Supplemental Table S2. List of identified DMRs between CTCs and tumor tissues

| chr  | start | end   | qvalue    | direction (CTCs compared to tumor) |
|------|-------|-------|-----------|-----------------------------------|
| chr1 | 1100001 | 1105000 | 3.80E-07  | hyper                             |
| chr1 | 1102001 | 1107000 | 3.78E-07  |                                   |
| chr1 | 1103001 | 1108000 | 2.38E-07  |                                   |
| chr1 | 1408001 | 1413000 | 2.42E-19  |                                   |
| chr1 | 1545001 | 1550000 | 3.88E-09  |                                   |
| chr1 | 1593001 | 1598000 | 3.94E-14  |                                   |
| chr1 | 1594001 | 1599000 | 1.13E-13  |                                   |
| chr1 | 1659001 | 1664000 | 2.34E-06  |                                   |
| chr1 | 1660001 | 1665000 | 3.50E-07  |                                   |
| chr1 | 1830001 | 1835000 | 1.56E-06  |                                   |
| chr1 | 2118001 | 2123000 | 7.23E-29  |                                   |
| chr1 | 2119001 | 2124000 | 4.67E-33  |                                   |
| chr1 | 2120001 | 2125000 | 6.84E-24  |                                   |
| chr1 | 2121001 | 2126000 | 3.48E-23  |                                   |
| chr1 | 2130001 | 2135000 | 1.67E-06  |                                   |
| chr1 | 2162001 | 2167000 | 9.79E-15  |                                   |
| chr1 | 2281001 | 2286000 | 5.23E-10  |                                   |
| chr1 | 2423001 | 2428000 | 6.55E-24  |                                   |
| chr1 | 2424001 | 2429000 | 4.18E-14  |                                   |
| chr1 | 2425001 | 2430000 | 1.33E-14  |                                   |
| chr1 | 2426001 | 2431000 | 1.40E-13  |                                   |
| chr1 | 2427001 | 2432000 | 3.27E-11  |                                   |
| chr1 | 2463001 | 2468000 | 7.74E-16  |                                   |
| chr1 | 2466001 | 2471000 | 5.98E-13  |                                   |
| chr1 | 3153001 | 3158000 | 1.48E-06  |                                   |
| chr1 | 3154001 | 3159000 | 1.23E-08  |                                   |
| chr1 | 3155001 | 3160000 | 1.36E-07  |                                   |
| chr1 | 3373001 | 3378000 | 6.67E-15  |                                   |
| chr1 | 3374001 | 3379000 | 1.87E-16  |                                   |
| chr1 | 3375001 | 3380000 | 1.62E-19  |                                   |
| chr1 | 3634001 | 3639000 | 1.85E-19  |                                   |
| chr1 | 4218001 | 4223000 | 1.15E-08  |                                   |
| chr1 | 4219001 | 4224000 | 4.60E-08  |                                   |
| chr1 | 4603001 | 4608000 | 1.46E-08  |                                   |
| chr1 | 4914001 | 4919000 | 0.001312821 |                               |
| chr1 | 4915001 | 4920000 | 0.001806456 |                              |
| chr1 | 4942001 | 4947000 | 0.002133645 |                              |
| chr1 | 4943001 | 4948000 | 0.004437546 |                              |
| chr1 | 5051001 | 5056000 | 2.14E-06  |                                   |
| chr1 | 5090001 | 5095000 | 0.000146076 |                               |
| chr1 | 5091001 | 5096000 | 9.64E-06  |                                   |
| chr1 | 5599001 | 5604000 | 0.000939892 |                               |
| chr1 | 5600001 | 5605000 | 2.50E-05  |                                   |
| chr1 | 5603001 | 5608000 | 0.008386639 |                               |
| chr1 | 6053001 | 6058000 | 2.31E-09  |                                   |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr1       | 6109001 | 6114000 | 2.04E-15  |
| chr1       | 6111001 | 6116000 | 6.25E-24  |
| chr1       | 6125001 | 6130000 | 1.26E-10  |
| chr1       | 6152001 | 6157000 | 6.84E-11  |
| chr1       | 6153001 | 6158000 | 6.25E-11  |
| chr1       | 6183001 | 6188000 | 1.64E-06  |
| chr1       | 6184001 | 6189000 | 2.37E-08  |
| chr1       | 6185001 | 6190000 | 6.01E-05  |
| chr1       | 6226001 | 6231000 | 9.99E-13  |
| chr1       | 6552001 | 6557000 | 3.18E-05  |
| chr1       | 6789001 | 6794000 | 2.25E-09  |
| chr1       | 6790001 | 6795000 | 1.02E-10  |
| chr1       | 7131001 | 7136000 | 9.85E-13  |
| chr1       | 7132001 | 7137000 | 1.08E-10  |
| chr1       | 7330001 | 7335000 | 4.88E-05  |
| chr1       | 7331001 | 7336000 | 2.57E-05  |
| chr1       | 7332001 | 7337000 | 1.93E-05  |
| chr1       | 7333001 | 7338000 | 2.89E-05  |
| chr1       | 7640001 | 7645000 | 2.70E-06  |
| chr1       | 7658001 | 7663000 | 1.12E-07  |
| chr1       | 7659001 | 7664000 | 4.20E-12  |
| chr1       | 7954001 | 7959000 | 5.09E-08  |
| chr1       | 7955001 | 7960000 | 0.000462185 |
| chr1       | 8073001 | 8078000 | 3.44E-09  |
| chr1       | 8128001 | 8133000 | 1.91E-10  |
| chr1       | 8129001 | 8134000 | 3.33E-10  |
| chr1       | 8130001 | 8135000 | 5.75E-10  |
| chr1       | 8134001 | 8139000 | 2.58E-06  |
| chr1       | 8156001 | 8161000 | 7.45E-07  |
| chr1       | 8157001 | 8162000 | 1.54E-08  |
| chr1       | 8978001 | 8983000 | 1.11E-09  |
| chr1       | 9127001 | 9132000 | 1.46E-06  |
| chr1       | 9128001 | 9133000 | 5.73E-06  |
| chr1       | 9190001 | 9195000 | 1.45E-09  |
| chr1       | 9347001 | 9352000 | 3.42E-09  |
| chr1       | 9774001 | 9779000 | 8.32E-08  |
| chr1       | 9775001 | 9780000 | 0.000137813 |
| chr1       | 9950001 | 9955000 | 9.27E-12  |
| chr1       | 9951001 | 9956000 | 3.22E-13  |
| chr1       | 10511001 | 10516000 | 2.47E-06  |
| chr1       | 10512001 | 10517000 | 2.56E-09  |
| chr1       | 10908001 | 10913000 | 2.39E-09  |
| chr1       | 11091001 | 11096000 | 4.78E-09  |
| chr1       | 11092001 | 11097000 | 5.47E-09  |
| chr1       | 11093001 | 11098000 | 2.64E-17  |
| chr1       | 11110001 | 11115000 | 9.51E-09  |
| chr1       | 11111001 | 11116000 | 4.41E-11  |
| chr1       | 11112001 | 11117000 | 4.18E-11  |
| chr1 | 11571001 | 11576000 | 0.000144679 |
| chr1 | 11617001 | 11622000 | 4.62E-09    |
| chr1 | 11939001 | 11944000 | 4.42E-05    |
| chr1 | 12050001 | 12055000 | 1.40E-08    |
| chr1 | 12128001 | 12133000 | 0.000143648 |
| chr1 | 14362001 | 14367000 | 8.00E-07    |
| chr1 | 15781001 | 15786000 | 7.15E-05    |
| chr1 | 15782001 | 15787000 | 1.59E-05    |
| chr1 | 15783001 | 15788000 | 0.00023715  |
| chr1 | 15825001 | 15830000 | 8.65E-06    |
| chr1 | 16447001 | 16452000 | 2.85E-10    |
| chr1 | 17419001 | 17424000 | 0.009039462 |
| chr1 | 17463001 | 17468000 | 9.87E-06    |
| chr1 | 17483001 | 17488000 | 0.00133872  |
| chr1 | 17547001 | 17552000 | 5.33E-08    |
| chr1 | 17586001 | 17591000 | 0.000592655 |
| chr1 | 17767001 | 17772000 | 2.67E-17    |
| chr1 | 17768001 | 17773000 | 1.12E-13    |
| chr1 | 19026001 | 19031000 | 1.05E-15    |
| chr1 | 19357001 | 19362000 | 3.66E-14    |
| chr1 | 19979001 | 19984000 | 0.000278261 |
| chr1 | 20001001 | 20006000 | 1.02E-10    |
| chr1 | 20312001 | 20317000 | 5.49E-11    |
| chr1 | 20856001 | 20861000 | 1.29E-10    |
| chr1 | 20919001 | 20924000 | 4.56E-06    |
| chr1 | 21034001 | 21039000 | 1.71E-10    |
| chr1 | 21048001 | 21053000 | 0.000254598 |
| chr1 | 21049001 | 21054000 | 0.000879856 |
| chr1 | 21050001 | 21055000 | 0.001152812 |
| chr1 | 21348001 | 21353000 | 5.50E-14    |
| chr1 | 21349001 | 21354000 | 7.54E-11    |
| chr1 | 21508001 | 21513000 | 2.55E-10    |
| chr1 | 21840001 | 21845000 | 6.24E-09    |
| chr1 | 21843001 | 21848000 | 7.18E-14    |
| chr1 | 21900001 | 21905000 | 5.02E-06    |
| chr1 | 21961001 | 21966000 | 6.01E-05    |
| chr1 | 22313001 | 22318000 | 1.58E-09    |
| chr1 | 22314001 | 22319000 | 8.26E-09    |
| chr1 | 22315001 | 22320000 | 0.000153858 |
| chr1 | 22397001 | 22402000 | 1.08E-05    |
| chr1 | 22398001 | 22403000 | 6.35E-14    |
| chr1 | 22399001 | 22404000 | 1.31E-08    |
| chr1 | 22400001 | 22405000 | 4.39E-11    |
| chr1 | 22401001 | 22406000 | 1.72E-06    |
| chr1 | 22402001 | 22407000 | 4.89E-07    |
| chr1 | 22403001 | 22408000 | 2.87E-05    |
| chr1 | 22404001 | 22409000 | 8.15E-06    |
| chr1 | 22630001 | 22635000 | 5.18E-06    |
| Chr  | Start   | End     | Score  |
|------|---------|---------|--------|
| chr1 | 22631001| 22636000| 1.19E-06 |
| chr1 | 22737001| 22742000| 8.10E-11 |
| chr1 | 22738001| 22743000| 4.00E-09 |
| chr1 | 22760001| 22765000| 3.94E-06 |
| chr1 | 23244001| 23249000| 6.43E-11 |
| chr1 | 23245001| 23250000| 1.75E-08 |
| chr1 | 23249001| 23254000| 4.65E-13 |
| chr1 | 23250001| 23255000| 7.75E-13 |
| chr1 | 23251001| 23256000| 8.23E-10 |
| chr1 | 23293001| 23298000| 4.84E-05 |
| chr1 | 23886001| 23891000| 9.15E-06 |
| chr1 | 24212001| 24217000| 0.00011282 |
| chr1 | 24396001| 24401000| 5.74E-13 |
| chr1 | 24397001| 24402000| 2.07E-19 |
| chr1 | 24467001| 24472000| 9.53E-07 |
| chr1 | 24917001| 24922000| 4.28E-06 |
| chr1 | 25093001| 25098000| 2.64E-06 |
| chr1 | 25094001| 25099000| 1.08E-05 |
| chr1 | 25095001| 25100000| 3.54E-07 |
| chr1 | 25911001| 25916000| 2.26E-10 |
| chr1 | 25912001| 25917000| 2.29E-06 |
| chr1 | 25918001| 25923000| 3.52E-16 |
| chr1 | 25919001| 25924000| 3.21E-14 |
| chr1 | 26354001| 26359000| 4.68E-05 |
| chr1 | 26355001| 26360000| 5.06E-06 |
| chr1 | 26512001| 26517000| 7.52E-05 |
| chr1 | 26540001| 26545000| 0.001811708 |
| chr1 | 26709001| 26714000| 3.25E-07 |
| chr1 | 26716001| 26721000| 1.88E-05 |
| chr1 | 26717001| 26722000| 2.52E-05 |
| chr1 | 26731001| 26736000| 7.36E-12 |
| chr1 | 26732001| 26737000| 4.35E-17 |
| chr1 | 26920001| 26925000| 2.55E-10 |
| chr1 | 26921001| 26926000| 2.64E-07 |
| chr1 | 26922001| 26927000| 9.14E-07 |
| chr1 | 27029001| 27034000| 1.44E-06 |
| chr1 | 27356001| 27361000| 5.09E-10 |
| chr1 | 27407001| 27412000| 4.30E-08 |
| chr1 | 27409001| 27414000| 5.68E-08 |
| chr1 | 27410001| 27415000| 2.75E-09 |
| chr1 | 27670001| 27675000| 1.08E-05 |
| chr1 | 27761001| 27766000| 7.21E-06 |
| chr1 | 27762001| 27767000| 0.009246511 |
| chr1 | 28765001| 28770000| 7.02E-05 |
| Chromosome | Start Position | End Position | P-value |
|------------|---------------|-------------|---------|
| chr1        | 28834001      | 28839000    | 3.78E-06 |
| chr1        | 29078001      | 29083000    | 9.86E-05 |
| chr1        | 29149001      | 29154000    | 5.78E-06 |
| chr1        | 29252001      | 29257000    | 6.55E-09 |
| chr1        | 29501001      | 29506000    | 3.31E-06 |
| chr1        | 29502001      | 29507000    | 3.12E-14 |
| chr1        | 29595001      | 29600000    | 0.000514033 |
| chr1        | 29774001      | 29779000    | 1.56E-05 |
| chr1        | 30183001      | 30188000    | 0.000125812 |
| chr1        | 30224001      | 30229000    | 5.98E-11 |
| chr1        | 30225001      | 30230000    | 3.96E-10 |
| chr1        | 30226001      | 30231000    | 2.26E-06 |
| chr1        | 30227001      | 30232000    | 1.74E-06 |
| chr1        | 30228001      | 30233000    | 2.35E-05 |
| chr1        | 30402001      | 30407000    | 4.28E-08 |
| chr1        | 30527001      | 30532000    | 1.65E-10 |
| chr1        | 30528001      | 30533000    | 4.03E-12 |
| chr1        | 30529001      | 30534000    | 4.80E-12 |
| chr1        | 30548001      | 30553000    | 4.38E-07 |
| chr1        | 30904001      | 30909000    | 0.000980037 |
| chr1        | 31584001      | 31589000    | 7.14E-07 |
| chr1        | 31585001      | 31590000    | 6.04E-05 |
| chr1        | 31586001      | 31591000    | 0.000301748 |
| chr1        | 31644001      | 31649000    | 4.65E-24 |
| chr1        | 31645001      | 31650000    | 1.69E-27 |
| chr1        | 31898001      | 31903000    | 3.04E-06 |
| chr1        | 31899001      | 31904000    | 1.62E-09 |
| chr1        | 32089001      | 32094000    | 1.67E-11 |
| chr1        | 32090001      | 32095000    | 5.22E-09 |
| chr1        | 32450001      | 32455000    | 5.92E-10 |
| chr1        | 32677001      | 32682000    | 0.000149415 |
| chr1        | 32726001      | 32731000    | 3.88E-06 |
| chr1        | 32730001      | 32735000    | 1.89E-08 |
| chr1        | 32731001      | 32736000    | 7.24E-06 |
| chr1        | 32910001      | 32915000    | 6.93E-17 |
| chr1        | 32912001      | 32917000    | 2.03E-18 |
| chr1        | 32913001      | 32918000    | 7.25E-24 |
| chr1        | 33143001      | 33148000    | 1.16E-06 |
| chr1        | 33144001      | 33149000    | 4.52E-06 |
| chr1        | 33182001      | 33187000    | 0.000377829 |
| chr1        | 33224001      | 33229000    | 0.000162083 |
| chr1        | 33234001      | 33239000    | 9.82E-09 |
| chr1        | 33353001      | 33358000    | 0.000630333 |
| chr1        | 33439001      | 33444000    | 9.58E-18 |
| chr1        | 33440001      | 33445000    | 4.85E-12 |
| chr1        | 33771001      | 33776000    | 1.41E-27 |
| chr1        | 33772001      | 33777000    | 1.01E-39 |
| Chromosome | Start | End   | P-value    |
|------------|-------|-------|------------|
| chr1       | 34095001 | 34100000 | 3.77E-19  |
| chr1       | 35057001 | 35062000 | 2.53E-05  |
| chr1       | 35514001 | 35519000 | 0.000139019 |
| chr1       | 36108001 | 36113000 | 1.02E-11  |
| chr1       | 36555001 | 36560000 | 4.69E-15  |
| chr1       | 37035001 | 37040000 | 2.37E-05  |
| chr1       | 37358001 | 37363000 | 0.008659637 |
| chr1       | 38418001 | 38423000 | 0.000933047 |
| chr1       | 38419001 | 38424000 | 0.00014269 |
| chr1       | 39655001 | 39660000 | 9.03E-06  |
| chr1       | 39660001 | 39665000 | 2.50E-09  |
| chr1       | 40072001 | 40077000 | 0.000223225 |
| chr1       | 40618001 | 40623000 | 0.000111128 |
| chr1       | 41175001 | 41180000 | 1.12E-06  |
| chr1       | 41176001 | 41181000 | 2.41E-07  |
| chr1       | 42235001 | 42240000 | 5.79E-07  |
| chr1       | 43364001 | 43369000 | 9.19E-11  |
| chr1       | 43365001 | 43370000 | 4.46E-11  |
| chr1       | 43366001 | 43371000 | 1.25E-06  |
| chr1       | 43378001 | 43383000 | 1.56E-10  |
| chr1       | 44014001 | 44019000 | 1.06E-12  |
| chr1       | 44015001 | 44020000 | 2.12E-14  |
| chr1       | 44016001 | 44021000 | 2.83E-14  |
| chr1       | 44227001 | 44232000 | 6.04E-10  |
| chr1       | 44304001 | 44309000 | 5.25E-09  |
| chr1       | 44788001 | 44793000 | 1.60E-09  |
| chr1       | 44988001 | 44993000 | 7.85E-16  |
| chr1       | 44989001 | 44994000 | 6.60E-15  |
| chr1       | 45182001 | 45187000 | 2.92E-07  |
| chr1       | 45183001 | 45188000 | 2.17E-12  |
| chr1       | 45186001 | 45191000 | 2.06E-10  |
| chr1       | 45187001 | 45192000 | 2.11E-08  |
| chr1       | 45634001 | 45639000 | 7.64E-06  |
| chr1       | 45635001 | 45640000 | 2.57E-06  |
| chr1       | 46330001 | 46335000 | 0.002903351 |
| chr1       | 47554001 | 47559000 | 0.000360841 |
| chr1       | 47555001 | 47560000 | 0.001094085 |
| chr1       | 48244001 | 48249000 | 9.00E-08  |
| chr1       | 48996001 | 49001000 | 0.000540493 |
| chr1       | 48997001 | 49002000 | 7.74E-05  |
| chr1       | 49492001 | 49497000 | 1.16E-05  |
| chr1       | 49509001 | 49514000 | 0.010825259 |
| chr1       | 49648001 | 49653000 | 0.00015732 |
| chr1       | 49649001 | 49654000 | 5.03E-07  |
| chr1       | 49650001 | 49655000 | 4.69E-05  |
| chr1       | 49651001 | 49656000 | 4.91E-05  |
| chr1       | 49652001 | 49657000 | 0.000378201 |
| chr1       | 50259001 | 50264000 | 9.20E-11  |
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|---------------|
| chr1       | 50260001 | 50265000 | 1.37E-09     |
| chr1       | 50499001 | 50504000 | 9.46E-06     |
| chr1       | 50500001 | 50505000 | 4.85E-06     |
| chr1       | 50774001 | 50779000 | 6.74E-05     |
| chr1       | 51068001 | 51073000 | 1.42E-07     |
| chr1       | 51069001 | 51074000 | 1.54E-07     |
| chr1       | 51494001 | 51499000 | 3.49E-08     |
| chr1       | 51495001 | 51500000 | 1.14E-09     |
| chr1       | 51496001 | 51501000 | 9.11E-09     |
| chr1       | 51602001 | 51607000 | 0.000153948  |
| chr1       | 51646001 | 51651000 | 4.34E-05     |
| chr1       | 53407001 | 53412000 | 2.12E-08     |
| chr1       | 53477001 | 53482000 | 8.22E-12     |
| chr1       | 53478001 | 53483000 | 5.04E-10     |
| chr1       | 53479001 | 53484000 | 2.09E-08     |
| chr1       | 53480001 | 53485000 | 0.000816868  |
| chr1       | 53885001 | 53890000 | 0.007682481  |
| chr1       | 54464001 | 54469000 | 1.94E-06     |
| chr1       | 55031001 | 55036000 | 4.70E-09     |
| chr1       | 55032001 | 55037000 | 1.02E-07     |
| chr1       | 55057001 | 55062000 | 0.002976716  |
| chr1       | 55058001 | 55063000 | 0.003304412  |
| chr1       | 55131001 | 55136000 | 0.006170262  |
| chr1       | 55321001 | 55326000 | 5.94E-07     |
| chr1       | 55322001 | 55327000 | 1.57E-08     |
| chr1       | 55354001 | 55359000 | 0.000484612  |
| chr1       | 55423001 | 55428000 | 0.000724243  |
| chr1       | 55900001 | 55905000 | 0.000206523  |
| chr1       | 56042001 | 56047000 | 1.46E-07     |
| chr1       | 56202001 | 56207000 | 3.85E-05     |
| chr1       | 56302001 | 56307000 | 5.11E-05     |
| chr1       | 57098001 | 57099000 | 0.000429629  |
| chr1       | 57099001 | 57095000 | 0.000230568  |
| chr1       | 57091001 | 57096000 | 0.000448212  |
| chr1       | 58057001 | 58062000 | 0.000420716  |
| chr1       | 58413001 | 58418000 | 0.004881222  |
| chr1       | 58449001 | 58454000 | 7.63E-10     |
| chr1       | 58450001 | 58455000 | 7.53E-09     |
| chr1       | 58451001 | 58456000 | 1.09E-06     |
| chr1       | 58598001 | 58603000 | 0.000130256  |
| chr1       | 58675001 | 58680000 | 8.55E-06     |
| chr1       | 58678001 | 58683000 | 0.000883602  |
| chr1       | 59049001 | 59054000 | 8.25E-06     |
| chr1       | 59051001 | 59056000 | 5.26E-08     |
| chr1       | 59271001 | 59276000 | 4.26E-14     |
| chr1       | 59272001 | 59277000 | 5.19E-10     |
| chr1       | 59274001 | 59279000 | 1.70E-09     |
| chr1       | 59588001 | 59593000 | 2.59E-05     |
| Chr | Start | End  | Value   |
|-----|-------|------|---------|
| chr1| 68026001 | 68031000 | 1.78E-10 |
| chr1| 68027001 | 68032000 | 2.64E-09 |
| chr1| 68080001 | 68085000 | 5.23E-07 |
| chr1| 68186001 | 68191000 | 5.12E-06 |
| chr1| 68355001 | 68360000 | 0.000204602 |
| chr1| 68476001 | 68481000 | 0.00045323 |
| chr1| 68632001 | 68637000 | 7.1E-06 |
| chr1| 68670001 | 68675000 | 7.92E-05 |
| chr1| 68793001 | 68798000 | 0.000328468 |
| chr1| 68969001 | 68974000 | 2.24E-08 |
| chr1| 69069001 | 69074000 | 2.59E-08 |
| chr1| 69216001 | 69221000 | 7.84E-05 |
| chr1| 69321001 | 69326000 | 0.0001471 |
| chr1| 69440001 | 69445000 | 3.46E-05 |
| chr1| 69540001 | 69545000 | 1.79E-09 |
| chr1| 69541001 | 69546000 | 8.38E-11 |
| chr1| 69680001 | 69685000 | 0.000226739 |
| chr1| 69739001 | 69744000 | 0.001002523 |
| chr1| 69740001 | 69745000 | 0.002516105 |
| chr1| 69890001 | 69895000 | 0.001307932 |
| chr1| 69901001 | 69906000 | 0.00960655 |
| chr1| 69915001 | 69920000 | 0.000438178 |
| chr1| 69916001 | 69921000 | 0.000114163 |
| chr1| 69917001 | 69922000 | 0.000741399 |
| chr1 | 69939001 | 69944000 | 3.48E-05 |
|------|----------|----------|----------|
| chr1 | 69940001 | 69945000 | 3.50E-05 |
| chr1 | 69947001 | 69952000 | 0.001776304 |
| chr1 | 69960001 | 69965000 | 0.001547264 |
| chr1 | 70084001 | 70089000 | 2.13E-05 |
| chr1 | 70154001 | 70159000 | 0.000585835 |
| chr1 | 70191001 | 70196000 | 8.06E-06 |
| chr1 | 70192001 | 70197000 | 4.66E-05 |
| chr1 | 70328001 | 70333000 | 2.28E-09 |
| chr1 | 70329001 | 70334000 | 3.98E-15 |
| chr1 | 70330001 | 70335000 | 4.90E-13 |
| chr1 | 70927001 | 70932000 | 1.48E-05 |
| chr1 | 70928001 | 70933000 | 1.25E-05 |
| chr1 | 71132001 | 71137000 | 7.39E-06 |
| chr1 | 71173001 | 71178000 | 0.000201281 |
| chr1 | 71265001 | 71270000 | 0.014768481 |
| chr1 | 71353001 | 71358000 | 1.54E-07 |
| chr1 | 71388001 | 71393000 | 0.004784377 |
| chr1 | 71389001 | 71394000 | 0.001320669 |
| chr1 | 71405001 | 71410000 | 9.98E-06 |
| chr1 | 71467001 | 71472000 | 1.99E-05 |
| chr1 | 71468001 | 71473000 | 5.87E-06 |
| chr1 | 71469001 | 71474000 | 8.31E-06 |
| chr1 | 71470001 | 71475000 | 1.90E-05 |
| chr1 | 71471001 | 71476000 | 4.20E-05 |
| chr1 | 71808001 | 71813000 | 0.000441972 |
| chr1 | 71840001 | 71845000 | 0.001083215 |
| chr1 | 72062001 | 72067000 | 7.60E-07 |
| chr1 | 72063001 | 72068000 | 2.49E-06 |
| chr1 | 72156001 | 72161000 | 1.24E-05 |
| chr1 | 72348001 | 72353000 | 0.000303775 |
| chr1 | 72906001 | 72911000 | 1.64E-05 |
| chr1 | 73050001 | 73055000 | 0.000816407 |
| chr1 | 73051001 | 73056000 | 0.000897053 |
| chr1 | 73052001 | 73057000 | 0.000781496 |
| chr1 | 73053001 | 73058000 | 0.000650678 |
| chr1 | 73105001 | 73110000 | 3.14E-05 |
| chr1 | 73193001 | 73198000 | 6.52E-06 |
| chr1 | 73194001 | 73199000 | 1.30E-05 |
| chr1 | 73461001 | 73466000 | 0.000247687 |
| chr1 | 73462001 | 73467000 | 0.00043024 |
| chr1 | 73748001 | 73753000 | 0.000283753 |
| chr1 | 73749001 | 73754000 | 0.000283753 |
| chr1 | 74301001 | 74306000 | 1.94E-10 |
| chr1 | 74319001 | 74324000 | 0.021474838 |
| chr1 | 74320001 | 74325000 | 0.000124124 |
| chr1 | 74321001 | 74326000 | 0.000259585 |
| chr1 | 74979001 | 74984000 | 0.000734538 |
| chr1 | 75129001 | 75134000 | 0.002073476 |
|------|----------|----------|--------------|
| chr1 | 75130001 | 75135000 | 0.000786563 |
| chr1 | 75131001 | 75136000 | 0.006255689 |
| chr1 | 75132001 | 75137000 | 0.002698764 |
| chr1 | 75133001 | 75138000 | 0.009771182 |
| chr1 | 75134001 | 75139000 | 0.002526268 |
| chr1 | 75489001 | 75494000 | 0.000893575 |
| chr1 | 75491001 | 75496000 | 8.21E-05 |
| chr1 | 75492001 | 75497000 | 0.000160463 |
| chr1 | 75493001 | 75498000 | 2.93E-05 |
| chr1 | 75628001 | 75633000 | 0.000995786 |
| chr1 | 75630001 | 75635000 | 0.000477333 |
| chr1 | 75712001 | 75717000 | 4.32E-05 |
| chr1 | 75713001 | 75718000 | 9.77E-06 |
| chr1 | 75714001 | 75719000 | 5.96E-05 |
| chr1 | 75715001 | 75720000 | 4.74E-05 |
| chr1 | 75902001 | 75907000 | 0.007347303 |
| chr1 | 76334001 | 76339000 | 0.018595245 |
| chr1 | 76581001 | 76586000 | 2.05E-09 |
| chr1 | 76582001 | 76587000 | 2.09E-10 |
| chr1 | 76703001 | 76708000 | 0.001200054 |
| chr1 | 76720001 | 76725000 | 0.000343477 |
| chr1 | 76721001 | 76726000 | 0.002010599 |
| chr1 | 76823001 | 76828000 | 3.59E-05 |
| chr1 | 76912001 | 76917000 | 0.000182736 |
| chr1 | 77106001 | 77111000 | 9.56E-05 |
| chr1 | 77107001 | 77112000 | 0.000163988 |
| chr1 | 77108001 | 77113000 | 0.000306725 |
| chr1 | 77140001 | 77145000 | 7.72E-05 |
| chr1 | 77250001 | 77255000 | 6.70E-06 |
| chr1 | 77251001 | 77256000 | 7.71E-05 |
| chr1 | 77410001 | 77415000 | 0.0012726 |
| chr1 | 77411001 | 77416000 | 2.53E-05 |
| chr1 | 77412001 | 77417000 | 2.01E-05 |
| chr1 | 77413001 | 77418000 | 2.15E-06 |
| chr1 | 77427001 | 77432000 | 1.62E-05 |
| chr1 | 77702001 | 77707000 | 9.64E-06 |
| chr1 | 77703001 | 77708000 | 3.54E-06 |
| chr1 | 77704001 | 77709000 | 2.74E-05 |
| chr1 | 77705001 | 77710000 | 5.88E-05 |
| chr1 | 77749001 | 77754000 | 0.000277631 |
| chr1 | 77750001 | 77755000 | 0.000595133 |
| chr1 | 77771001 | 77776000 | 5.92E-09 |
| chr1 | 77772001 | 77777000 | 2.01E-07 |
| chr1 | 77854001 | 77859000 | 1.09E-06 |
| chr1 | 77884001 | 77889000 | 0.001106805 |
| chr1 | 77937001 | 77942000 | 0.000456229 |
| Chromosome | Start (basepairs) | End (basepairs) | P-value |
|------------|------------------|----------------|---------|
| chr1       | 77939001         | 77944000       | 0.001396871 |
| chr1       | 78469001         | 78474000       | 2.09E-06    |
| chr1       | 78470001         | 78475000       | 6.16E-06    |
| chr1       | 78814001         | 78819000       | 1.73E-05    |
| chr1       | 79140001         | 79145000       | 1.16E-09    |
| chr1       | 79141001         | 79146000       | 9.37E-06    |
| chr1       | 79142001         | 79147000       | 5.13E-06    |
| chr1       | 79144001         | 79149000       | 0.001741124 |
| chr1       | 79204001         | 79209000       | 0.000566006 |
| chr1       | 79205001         | 79210000       | 0.001188062 |
| chr1       | 79224001         | 79229000       | 2.04E-05    |
| chr1       | 79225001         | 79230000       | 8.57E-05    |
| chr1       | 79226001         | 79231000       | 9.46E-05    |
| chr1       | 79227001         | 79232000       | 0.000137963 |
| chr1       | 79350001         | 79355000       | 0.008144686 |
| chr1       | 79506001         | 79511000       | 0.000956734 |
| chr1       | 79573001         | 79578000       | 3.14E-07    |
| chr1       | 79664001         | 79669000       | 8.33E-08    |
| chr1       | 79693001         | 79698000       | 1.06E-05    |
| chr1       | 79694001         | 79699000       | 2.83E-05    |
| chr1       | 79868001         | 79873000       | 0.002658279 |
| chr1       | 79897001         | 79902000       | 5.87E-09    |
| chr1       | 80096001         | 80101000       | 0.005371778 |
| chr1       | 80097001         | 80102000       | 8.80E-05    |
| chr1       | 80098001         | 80103000       | 1.68E-05    |
| chr1       | 80099001         | 80104000       | 1.25E-05    |
| chr1       | 80731001         | 80736000       | 0.000166081 |
| chr1       | 80732001         | 80737000       | 3.86E-05    |
| chr1       | 80733001         | 80738000       | 5.85E-05    |
| chr1       | 80735001         | 80740000       | 0.000659294 |
| chr1       | 80856001         | 80861000       | 0.005411731 |
| chr1       | 80891001         | 80896000       | 0.000609982 |
| chr1       | 80981001         | 80986000       | 0.026922348 |
| chr1       | 81077001         | 81082000       | 4.07E-05    |
| chr1       | 81147001         | 81152000       | 0.008822146 |
| chr1       | 81148001         | 81153000       | 0.011029462 |
| chr1       | 81182001         | 81187000       | 0.000129565 |
| chr1       | 81354001         | 81359000       | 5.23E-05    |
| chr1       | 81355001         | 81360000       | 1.92E-05    |
| chr1       | 81356001         | 81361000       | 1.33E-06    |
| chr1       | 82144001         | 82149000       | 1.96E-06    |
| chr1       | 84335001         | 84340000       | 0.000985718 |
| chr1       | 84336001         | 84341000       | 0.000835576 |
| chr1       | 84429001         | 84434000       | 0.001431142 |
| chr1       | 84484001         | 84489000       | 0.006898028 |
| chr1       | 84497001         | 84502000       | 0.003391716 |
| chr1       | 85063001         | 85068000       | 6.33E-06    |
| chr1       | 85598001         | 85603000       | 0.000320357 |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr1       | 85871001       | 85876000     | 0.00023747 |
| chr1       | 85872001       | 85877000     | 6.41E-07  |
| chr1       | 85873001       | 85878000     | 1.09E-06  |
| chr1       | 86119001       | 86124000     | 0.000276432 |
| chr1       | 86260001       | 86265000     | 9.57E-05  |
| chr1       | 86301001       | 86306000     | 4.05E-07  |
| chr1       | 86302001       | 86307000     | 7.46E-06  |
| chr1       | 86363001       | 86368000     | 0.016018291 |
| chr1       | 86553001       | 86558000     | 8.68E-07  |
| chr1       | 86554001       | 86559000     | 1.25E-05  |
| chr1       | 86650001       | 86655000     | 1.39E-06  |
| chr1       | 86651001       | 86656000     | 3.19E-08  |
| chr1       | 86652001       | 86657000     | 1.83E-07  |
| chr1       | 86653001       | 86658000     | 1.83E-07  |
| chr1       | 86654001       | 86659000     | 2.62E-05  |
| chr1       | 86702001       | 86707000     | 2.09E-07  |
| chr1       | 86746001       | 86751000     | 0.001607001 |
| chr1       | 86925001       | 86930000     | 0.001143021 |
| chr1       | 87216001       | 87221000     | 5.86E-05  |
| chr1       | 87568001       | 87573000     | 0.002327563 |
| chr1       | 87569001       | 87574000     | 0.003426209 |
| chr1       | 87570001       | 87575000     | 0.000232927 |
| chr1       | 88065001       | 88070000     | 4.80E-08  |
| chr1       | 89590001       | 89595000     | 3.95E-18  |
| chr1       | 89591001       | 89596000     | 4.97E-16  |
| chr1       | 90017001       | 90022000     | 0.001680717 |
| chr1       | 90724001       | 90729000     | 7.34E-06  |
| chr1       | 90725001       | 90730000     | 4.26E-05  |
| chr1       | 90726001       | 90731000     | 3.42E-06  |
| chr1       | 91002001       | 91007000     | 8.34E-07  |
| chr1       | 91705001       | 91710000     | 0.007657857 |
| chr1       | 92320001       | 92325000     | 0.006580464 |
| chr1       | 92410001       | 92415000     | 3.51E-12  |
| chr1       | 92411001       | 92416000     | 7.35E-12  |
| chr1       | 92487001       | 92492000     | 1.97E-09  |
| chr1       | 92500001       | 92505000     | 7.36E-06  |
| chr1       | 93322001       | 93327000     | 2.83E-07  |
| chr1       | 93769001       | 93774000     | 3.33E-05  |
| chr1       | 95510001       | 95515000     | 0.000138373 |
| chr1       | 95739001       | 95744000     | 0.000265064 |
| chr1       | 95865001       | 95870000     | 4.78E-07  |
| chr1       | 95941001       | 95946000     | 0.000941732 |
| chr1       | 95957001       | 95962000     | 1.09E-05  |
| chr1       | 95987001       | 95992000     | 0.000335697 |
| chr1       | 95988001       | 95993000     | 0.000203488 |
| chr1       | 95989001       | 95994000     | 0.000324978 |
| chr1       | 95991001       | 95996000     | 5.60E-05  |
| chr1       | 96311001       | 96316000     | 0.004931326 |
| chr  | start   | end     | p-value        |
|------|---------|---------|----------------|
| chr1 | 96433001| 96438000| 0.000477521    |
| chr1 | 96434001| 96439000| 0.000478152    |
| chr1 | 96495001| 96500000| 5.25E-06       |
| chr1 | 96589001| 96594000| 0.005119219    |
| chr1 | 96627001| 96632000| 9.19E-07       |
| chr1 | 96923001| 96928000| 0.000697299    |
| chr1 | 96924001| 96929000| 0.000333469    |
| chr1 | 96960001| 96965000| 0.00108042     |
| chr1 | 96961001| 96966000| 0.001297803    |
| chr1 | 97397001| 97402000| 5.25E-06       |
| chr1 | 97398001| 97403000| 0.001139184    |
| chr1 | 97399001| 97404000| 0.001139184    |
| chr1 | 97400001| 97405000| 1.94E-05       |
| chr1 | 97717001| 97722000| 0.00134455     |
| chr1 | 98487001| 98492000| 0.002215174    |
| chr1 | 98551001| 98556000| 0.001808471    |
| chr1 | 98577001| 98582000| 4.52E-05       |
| chr1 | 98657001| 98662000| 0.000478297    |
| chr1 | 98670001| 98675000| 0.000292705    |
| chr1 | 98671001| 98676000| 0.000377382    |
| chr1 | 98672001| 98677000| 0.00055301     |
| chr1 | 98848001| 98853000| 0.000172493    |
| chr1 | 98849001| 98854000| 0.000154056    |
| chr1 | 98956001| 98961000| 0.000142184    |
| chr1 | 98957001| 98962000| 0.000139606    |
| chr1 | 98990001| 98995000| 0.001327517    |
| chr1 | 98991001| 98996000| 0.001914119    |
| chr1 | 98992001| 98997000| 0.002738978    |
| chr1 | 99029001| 99034000| 0.000134923    |
| chr1 | 99030001| 99035000| 0.000318757    |
| chr1 | 99031001| 99036000| 0.0002872437   |
| chr1 | 99032001| 99037000| 0.000334987    |
| chr1 | 99276001| 99281000| 0.0006092333   |
| chr1 | 99278001| 99283000| 0.000133552    |
| chr1 | 99279001| 99284000| 0.000157991    |
| chr1 | 99280001| 99285000| 0.000239395    |
| chr1 | 99393001| 99398000| 3.19E-09       |
| chr1 | 99445001| 99450000| 0.000333955    |
| chr1 | 99831001| 99836000| 0.000141758    |
| chr1 | 99891001| 99896000| 0.0005019951   |
| chr1 | 99933001| 99938000| 0.000102037    |
| chr1 | 99988001| 99993000| 0.00020271     |
| chr1 | 100232001| 100237000| 5.26E-08       |
| chr1 | 100790001| 100795000| 0.00040974     |
| chr1 | 101793001| 101798000| 2.97E-08       |
| chr1 | 101794001| 101799000| 1.35E-07       |
| chr1 | 102032001| 102037000| 0.000230243    |
| chr1 | 102034001| 102039000| 1.60E-05       |
| Chr | Start | End   | P-value       |
|-----|-------|-------|---------------|
| chr1| 102035001 | 102040000 | 2.99E-05     |
| chr1| 102159001 | 102164000 | 2.53E-05     |
| chr1| 102386001 | 102391000 | 0.001093905  |
| chr1| 102439001 | 102444000 | 0.022901097  |
| chr1| 102591001 | 102596000 | 1.03E-06     |
| chr1| 102628001 | 102633000 | 0.001887572  |
| chr1| 102631001 | 102636000 | 0.005843842  |
| chr1| 102632001 | 102637000 | 0.003121812  |
| chr1| 102668001 | 102673000 | 0.002971222  |
| chr1| 102706001 | 102711000 | 0.000112622  |
| chr1| 102753001 | 102758000 | 0.001998301  |
| chr1| 102754001 | 102759000 | 0.002647699  |
| chr1| 102859001 | 102864000 | 0.000223241  |
| chr1| 102959001 | 102964000 | 0.018037637  |
| chr1| 102999001 | 103004000 | 0.00818882   |
| chr1| 103000001 | 103005000 | 3.77E-05     |
| chr1| 103000001 | 103005000 | 4.33E-06     |
| chr1| 103142001 | 103147000 | 0.006924682  |
| chr1| 103276001 | 103281000 | 1.33E-05     |
| chr1| 103277001 | 103282000 | 4.57E-05     |
| chr1| 103655001 | 103660000 | 4.12E-09     |
| chr1| 103695001 | 104700000 | 1.97E-06     |
| chr1| 104811001 | 104816000 | 0.001047985  |
| chr1| 104812001 | 104817000 | 0.000440676  |
| chr1| 104832001 | 104837000 | 0.001414105  |
| chr1| 104834001 | 104839000 | 2.26E-05     |
| chr1| 104933001 | 104938000 | 1.34E-05     |
| chr1| 104934001 | 104939000 | 4.82E-05     |
| chr1| 104935001 | 104940000 | 0.000129488  |
| chr1| 105317001 | 105322000 | 5.63E-06     |
| chr1| 105318001 | 105323000 | 1.53E-05     |
| chr1| 105431001 | 105436000 | 1.11E-09     |
| chr1| 105444001 | 105449000 | 0.00155568   |
| chr1| 105445001 | 105450000 | 1.24E-07     |
| chr1| 105446001 | 105451000 | 2.75E-09     |
| chr1| 105455001 | 105460000 | 3.67E-07     |
| chr1| 105521001 | 105526000 | 0.000130007  |
| chr1| 105524001 | 105529000 | 0.000395403  |
| chr1| 105586001 | 105591000 | 0.000355001  |
| chr1| 105587001 | 105592000 | 0.000303365  |
| chr1| 105599001 | 105604000 | 1.46E-06     |
| chr1| 105600001 | 105605000 | 4.49E-06     |
| chr1| 105633001 | 105638000 | 0.00729145   |
| chr1| 105635001 | 105640000 | 1.16E-05     |
| chr1| 105684001 | 105689000 | 1.42E-05     |
| chr1| 105767001 | 105772000 | 0.002918356  |
| chr1| 105768001 | 105773000 | 0.004543049  |
| chr1| 105798001 | 105803000 | 8.14E-12     |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|-------------|---------|
| chr1       | 105863001      | 105868000   | 7.97E-10 |
| chr1       | 105864001      | 105869000   | 1.40E-09 |
| chr1       | 105865001      | 105870000   | 2.22E-07 |
| chr1       | 105867001      | 105872000   | 9.01E-08 |
| chr1       | 105976001      | 105981000   | 3.21E-06 |
| chr1       | 105978001      | 105983000   | 5.06E-06 |
| chr1       | 105979001      | 105984000   | 1.70E-06 |
| chr1       | 106097001      | 106102000   | 0.05225105 |
| chr1       | 106180001      | 106185000   | 3.98E-06 |
| chr1       | 106181001      | 106186000   | 1.51E-06 |
| chr1       | 106319001      | 106324000   | 6.23E-05 |
| chr1       | 106320001      | 106325000   | 0.000271661 |
| chr1       | 106321001      | 106326000   | 0.000686211 |
| chr1       | 106427001      | 106432000   | 4.37E-05 |
| chr1       | 106517001      | 106522000   | 2.51E-06 |
| chr1       | 106518001      | 106523000   | 6.10E-05 |
| chr1       | 106519001      | 106524000   | 0.00017086 |
| chr1       | 106549001      | 106554000   | 5.73E-06 |
| chr1       | 106550001      | 106555000   | 1.83E-05 |
| chr1       | 106551001      | 106556000   | 2.83E-07 |
| chr1       | 106552001      | 106557000   | 1.42E-06 |
| chr1       | 106575001      | 106580000   | 0.001839059 |
| chr1       | 106576001      | 106581000   | 0.019568444 |
| chr1       | 106579001      | 106584000   | 0.023400454 |
| chr1       | 106605001      | 106610000   | 0.023281814 |
| chr1       | 106608001      | 106613000   | 0.006097305 |
| chr1       | 106731001      | 106736000   | 7.21E-06 |
| chr1       | 106732001      | 106737000   | 1.92E-05 |
| chr1       | 106750001      | 106755000   | 0.015183314 |
| chr1       | 106752001      | 106757000   | 2.41E-05 |
| chr1       | 106847001      | 106852000   | 0.002725803 |
| chr1       | 106848001      | 106853000   | 0.004801828 |
| chr1       | 106904001      | 106909000   | 0.001867574 |
| chr1       | 106941001      | 106946000   | 0.000273084 |
| chr1       | 107101001      | 107106000   | 0.013199752 |
| chr1       | 107197001      | 107202000   | 0.00256962 |
| chr1       | 107330001      | 107335000   | 7.36E-12 |
| chr1       | 107333001      | 107338000   | 1.33E-11 |
| chr1       | 107334001      | 107339000   | 9.79E-10 |
| chr1       | 107355001      | 107360000   | 0.000774448 |
| chr1       | 107356001      | 107361000   | 0.000363355 |
| chr1       | 107357001      | 107362000   | 4.30E-05 |
| chr1       | 107358001      | 107363000   | 0.000175529 |
| chr1       | 107359001      | 107364000   | 0.000512628 |
| chr1       | 107404001      | 107409000   | 5.36E-07 |
| chr1       | 107405001      | 107410000   | 2.08E-06 |
| chr1       | 107443001      | 107448000   | 1.17E-05 |
| chr1       | 107445001      | 107450000   | 2.12E-05 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| Chr1       | 107446001      | 107451000    | 4.62E-05|
| Chr1       | 107447001      | 107452000    | 0.00170257|
| Chr1       | 107522001      | 107527000    | 0.008897117|
| Chr1       | 107652001      | 107657000    | 0.001646993|
| Chr1       | 107722001      | 107727000    | 0.001184776|
| Chr1       | 107970001      | 107975000    | 2.15E-05|
| Chr1       | 107971001      | 107976000    | 2.42E-05|
| Chr1       | 108218001      | 108223000    | 0.004746339|
| Chr1       | 108419001      | 108424000    | 0.002230315|
| Chr1       | 108420001      | 108425000    | 1.95E-05|
| Chr1       | 108864001      | 108869000    | 1.15E-07|
| Chr1       | 109364001      | 109369000    | 5.41E-05|
| Chr1       | 109365001      | 109370000    | 2.40E-05|
| Chr1       | 109366001      | 109371000    | 2.05E-06|
| Chr1       | 109368001      | 109373000    | 0.00141031|
| Chr1       | 109592001      | 109597000    | 0.000285481|
| Chr1       | 109627001      | 109632000    | 0.000689802|
| Chr1       | 109871001      | 109876000    | 2.39E-06|
| Chr1       | 110037001      | 110042000    | 1.40E-09|
| Chr1       | 110113001      | 110118000    | 1.44E-05|
| Chr1       | 110932001      | 110937000    | 0.00082919|
| Chr1       | 110933001      | 110938000    | 0.000181566|
| Chr1       | 111032001      | 111037000    | 2.90E-05|
| Chr1       | 111187001      | 111192000    | 0.000534847|
| Chr1       | 111370001      | 111375000    | 0.001982566|
| Chr1       | 111371001      | 111376000    | 0.000801887|
| Chr1       | 111372001      | 111377000    | 0.00153402|
| Chr1       | 111447001      | 111452000    | 0.004042601|
| Chr1       | 111507001      | 111512000    | 1.03E-05|
| Chr1       | 111508001      | 111513000    | 5.13E-05|
| Chr1       | 112928001      | 112933000    | 0.000468676|
| Chr1       | 113002001      | 113007000    | 0.000119273|
| Chr1       | 113941001      | 113946000    | 0.001026455|
| Chr1       | 114580001      | 114585000    | 8.10E-07|
| Chr1       | 114872001      | 114877000    | 5.07E-06|
| Chr1       | 114919001      | 114924000    | 0.000406331|
| Chr1       | 115046001      | 115051000    | 6.60E-12|
| Chr1       | 115047001      | 115052000    | 1.64E-12|
| Chr1       | 115498001      | 115503000    | 0.000137378|
| Chr1       | 115855001      | 115860000    | 2.50E-05|
| Chr1       | 115856001      | 115861000    | 8.25E-07|
| Chr1       | 116419001      | 116424000    | 3.19E-11|
| Chr1       | 116461001      | 116466000    | 4.54E-05|
| Chr1       | 116462001      | 116467000    | 8.48E-06|
| Chr1       | 116910001      | 116915000    | 2.50E-20|
| Chr1       | 116918001      | 116923000    | 9.52E-11|
| Chr1       | 116919001      | 116924000    | 3.71E-07|
| Chr1       | 117260001      | 117265000    | 0.00018915|
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr1       | 118313001      | 118318000    | 0.000359486 |
| chr1       | 118557001      | 118562000    | 0.004697615 |
| chr1       | 118631001      | 118636000    | 0.002445553 |
| chr1       | 118632001      | 118637000    | 0.000508593 |
| chr1       | 118693001      | 118698000    | 1.48E-07    |
| chr1       | 118870001      | 118875000    | 0.000886643 |
| chr1       | 119133001      | 119138000    | 0.00251701  |
| chr1       | 119441001      | 119446000    | 3.49E-05    |
| chr1       | 119552001      | 119557000    | 0.001460314 |
| chr1       | 119818001      | 119823000    | 0.001854912 |
| chr1       | 119819001      | 119824000    | 1.17E-07    |
| chr1       | 119820001      | 119825000    | 5.06E-07    |
| chr1       | 119821001      | 119826000    | 1.74E-05    |
| chr1       | 119822001      | 119827000    | 3.51E-05    |
| chr1       | 120007001      | 120012000    | 1.64E-06    |
| chr1       | 120389001      | 120394000    | 9.63E-07    |
| chr1       | 120760001      | 120765000    | 7.24E-06    |
| chr1       | 121235001      | 121240000    | 1.43E-10    |
| chr1       | 121236001      | 121241000    | 7.43E-10    |
| chr1       | 121237001      | 121242000    | 1.24E-10    |
| chr1       | 121333001      | 121338000    | 8.93E-05    |
| chr1       | 144578001      | 144583000    | 6.02E-07    |
| chr1       | 145383001      | 145388000    | 1.70E-29    |
| chr1       | 145694001      | 145699000    | 2.25E-07    |
| chr1       | 146516001      | 146521000    | 0.000325824 |
| chr1       | 146607001      | 146612000    | 3.22E-07    |
| chr1       | 146608001      | 146613000    | 2.09E-07    |
| chr1       | 146609001      | 146614000    | 3.73E-07    |
| chr1       | 146707001      | 146712000    | 1.95E-08    |
| chr1       | 147205001      | 147210000    | 8.26E-06    |
| chr1       | 147292001      | 147297000    | 1.73E-08    |
| chr1       | 148187001      | 148192000    | 0.00068571  |
| chr1       | 149678001      | 149683000    | 1.52E-11    |
| chr1       | 149907001      | 149912000    | 3.44E-20    |
| chr1       | 149931001      | 149936000    | 4.38E-11    |
| chr1       | 150545001      | 150550000    | 3.10E-14    |
| chr1       | 150894001      | 150899000    | 6.08E-38    |
| chr1       | 151678001      | 151683000    | 3.28E-24    |
| chr1       | 151839001      | 151844000    | 1.03E-15    |
| chr1       | 151840001      | 151845000    | 1.40E-20    |
| chr1       | 152581001      | 152586000    | 6.33E-05    |
| chr1       | 152809001      | 152814000    | 8.85E-06    |
| chr1       | 153586001      | 153591000    | 1.58E-08    |
| chr1       | 153701001      | 153706000    | 5.29E-14    |
| chr1       | 154902001      | 154907000    | 6.52E-06    |
| chr1       | 154988001      | 154993000    | 1.15E-16    |
| chr1       | 155072001      | 155077000    | 3.68E-15    |
| chr1       | 155073001      | 155078000    | 1.08E-14    |
| chr | Start | End   | p   |
|-----|-------|-------|-----|
| chr1| 170116001 | 170121000 | 3.85E-08 |
| chr1| 170117001 | 170122000 | 1.48E-06 |
| chr1| 170119001 | 170124000 | 8.39E-05 |
| chr1| 171814001 | 171819000 | 0.000721912 |
| chr1| 171879001 | 171884000 | 2.09E-13 |
| chr1| 172983001 | 172988000 | 1.76E-07 |
| chr1| 173238001 | 173243000 | 8.97E-05 |
| chr1| 174840001 | 174845000 | 8.11E-21 |
| chr1| 174841001 | 174846000 | 6.62E-19 |
| chr1| 174842001 | 174847000 | 7.97E-20 |
| chr1| 174844001 | 174849000 | 0.000104279 |
| chr1| 174930001 | 174935000 | 1.82E-08 |
| chr1| 174931001 | 174936000 | 3.46E-07 |
| chr1| 174932001 | 174937000 | 2.30E-07 |
| chr1| 174957001 | 174962000 | 2.28E-06 |
| chr1| 175252001 | 175257000 | 0.00016884 |
| chr1| 176369001 | 176374000 | 0.00168314 |
| chr1| 176370001 | 176375000 | 0.002158439 |
| chr1| 176575001 | 176580000 | 1.73E-05 |
| chr1| 176576001 | 176581000 | 0.001248728 |
| chr1| 177166001 | 177171000 | 2.79E-07 |
| chr1| 177282001 | 177287000 | 1.89E-05 |
| chr1| 177283001 | 177288000 | 1.03E-05 |
| chr1| 177284001 | 177289000 | 2.55E-05 |
| chr1| 178308001 | 178313000 | 4.68E-07 |
| chr1| 179686001 | 179691000 | 0.00521722 |
| chr1| 179898001 | 179903000 | 3.17E-07 |
| chr1| 179906001 | 179911000 | 0.010799406 |
| chr1| 181442001 | 181447000 | 1.88E-15 |
| chr1| 181443001 | 181448000 | 2.14E-13 |
| chr1| 181458001 | 181463000 | 4.29E-08 |
| chr1| 181460001 | 181465000 | 2.38E-07 |
| chr1| 182966001 | 182971000 | 8.62E-08 |
| chr1| 182967001 | 182972000 | 2.35E-05 |
| chr1| 184215001 | 184220000 | 3.54E-05 |
| chr1| 184275001 | 184280000 | 5.10E-09 |
| chr1| 185003001 | 185008000 | 0.00010787 |
| chr1| 185535001 | 185540000 | 1.43E-07 |
| chr1| 185653001 | 185658000 | 6.67E-07 |
| chr1| 185654001 | 185659000 | 0.000286044 |
| chr1| 185905001 | 185910000 | 0.025196288 |
| chr1| 186117001 | 186122000 | 2.43E-06 |
| chr1| 186118001 | 186123000 | 7.98E-08 |
| chr1| 186119001 | 186124000 | 7.88E-05 |
| chr1| 186120001 | 186125000 | 0.000170568 |
| chr1| 186121001 | 186126000 | 0.000151508 |
| chr1| 186447001 | 186452000 | 5.67E-05 |
| chr1| 186448001 | 186453000 | 4.86E-05 |
| Chromosome | Start  | End    | p-value  |
|------------|--------|--------|----------|
| chr1       | 186449001 | 186454000 | 0.00011365 |
| chr1       | 186761001 | 186766000 | 0.000163216 |
| chr1       | 187003001 | 187008000 | 0.004741945 |
| chr1       | 187047001 | 187052000 | 4.77E-06 |
| chr1       | 187128001 | 187133000 | 8.54E-20 |
| chr1       | 187222001 | 187227000 | 0.002521717 |
| chr1       | 187223001 | 187228000 | 3.01E-06 |
| chr1       | 187224001 | 187229000 | 2.64E-06 |
| chr1       | 187291001 | 187296000 | 0.000496 |
| chr1       | 187378001 | 187383000 | 4.74E-08 |
| chr1       | 187379001 | 187384000 | 0.00025548 |
| chr1       | 187380001 | 187385000 | 0.003325213 |
| chr1       | 187386001 | 187391000 | 0.008443385 |
| chr1       | 187387001 | 187392000 | 0.010790777 |
| chr1       | 187582001 | 187587000 | 2.83E-12 |
| chr1       | 187616001 | 187621000 | 3.32E-13 |
| chr1       | 187617001 | 187622000 | 0.001375077 |
| chr1       | 187618001 | 187623000 | 0.000114331 |
| chr1       | 187619001 | 187624000 | 0.00017504 |
| chr1       | 187620001 | 187625000 | 4.32E-05 |
| chr1       | 187951001 | 187956000 | 0.001369133 |
| chr1       | 187984001 | 187989000 | 1.08E-07 |
| chr1       | 187985001 | 187990000 | 1.77E-06 |
| chr1       | 187986001 | 187991000 | 6.48E-07 |
| chr1       | 188008001 | 188013000 | 0.000476421 |
| chr1       | 188009001 | 188014000 | 0.003024519 |
| chr1       | 188010001 | 188015000 | 0.004810295 |
| chr1       | 188011001 | 188016000 | 0.000757702 |
| chr1       | 188012001 | 188017000 | 0.002040283 |
| chr1       | 188126001 | 188131000 | 6.69E-07 |
| chr1       | 188212001 | 188217000 | 0.000130776 |
| chr1       | 188233001 | 188238000 | 1.10E-06 |
| chr1       | 188398001 | 188403000 | 0.003759445 |
| chr1       | 188401001 | 188406000 | 1.81E-13 |
| chr1       | 188402001 | 188407000 | 9.69E-13 |
| chr1       | 188403001 | 188408000 | 8.41E-11 |
| chr1       | 188612001 | 188617000 | 0.000198961 |
| chr1       | 188670001 | 188675000 | 0.000634943 |
| chr1       | 188671001 | 188676000 | 0.000194651 |
| chr1       | 188692001 | 188697000 | 0.000100798 |
| chr1       | 188819001 | 188824000 | 0.013140681 |
| chr1       | 188909001 | 188914000 | 0.010862284 |
| chr1       | 189015001 | 189020000 | 8.07E-10 |
| chr1       | 189210001 | 189215000 | 1.52E-05 |
| chr1       | 189375001 | 189380000 | 6.49E-10 |
| chr1       | 189376001 | 189381000 | 2.51E-12 |
| chr1       | 189377001 | 189382000 | 1.41E-11 |
| chr | Start | End   | Value      |
|-----|-------|-------|------------|
| chr1| 189420001 | 189425000 | 0.000112993 |
| chr1| 189421001 | 189426000 | 0.00025596  |
| chr1| 189422001 | 189427000 | 0.00015975  |
| chr1| 189561001 | 189566000 | 0.002426552 |
| chr1| 189562001 | 189567000 | 0.000694673 |
| chr1| 189563001 | 189568000 | 0.000627596 |
| chr1| 189564001 | 189569000 | 0.018615712 |
| chr1| 189615001 | 189620000 | 0.000582414 |
| chr1| 189617001 | 189622000 | 0.00040339  |
| chr1| 189991001 | 189996000 | 1.74E-09    |
| chr1| 190079001 | 190084000 | 0.000437351 |
| chr1| 190080001 | 190085000 | 0.000565228 |
| chr1| 190086001 | 190091000 | 8.74E-06    |
| chr1| 190118001 | 190123000 | 3.42E-09    |
| chr1| 190321001 | 190326000 | 0.000404895 |
| chr1| 190563001 | 190568000 | 0.000183988 |
| chr1| 190564001 | 190569000 | 0.000198432 |
| chr1| 190565001 | 190570000 | 2.25E-05    |
| chr1| 190566001 | 190571000 | 5.59E-05    |
| chr1| 190646001 | 190651000 | 5.38E-05    |
| chr1| 190722001 | 190727000 | 0.002883753 |
| chr1| 190723001 | 190728000 | 0.002574825 |
| chr1| 190724001 | 190729000 | 0.003195913 |
| chr1| 190725001 | 190730000 | 0.007076768 |
| chr1| 190726001 | 190731000 | 0.004981448 |
| chr1| 190889001 | 190894000 | 0.00088588  |
| chr1| 190905001 | 190910000 | 3.72E-05    |
| chr1| 190906001 | 190911000 | 3.05E-05    |
| chr1| 190913001 | 190918000 | 0.00026458  |
| chr1| 190941001 | 190946000 | 0.00784398  |
| chr1| 190942001 | 190947000 | 0.01432735  |
| chr1| 190995001 | 191000000 | 9.70E-13    |
| chr1| 191033001 | 191038000 | 1.51E-06    |
| chr1| 191034001 | 191039000 | 1.04E-05    |
| chr1| 191111001 | 191116000 | 0.001087875 |
| chr1| 191178001 | 191183000 | 0.000597691 |
| chr1| 191179001 | 191184000 | 2.91E-05    |
| chr1| 191451001 | 191456000 | 0.000414257 |
| chr1| 191452001 | 191457000 | 0.001206785 |
| chr1| 191476001 | 191481000 | 7.44E-08    |
| chr1| 191477001 | 191482000 | 8.39E-05    |
| chr1| 191536001 | 191541000 | 0.000713793 |
| chr1| 191537001 | 191542000 | 0.001215633 |
| chr1| 191538001 | 191543000 | 0.001311073 |
| chr1| 191539001 | 191544000 | 0.000973788 |
| chr1| 191540001 | 191545000 | 0.000743437 |
| chr1| 191544001 | 191549000 | 1.48E-05    |
| chr1| 191545001 | 191550000 | 3.67E-07    |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr1       | 191580001      | 191585000    | 1.87E-09 |
| chr1       | 191668001      | 191673000    | 2.09E-06 |
| chr1       | 191750001      | 191755000    | 0.000491045 |
| chr1       | 191751001      | 191756000    | 7.42E-05 |
| chr1       | 191792001      | 191797000    | 4.93E-06 |
| chr1       | 191807001      | 191812000    | 5.36E-05 |
| chr1       | 191813001      | 191818000    | 3.55E-08 |
| chr1       | 191814001      | 191819000    | 4.29E-08 |
| chr1       | 191815001      | 191820000    | 4.01E-08 |
| chr1       | 191837001      | 191842000    | 1.53E-05 |
| chr1       | 191838001      | 191843000    | 1.83E-05 |
| chr1       | 191863001      | 191868000    | 0.007028847 |
| chr1       | 191967001      | 191972000    | 5.02E-10 |
| chr1       | 191969001      | 191974000    | 1.01E-09 |
| chr1       | 191989001      | 191994000    | 0.000488012 |
| chr1       | 191990001      | 191995000    | 0.00021821 |
| chr1       | 192012001      | 192017000    | 5.22E-07 |
| chr1       | 192032001      | 192037000    | 0.000350547 |
| chr1       | 192172001      | 192177000    | 2.67E-06 |
| chr1       | 192173001      | 192178000    | 9.95E-07 |
| chr1       | 192256001      | 192261000    | 0.002795964 |
| chr1       | 192257001      | 192262000    | 0.003247082 |
| chr1       | 192302001      | 192307000    | 3.53E-05 |
| chr1       | 192303001      | 192308000    | 0.000165511 |
| chr1       | 192304001      | 192309000    | 0.000156512 |
| chr1       | 192310001      | 192315000    | 0.000929283 |
| chr1       | 192320001      | 192325000    | 4.43E-05 |
| chr1       | 192321001      | 192326000    | 5.58E-08 |
| chr1       | 192322001      | 192327000    | 9.32E-05 |
| chr1       | 192417001      | 192422000    | 0.000136707 |
| chr1       | 192727001      | 192732000    | 0.00792045 |
| chr1       | 192728001      | 192733000    | 0.000562541 |
| chr1       | 193694001      | 193699000    | 0.000659238 |
| chr1       | 193808001      | 193813000    | 0.00190115 |
| chr1       | 193809001      | 193814000    | 0.001853476 |
| chr1       | 194220001      | 194225000    | 0.000225029 |
| chr1       | 194355001      | 194360000    | 0.000273855 |
| chr1       | 194378001      | 194383000    | 0.001264233 |
| chr1       | 194621001      | 194626000    | 0.000242367 |
| chr1       | 194782001      | 194787000    | 0.000129236 |
| chr1       | 194783001      | 194788000    | 5.19E-05 |
| chr1       | 194830001      | 194835000    | 8.19E-05 |
| chr1       | 195071001      | 195076000    | 0.000157305 |
| chr1       | 195072001      | 195077000    | 7.96E-05 |
| chr1       | 195085001      | 195090000    | 0.00319561 |
| chr1       | 195086001      | 195091000    | 0.004181747 |
| chr1       | 195087001      | 195092000    | 0.005365917 |
| chr1       | 195088001      | 195093000    | 0.000424878 |
| Chr | Start | End   | p-Value  |
|-----|-------|-------|----------|
| chr1| 195089001 | 195094000 | 0.001821109 |
| chr1| 195624001 | 195629000 | 8.66E-05 |
| chr1| 195744001 | 195749000 | 0.000216518 |
| chr1| 195998001 | 196003000 | 3.19E-05 |
| chr1| 196175001 | 196180000 | 1.90E-05 |
| chr1| 196410001 | 196415000 | 8.66E-05 |
| chr1| 196729001 | 196734000 | 2.27E-08 |
| chr1| 196813001 | 196818000 | 2.66E-08 |
| chr1| 196814001 | 196819000 | 2.34E-08 |
| chr1| 196841001 | 196846000 | 1.36E-09 |
| chr1| 196884001 | 196889000 | 0.000726084 |
| chr1| 196886001 | 196891000 | 6.89E-05 |
| chr1| 196887001 | 196892000 | 6.77E-05 |
| chr1| 197116001 | 197121000 | 8.17E-18 |
| chr1| 197287001 | 197292000 | 0.00115581 |
| chr1| 197288001 | 197293000 | 0.002167204 |
| chr1| 197359001 | 197364000 | 0.008584974 |
| chr1| 197404001 | 197409000 | 0.012603856 |
| chr1| 198053001 | 198058000 | 0.00205421 |
| chr1| 198054001 | 198059000 | 1.79E-05 |
| chr1| 198055001 | 198060000 | 1.57E-05 |
| chr1| 198056001 | 198061000 | 0.000378468 |
| chr1| 198085001 | 198090000 | 1.31E-05 |
| chr1| 198593001 | 198598000 | 3.93E-09 |
| chr1| 198734001 | 198739000 | 0.002058216 |
| chr1| 198764001 | 198769000 | 1.98E-06 |
| chr1| 198765001 | 198770000 | 6.20E-07 |
| chr1| 198766001 | 198771000 | 0.000106825 |
| chr1| 198767001 | 198772000 | 0.005780622 |
| chr1| 198823001 | 198828000 | 1.52E-06 |
| chr1| 198824001 | 198829000 | 1.02E-09 |
| chr1| 198825001 | 198830000 | 1.13E-08 |
| chr1| 198826001 | 198831000 | 5.28E-09 |
| chr1| 198828001 | 198833000 | 2.24E-07 |
| chr1| 198939001 | 198944000 | 2.80E-05 |
| chr1| 198974001 | 198979000 | 2.03E-08 |
| chr1| 199077001 | 199082000 | 3.22E-07 |
| chr1| 199096001 | 199101000 | 7.31E-05 |
| chr1| 199104001 | 199109000 | 6.64E-06 |
| chr1| 199105001 | 199110000 | 1.04E-06 |
| chr1| 199191001 | 199196000 | 5.08E-08 |
| chr1| 199204001 | 199209000 | 5.11E-05 |
| chr1| 199205001 | 199210000 | 7.30E-05 |
| chr1| 199206001 | 199211000 | 0.000562541 |
| chr1| 199278001 | 199283000 | 1.13E-06 |
| chr1| 199279001 | 199284000 | 1.09E-06 |
| Chr | Start | End   | P-value  |
|-----|-------|-------|----------|
| chr1| 210159001 | 210164000 | 2.39E-05 |
| chr1| 210822001 | 210827000 | 1.10E-06 |
| chr1| 211505001 | 211510000 | 1.15E-20 |
| chr1| 212681001 | 212686000 | 1.20E-11 |
| chr1| 212894001 | 212899000 | 1.98E-07 |
| chr1| 213814001 | 213819000 | 9.68E-05 |
| chr1| 214443001 | 214448000 | 0.000232827 |
| chr1| 214855001 | 214860000 | 1.83E-06 |
| chr1| 214856001 | 214861000 | 3.67E-07 |
| chr1| 214960001 | 214965000 | 0.0000177722 |
| chr1| 215136001 | 215141000 | 1.14E-05 |
| chr1| 215138001 | 215143000 | 1.31E-06 |
| chr1| 215139001 | 215144000 | 2.14E-07 |
| chr1| 215140001 | 215145000 | 8.55E-09 |
| chr1| 215229001 | 215234000 | 7.85E-12 |
| chr1| 215230001 | 215235000 | 3.73E-10 |
| chr1| 215231001 | 215236000 | 1.59E-10 |
| chr1| 215232001 | 215237000 | 2.21E-09 |
| chr1| 215458001 | 215463000 | 0.000147191 |
| chr1| 215479001 | 215484000 | 8.48E-05 |
| chr1| 215517001 | 215522000 | 0.009991335 |
| chr1| 215573001 | 215578000 | 0.000436967 |
| chr1| 215574001 | 215579000 | 0.000276316 |
| chr1| 215579001 | 215584000 | 1.02E-09 |
| chr1| 215711001 | 215716000 | 8.26E-06 |
| chr1| 215712001 | 215717000 | 3.76E-06 |
| chr1| 215877001 | 215882000 | 4.39E-06 |
| chr1| 215932001 | 215937000 | 0.000262156 |
| chr1| 215934001 | 215939000 | 9.55E-05 |
| chr1| 215935001 | 215940000 | 6.38E-06 |
| chr1| 216068001 | 216073000 | 4.04E-09 |
| chr1| 216217001 | 216222000 | 0.019889663 |
| chr1| 216218001 | 216223000 | 0.012267176 |
| chr1| 216389001 | 216394000 | 4.46E-05 |
| chr1| 216504001 | 216509000 | 0.001208657 |
| chr1| 217042001 | 217047000 | 1.36E-07 |
| chr1| 217134001 | 217139000 | 8.30E-09 |
| chr1| 217148001 | 217153000 | 5.10E-05 |
| chr1| 217149001 | 217154000 | 0.000141758 |
| chr1| 217515001 | 217520000 | 0.00020869 |
| chr1| 217517001 | 217522000 | 1.32E-05 |
| chr1| 218107001 | 218112000 | 0.000723944 |
| chr1| 218218001 | 218223000 | 0.000924581 |
| chr1| 218219001 | 218224000 | 0.000273204 |
| chr1| 218341001 | 218346000 | 0.000891759 |
| chr1| 218342001 | 218347000 | 0.001817229 |
| chr1| 218547001 | 218552000 | 1.60E-17 |
| chr1| 219006001 | 219011000 | 0.000319143 |
| Chromosome | Start | End | Log2 Fold Change |
|------------|-------|-----|-----------------|
| chr1       | 238069001 | 238074000 | 0.000416208 |
| chr1       | 238070001 | 238075000 | 0.000416291 |
| chr1       | 238212001 | 238217000 | 0.000157069 |
| chr1       | 238506001 | 238511000 | 9.26E-07      |
| chr1       | 238998001 | 239003000 | 0.000250793   |
| chr1       | 238999001 | 239004000 | 0.000627867   |
| chr1       | 240345001 | 240350000 | 1.49E-11      |
| chr1       | 240401001 | 240406000 | 4.42E-17      |
| chr1       | 240402001 | 240407000 | 1.23E-10      |
| chr1       | 240403001 | 240408000 | 2.58E-10      |
| chr1       | 240539001 | 240544000 | 9.26E-07      |
| chr1       | 240540001 | 240545000 | 0.000280335   |
| chr1       | 240595001 | 240600000 | 2.26E-08      |
| chr1       | 240607001 | 240612000 | 2.75E-07      |
| chr1       | 240627001 | 240632000 | 2.28E-05      |
| chr1       | 240695001 | 240700000 | 1.37E-05      |
| chr1       | 240696001 | 240701000 | 1.33E-05      |
| chr1       | 240733001 | 240738000 | 1.59E-05      |
| chr1       | 240735001 | 240740000 | 2.96E-09      |
| chr1       | 240867001 | 240872000 | 1.75E-10      |
| chr1       | 240905001 | 240910000 | 0.000271774   |
| chr1       | 241347001 | 241352000 | 8.37E-07      |
| chr1       | 241348001 | 241353000 | 1.04E-06      |
| chr1       | 241349001 | 241354000 | 8.58E-12      |
| chr1       | 241532001 | 241537000 | 0.002931231   |
| chr1       | 241533001 | 241538000 | 0.003960062   |
| chr1       | 241899001 | 241904000 | 0.00576248    |
| chr1       | 242180001 | 242185000 | 2.90E-14      |
| chr1       | 242323001 | 242328000 | 2.39E-09      |
| chr1       | 242324001 | 242329000 | 1.16E-09      |
| chr1       | 242547001 | 242552000 | 1.73E-07      |
| chr1       | 242721001 | 242726000 | 1.04E-07      |
| chr1       | 242722001 | 242727000 | 1.68E-10      |
| chr1       | 243167001 | 243172000 | 1.41E-05      |
| chr1       | 243168001 | 243173000 | 1.68E-06      |
| chr1       | 243195001 | 243200000 | 0.002017378   |
| chr1       | 245848001 | 245853000 | 7.16E-15      |
| chr1       | 247922001 | 247927000 | 5.32E-09      |
| chr1       | 247923001 | 247928000 | 1.31E-09      |
| chr1       | 247924001 | 247929000 | 3.82E-11      |
| chr1       | 247925001 | 247930000 | 8.11E-11      |
| chr1       | 247958001 | 247963000 | 7.31E-06      |
| chr1       | 247959001 | 247964000 | 7.52E-06      |
| chr1       | 247962001 | 247967000 | 4.50E-06      |
| chr1       | 248361001 | 248366000 | 0.004868055   |
| chr2       | 168001   | 173000   | 2.40E-08      |
| chr2       | 169001   | 174000   | 3.29E-07      |
| chr2       | 614001   | 619000   | 1.13E-08      |
| chr2 | Start | End   | Score   |
|------|-------|-------|---------|
| 615001 | 620000 | 8.56E-10 |
| 616001 | 621000 | 6.55E-07  |
| 617001 | 622000 | 1.52E-11  |
| 618001 | 623000 | 9.07E-08  |
| 894001 | 899000 | 1.55E-07  |
| 895001 | 900000 | 5.76E-10  |
| 1116001 | 1121000 | 1.15E-10  |
| 1118001 | 1123000 | 1.20E-08  |
| 1572001 | 1577000 | 2.11E-11  |
| 1890001 | 1895000 | 2.17E-12  |
| 1977001 | 1982000 | 3.21E-08  |
| 1985001 | 1990000 | 1.24E-08  |
| 2082001 | 2087000 | 6.69E-05  |
| 2432001 | 2437000 | 7.90E-07  |
| 2433001 | 2438000 | 1.97E-07  |
| 3579001 | 3584000 | 2.50E-19  |
| 3580001 | 3585000 | 7.75E-17  |
| 4032001 | 4037000 | 0.000401258 |
| 4418001 | 4423000 | 0.000127453 |
| 4484001 | 4489000 | 2.55E-08  |
| 4485001 | 4490000 | 4.76E-06  |
| 4486001 | 4491000 | 6.72E-05  |
| 4487001 | 4492000 | 4.88E-05  |
| 4675001 | 4680000 | 2.25E-06  |
| 4676001 | 4681000 | 0.000249244 |
| 4743001 | 4748000 | 1.63E-06  |
| 4937001 | 4942000 | 0.000197545 |
| 4938001 | 4943000 | 1.17E-06  |
| 4939001 | 4944000 | 1.92E-06  |
| 5200001 | 5205000 | 4.31E-09  |
| 5201001 | 5206000 | 2.04E-08  |
| 5202001 | 5207000 | 4.87E-07  |
| 5223001 | 5228000 | 6.14E-06  |
| 5554001 | 5559000 | 8.97E-07  |
| 5573001 | 5578000 | 5.30E-05  |
| 6140001 | 6145000 | 2.15E-07  |
| 6142001 | 6147000 | 3.56E-08  |
| 6375001 | 6380000 | 1.94E-11  |
| 6376001 | 6381000 | 1.54E-16  |
| 6433001 | 6438000 | 5.87E-05  |
| 6817001 | 6820000 | 5.54E-06  |
| 6829001 | 6834000 | 0.000214914 |
| 7290001 | 7295000 | 1.56E-05  |
| 7297001 | 7302000 | 0.000526147 |
| 7298001 | 7303000 | 0.00071181 |
| 7727001 | 7732000 | 0.000934357 |
| 7757001 | 7762000 | 2.17E-05  |
| 7793001 | 7798000 | 0.00515584 |
| Chr | Start | Stop  | P-value  |
|-----|-------|-------|----------|
| chr2 | 7844 | 7849 | 1.35E-07 |
| chr2 | 8251 | 8256 | 6.92E-07 |
| chr2 | 8976 | 8981 | 2.59E-15 |
| chr2 | 9526 | 9531 | 4.65E-23 |
| chr2 | 1015 | 1016 | 4.19E-46 |
| chr2 | 10152 | 10157 | 1.16E-47 |
| chr2 | 10153 | 10158 | 3.93E-37 |
| chr2 | 10154 | 10159 | 1.69E-22 |
| chr2 | 10389 | 10394 | 7.96E-07 |
| chr2 | 11036 | 11041 | 3.16E-09 |
| chr2 | 11038 | 11043 | 2.51E-10 |
| chr2 | 11039 | 11044 | 2.25E-08 |
| chr2 | 12207 | 12212 | 1.10E-12 |
| chr2 | 12208 | 12213 | 2.15E-11 |
| chr2 | 12568 | 12573 | 3.83E-06 |
| chr2 | 12596 | 12601 | 4.91E-10 |
| chr2 | 12597 | 12602 | 2.01E-05 |
| chr2 | 12924 | 12929 | 1.97E-09 |
| chr2 | 12925 | 12930 | 9.09E-12 |
| chr2 | 13297 | 13302 | 0.000445797 |
| chr2 | 13641 | 13646 | 0.000181502 |
| chr2 | 13659 | 13664 | 0.001126611 |
| chr2 | 13735 | 13740 | 0.000269071 |
| chr2 | 13897 | 13902 | 0.00030818 |
| chr2 | 16649 | 16654 | 1.31E-06 |
| chr2 | 16917 | 16922 | 1.95E-09 |
| chr2 | 16997 | 17002 | 0.001700798 |
| chr2 | 16998 | 17003 | 0.001568418 |
| chr2 | 17238 | 17243 | 0.000715113 |
| chr2 | 17272 | 17277 | 0.000448421 |
| chr2 | 17292 | 17297 | 0.005945583 |
| chr2 | 17293 | 17298 | 0.006314578 |
| chr2 | 17598 | 17603 | 0.00488822 |
| chr2 | 17600 | 17605 | 0.005519412 |
| chr2 | 17601 | 17606 | 0.005550234 |
| chr2 | 18186 | 18191 | 5.89E-09 |
| chr2 | 18205 | 18210 | 0.000182188 |
| chr2 | 18250 | 18255 | 0.000822831 |
| chr2 | 18291 | 18296 | 0.00085763 |
| chr2 | 18360 | 18365 | 0.00687123 |
| chr2 | 18361 | 18366 | 0.00927776 |
| chr2 | 18390 | 18395 | 2.76E-05 |
| chr2 | 19150 | 19155 | 1.88E-05 |
| chr2 | 19151 | 19156 | 6.30E-06 |
| chr2 | 20634 | 20639 | 1.12E-08 |
| chr2 | 20635 | 20640 | 1.91E-08 |
| chr2 | 21440 | 21445 | 0.003548126 |
| chr2 | 21541 | 21546 | 0.000612886 |
|   | chr2 | 33085001 | 33090000 | 1.87E-09 |
|---|------|----------|----------|----------|
|   | chr2 | 33442001 | 33447000 | 5.39E-11 |
|   | chr2 | 33443001 | 33448000 | 5.83E-08 |
|   | chr2 | 33452001 | 33457000 | 3.04E-07 |
|   | chr2 | 33667001 | 33672000 | 1.51E-09 |
|   | chr2 | 33765001 | 33770000 | 1.58E-07 |
|   | chr2 | 33766001 | 33771000 | 1.18E-06 |
|   | chr2 | 34082001 | 34087000 | 3.32E-09 |
|   | chr2 | 34219001 | 34224000 | 0.000548776 |
|   | chr2 | 34318001 | 34323000 | 0.000681213 |
|   | chr2 | 34572001 | 34577000 | 0.000792041 |
|   | chr2 | 34677001 | 34682000 | 0.001179845 |
|   | chr2 | 34788001 | 34793000 | 8.77E-07 |
|   | chr2 | 34789001 | 34794000 | 5.55E-06 |
|   | chr2 | 35043001 | 35048000 | 0.000279055 |
|   | chr2 | 35045001 | 35050000 | 0.00094011 |
|   | chr2 | 35046001 | 35051000 | 0.000150007 |
|   | chr2 | 35047001 | 35052000 | 1.50E-06 |
|   | chr2 | 35426001 | 35431000 | 0.011785392 |
|   | chr2 | 35603001 | 35608000 | 0.002274601 |
|   | chr2 | 35632001 | 35637000 | 0.000667984 |
|   | chr2 | 35633001 | 35638000 | 5.42E-05 |
|   | chr2 | 35678001 | 35683000 | 0.00013786 |
|   | chr2 | 36408001 | 36413000 | 0.000513857 |
|   | chr2 | 37602001 | 37607000 | 1.44E-16 |
|   | chr2 | 37603001 | 37608000 | 8.84E-18 |
|   | chr2 | 37814001 | 37819000 | 8.47E-07 |
|   | chr2 | 40019001 | 40024000 | 0.002220317 |
|   | chr2 | 40134001 | 40139000 | 0.000634654 |
|   | chr2 | 40151001 | 40156000 | 5.92E-07 |
|   | chr2 | 40152001 | 40157000 | 9.99E-07 |
|   | chr2 | 40153001 | 40158000 | 1.04E-08 |
|   | chr2 | 40154001 | 40159000 | 2.47E-06 |
|   | chr2 | 40203001 | 40208000 | 2.17E-05 |
|   | chr2 | 40267001 | 40272000 | 1.78E-10 |
|   | chr2 | 40268001 | 40273000 | 1.38E-10 |
|   | chr2 | 40289001 | 40294000 | 3.81E-06 |
|   | chr2 | 40290001 | 40295000 | 5.09E-06 |
|   | chr2 | 40291001 | 40296000 | 9.58E-06 |
|   | chr2 | 40323001 | 40328000 | 0.000644672 |
|   | chr2 | 40325001 | 40330000 | 0.000154725 |
|   | chr2 | 40326001 | 40331000 | 6.39E-06 |
|   | chr2 | 40328001 | 40333000 | 3.27E-05 |
|   | chr2 | 40329001 | 40334000 | 7.84E-08 |
|   | chr2 | 40350001 | 40355000 | 0.001422236 |
|   | chr2 | 40367001 | 40372000 | 9.83E-08 |
|   | chr2 | 40368001 | 40373000 | 1.03E-05 |
|   | chr2 | 40424001 | 40429000 | 0.001015033 |
| Chromosome | Start Position | End Position | Value         |
|------------|----------------|--------------|---------------|
| chr2       | 40475001       | 40480000     | 1.55E-06      |
| chr2       | 40485001       | 40490000     | 3.29E-07      |
| chr2       | 40504001       | 40509000     | 1.67E-05      |
| chr2       | 40507001       | 40512000     | 0.000372445   |
| chr2       | 40508001       | 40513000     | 0.000373304   |
| chr2       | 40517001       | 40522000     | 0.000107002   |
| chr2       | 40622001       | 40627000     | 0.004671408   |
| chr2       | 40669001       | 40674000     | 5.09E-08      |
| chr2       | 40670001       | 40675000     | 7.51E-07      |
| chr2       | 40750001       | 40755000     | 1.16E-05      |
| chr2       | 40901001       | 40906000     | 4.50E-08      |
| chr2       | 40902001       | 40907000     | 3.13E-07      |
| chr2       | 40903001       | 40908000     | 1.89E-07      |
| chr2       | 40904001       | 40909000     | 9.36E-08      |
| chr2       | 40905001       | 40910000     | 1.44E-12      |
| chr2       | 41046001       | 41051000     | 0.001040779   |
| chr2       | 41047001       | 41052000     | 0.000718391   |
| chr2       | 41048001       | 41053000     | 0.001092241   |
| chr2       | 41049001       | 41054000     | 0.000695836   |
| chr2       | 41050001       | 41055000     | 0.000722117   |
| chr2       | 41160001       | 41165000     | 2.14E-05      |
| chr2       | 41161001       | 41166000     | 1.04E-05      |
| chr2       | 41162001       | 41167000     | 4.83E-06      |
| chr2       | 41164001       | 41169000     | 0.000103205   |
| chr2       | 41187001       | 41192000     | 0.000339815   |
| chr2       | 41188001       | 41193000     | 0.000235054   |
| chr2       | 41239001       | 41244000     | 5.20E-07      |
| chr2       | 41262001       | 41267000     | 0.007518402   |
| chr2       | 41413001       | 41418000     | 0.00016862    |
| chr2       | 41416001       | 41421000     | 0.000145331   |
| chr2       | 41417001       | 41422000     | 4.08E-06      |
| chr2       | 41553001       | 41558000     | 0.002827097   |
| chr2       | 41627001       | 41632000     | 7.51E-05      |
| chr2       | 41628001       | 41633000     | 0.000523162   |
| chr2       | 41629001       | 41634000     | 0.000955414   |
| chr2       | 41643001       | 41648000     | 0.001699185   |
| chr2       | 41644001       | 41649000     | 0.001309465   |
| chr2       | 41645001       | 41650000     | 0.000914135   |
| chr2       | 41697001       | 41702000     | 5.71E-09      |
| chr2       | 41698001       | 41703000     | 4.87E-09      |
| chr2       | 41699001       | 41704000     | 3.49E-08      |
| chr2       | 41700001       | 41705000     | 0.019777101   |
| chr2       | 41701001       | 41706000     | 0.021382916   |
| chr2       | 41728001       | 41733000     | 0.000978033   |
| chr2       | 41832001       | 41837000     | 0.001100866   |
| chr2       | 41833001       | 41838000     | 0.000419271   |
| chr2       | 41834001       | 41839000     | 1.75E-07      |
| chr2       | 41835001       | 41840000     | 3.76E-09      |
| Chrom | Start | End   | Value     |
|-------|-------|-------|-----------|
| chr2  | 41836001 | 41841000 | 7.47E-06 |
| chr2  | 41896001 | 41901000 | 8.77E-08 |
| chr2  | 41928001 | 41933000 | 0.000102329 |
| chr2  | 41970001 | 41975000 | 1.75E-09 |
| chr2  | 41976001 | 41981000 | 0.00075837 |
| chr2  | 42476001 | 42481000 | 0.000902602 |
| chr2  | 42673001 | 42678000 | 1.97E-11 |
| chr2  | 42862001 | 42867000 | 5.50E-11 |
| chr2  | 42863001 | 42868000 | 2.50E-11 |
| chr2  | 43298001 | 43303000 | 8.61E-15 |
| chr2  | 43299001 | 43304000 | 4.78E-14 |
| chr2  | 43300001 | 43305000 | 6.57E-12 |
| chr2  | 44288001 | 44293000 | 1.37E-19 |
| chr2  | 44289001 | 44294000 | 1.80E-17 |
| chr2  | 44290001 | 44295000 | 6.00E-09 |
| chr2  | 44292001 | 44297000 | 5.66E-06 |
| chr2  | 44467001 | 44472000 | 1.05E-16 |
| chr2  | 44468001 | 44473000 | 1.32E-19 |
| chr2  | 44471001 | 44476000 | 7.01E-08 |
| chr2  | 46340001 | 46345000 | 1.40E-07 |
| chr2  | 47571001 | 47576000 | 7.37E-21 |
| chr2  | 47572001 | 47577000 | 3.21E-10 |
| chr2  | 47803001 | 47808000 | 3.54E-05 |
| chr2  | 48984001 | 48989000 | 0.001431718 |
| chr2  | 49246001 | 49251000 | 7.89E-06 |
| chr2  | 49258001 | 49263000 | 9.44E-05 |
| chr2  | 49610001 | 49615000 | 9.13E-10 |
| chr2  | 49611001 | 49616000 | 1.16E-09 |
| chr2  | 49629001 | 49634000 | 1.05E-09 |
| chr2  | 49631001 | 49636000 | 2.02E-10 |
| chr2  | 49788001 | 49793000 | 0.000589938 |
| chr2  | 49789001 | 49794000 | 0.000456624 |
| chr2  | 49790001 | 49795000 | 0.000423231 |
| chr2  | 49895001 | 49900000 | 5.10E-10 |
| chr2  | 49896001 | 49901000 | 3.75E-09 |
| chr2  | 49897001 | 49902000 | 4.82E-10 |
| chr2  | 49899001 | 49904000 | 3.84E-05 |
| chr2  | 50015001 | 50020000 | 3.59E-06 |
| chr2  | 50017001 | 50022000 | 0.001646102 |
| chr2  | 50084001 | 50089000 | 0.001060646 |
| chr2  | 50085001 | 50090000 | 0.001507144 |
| chr2  | 50086001 | 50091000 | 0.000234645 |
| chr2  | 50121001 | 50126000 | 0.005965944 |
| chr2  | 50145001 | 50150000 | 0.005026623 |
| chr2  | 50146001 | 50151000 | 0.003566668 |
| chr2  | 50180001 | 50185000 | 1.93E-06 |
| chr2  | 50357001 | 50362000 | 6.76E-07 |
| chr2  | 50358001 | 50363000 | 4.14E-06 |
| chr2 | 50359001 | 50364000 | 2.26E-05 |
|------|----------|----------|----------|
| chr2 | 50541001 | 50546000 | 0.002454917 |
| chr2 | 50562001 | 50567000 | 8.95E-08 |
| chr2 | 50564001 | 50569000 | 1.64E-05 |
| chr2 | 50634001 | 50639000 | 7.16E-13 |
| chr2 | 50636001 | 50641000 | 3.85E-16 |
| chr2 | 50643001 | 50648000 | 8.72E-05 |
| chr2 | 50644001 | 50649000 | 3.32E-05 |
| chr2 | 50645001 | 50650000 | 0.000459042 |
| chr2 | 50646001 | 50651000 | 0.000732388 |
| chr2 | 50657001 | 50662000 | 5.96E-11 |
| chr2 | 50658001 | 50663000 | 1.29E-10 |
| chr2 | 50746001 | 50751000 | 0.000277022 |
| chr2 | 50759001 | 50764000 | 3.60E-05 |
| chr2 | 50800001 | 50805000 | 2.00E-05 |
| chr2 | 50801001 | 50806000 | 2.95E-05 |
| chr2 | 51017001 | 51022000 | 0.000932172 |
| chr2 | 51316001 | 51321000 | 4.77E-07 |
| chr2 | 51342001 | 51347000 | 9.59E-08 |
| chr2 | 51380001 | 51385000 | 1.06E-07 |
| chr2 | 51398001 | 51403000 | 0.000497495 |
| chr2 | 51526001 | 51531000 | 2.32E-05 |
| chr2 | 51527001 | 51532000 | 0.000402557 |
| chr2 | 51528001 | 51533000 | 0.00830056 |
| chr2 | 51572001 | 51577000 | 4.67E-13 |
| chr2 | 51573001 | 51578000 | 7.46E-17 |
| chr2 | 51574001 | 51579000 | 8.21E-15 |
| chr2 | 51575001 | 51580000 | 2.16E-15 |
| chr2 | 51603001 | 51608000 | 0.00063025 |
| chr2 | 51604001 | 51609000 | 0.011334489 |
| chr2 | 51653001 | 51658000 | 5.81E-05 |
| chr2 | 51659001 | 51664000 | 1.55E-06 |
| chr2 | 51715001 | 51720000 | 0.001894003 |
| chr2 | 52040001 | 52045000 | 0.014158049 |
| chr2 | 52041001 | 52046000 | 0.00743613 |
| chr2 | 52042001 | 52047000 | 0.008678603 |
| chr2 | 52044001 | 52049000 | 0.070381243 |
| chr2 | 52050001 | 52055000 | 0.001653826 |
| chr2 | 52051001 | 52056000 | 4.85E-06 |
| chr2 | 52104001 | 52109000 | 0.018529556 |
| chr2 | 52107001 | 52112000 | 8.18E-05 |
| chr2 | 52167001 | 52172000 | 0.002441704 |
| chr2 | 52168001 | 52173000 | 0.004215512 |
| chr2 | 52256001 | 52261000 | 0.0360189402 |
| chr2 | 52257001 | 52262000 | 0.010303673 |
| chr2 | 52272001 | 52277000 | 3.69E-05 |
| chr2 | 52315001 | 52320000 | 0.0009122 |
| chr2 | 52503001 | 52508000 | 1.71E-05 |
| chr2 | 52504001  | 52509000  | 7.58E-06 |
|------|-----------|-----------|----------|
| chr2 | 52505001  | 52510000  | 8.03E-05 |
| chr2 | 52506001  | 52511000  | 5.66E-05 |
| chr2 | 52555001  | 52560000  | 0.001481482 |
| chr2 | 52600001  | 52605000  | 1.73E-06 |
| chr2 | 52640001  | 52645000  | 0.000362245 |
| chr2 | 52641001  | 52646000  | 0.000683798 |
| chr2 | 52666001  | 52671000  | 4.23E-08 |
| chr2 | 52667001  | 52672000  | 1.73E-05 |
| chr2 | 52723001  | 52728000  | 2.26E-05 |
| chr2 | 52724001  | 52729000  | 8.18E-05 |
| chr2 | 52725001  | 52730000  | 0.002477624 |
| chr2 | 52789001  | 52794000  | 4.63E-05 |
| chr2 | 52790001  | 52795000  | 6.47E-05 |
| chr2 | 52972001  | 52977000  | 0.001042125 |
| chr2 | 52973001  | 52978000  | 0.001452085 |
| chr2 | 52974001  | 52979000  | 0.000762787 |
| chr2 | 53061001  | 53066000  | 0.002814223 |
| chr2 | 53067001  | 53072000  | 0.000428847 |
| chr2 | 53193001  | 53198000  | 1.23E-08 |
| chr2 | 53194001  | 53199000  | 1.62E-08 |
| chr2 | 53455001  | 53460000  | 4.01E-25 |
| chr2 | 53456001  | 53461000  | 6.08E-25 |
| chr2 | 53457001  | 53462000  | 7.82E-25 |
| chr2 | 53530001  | 53535000  | 3.08E-15 |
| chr2 | 53531001  | 53536000  | 3.16E-17 |
| chr2 | 53532001  | 53537000  | 1.09E-08 |
| chr2 | 53548001  | 53553000  | 4.52E-12 |
| chr2 | 53564001  | 53569000  | 1.68E-33 |
| chr2 | 53565001  | 53570000  | 1.06E-39 |
| chr2 | 53566001  | 53571000  | 2.05E-34 |
| chr2 | 53567001  | 53572000  | 1.45E-33 |
| chr2 | 53568001  | 53573000  | 2.98E-26 |
| chr2 | 53569001  | 53574000  | 3.58E-19 |
| chr2 | 53585001  | 53590000  | 1.41E-20 |
| chr2 | 53586001  | 53591000  | 4.59E-18 |
| chr2 | 53587001  | 53592000  | 3.20E-12 |
| chr2 | 53594001  | 53599000  | 2.98E-19 |
| chr2 | 54277001  | 54282000  | 2.59E-06 |
| chr2 | 54278001  | 54283000  | 1.80E-06 |
| chr2 | 54430001  | 54435000  | 1.04E-07 |
| chr2 | 54431001  | 54436000  | 1.30E-09 |
| chr2 | 54591001  | 54596000  | 0.000742937 |
| chr2 | 54631001  | 54636000  | 9.55E-12 |
| chr2 | 54632001  | 54637000  | 4.53E-11 |
| chr2 | 54633001  | 54638000  | 5.75E-18 |
| chr2 | 54634001  | 54639000  | 1.02E-15 |
| chr2 | 54688001  | 54693000  | 1.10E-10 |
| chr2 | 54689001 | 54694000 | 8.85E-07 |
| chr2 | 54690001 | 54695000 | 6.86E-15 |
| chr2 | 54691001 | 54696000 | 9.69E-08 |
| chr2 | 54899001 | 54904000 | 1.75E-23 |
| chr2 | 54900001 | 54905000 | 1.82E-22 |
| chr2 | 55846001 | 55851000 | 1.24E-17 |
| chr2 | 55997001 | 56002000 | 3.26E-12 |
| chr2 | 55998001 | 56003000 | 1.45E-11 |
| chr2 | 56128001 | 56133000 | 6.86E-15 |
| chr2 | 56128001 | 56133000 | 9.69E-08 |
| chr2 | 56298001 | 56303000 | 1.75E-23 |
| chr2 | 56298001 | 56303000 | 1.82E-22 |
| chr2 | 56469001 | 56474000 | 9.69E-08 |
| chr2 | 56469001 | 56474000 | 1.45E-11 |
| chr2 | 56515001 | 56520000 | 3.26E-12 |
| chr2 | 56515001 | 56520000 | 1.45E-11 |
| chr2 | 56913001 | 56918000 | 6.86E-15 |
| chr2 | 56913001 | 56918000 | 9.69E-08 |
| chr2 | 56942001 | 56947000 | 1.75E-23 |
| chr2 | 56942001 | 56947000 | 1.82E-22 |
| chr2 | 56977001 | 56982000 | 2.97E-09 |
| chr2 | 56977001 | 56982000 | 0.00164818 |
| chr2 | 56978001 | 56983000 | 0.002174394 |
| chr2 | 56979001 | 56984000 | 0.003045793 |
| chr2 | 57010001 | 57015000 | 0.000869925 |
| chr2 | 57011001 | 57016000 | 0.000291689 |
| chr2 | 57025001 | 57030000 | 0.00016614 |
| chr2 | 57025001 | 57030000 | 0.000645162 |
| chr2 | 57026001 | 57031000 | 0.000476653 |
| chr2 | 57026001 | 57031000 | 0.000230729 |
| chr2 | 57029001 | 57034000 | 0.003045793 |
| chr2 | 57029001 | 57034000 | 0.00016614 |
| chr2 | 57030001 | 57035000 | 0.000645162 |
| chr2 | 57031001 | 57036000 | 0.00016614 |
| chr2 | 57031001 | 57036000 | 0.000645162 |
| chr2 | 57032001 | 57037000 | 0.00016614 |
| chr2 | 57032001 | 57037000 | 0.000645162 |
| chr2 | 57033001 | 57038000 | 0.00016614 |
| chr2 | 57033001 | 57038000 | 0.000645162 |
| chr2 | 57034001 | 57039000 | 0.00016614 |
| chr2 | 57034001 | 57039000 | 0.000645162 |
| chr2 | 57035001 | 57040000 | 0.00016614 |
| chr2 | 57035001 | 57040000 | 0.000645162 |
| chr2 | 57040001 | 57045000 | 0.00016614 |
| chr2 | 57040001 | 57045000 | 0.000645162 |
| chr2 | 57045001 | 57050000 | 0.00016614 |
| chr2 | 57045001 | 57050000 | 0.000645162 |
| chr2 | 57050001 | 57055000 | 0.00016614 |
| chr2 | 57050001 | 57055000 | 0.000645162 |
| chr2 | 57055001 | 57060000 | 0.00016614 |
| chr2 | 57055001 | 57060000 | 0.000645162 |
| chr2 | 57060001 | 57065000 | 0.00016614 |
| chr2 | 57060001 | 57065000 | 0.000645162 |
| chr2 | 57065001 | 57070000 | 0.00016614 |
| chr2 | 57065001 | 57070000 | 0.000645162 |
| chr2 | 57070001 | 57075000 | 0.00016614 |
| chr2 | 57070001 | 57075000 | 0.000645162 |
| chr2 | 57075001 | 57080000 | 0.00016614 |
| chr2 | 57075001 | 57080000 | 0.000645162 |
| chr2 | 57080001 | 57085000 | 0.00016614 |
| chr2 | 57080001 | 57085000 | 0.000645162 |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr2       | 58657001 | 58662000 | 1.64E-05 |
| chr2       | 58658001 | 58663000 | 2.04E-05 |
| chr2       | 58659001 | 58664000 | 0.003200003 |
| chr2       | 58689001 | 58694000 | 5.87E-10 |
| chr2       | 58888001 | 58893000 | 0.003600051 |
| chr2       | 58925001 | 58930000 | 0.000389865 |
| chr2       | 58926001 | 58931000 | 0.000914204 |
| chr2       | 58974001 | 58979000 | 0.000912302 |
| chr2       | 58999001 | 59004000 | 2.95E-05 |
| chr2       | 59000001 | 59005000 | 0.000109784 |
| chr2       | 59001001 | 59006000 | 0.002006611 |
| chr2       | 59002001 | 59007000 | 0.001258574 |
| chr2       | 59056001 | 59061000 | 0.003490147 |
| chr2       | 59073001 | 59078000 | 1.82E-05 |
| chr2       | 59134001 | 59139000 | 7.32E-05 |
| chr2       | 59216001 | 59221000 | 3.03E-06 |
| chr2       | 59229001 | 59234000 | 0.000287438 |
| chr2       | 59230001 | 59235000 | 0.000146809 |
| chr2       | 59320001 | 59325000 | 3.81E-07 |
| chr2       | 59460001 | 59465000 | 1.64E-06 |
| chr2       | 59462001 | 59467000 | 1.77E-06 |
| chr2       | 59463001 | 59468000 | 1.13E-07 |
| chr2       | 59617001 | 59622000 | 0.017671493 |
| chr2       | 59820001 | 59825000 | 0.00050879 |
| chr2       | 59878001 | 59883000 | 0.00302923 |
| chr2       | 61873001 | 61878000 | 7.0E-05 |
| chr2       | 61986001 | 61991000 | 5.54E-17 |
| chr2       | 62793001 | 62798000 | 1.11E-07 |
| chr2       | 63967001 | 63972000 | 0.000627732 |
| chr2       | 63968001 | 63973000 | 0.00236206 |
| chr2       | 64339001 | 64344000 | 6.16E-05 |
| chr2       | 64439001 | 64444000 | 1.67E-07 |
| chr2       | 64440001 | 64445000 | 1.32E-08 |
| chr2       | 65876001 | 65881000 | 0.000995646 |
| chr2       | 66225001 | 66230000 | 0.005797017 |
| chr2       | 66286001 | 66291000 | 0.000588066 |
| chr2       | 67178001 | 67183000 | 0.004798427 |
| chr2       | 67347001 | 67352000 | 1.75E-05 |
| chr2       | 67371001 | 67376000 | 0.000186439 |
| chr2       | 67372001 | 67377000 | 0.000250461 |
| chr2       | 67405001 | 67410000 | 0.000120032 |
| chr2       | 67406001 | 67411000 | 0.000107285 |
| chr2       | 67843001 | 67848000 | 0.006343347 |
| chr2       | 67867001 | 67872000 | 5.98E-05 |
| chr2       | 68473001 | 68478000 | 3.44E-24 |
| chr2       | 68495001 | 68500000 | 1.41E-10 |
| chr2       | 68830001 | 68835000 | 1.60E-05 |
| chr2       | 68857001 | 68862000 | 0.001138916 |
| chr2 |       |       |          |
|------|-------|-------|----------|
|      | 68894001 | 68899000 | 0.000480183 |
|      | 68977001 | 68982000 | 9.80E-20    |
|      | 70026001 | 70031000 | 1.42E-07    |
|      | 70348001 | 70353000 | 4.29E-19    |
|      | 70349001 | 70354000 | 1.86E-12    |
|      | 70351001 | 70356000 | 6.27E-12    |
|      | 70352001 | 70357000 | 4.23E-28    |
|      | 71033001 | 71038000 | 2.02E-14    |
|      | 72047001 | 72052000 | 0.000720682 |
|      | 72306001 | 72311000 | 1.90E-11    |
|      | 72348001 | 72353000 | 4.22E-07    |
|      | 73163001 | 73168000 | 7.07E-16    |
|      | 73164001 | 73169000 | 3.12E-12    |
|      | 74913001 | 74918000 | 7.37E-09    |
|      | 74961001 | 74966000 | 1.19E-06    |
|      | 74962001 | 74967000 | 0.000111183 |
|      | 75123001 | 75128000 | 4.74E-08    |
|      | 75124001 | 75129000 | 6.31E-08    |
|      | 75304001 | 75309000 | 2.69E-08    |
|      | 75540001 | 75545000 | 0.000143256 |
|      | 75973001 | 75978000 | 0.001316305 |
|      | 75974001 | 75979000 | 0.00606499  |
|      | 75975001 | 75980000 | 0.003873174 |
|      | 75976001 | 75981000 | 0.000898043 |
|      | 75977001 | 75982000 | 0.000220155 |
|      | 76120001 | 76125000 | 7.37E-05    |
|      | 76121001 | 76126000 | 8.22E-07    |
|      | 76122001 | 76127000 | 9.57E-07    |
|      | 76123001 | 76128000 | 2.48E-05    |
|      | 76124001 | 76129000 | 0.00017398  |
|      | 76148001 | 76153000 | 0.0075407   |
|      | 76439001 | 76444000 | 1.66E-06    |
|      | 76440001 | 76445000 | 1.17E-05    |
|      | 76491001 | 76496000 | 6.32E-06    |
|      | 76492001 | 76497000 | 3.10E-06    |
|      | 76516001 | 76521000 | 5.48E-05    |
|      | 76539001 | 76544000 | 6.00E-08    |
|      | 76638001 | 76643000 | 1.44E-09    |
|      | 76639001 | 76644000 | 7.10E-08    |
|      | 76640001 | 76645000 | 8.43E-08    |
|      | 76689001 | 76694000 | 0.00889017  |
|      | 76701001 | 76706000 | 2.38E-06    |
|      | 76702001 | 76707000 | 6.11E-06    |
|      | 77013001 | 77018000 | 7.25E-05    |
|      | 77014001 | 77019000 | 0.000388108 |
|      | 77015001 | 77020000 | 0.000214182 |
|      | 77016001 | 77021000 | 3.36E-07    |
|      | 77434001 | 77439000 | 6.02E-05    |
| Chromosome | Start Position | End Position | P-value       |
|------------|----------------|--------------|---------------|
| chr2       | 77436001       | 77441000     | 0.000165961   |
| chr2       | 77437001       | 77442000     | 8.69E-05      |
| chr2       | 77577001       | 77582000     | 0.008165837   |
| chr2       | 77578001       | 77583000     | 0.001548046   |
| chr2       | 77589001       | 77594000     | 0.001002109   |
| chr2       | 77741001       | 77746000     | 8.69E-05      |
| chr2       | 77742001       | 77747000     | 0.0029399     |
| chr2       | 78027001       | 78032000     | 0.000275058   |
| chr2       | 78028001       | 78033000     | 0.000211542   |
| chr2       | 78086001       | 78091000     | 4.59E-13      |
| chr2       | 78510001       | 78515000     | 0.00030584    |
| chr2       | 78520001       | 78525000     | 0.000169373   |
| chr2       | 78530001       | 78535000     | 8.68E-05      |
| chr2       | 78540001       | 78545000     | 0.001366396   |
| chr2       | 78580001       | 78585000     | 6.56E-09      |
| chr2       | 78585001       | 78590000     | 8.95E-11      |
| chr2       | 78560001       | 78565000     | 1.04E-10      |
| chr2       | 78746001       | 78751000     | 9.12E-06      |
| chr2       | 78916001       | 78921000     | 0.014064074   |
| chr2       | 79109001       | 79114000     | 0.000176717   |
| chr2       | 79110001       | 79115000     | 7.10E-05      |
| chr2       | 79161001       | 79166000     | 2.74E-06      |
| chr2       | 79162001       | 79167000     | 9.28E-07      |
| chr2       | 79426001       | 79431000     | 0.000231316   |
| chr2       | 79427001       | 79432000     | 0.005306045   |
| chr2       | 79445001       | 79450000     | 6.91E-12      |
| chr2       | 79446001       | 79451000     | 8.78E-07      |
| chr2       | 79587001       | 79592000     | 0.012062125   |
| chr2       | 79788001       | 79793000     | 0.000647817   |
| chr2       | 79789001       | 79794000     | 0.000133345   |
| chr2       | 79790001       | 79795000     | 4.93E-05      |
| chr2       | 79873001       | 79878000     | 6.17E-08      |
| chr2       | 79874001       | 79879000     | 0.000108955   |
| chr2       | 79935001       | 79940000     | 9.13E-05      |
| chr2       | 79936001       | 79941000     | 2.45E-05      |
| chr2       | 79956001       | 79961000     | 0.000153587   |
| chr2       | 79960001       | 79965000     | 6.96E-05      |
| chr2       | 80029001       | 80034000     | 4.63E-07      |
| chr2       | 80035001       | 80040000     | 4.10E-06      |
| chr2       | 80031001       | 80036000     | 1.43E-10      |
| chr2       | 80040001       | 80045000     | 1.48E-06      |
| chr2       | 80096001       | 80101000     | 5.94E-06      |
| chr2       | 80132001       | 80137000     | 2.54E-15      |
| chr2       | 80208001       | 80213000     | 1.14E-07      |
| chr2       | 80256001       | 80261000     | 2.65E-06      |
| chr2       | 80257001       | 80262000     | 4.03E-05      |
| chr2       | 80399001       | 80404000     | 8.89E-06      |
| chr2       | 80433001       | 80438000     | 4.40E-07      |
| chr2       | 80672001       | 80677000     | 1.34E-05      |
| Chromosome Position | Start Position | End Position | Score |
|---------------------|----------------|--------------|-------|
| chr2               | 80673001       | 80678000     | 0.000412755 |
| chr2               | 80705001       | 80710000     | 0.003572116 |
| chr2               | 80722001       | 80727000     | 5.12E-05 |
| chr2               | 80723001       | 80728000     | 0.000117663 |
| chr2               | 80726001       | 80731000     | 0.001027319 |
| chr2               | 80836001       | 80841000     | 0.01688675 |
| chr2               | 80905001       | 80910000     | 2.84E-08 |
| chr2               | 80906001       | 80911000     | 4.84E-09 |
| chr2               | 80907001       | 80912000     | 1.25E-07 |
| chr2               | 80908001       | 80913000     | 7.75E-08 |
| chr2               | 80973001       | 80978000     | 0.001685839 |
| chr2               | 80975001       | 80980000     | 0.003071053 |
| chr2               | 81096001       | 81101000     | 0.000139436 |
| chr2               | 81217001       | 81222000     | 1.16E-07 |
| chr2               | 81390001       | 81395000     | 9.03E-05 |
| chr2               | 81697001       | 81702000     | 0.000573742 |
| chr2               | 81698001       | 81703000     | 0.000546763 |
| chr2               | 81699001       | 81704000     | 0.00030935 |
| chr2               | 82060001       | 82065000     | 1.42E-06 |
| chr2               | 82522001       | 82527000     | 0.000185255 |
| chr2               | 82845001       | 82850000     | 0.008617467 |
| chr2               | 82979001       | 82984000     | 8.78E-06 |
| chr2               | 82980001       | 82985000     | 4.98E-06 |
| chr2               | 82981001       | 82986000     | 9.98E-06 |
| chr2               | 83033001       | 83038000     | 0.000458727 |
| chr2               | 83058001       | 83063000     | 1.91E-06 |
| chr2               | 83084001       | 83089000     | 0.0001186144 |
| chr2               | 83116001       | 83121000     | 0.000171309 |
| chr2               | 83117001       | 83122000     | 0.000174691 |
| chr2               | 83154001       | 83159000     | 2.53E-05 |
| chr2               | 83184001       | 83189000     | 4.75E-11 |
| chr2               | 83246001       | 83251000     | 7.12E-05 |
| chr2               | 83247001       | 83252000     | 0.000447318 |
| chr2               | 83268001       | 83273000     | 4.44E-06 |
| chr2               | 83269001       | 83274000     | 8.08E-07 |
| chr2               | 83306001       | 83311000     | 2.19E-06 |
| chr2               | 83307001       | 83312000     | 2.07E-12 |
| chr2               | 83310001       | 83315000     | 1.56E-09 |
| chr2               | 83465001       | 83470000     | 1.23E-05 |
| chr2               | 83466001       | 83471000     | 1.41E-05 |
| chr2               | 83554001       | 83559000     | 0.000753738 |
| chr2               | 83555001       | 83560000     | 0.000179123 |
| chr2               | 83611001       | 83616000     | 0.002401507 |
| chr2               | 83612001       | 83617000     | 0.001696395 |
| chr2               | 83837001       | 83842000     | 0.000124139 |
| chr2               | 83866001       | 83871000     | 0.000300542 |
| chr2               | 84040001       | 84045000     | 0.018083384 |
| chr2               | 84345001       | 84350000     | 0.000828601 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr2       | 84364001       | 84369000     | 6.75E-05|
| chr2       | 84374001       | 84379000     | 5.39E-05|
| chr2       | 84375001       | 84380000     | 3.86E-06|
| chr2       | 84376001       | 84381000     | 9.45E-05|
| chr2       | 84377001       | 84382000     | 0.000572967|
| chr2       | 84389001       | 84394000     | 6.33E-07|
| chr2       | 84391001       | 84396000     | 0.000589983|
| chr2       | 84549001       | 84554000     | 7.62E-06|
| chr2       | 85200001       | 85205000     | 1.14E-15|
| chr2       | 86011001       | 86016000     | 1.93E-15|
| chr2       | 86170001       | 86175000     | 0.004260928|
| chr2       | 86707001       | 86712000     | 2.38E-15|
| chr2       | 86916001       | 86921000     | 4.62E-05|
| chr2       | 87377001       | 87382000     | 0.004587023|
| chr2       | 87395001       | 87400000     | 0.00011468|
| chr2       | 87461001       | 87466000     | 0.008657916|
| chr2       | 87745001       | 87750000     | 0.000151157|
| chr2       | 87746001       | 87751000     | 6.87E-06|
| chr2       | 88190001       | 88195000     | 0.009067912|
| chr2       | 88206001       | 88211000     | 0.000484177|
| chr2       | 88207001       | 88212000     | 0.00145914|
| chr2       | 89132001       | 89137000     | 0.000320596|
| chr2       | 89135001       | 89140000     | 5.79E-05|
| chr2       | 89136001       | 89141000     | 0.000662081|
| chr2       | 89154001       | 89159000     | 6.90E-14|
| chr2       | 89217001       | 89222000     | 7.11E-20|
| chr2       | 89272001       | 89277000     | 2.32E-07|
| chr2       | 89274001       | 89279000     | 5.90E-06|
| chr2       | 89381001       | 89386000     | 0.000116784|
| chr2       | 89383001       | 89388000     | 5.92E-06|
| chr2       | 89449001       | 89454000     | 0.000173598|
| chr2       | 89450001       | 89455000     | 7.63E-05|
| chr2       | 89496001       | 89501000     | 2.07E-05|
| chr2       | 89497001       | 89502000     | 5.11E-07|
| chr2       | 89912001       | 89917000     | 0.000266558|
| chr2       | 89913001       | 89918000     | 4.81E-05|
| chr2       | 89980001       | 89985000     | 0.017516186|
| chr2       | 90041001       | 90046000     | 0.001007403|
| chr2       | 90042001       | 90047000     | 6.96E-05|
| chr2       | 90043001       | 90048000     | 1.01E-05|
| chr2       | 90144001       | 90149000     | 4.08E-07|
| chr2       | 95341001       | 95346000     | 8.17E-05|
| chr2       | 95970001       | 95975000     | 8.83E-17|
| chr2       | 96252001       | 96257000     | 0.002544723|
| chr2       | 96438001       | 96443000     | 6.65E-07|
```
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr2       | 96721001 | 96726000 | 0.002938713 |
| chr2       | 96867001 | 96872000 | 6.70E-12 |
| chr2       | 97241001 | 97246000 | 0.000583498 |
| chr2       | 97591001 | 97596000 | 8.33E-11 |
| chr2       | 97592001 | 97597000 | 9.99E-11 |
| chr2       | 97593001 | 97598000 | 9.70E-11 |
| chr2       | 97972001 | 97977000 | 0.001954205 |
| chr2       | 98676001 | 98681000 | 0.001722272 |
| chr2       | 98677001 | 98682000 | 0.001073128 |
| chr2       | 99089001 | 99094000 | 1.38E-11 |
| chr2       | 99090001 | 99095000 | 1.49E-16 |
| chr2       | 99798001 | 99803000 | 5.43E-06 |
| chr2       | 99859001 | 99864000 | 1.89E-06 |
| chr2       | 99860001 | 99865000 | 2.30E-08 |
| chr2       | 100285001 | 100290000 | 5.28E-05 |
| chr2       | 100286001 | 100291000 | 1.52E-08 |
| chr2       | 101198001 | 101203000 | 0.00787564 |
| chr2       | 102190001 | 102195000 | 4.53E-06 |
| chr2       | 103402001 | 103407000 | 4.77E-09 |
| chr2       | 103706001 | 103711000 | 1.73E-05 |
| chr2       | 103712001 | 103717000 | 0.002412063 |
| chr2       | 104056001 | 104061000 | 2.54E-06 |
| chr2       | 104058001 | 104063000 | 1.27E-07 |
| chr2       | 104059001 | 104064000 | 4.77E-08 |
| chr2       | 104060001 | 104065000 | 1.68E-11 |
| chr2       | 104465001 | 104470000 | 3.27E-05 |
| chr2       | 104466001 | 104471000 | 0.00125646 |
| chr2       | 104467001 | 104472000 | 2.43E-05 |
| chr2       | 104772001 | 104777000 | 0.016202572 |
| chr2       | 104773001 | 104778000 | 0.015485399 |
| chr2       | 105084001 | 105089000 | 3.95E-07 |
| chr2       | 105105001 | 105110000 | 0.000155204 |
| chr2       | 105133001 | 105138000 | 6.28E-09 |
| chr2       | 105134001 | 105139000 | 1.46E-07 |
| chr2       | 105537001 | 105542000 | 0.002059851 |
| chr2       | 106747001 | 106752000 | 6.63E-08 |
| chr2       | 107222001 | 107227000 | 0.000535759 |
| chr2       | 107295001 | 107300000 | 0.019292039 |
| chr2       | 107296001 | 107301000 | 0.026685767 |
| chr2       | 107420001 | 107425000 | 7.88E-09 |
| chr2       | 107456001 | 107461000 | 8.52E-12 |
| chr2       | 107661001 | 107666000 | 0.002336184 |
| chr2       | 107750001 | 107755000 | 1.66E-06 |
| chr2       | 107751001 | 107756000 | 1.63E-07 |
| chr2       | 107752001 | 107757000 | 6.44E-06 |
| chr2       | 107894001 | 107899000 | 0.008615306 |
| chr2       | 108073001 | 108078000 | 5.58E-10 |
| chr2       | 108074001 | 108079000 | 2.46E-10 |
```
| Chr  | Start  | Stop  | Value       |
|------|--------|-------|-------------|
| chr2 | 108170001 | 108175000 | 0.006618823 |
| chr2 | 108231001 | 108236000 | 0.00309501  |
| chr2 | 108232001 | 108237000 | 0.002627714 |
| chr2 | 108292001 | 108297000 | 0.000747153 |
| chr2 | 108293001 | 108298000 | 0.001010333 |
| chr2 | 108356001 | 108361000 | 0.002253549 |
| chr2 | 108357001 | 108362000 | 0.003882316 |
| chr2 | 108358001 | 108363000 | 0.006911655 |
| chr2 | 108977001 | 108982000 | 0.000499695 |
| chr2 | 109208001 | 109213000 | 3.59E-09    |
| chr2 | 109249001 | 109254000 | 1.98E-07    |
| chr2 | 109250001 | 109255000 | 2.59E-09    |
| chr2 | 109717001 | 109722000 | 1.23E-06    |
| chr2 | 110849001 | 110854000 | 8.87E-07    |
| chr2 | 110850001 | 110855000 | 2.56E-05    |
| chr2 | 111105001 | 111110000 | 0.018186358 |
| chr2 | 111769001 | 111774000 | 0.000185981 |
| chr2 | 112315001 | 112320000 | 5.14E-06    |
| chr2 | 112316001 | 112321000 | 6.38E-06    |
| chr2 | 113921001 | 113926000 | 5.24E-05    |
| chr2 | 113922001 | 113927000 | 2.02E-05    |
| chr2 | 114447001 | 114452000 | 0.000368211 |
| chr2 | 114633001 | 114638000 | 5.72E-13    |
| chr2 | 114634001 | 114639000 | 3.12E-11    |
| chr2 | 114635001 | 114640000 | 6.53E-16    |
| chr2 | 114750001 | 114755000 | 0.000931088 |
| chr2 | 119463001 | 119468000 | 4.53E-06    |
| chr2 | 119845001 | 119850000 | 0.000351892 |
| chr2 | 119953001 | 119958000 | 4.97E-14    |
| chr2 | 119954001 | 119959000 | 2.08E-13    |
| chr2 | 119955001 | 119960000 | 3.58E-15    |
| chr2 | 120242001 | 120247000 | 1.87E-12    |
| chr2 | 120243001 | 120248000 | 2.35E-16    |
| chr2 | 120294001 | 120299000 | 4.45E-06    |
| chr2 | 120990001 | 120995000 | 3.33E-07    |
| chr2 | 121325001 | 121330000 | 4.12E-05    |
| chr2 | 122058001 | 122063000 | 5.01E-07    |
| chr2 | 122060001 | 122065000 | 1.59E-05    |
| chr2 | 122090001 | 122095000 | 3.58E-09    |
| chr2 | 123367001 | 123372000 | 0.003309602 |
| chr2 | 123368001 | 123373000 | 0.003067135 |
| chr2 | 123554001 | 123559000 | 4.57E-06    |
| chr2 | 123714001 | 123719000 | 2.11E-07    |
| chr2 | 124347001 | 124352000 | 0.000406861 |
| chr2 | 124427001 | 124432000 | 0.000121326 |
| chr2 | 124965001 | 124970000 | 0.000672401 |
| chr2 | 125098001 | 125103000 | 0.00134155  |
| chr2 | 125099001 | 125104000 | 0.000530638 |
| Chromosome | Start Position | End Position | Log10 P-Value |
|------------|----------------|--------------|---------------|
| chr2       | 132077001      | 132082000    | 4.18E-05      |
| chr2       | 132078001      | 132083000    | 3.18E-06      |
| chr2       | 132079001      | 132084000    | 7.21E-05      |
| chr2       | 132523001      | 132528000    | 3.94E-10      |
| chr2       | 132544001      | 132549000    | 2.70E-06      |
| chr2       | 132545001      | 132550000    | 2.88E-05      |
| chr2       | 132546001      | 132551000    | 6.86E-05      |
| chr2       | 132714001      | 132719000    | 0.00132083    |
| chr2       | 135692001      | 135697000    | 0.004976897   |
| chr2       | 135693001      | 135698000    | 1.35E-09      |
| chr2       | 136553001      | 136558000    | 0.00361303    |
| chr2       | 137269001      | 137274000    | 0.024858525   |
| chr2       | 137270001      | 137275000    | 0.00053837    |
| chr2       | 137338001      | 137343000    | 2.81E-06      |
| chr2       | 137339001      | 137344000    | 3.52E-13      |
| chr2       | 137340001      | 137345000    | 2.02E-15      |
| chr2       | 137341001      | 137346000    | 7.07E-16      |
| chr2       | 137342001      | 137347000    | 3.20E-13      |
| chr2       | 137343001      | 137348000    | 4.57E-12      |
| chr2       | 137754001      | 137759000    | 0.00145553    |
| chr2       | 137755001      | 137760000    | 0.00266635    |
| chr2       | 137929001      | 137934000    | 1.80E-06      |
| chr2       | 137930001      | 137935000    | 9.35E-06      |
| chr2       | 137931001      | 137936000    | 0.001588231   |
| chr2       | 137932001      | 137937000    | 0.002065502   |
| chr2       | 138159001      | 138164000    | 0.001558013   |
| chr2       | 139033001      | 139038000    | 4.51E-05      |
| chr2       | 139504001      | 139509000    | 1.24E-07      |
| chr2       | 139519001      | 139524000    | 0.000652378   |
| chr2       | 139628001      | 139633000    | 0.000218306   |
| chr2       | 139629001      | 139634000    | 8.35E-06      |
| chr2       | 139735001      | 139740000    | 1.07E-06      |
| chr2       | 139736001      | 139741000    | 6.55E-07      |
| chr2       | 139774001      | 139779000    | 2.42E-08      |
| chr2       | 139775001      | 139780000    | 1.69E-07      |
| chr2       | 139776001      | 139781000    | 0.001692643   |
| chr2       | 139786001      | 139791000    | 2.25E-05      |
| chr2       | 139787001      | 139792000    | 3.13E-06      |
| chr2       | 139788001      | 139793000    | 0.000227854   |
| chr2       | 139869001      | 139874000    | 3.27E-05      |
| chr2       | 139870001      | 139875000    | 9.66E-06      |
| chr2       | 139871001      | 139876000    | 2.86E-05      |
| chr2       | 139872001      | 139877000    | 4.79E-06      |
| chr2       | 139873001      | 139878000    | 1.82E-08      |
| chr2       | 140090001      | 140095000    | 0.002036559   |
| chr2       | 140235001      | 140240000    | 7.52E-06      |
| chr2       | 140243001      | 140248000    | 0.000778613   |
| chr2       | 140283001      | 140288000    | 0.002289136   |
| Chromosome | Start Position | End Position | P-value   |
|------------|----------------|--------------|-----------|
| chr2       | 140409001      | 140414000    | 0.000183757 |
| chr2       | 140411001      | 140416000    | 5.37E-05   |
| chr2       | 140412001      | 140417000    | 3.59E-05   |
| chr2       | 140413001      | 140418000    | 0.000101659 |
| chr2       | 140507001      | 140512000    | 7.30E-09   |
| chr2       | 140508001      | 140513000    | 5.80E-08   |
| chr2       | 140571001      | 140576000    | 6.08E-14   |
| chr2       | 140642001      | 140647000    | 1.05E-07   |
| chr2       | 140678001      | 140683000    | 6.57E-28   |
| chr2       | 140680001      | 140685000    | 1.81E-20   |
| chr2       | 140681001      | 140686000    | 5.38E-26   |
| chr2       | 140682001      | 140687000    | 5.32E-22   |
| chr2       | 140691001      | 140696000    | 1.98E-17   |
| chr2       | 141282001      | 141287000    | 0.004826139 |
| chr2       | 141418001      | 141423000    | 0.003243907 |
| chr2       | 141419001      | 141424000    | 0.001670887 |
| chr2       | 141871001      | 141876000    | 8.75E-06   |
| chr2       | 141881001      | 141886000    | 0.00321132 |
| chr2       | 141884001      | 141889000    | 0.001135179 |
| chr2       | 142298001      | 142303000    | 0.001430629 |
| chr2       | 142465001      | 142470000    | 0.001593722 |
| chr2       | 142466001      | 142471000    | 0.000168372 |
| chr2       | 142737001      | 142742000    | 0.000165623 |
| chr2       | 142738001      | 142743000    | 3.25E-05   |
| chr2       | 142831001      | 142836000    | 0.000219848 |
| chr2       | 143145001      | 143150000    | 1.98E-06   |
| chr2       | 143146001      | 143151000    | 9.41E-07   |
| chr2       | 143147001      | 143152000    | 9.31E-06   |
| chr2       | 143201001      | 143206000    | 5.45E-06   |
| chr2       | 143202001      | 143207000    | 2.41E-06   |
| chr2       | 143232001      | 143237000    | 1.14E-05   |
| chr2       | 143241001      | 143246000    | 0.002380474 |
| chr2       | 143270001      | 143275000    | 3.59E-08   |
| chr2       | 143271001      | 143276000    | 2.41E-05   |
| chr2       | 143272001      | 143277000    | 4.64E-05   |
| chr2       | 143628001      | 143633000    | 2.31E-09   |
| chr2       | 143630001      | 143635000    | 9.86E-06   |
| chr2       | 143631001      | 143636000    | 1.24E-08   |
| chr2       | 143632001      | 143637000    | 2.29E-09   |
| chr2       | 143940001      | 143945000    | 2.49E-09   |
| chr2       | 144089001      | 144094000    | 4.22E-05   |
| chr2       | 144090001      | 144095000    | 1.12E-06   |
| chr2       | 144236001      | 144241000    | 0.001357955 |
| chr2       | 144237001      | 144242000    | 9.16E-05   |
| chr2       | 144238001      | 144243000    | 0.00010179 |
| chr2       | 144306001      | 144311000    | 0.000386674 |
| chr2       | 144307001      | 144312000    | 0.000268672 |
| chr2       | 144309001      | 144314000    | 0.000685258 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr2       | 144512001      | 144517000    | 2.96E-05 |
| chr2       | 145156001      | 145161000    | 1.55E-06 |
| chr2       | 145363001      | 145368000    | 2.17E-06 |
| chr2       | 145364001      | 145369000    | 1.36E-06 |
| chr2       | 145457001      | 145462000    | 0.000472189 |
| chr2       | 145511001      | 145516000    | 0.001582407 |
| chr2       | 145512001      | 145517000    | 0.002031671 |
| chr2       | 145536001      | 145541000    | 5.15E-05 |
| chr2       | 145821001      | 145826000    | 0.001563657 |
| chr2       | 145822001      | 145827000    | 0.001529933 |
| chr2       | 145863001      | 145868000    | 7.45E-08 |
| chr2       | 145864001      | 145869000    | 1.78E-08 |
| chr2       | 145865001      | 145870000    | 1.74E-08 |
| chr2       | 145866001      | 145871000    | 5.00E-08 |
| chr2       | 145938001      | 145943000    | 0.000642536 |
| chr2       | 145939001      | 145944000    | 0.003314461 |
| chr2       | 146319001      | 146324000    | 0.014678812 |
| chr2       | 146821001      | 146826000    | 0.000334293 |
| chr2       | 146822001      | 146827000    | 3.51E-07 |
| chr2       | 146920001      | 146925000    | 0.000655443 |
| chr2       | 146921001      | 146926000    | 3.84E-05 |
| chr2       | 146946001      | 146951000    | 0.000600523 |
| chr2       | 149358001      | 149363000    | 1.60E-05 |
| chr2       | 149552001      | 149557000    | 7.93E-07 |
| chr2       | 149650001      | 149655000    | 0.000483897 |
| chr2       | 149845001      | 149850000    | 1.29E-10 |
| chr2       | 150273001      | 150278000    | 7.42E-10 |
| chr2       | 150530001      | 150535000    | 4.44E-05 |
| chr2       | 150621001      | 150626000    | 0.001246631 |
| chr2       | 150640001      | 150645000    | 5.07E-08 |
| chr2       | 150641001      | 150646000    | 8.36E-11 |
| chr2       | 150717001      | 150722000    | 0.000367015 |
| chr2       | 151135001      | 151140000    | 1.26E-05 |
| Chromosome | Start Position | End Position | Score  |
|------------|----------------|--------------|--------|
| chr2       | 159948001      | 159953000    | 1.62E-14 |
| chr2       | 160649001      | 160654000    | 1.23E-10 |
| chr2       | 160866001      | 160871000    | 4.11E-06 |
| chr2       | 160868001      | 160873000    | 1.59E-05 |
| chr2       | 160869001      | 160874000    | 3.02E-05 |
| chr2       | 161054001      | 161059000    | 0.005384153 |
| chr2       | 161055001      | 161060000    | 0.000153214 |
| chr2       | 161290001      | 161295000    | 4.88E-05 |
| chr2       | 161436001      | 161441000    | 0.000324569 |
| chr2       | 161437001      | 161442000    | 0.000108967 |
| chr2       | 161666001      | 161671000    | 0.00017057 |
| chr2       | 161667001      | 161672000    | 0.000322527 |
| chr2       | 161849001      | 161854000    | 1.35E-07 |
| chr2       | 162326001      | 162331000    | 7.36E-06 |
| chr2       | 162327001      | 162332000    | 6.46E-05 |
| chr2       | 162413001      | 162418000    | 0.001861341 |
| chr2       | 162839001      | 162844000    | 8.77E-05 |
| chr2       | 163248001      | 163253000    | 0.017922332 |
| chr2       | 163460001      | 163465000    | 0.000320801 |
| chr2       | 163515001      | 163520000    | 0.000122813 |
| chr2       | 163516001      | 163521000    | 0.000125116 |
| chr2       | 163517001      | 163522000    | 7.05E-05 |
| chr2       | 163737001      | 163742000    | 6.42E-05 |
| chr2       | 163799001      | 163804000    | 0.005863314 |
| chr2       | 163982001      | 163987000    | 0.000881274 |
| chr2       | 164113001      | 164118000    | 4.12E-05 |
| chr2       | 164115001      | 164120000    | 4.47E-05 |
| chr2       | 164129001      | 164134000    | 0.000149288 |
| chr2       | 164240001      | 164245000    | 6.57E-05 |
| chr2       | 164261001      | 164266000    | 5.86E-11 |
| chr2       | 164366001      | 164371000    | 5.69E-05 |
| chr2       | 164393001      | 164398000    | 0.000438978 |
| chr2       | 164485001      | 164490000    | 4.46E-06 |
| chr2       | 164486001      | 164491000    | 2.19E-06 |
| chr2       | 164487001      | 164492000    | 9.59E-06 |
| chr2       | 164507001      | 164512000    | 1.12E-09 |
| chr2       | 164508001      | 164513000    | 6.10E-07 |
| chr2       | 164509001      | 164514000    | 0.005748893 |
| chr2       | 164510001      | 164515000    | 0.003056692 |
| chr2       | 164511001      | 164516000    | 2.92E-05 |
| chr2       | 164512001      | 164517000    | 0.000862505 |
| chr2       | 164753001      | 164758000    | 0.001381248 |
| chr2       | 164754001      | 164759000    | 0.001747276 |
| chr2       | 164813001      | 164818000    | 4.05E-10 |
| chr2       | 164917001      | 164922000    | 0.0003385 |
| chr2       | 164918001      | 164923000    | 0.006658273 |
| chr2       | 164919001      | 164924000    | 0.00244339 |
| chr2       | 166098001      | 166103000    | 0.000795354 |
| Chr | Start Position | End Position | P-Value |
|-----|----------------|--------------|---------|
| chr2 | 166179001 | 166184000 | 6.14E-13 |
| chr2 | 166550001 | 166555000 | 0.000753534 |
| chr2 | 166679001 | 166684000 | 0.000468737 |
| chr2 | 166680001 | 166685000 | 0.000297617 |
| chr2 | 166550001 | 166555000 | 0.000753534 |
| chr2 | 166551001 | 166556000 | 0.00102678 |
| chr2 | 166679001 | 166684000 | 0.000468737 |
| chr2 | 166680001 | 166685000 | 0.000297617 |
| chr2 | 170011001 | 170016000 | 0.000412635 |
| chr2 | 170227001 | 170232000 | 9.45E-08 |
| chr2 | 170228001 | 170233000 | 2.11E-05 |
| chr2 | 170515001 | 170520000 | 0.003479804 |
| chr2 | 170642001 | 170647000 | 7.31E-05 |
| chr2 | 170643001 | 170648000 | 1.80E-07 |
| chr2 | 171102001 | 171107000 | 0.000273242 |
| chr2 | 171278001 | 171283000 | 8.33E-07 |
| chr2 | 171280001 | 171285000 | 8.36E-11 |
| chr2 | 171633001 | 171638000 | 0.000199964 |
| chr2 | 172383001 | 172388000 | 7.13E-08 |
| chr2 | 172443001 | 172448000 | 0.000124154 |
| chr2 | 172444001 | 172449000 | 1.11E-08 |
| chr2 | 172445001 | 172450000 | 0.001403727 |
| chr2 | 172454001 | 172459000 | 5.53E-06 |
| chr2 | 172455001 | 172460000 | 4.45E-06 |
| chr2 | 172456001 | 172461000 | 4.64E-05 |
| chr2 | 172873001 | 172878000 | 6.69E-10 |
| chr2 | 172754001 | 172759000 | 4.71E-10 |
| chr2 | 173004001 | 173009000 | 0.003186726 |
| chr2 | 173792001 | 173797000 | 2.10E-07 |
| chr2 | 173793001 | 173798000 | 0.000644895 |
| chr2 | 173794001 | 173799000 | 8.95E-05 |
| chr2 | 173795001 | 173800000 | 5.44E-10 |
| chr2 | 173796001 | 173801000 | 5.52E-07 |
| chr2 | 174322001 | 174327000 | 2.34E-11 |
| chr2 | 175210001 | 175215000 | 0.000126089 |
| chr2 | 176229001 | 176234000 | 0.002548606 |
| chr2 | 176233001 | 176238000 | 0.000223846 |
| chr2 | 176767001 | 176772000 | 0.000203367 |
| chr2 | 177352001 | 177357000 | 4.39E-12 |
| chr2 | 177353001 | 177358000 | 5.41E-15 |
| chr2 | 177354001 | 177359000 | 4.79E-15 |
| chr2 | 177445001 | 177450000 | 4.90E-05 |
| chr2 | 177448001 | 177453000 | 0.004720573 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr2       | 177516000      | 177521000    | 0.000409125 |
| chr2       | 177721000      | 177726000    | 1.52E-05   |
| chr2       | 177920000      | 177925000    | 1.82E-10   |
| chr2       | 178178000      | 178183000    | 0.000131605 |
| chr2       | 178214000      | 178219000    | 1.68E-07   |
| chr2       | 178604000      | 178609000    | 0.000333283 |
| chr2       | 178703000      | 178708000    | 4.78E-06   |
| chr2       | 178733000      | 178738000    | 0.000446308 |
| chr2       | 178734000      | 178739000    | 0.000754751 |
| chr2       | 178744000      | 178749000    | 0.002212904 |
| chr2       | 178745000      | 178750000    | 0.000558794 |
| chr2       | 178870000      | 178892000    | 0.000287231 |
| chr2       | 178890000      | 178895000    | 1.03E-05   |
| chr2       | 179184000      | 179189000    | 1.52E-05   |
| chr2       | 179651000      | 179656000    | 0.004858807 |
| chr2       | 179652000      | 179657000    | 0.004848891 |
| chr2       | 180174000      | 180179000    | 4.20E-05   |
| chr2       | 180195000      | 180200000    | 0.011277744 |
| chr2       | 180197000      | 180202000    | 0.000284125 |
| chr2       | 180198000      | 180203000    | 3.59E-09   |
| chr2       | 180274000      | 180279000    | 0.007305856 |
| chr2       | 180361000      | 180366000    | 0.000442019 |
| chr2       | 180362000      | 180367000    | 0.016362913 |
| chr2       | 180363000      | 180368000    | 0.004917399 |
| chr2       | 180442000      | 180447000    | 5.72E-05   |
| chr2       | 180501000      | 180506000    | 0.004080058 |
| chr2       | 180899000      | 180904000    | 0.003074972 |
| chr2       | 180957000      | 180962000    | 0.001098506 |
| chr2       | 180959000      | 180964000    | 0.001306062 |
| chr2       | 180960000      | 180965000    | 0.001267284 |
| chr2       | 180968000      | 180973000    | 0.003523891 |
| chr2       | 181291000      | 181296000    | 0.000141458 |
| chr2       | 181292000      | 181297000    | 0.000283442 |
| chr2       | 181358000      | 181363000    | 2.00E-05   |
| chr2       | 181462000      | 181467000    | 6.67E-05   |
| chr2       | 181464000      | 181469000    | 6.51E-06   |
| chr2       | 181551000      | 181556000    | 0.00020258  |
| chr2       | 181552000      | 181557000    | 1.23E-07   |
| chr2       | 181709000      | 181714000    | 0.000279687 |
| chr2       | 181738000      | 181743000    | 0.000155763 |
| chr2       | 181739000      | 181744000    | 0.018549846 |
| chr2       | 181778000      | 181783000    | 5.28E-05   |
| chr2       | 181816000      | 181821000    | 0.001004844 |
| chr2       | 181817000      | 181822000    | 0.001083751 |
| chr2       | 182039000      | 182044000    | 2.07E-05   |
| chr2       | 182137000      | 182142000    | 0.000282425 |
| chr2       | 182534000      | 182539000    | 0.006396074 |
| chr2       | 182535000      | 182540000    | 0.004794547 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr2       | 182605001      | 182610000    | 0.000115071 |
| chr2       | 182671001      | 182676000    | 0.001157427 |
| chr2       | 183115001      | 183120000    | 0.00310253 |
| chr2       | 183363001      | 183368000    | 3.45E-06 |
| chr2       | 183393001      | 183398000    | 3.49E-05 |
| chr2       | 183394001      | 183399000    | 0.000779752 |
| chr2       | 183467001      | 183472000    | 0.00567477 |
| chr2       | 183478001      | 183483000    | 0.02535692 |
| chr2       | 183479001      | 183484000    | 0.006120076 |
| chr2       | 183480001      | 183485000    | 0.008586616 |
| chr2       | 183534001      | 183539000    | 2.49E-11 |
| chr2       | 183535001      | 183540000    | 9.74E-11 |
| chr2       | 184136001      | 184141000    | 0.003358654 |
| chr2       | 184383001      | 184388000    | 0.01169373 |
| chr2       | 184559001      | 184564000    | 0.00132609 |
| chr2       | 184560001      | 184565000    | 7.75E-05 |
| chr2       | 184561001      | 184566000    | 0.003044847 |
| chr2       | 184944001      | 184949000    | 1.52E-05 |
| chr2       | 184978001      | 184983000    | 3.09E-11 |
| chr2       | 184979001      | 184984000    | 3.02E-09 |
| chr2       | 184980001      | 184985000    | 8.37E-09 |
| chr2       | 184989001      | 184994000    | 0.012332084 |
| chr2       | 185293001      | 185298000    | 0.000671791 |
| chr2       | 185384001      | 185389000    | 8.41E-06 |
| chr2       | 185385001      | 185390000    | 1.80E-07 |
| chr2       | 185472001      | 185477000    | 0.001009491 |
| chr2       | 185784001      | 185789000    | 2.38E-05 |
| chr2       | 186050001      | 186055000    | 0.000175773 |
| chr2       | 186127001      | 186132000    | 0.000763914 |
| chr2       | 186220001      | 186225000    | 6.29E-10 |
| chr2       | 186317001      | 186322000    | 0.0068465 |
| chr2       | 186426001      | 186431000    | 0.000933736 |
| chr2       | 186427001      | 186432000    | 0.002450185 |
| chr2       | 186817001      | 186822000    | 0.000576882 |
| chr2       | 186967001      | 186972000    | 2.41E-05 |
| chr2       | 186968001      | 186973000    | 7.38E-07 |
| chr2       | 187352001      | 187357000    | 0.002154889 |
| chr2       | 187571001      | 187576000    | 0.000616163 |
| chr2       | 187636001      | 187641000    | 1.38E-07 |
| chr2       | 187637001      | 187642000    | 1.13E-09 |
| chr2       | 187723001      | 187728000    | 2.92E-06 |
| chr2       | 187986001      | 187991000    | 5.57E-05 |
| chr2       | 188323001      | 188328000    | 1.03E-07 |
| chr2       | 188353001      | 188358000    | 9.09E-05 |
| chr2       | 188374001      | 188379000    | 3.84E-13 |
| chr2       | 188416001      | 188421000    | 7.11E-19 |
| chr2       | 188417001      | 188422000    | 1.46E-36 |
| Chromosome | Start Position | End Position | P-value          |
|------------|----------------|--------------|-----------------|
| chr2       | 188418001      | 188423000    | 1.88E-27        |
| chr2       | 188719001      | 188724000    | 0.001472219     |
| chr2       | 188720001      | 188725000    | 0.002954861     |
| chr2       | 188809001      | 188814000    | 6.33E-08        |
| chr2       | 189095001      | 189100000    | 1.08E-05        |
| chr2       | 189106001      | 189111000    | 0.005037384     |
| chr2       | 189187001      | 189192000    | 0.005830845     |
| chr2       | 189201001      | 189206000    | 3.40E-05        |
| chr2       | 189247001      | 189252000    | 1.08E-05        |
| chr2       | 189248001      | 189253000    | 1.48E-05        |
| chr2       | 189572001      | 189577000    | 1.45E-05        |
| chr2       | 189573001      | 189578000    | 5.68E-06        |
| chr2       | 189661001      | 189666000    | 1.10E-05        |
| chr2       | 189662001      | 189667000    | 2.02E-05        |
| chr2       | 189663001      | 189668000    | 4.91E-07        |
| chr2       | 189664001      | 189669000    | 3.64E-05        |
| chr2       | 189724001      | 189729000    | 9.52E-06        |
| chr2       | 189836001      | 189841000    | 0.005845689     |
| chr2       | 189837001      | 189842000    | 0.003802585     |
| chr2       | 190252001      | 190257000    | 0.003957248     |
| chr2       | 190254001      | 190259000    | 0.004442327     |
| chr2       | 190817001      | 190822000    | 0.000240001     |
| chr2       | 190818001      | 190823000    | 3.50E-06        |
| chr2       | 190819001      | 190824000    | 6.63E-06        |
| chr2       | 190850001      | 190855000    | 0.017313144     |
| chr2       | 190945001      | 190950000    | 1.60E-05        |
| chr2       | 191406001      | 191411000    | 0.004398239     |
| chr2       | 191891001      | 191896000    | 2.21E-05        |
| chr2       | 192342001      | 192347000    | 8.16E-11        |
| chr2       | 192343001      | 192348000    | 3.83E-09        |
| chr2       | 192344001      | 192349000    | 7.32E-10        |
| chr2       | 192345001      | 192350000    | 2.00E-05        |
| chr2       | 192346001      | 192351000    | 5.29E-05        |
| chr2       | 192378001      | 192383000    | 8.56E-09        |
| chr2       | 192379001      | 192384000    | 6.87E-07        |
| chr2       | 192743001      | 192748000    | 2.71E-08        |
| chr2       | 192744001      | 192749000    | 1.21E-07        |
| chr2       | 192791001      | 192796000    | 0.000147587     |
| chr2       | 192859001      | 192864000    | 0.000138803     |
| chr2       | 192933001      | 192938000    | 8.26E-05        |
| chr2       | 193112001      | 193117000    | 3.94E-05        |
| chr2       | 193454001      | 193459000    | 2.34E-05        |
| chr2       | 193455001      | 193460000    | 5.11E-06        |
| chr2       | 193456001      | 193461000    | 3.60E-05        |
| chr2       | 193501001      | 193506000    | 0.000916421     |
| chr2       | 193633001      | 193638000    | 1.36E-05        |
| chr2       | 193867001      | 193872000    | 0.00030315      |
| chr2       | 194211001      | 194216000    | 0.000287108     |
| Chr | Start | End   | Value       |
|-----|-------|-------|-------------|
| chr2| 194212001 | 194217000 | 0.000195555 |
| chr2| 194324001 | 194329000 | 3.45E-05    |
| chr2| 194326001 | 194331000 | 1.65E-07    |
| chr2| 194327001 | 194332000 | 1.56E-06    |
| chr2| 194328001 | 194333000 | 3.38E-05    |
| chr2| 194339001 | 194344000 | 4.88E-05    |
| chr2| 194340001 | 194345000 | 0.001945139 |
| chr2| 194341001 | 194346000 | 0.002542529 |
| chr2| 194342001 | 194347000 | 0.005320447 |
| chr2| 194343001 | 194348000 | 0.00303995  |
| chr2| 194344001 | 194349000 | 0.004167216 |
| chr2| 194389001 | 194394000 | 6.78E-06    |
| chr2| 194390001 | 194395000 | 4.58E-06    |
| chr2| 194584001 | 194589000 | 0.026509086 |
| chr2| 194795001 | 194800000 | 3.08E-05    |
| chr2| 195025001 | 195030000 | 3.10E-05    |
| chr2| 195136001 | 195141000 | 2.51E-05    |
| chr2| 195581001 | 195586000 | 0.000199669 |
| chr2| 195652001 | 195657000 | 1.81E-05    |
| chr2| 195839001 | 195844000 | 2.94E-05    |
| chr2| 196049001 | 196054000 | 0.000199111 |
| chr2| 196050001 | 196055000 | 0.00130026  |
| chr2| 196069001 | 196074000 | 0.026629074 |
| chr2| 196137001 | 196142000 | 0.000464155 |
| chr2| 196224001 | 196229000 | 0.007572752 |
| chr2| 196225001 | 196230000 | 0.011171025 |
| chr2| 196306001 | 196311000 | 0.005329166 |
| chr2| 196307001 | 196312000 | 0.005312684 |
| chr2| 196333001 | 196338000 | 1.39E-05    |
| chr2| 196939001 | 196944000 | 0.00309109  |
| chr2| 196940001 | 196945000 | 0.000641014 |
| chr2| 196943001 | 196948000 | 0.004167216 |
| chr2| 196965001 | 196970000 | 0.00026742  |
| chr2| 196966001 | 196971000 | 0.001194295 |
| chr2| 197029001 | 197034000 | 1.30E-05    |
| chr2| 197096001 | 197101000 | 1.02E-05    |
| chr2| 197372001 | 197377000 | 0.000568625 |
| chr2| 197373001 | 197378000 | 6.04E-06    |
| chr2| 197411001 | 197416000 | 0.000814522 |
| chr2| 197449001 | 197454000 | 0.002617559 |
| chr2| 197450001 | 197455000 | 0.00045394  |
| chr2| 198753001 | 198758000 | 0.003981675 |
| chr2| 198754001 | 198759000 | 0.007261613 |
| chr2| 199037001 | 199042000 | 5.27E-07    |
| chr2| 199038001 | 199043000 | 0.000195428 |
| chr2| 199078001 | 199083000 | 3.47E-06    |
| chr2| 199081001 | 199086000 | 1.28E-06    |
| chr2| 199082001 | 199087000 | 4.88E-06    |
| chr2 | 199138001 | 199143000 | 3.61E-05 |
|------|-----------|-----------|-----------|
| chr2 | 199139001 | 199144000 | 1.86E-05 |
| chr2 | 199140001 | 199145000 | 2.86E-05 |
| chr2 | 199429001 | 199434000 | 3.15E-05 |
| chr2 | 199431001 | 199436000 | 0.005076009 |
| chr2 | 199432001 | 199437000 | 0.006567577 |
| chr2 | 199520001 | 199525000 | 0.016375204 |
| chr2 | 199521001 | 199526000 | 0.023988838 |
| chr2 | 199949001 | 199954000 | 0.000214995 |
| chr2 | 200024001 | 200029000 | 2.56E-05 |
| chr2 | 200025001 | 200030000 | 6.32E-06 |
| chr2 | 200027001 | 200032000 | 1.12E-05 |
| chr2 | 200029001 | 200034000 | 5.31E-05 |
| chr2 | 200070001 | 200075000 | 3.77E-08 |
| chr2 | 200207001 | 200212000 | 0.00012475 |
| chr2 | 200209001 | 200214000 | 6.40E-08 |
| chr2 | 200210001 | 200215000 | 1.78E-08 |
| chr2 | 200213001 | 200218000 | 4.33E-05 |
| chr2 | 200790001 | 200795000 | 0.001671982 |
| chr2 | 200868001 | 200873000 | 0.001774595 |
| chr2 | 200886001 | 200891000 | 0.000394631 |
| chr2 | 202279001 | 202284000 | 1.73E-08 |
| chr2 | 202394001 | 202399000 | 7.21E-08 |
| chr2 | 202395001 | 202400000 | 3.14E-07 |
| chr2 | 203132001 | 203137000 | 9.86E-13 |
| chr2 | 203142001 | 203147000 | 3.00E-08 |
| chr2 | 203243001 | 203248000 | 1.25E-06 |
| chr2 | 204722001 | 204727000 | 1.59E-05 |
| chr2 | 205090001 | 205095000 | 1.39E-06 |
| chr2 | 205091001 | 205096000 | 1.27E-09 |
| chr2 | 205885001 | 205890000 | 1.56E-08 |
| chr2 | 207074001 | 207079000 | 9.50E-05 |
| chr2 | 207075001 | 207080000 | 2.26E-08 |
| chr2 | 207076001 | 207081000 | 1.12E-07 |
| chr2 | 207585001 | 207590000 | 0.000432352 |
| chr2 | 208311001 | 208316000 | 0.000861609 |
| chr2 | 208520001 | 208525000 | 1.92E-09 |
| chr2 | 208586001 | 208591000 | 7.80E-10 |
| chr2 | 208675001 | 208680000 | 1.63E-07 |
| chr2 | 209027001 | 209032000 | 3.03E-06 |
| chr2 | 209222001 | 209227000 | 5.80E-12 |
| chr2 | 209223001 | 209228000 | 2.48E-13 |
| chr2 | 209224001 | 209229000 | 1.51E-13 |
| chr2 | 209447001 | 209452000 | 0.001160396 |
| chr2 | 209448001 | 209453000 | 0.001532947 |
| chr2 | 209449001 | 209454000 | 2.63E-05 |
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chr2       | 209595001      | 209600000    | 4.93E-07 |
| chr2       | 209720001      | 209725000    | 0.000529002 |
| chr2       | 209721001      | 209726000    | 0.033941813 |
| chr2       | 209734001      | 209739000    | 0.005350236 |
| chr2       | 209830001      | 209835000    | 1.89E-06 |
| chr2       | 210069001      | 210074000    | 1.12E-13 |
| chr2       | 210070001      | 210075000    | 2.65E-25 |
| chr2       | 210071001      | 210076000    | 2.27E-22 |
| chr2       | 210072001      | 210077000    | 3.70E-18 |
| chr2       | 210073001      | 210078000    | 6.39E-16 |
| chr2       | 210074001      | 210079000    | 3.15E-09 |
| chr2       | 210200001      | 210205000    | 7.57E-06 |
| chr2       | 211093001      | 211098000    | 4.21E-08 |
| chr2       | 211094001      | 211099000    | 1.82E-06 |
| chr2       | 212071001      | 212076000    | 1.87E-06 |
| chr2       | 212096001      | 212101000    | 0.000622821 |
| chr2       | 212182001      | 212187000    | 0.004559048 |
| chr2       | 212183001      | 212188000    | 0.003820627 |
| chr2       | 212184001      | 212189000    | 0.00304894 |
| chr2       | 212219001      | 212224000    | 0.007974493 |
| chr2       | 212721001      | 212726000    | 5.07E-08 |
| chr2       | 212736001      | 212741000    | 0.002019967 |
| chr2       | 212854001      | 212859000    | 4.06E-05 |
| chr2       | 212855001      | 212860000    | 3.58E-05 |
| chr2       | 212975001      | 212980000    | 0.002625354 |
| chr2       | 213147001      | 213152000    | 3.53E-17 |
| chr2       | 213148001      | 213153000    | 4.04E-10 |
| chr2       | 213332001      | 213337000    | 0.001202716 |
| chr2       | 213473001      | 213478000    | 0.000331147 |
| chr2       | 213476001      | 213481000    | 0.000189842 |
| chr2       | 213574001      | 213579000    | 0.000462498 |
| chr2       | 213685001      | 213690000    | 0.02462858 |
| chr2       | 213908001      | 213913000    | 0.000289541 |
| chr2       | 214576001      | 214581000    | 4.55E-07 |
| chr2       | 214577001      | 214582000    | 4.07E-06 |
| chr2       | 214606001      | 214611000    | 8.74E-14 |
| chr2       | 214618001      | 214623000    | 0.000744615 |
| chr2       | 214621001      | 214626000    | 0.000363275 |
| chr2       | 214676001      | 214681000    | 9.73E-05 |
| chr2       | 214757001      | 214762000    | 0.005889216 |
| chr2       | 214783001      | 214788000    | 0.00019575 |
| chr2       | 214860001      | 214865000    | 0.00013526 |
| chr2       | 214905001      | 214910000    | 0.001701693 |
| chr2       | 214906001      | 214911000    | 0.000810917 |
| chr2       | 214907001      | 214912000    | 0.005078172 |
| chr2       | 214914001      | 214919000    | 4.99E-08 |
| chr2       | 214915001      | 214920000    | 2.99E-09 |
| chr2       | 215114001      | 215119000    | 5.61E-08 |
| Chr  | Start      | End        | p-value   |
|------|------------|------------|-----------|
| chr2 | 215115001  | 215120000  | 4.09E-07  |
| chr2 | 215116001  | 215121000  | 3.92E-06  |
| chr2 | 215328001  | 215333000  | 3.79E-05  |
| chr2 | 215368001  | 215373000  | 5.20E-11  |
| chr2 | 215369001  | 215374000  | 5.67E-11  |
| chr2 | 215400001  | 215405000  | 0.000129862|
| chr2 | 215745001  | 215750000  | 0.001238782|
| chr2 | 215746001  | 215751000  | 0.00197733|
| chr2 | 215772001  | 215777000  | 0.000984449|
| chr2 | 216000001  | 216005000  | 7.95E-08  |
| chr2 | 216001001  | 216006000  | 1.47E-07  |
| chr2 | 216303001  | 216308000  | 8.16E-06  |
| chr2 | 216469001  | 216474000  | 0.000757119|
| chr2 | 216487001  | 216492000  | 1.23E-05  |
| chr2 | 216590001  | 216595000  | 0.020969501|
| chr2 | 216592001  | 216597000  | 6.41E-06  |
| chr2 | 216593001  | 216598000  | 8.23E-06  |
| chr2 | 216594001  | 216599000  | 0.00020964|
| chr2 | 216595001  | 216600000  | 9.14E-05  |
| chr2 | 216758001  | 216763000  | 5.91E-16  |
| chr2 | 216759001  | 216764000  | 6.87E-13  |
| chr2 | 216783001  | 216788000  | 3.38E-09  |
| chr2 | 217135001  | 217140000  | 1.56E-08  |
| chr2 | 217813001  | 217818000  | 2.45E-06  |
| chr2 | 218040001  | 218045000  | 0.002359072|
| chr2 | 218041001  | 218046000  | 0.00056362|
| chr2 | 218155001  | 218160000  | 2.11E-05  |
| chr2 | 218244001  | 218249000  | 6.17E-09  |
| chr2 | 218245001  | 218250000  | 1.14E-06  |
| chr2 | 218530001  | 218535000  | 5.60E-05  |
| chr2 | 218532001  | 218537000  | 5.42E-06  |
| chr2 | 219094001  | 219099000  | 1.64E-06  |
| chr2 | 219237001  | 219242000  | 7.23E-07  |
| chr2 | 219294001  | 219299000  | 0.000695117|
| chr2 | 219461001  | 219466000  | 2.46E-05  |
| chr2 | 219642001  | 219647000  | 2.69E-15  |
| chr2 | 220463001  | 220468000  | 7.12E-11  |
| chr2 | 220523001  | 220528000  | 1.46E-07  |
| chr2 | 221082001  | 221087000  | 2.12E-08  |
| chr2 | 221084001  | 221089000  | 7.77E-05  |
| chr2 | 221881001  | 221886000  | 4.57E-07  |
| chr2 | 225302001  | 225307000  | 5.49E-16  |
| chr2 | 225567001  | 225572000  | 6.76E-08  |
| chr2 | 225568001  | 225573000  | 5.99E-07  |
| chr2 | 225808001  | 225813000  | 2.76E-08  |
| chr2 | 225810001  | 225815000  | 0.00836999|
| chr2 | 225816001  | 225821000  | 1.44E-05  |
| chr2 | 225844001  | 225849000  | 3.85E-12  |
| Chr    | Start  | End    | p-value  |
|--------|--------|--------|----------|
| chr2   | 225946001 | 225951000 | 1.53E-05 |
| chr2   | 226274001 | 226279000 | 8.46E-05 |
| chr2   | 226417001 | 226422000 | 1.73E-06 |
| chr2   | 226522001 | 226527000 | 0.00112409 |
| chr2   | 226533001 | 226538000 | 9.41E-05 |
| chr2   | 226601001 | 226606000 | 1.45E-07 |
| chr2   | 226604001 | 226609000 | 3.71E-14 |
| chr2   | 227155001 | 227160000 | 8.78E-06 |
| chr2   | 227156001 | 227161000 | 2.64E-05 |
| chr2   | 227157001 | 227162000 | 1.17E-06 |
| chr2   | 227221001 | 227226000 | 7.37E-06 |
| chr2   | 227267001 | 227272000 | 1.65E-08 |
| chr2   | 227684001 | 227689000 | 6.21E-06 |
| chr2   | 227685001 | 227690000 | 4.52E-06 |
| chr2   | 227686001 | 227691000 | 2.10E-05 |
| chr2   | 228056001 | 228061000 | 0.001274995 |
| chr2   | 228140001 | 228145000 | 7.37E-06 |
| chr2   | 228267001 | 228272000 | 1.65E-08 |
| chr2   | 228439001 | 228444000 | 0.000359774 |
| chr2   | 228440001 | 228445000 | 0.000749982 |
| chr2   | 228441001 | 228446000 | 6.87E-05 |
| chr2   | 228442001 | 228447000 | 0.000127093 |
| chr2   | 229078001 | 229083000 | 0.011642255 |
| chr2   | 229103001 | 229108000 | 0.000175127 |
| chr2   | 230585001 | 230590000 | 7.51E-05 |
| chr2   | 231425001 | 231430000 | 0.002580621 |
| chr2   | 232262001 | 232267000 | 2.27E-09 |
| chr2   | 232452001 | 232457000 | 3.44E-07 |
| chr2   | 232494001 | 232499000 | 1.05E-06 |
| chr2   | 232828001 | 232833000 | 8.33E-08 |
| chr2   | 233249001 | 233254000 | 3.54E-30 |
| chr2   | 233250001 | 233255000 | 5.59E-20 |
| chr2   | 234952001 | 234957000 | 0.001499382 |
| chr2   | 235037001 | 235042000 | 2.08E-06 |
| chr2   | 235597001 | 235602000 | 1.67E-07 |
| chr2   | 236498001 | 236503000 | 1.04E-08 |
| chr2   | 237804001 | 237809000 | 1.30E-05 |
| chr2   | 237805001 | 237810000 | 1.12E-08 |
| chr2   | 238195001 | 238200000 | 4.65E-16 |
| chr2   | 238715001 | 238720000 | 0.006643051 |
| chr2   | 239776001 | 239781000 | 2.05E-10 |
| chr2   | 239966001 | 239971000 | 1.03E-18 |
| chr2   | 240583001 | 240588000 | 2.94E-12 |
| chr2   | 240585001 | 240590000 | 1.92E-10 |
| chr2   | 240586001 | 240591000 | 1.66E-11 |
| chr2   | 240587001 | 240592000 | 6.85E-06 |
| chr2   | 241377001 | 241382000 | 2.12E-09 |
| Chr | Start | End   | Value         |
|-----|-------|-------|---------------|
| chr2| 242158001 | 242163000 | 3.60E-15     |
| chr2| 242330001 | 242335000 | 2.23E-11     |
| chr2| 242331001 | 242336000 | 5.70E-09     |
| chr2| 242707001 | 242712000 | 3.89E-11     |
| chr2| 242708001 | 242713000 | 2.44E-11     |
| chr2| 242709001 | 242714000 | 5.70E-16     |
| chr2| 242710001 | 242715000 | 5.83E-14     |
| chr2| 242711001 | 242716000 | 1.64E-12     |
| chr2| 242841001 | 242846000 | 1.56E-19     |
| chr2| 242842001 | 242847000 | 5.56E-20     |
| chr3 | 405001 | 410000 | 4.43E-05     |
| chr3 | 752001 | 757000 | 1.47E-05     |
| chr3 | 753001 | 758000 | 1.19E-05     |
| chr3 | 1076001 | 1081000 | 8.25E-06     |
| chr3 | 1240001 | 1245000 | 5.24E-05     |
| chr3 | 2359001 | 2364000 | 0.001716772 |
| chr3 | 2360001 | 2365000 | 1.33E-05     |
| chr3 | 2772001 | 2777000 | 7.39E-08     |
| chr3 | 3740001 | 3745000 | 0.00711743   |
| chr3 | 4191001 | 4196000 | 4.90E-05     |
| chr3 | 4192001 | 4197000 | 0.000119695  |
| chr3 | 4332001 | 4337000 | 7.54E-07     |
| chr3 | 4392001 | 4397000 | 1.47E-08     |
| chr3 | 4623001 | 4628000 | 4.76E-06     |
| chr3 | 4935001 | 4940000 | 4.33E-06     |
| chr3 | 4936001 | 4941000 | 6.57E-06     |
| chr3 | 5052001 | 5057000 | 0.000288234  |
| chr3 | 5316001 | 5321000 | 9.99E-05     |
| chr3 | 5317001 | 5322000 | 2.66E-05     |
| chr3 | 5318001 | 5323000 | 8.80E-05     |
| chr3 | 5409001 | 5414000 | 0.000607856  |
| chr3 | 5540001 | 5545000 | 4.29E-05     |
| chr3 | 5600001 | 5605000 | 5.10E-05     |
| chr3 | 5601001 | 5606000 | 1.33E-07     |
| chr3 | 5777001 | 5782000 | 2.27E-05     |
| chr3 | 5833001 | 5838000 | 1.74E-07     |
| chr3 | 6183001 | 6188000 | 0.000162999  |
| chr3 | 6976001 | 6981000 | 4.98E-08     |
| chr3 | 6977001 | 6982000 | 1.27E-08     |
| chr3 | 7399001 | 7404000 | 0.000119133  |
| chr3 | 7400001 | 7405000 | 0.002048369  |
| chr3 | 7699001 | 7704000 | 4.21E-08     |
| chr3 | 8068001 | 8073000 | 5.88E-05     |
| chr3 | 9010001 | 9015000 | 3.63E-05     |
| chr3 | 9552001 | 9557000 | 6.93E-05     |
| chr3 | 9553001 | 9558000 | 8.90E-05     |
| chr3 | 9567001 | 9572000 | 0.000792555  |
| chr3 | 9925001 | 9930000 | 1.61E-05     |
| Chromosome | Start Position | End Position | Value  |
|------------|----------------|--------------|--------|
| chr3       | 9927001        | 9932000      | 3.69E-06 |
| chr3       | 10552001       | 10557000     | 0.000351754 |
| chr3       | 11134001       | 11139000     | 0.000156117 |
| chr3       | 11265001       | 11270000     | 3.05E-09  |
| chr3       | 11266001       | 11271000     | 5.83E-08  |
| chr3       | 11460001       | 11465000     | 7.82E-05  |
| chr3       | 12114001       | 12119000     | 4.84E-05  |
| chr3       | 12115001       | 12120000     | 4.86E-05  |
| chr3       | 12157001       | 12162000     | 0.000470261 |
| chr3       | 12211001       | 12216000     | 0.000104006 |
| chr3       | 12272001       | 12277000     | 2.24E-05  |
| chr3       | 12273001       | 12278000     | 3.34E-06  |
| chr3       | 12274001       | 12279000     | 3.19E-08  |
| chr3       | 12487001       | 12492000     | 1.11E-06  |
| chr3       | 12688001       | 12693000     | 3.08E-05  |
| chr3       | 12689001       | 12694000     | 3.02E-05  |
| chr3       | 12757001       | 12762000     | 9.62E-10  |
| chr3       | 12758001       | 12763000     | 4.30E-12  |
| chr3       | 12759001       | 12764000     | 1.67E-15  |
| chr3       | 12760001       | 12765000     | 9.40E-13  |
| chr3       | 12761001       | 12766000     | 2.77E-12  |
| chr3       | 13237001       | 13242000     | 4.55E-08  |
| chr3       | 13238001       | 13243000     | 8.57E-07  |
| chr3       | 13300001       | 13305000     | 1.09E-08  |
| chr3       | 13554001       | 13559000     | 1.14E-07  |
| chr3       | 13566001       | 13571000     | 7.28E-08  |
| chr3       | 13568001       | 13573000     | 6.46E-07  |
| chr3       | 13569001       | 13574000     | 4.35E-09  |
| chr3       | 13854001       | 13859000     | 0.013813377 |
| chr3       | 14264001       | 14269000     | 1.10E-07  |
| chr3       | 14330001       | 14335000     | 1.42E-06  |
| chr3       | 14374001       | 14379000     | 1.58E-11  |
| chr3       | 14375001       | 14380000     | 5.13E-12  |
| chr3       | 14401001       | 14406000     | 3.56E-05  |
| chr3       | 14645001       | 14650000     | 0.002651522 |
| chr3       | 15355001       | 15360000     | 1.09E-08  |
| chr3       | 15664001       | 15669000     | 4.63E-05  |
| chr3       | 15665001       | 15670000     | 4.33E-07  |
| chr3       | 15667001       | 15672000     | 3.99E-10  |
| chr3       | 15668001       | 15673000     | 2.13E-09  |
| chr3       | 15669001       | 15674000     | 5.47E-14  |
| chr3       | 16096001       | 16101000     | 3.74E-09  |
| chr3       | 16097001       | 16102000     | 2.08E-12  |
| chr3       | 16799001       | 16804000     | 0.00062622 |
| chr3       | 18149001       | 18154000     | 0.000265565 |
| chr3       | 18150001       | 18155000     | 7.10E-05  |
| chr3       | 18217001       | 18222000     | 6.33E-05  |
| chr3       | 18235001       | 18240000     | 0.002013727 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr3       | 18631001       | 18636000     | 0.002212305 |
| chr3       | 18632001       | 18637000     | 0.026538766 |
| chr3       | 19085001       | 19090000     | 0.000283491 |
| chr3       | 19345001       | 19350000     | 0.000631558 |
| chr3       | 19739001       | 19744000     | 1.07E-07   |
| chr3       | 20148001       | 20153000     | 0.011551529 |
| chr3       | 20326001       | 20331000     | 0.000285669 |
| chr3       | 20682001       | 20687000     | 1.47E-05   |
| chr3       | 20833001       | 20838000     | 0.027767966 |
| chr3       | 20834001       | 20839000     | 0.009714682 |
| chr3       | 20879001       | 20884000     | 0.001230877 |
| chr3       | 20880001       | 20885000     | 0.00139649 |
| chr3       | 20881001       | 20886000     | 0.004408967 |
| chr3       | 21747001       | 21752000     | 2.49E-06   |
| chr3       | 21995001       | 22000000     | 0.003345833 |
| chr3       | 22041001       | 22046000     | 0.000185269 |
| chr3       | 22227001       | 22232000     | 2.06E-06   |
| chr3       | 22935001       | 22940000     | 0.00415762 |
| chr3       | 22946001       | 22951000     | 0.00289568 |
| chr3       | 22947001       | 22952000     | 9.38E-08   |
| chr3       | 22948001       | 22953000     | 3.07E-05   |
| chr3       | 22949001       | 22954000     | 0.000304261 |
| chr3       | 23000001       | 23005000     | 8.26E-05   |
| chr3       | 23868001       | 23873000     | 0.001243655 |
| chr3       | 23962001       | 23967000     | 0.00015185 |
| chr3       | 24083001       | 24088000     | 0.000997703 |
| chr3       | 24179001       | 24184000     | 0.000205774 |
| chr3       | 24180001       | 24185000     | 1.02E-05   |
| chr3       | 24329001       | 24334000     | 0.004140934 |
| chr3       | 24467001       | 24472000     | 0.000130811 |
| chr3       | 24468001       | 24473000     | 0.000362744 |
| chr3       | 24583001       | 24588000     | 0.006041766 |
| chr3       | 24585001       | 24590000     | 0.005348396 |
| chr3       | 24586001       | 24591000     | 0.00049074 |
| chr3       | 24587001       | 24592000     | 0.001399467 |
| chr3       | 24724001       | 24729000     | 0.001971679 |
| chr3       | 25006001       | 25011000     | 1.24E-05   |
| chr3       | 25862001       | 25867000     | 4.70E-05   |
| chr3       | 25863001       | 25868000     | 8.64E-05   |
| chr3       | 26066001       | 26071000     | 1.32E-06   |
| chr3       | 26067001       | 26072000     | 1.68E-06   |
| chr3       | 26491001       | 26496000     | 4.76E-05   |
| chr3       | 26641001       | 26646000     | 0.00089727 |
| chr3       | 26642001       | 26647000     | 0.000626927 |
| chr3       | 27574001       | 27579000     | 4.84E-10   |
| chr3       | 27575001       | 27580000     | 7.74E-11   |
| chr3  | start  | end    | p-value       |
|-------|--------|--------|---------------|
| chr3  | 29102001 | 29107000 | 0.000893038 |
| chr3  | 29107000 | 29410001 | 9.77E-06     |
| chr3  | 29410001 | 29415000 | 6.22E-05     |
| chr3  | 29415000 | 29564001 | 2.82E-09     |
| chr3  | 29564001 | 29569000 | 8.56E-11     |
| chr3  | 29569000 | 30052001 | 5.30E-10     |
| chr3  | 30052001 | 30053000 | 1.64E-09     |
| chr3  | 30053000 | 30056000 | 5.25E-05     |
| chr3  | 30056000 | 30440001 | 0.01508892   |
| chr3  | 30440001 | 30445000 | 1.39E-06     |
| chr3  | 30445000 | 30682001 | 1.21E-07     |
| chr3  | 30682001 | 30694001 | 9.49E-05     |
| chr3  | 30694001 | 30695000 | 6.37E-05     |
| chr3  | 30695000 | 30700000 | 3.98E-07     |
| chr3  | 30700000 | 33086001 | 0.004691967  |
| chr3  | 33086001 | 33091000 | 7.46E-05     |
| chr3  | 33091000 | 33210001 | 0.00398775   |
| chr3  | 33210001 | 33215000 | 2.09E-07     |
| chr3  | 33215000 | 34033001 | 1.88E-05     |
| chr3  | 34033001 | 34035000 | 4.69E-07     |
| chr3  | 34035000 | 34040000 | 1.88E-05     |
| chr3  | 34040000 | 34101000 | 4.69E-07     |
| chr3  | 34101000 | 34106000 | 2.09E-07     |
| chr3  | 34106000 | 34447001 | 1.88E-05     |
| chr3  | 34447001 | 34450000 | 4.69E-07     |
| chr3  | 34450000 | 34451000 | 2.09E-07     |
| chr3  | 34451000 | 34604001 | 3.96E-05     |
| chr3  | 34604001 | 34609000 | 4.79E-05     |
| chr3  | 34609000 | 34634001 | 0.020356535  |
| chr3  | 34634001 | 34639000 | 3.96E-05     |
| chr3  | 34639000 | 34849001 | 0.003461319  |
| chr3  | 34849001 | 34850001 | 0.002439252  |
| chr3  | 34850001 | 34851000 | 0.00028215   |
| chr3  | 34851000 | 34852001 | 0.00028215   |
| chr3  | 34852001 | 34853000 | 0.018958939  |
| chr3  | 34853000 | 34856000 | 0.018958939  |
| chr3  | 34856000 | 35666001 | 5.62E-07     |
| chr3  | 35666001 | 35671000 | 5.62E-07     |
| chr3  | 35671000 | 36171000 | 5.62E-07     |
| chr3  | 36171000 | 36176000 | 5.62E-07     |
| chr3  | 36176000 | 36326001 | 5.62E-07     |
| chr3  | 36326001 | 36414001 | 5.62E-07     |
| chr3  | 36414001 | 36419000 | 5.62E-07     |
| chr3  | 36419000 | 36794001 | 5.62E-07     |
| chr3  | 36794001 | 36799000 | 5.62E-07     |
| chr3  | 36799000 | 37186001 | 5.62E-07     |
| chr3  | 37186001 | 37961000 | 5.62E-07     |
| chr3  | 37961000 | 37966000 | 5.62E-07     |
| chr3  | 37966000 | 37971000 | 5.62E-07     |
| chr3  | 37971000 | 38788001 | 5.62E-07     |
| chr3  | 38788001 | 38793000 | 5.62E-07     |
| chr3  | 38793000 | 39957000 | 5.62E-07     |
| chr3  | 39957000 | 39962000 | 5.62E-07     |
| chr3  | 39962000 | 39963000 | 5.62E-07     |
| chr3  | 39963000 | 39964000 | 5.62E-07     |
| chr3  | 39964000 | 39965000 | 5.62E-07     |
| chr3  | 39965000 | 39966000 | 5.62E-07     |
| chr3  | 39966000 | 39971000 | 5.62E-07     |
| chr3  | 39971000 | 40433001 | 5.62E-07     |
| chr3  | 40433001 | 40438000 | 5.62E-07     |
| chr3  | 40438000 | 40720001 | 5.62E-07     |
| chr3  | 40720001 | 40725000 | 5.62E-07     |
| chr3  | 40725000 | 41472001 | 5.62E-07     |
| chr3  | 41472001 | 41477000 | 5.62E-07     |
| chr3  | 41477000 | 41709001 | 5.62E-07     |
| chr3  | 41709001 | 41714000 | 5.62E-07     |
| chr3  | 41714000 | 41835001 | 5.62E-07     |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr3       | 41954001       | 41959000     | 1.89E-05|
| chr3       | 42487001       | 42492000     | 0.001698726|
| chr3       | 43475001       | 43480000     | 0.013678603|
| chr3       | 43856001       | 43861000     | 8.84E-05|
| chr3       | 43897001       | 43902000     | 3.11E-08|
| chr3       | 43898001       | 43903000     | 3.86E-08|
| chr3       | 43899001       | 43904000     | 1.87E-12|
| chr3       | 43900001       | 43905000     | 7.57E-09|
| chr3       | 44081001       | 44086000     | 0.000520103|
| chr3       | 44263001       | 44268000     | 7.47E-05|
| chr3       | 44334001       | 44339000     | 0.004049433|
| chr3       | 45594001       | 45599000     | 4.51E-07|
| chr3       | 45595001       | 45600000     | 1.57E-05|
| chr3       | 45636001       | 45641000     | 3.37E-05|
| chr3       | 45906001       | 45911000     | 1.16E-07|
| chr3       | 46301001       | 46306000     | 8.92E-06|
| chr3       | 46692001       | 46697000     | 0.00251576|
| chr3       | 47268001       | 47273000     | 1.36E-06|
| chr3       | 47651001       | 47656000     | 0.000781903|
| chr3       | 47652001       | 47657000     | 0.001382317|
| chr3       | 47831001       | 47836000     | 4.84E-09|
| chr3       | 48181001       | 48186000     | 9.04E-09|
| chr3       | 49307001       | 49312000     | 1.30E-05|
| chr3       | 49308001       | 49313000     | 4.70E-06|
| chr3       | 49309001       | 49314000     | 0.000153436|
| chr3       | 49389001       | 49394000     | 0.002254975|
| chr3       | 49598001       | 49603000     | 0.003898316|
| chr3       | 49978001       | 49983000     | 2.63E-08|
| chr3       | 50406001       | 50411000     | 1.37E-06|
| chr3       | 50529001       | 50534000     | 0.000392955|
| chr3       | 50530001       | 50535000     | 0.000453529|
| chr3       | 50634001       | 50639000     | 7.76E-07|
| chr3       | 50635001       | 50640000     | 8.26E-08|
| chr3       | 50637001       | 50642000     | 2.33E-06|
| chr3       | 50638001       | 50643000     | 8.25E-06|
| chr3       | 50812001       | 50817000     | 0.002763059|
| chr3       | 50823001       | 50828000     | 0.003157571|
| chr3       | 51111001       | 51116000     | 0.000850533|
| chr3       | 51172001       | 51177000     | 6.80E-11|
| chr3       | 51173001       | 51178000     | 1.12E-11|
| chr3       | 51212001       | 51217000     | 0.002064936|
| chr3       | 51242001       | 51247000     | 0.000737439|
| chr3       | 51799001       | 51804000     | 7.35E-05|
| chr3       | 51800001       | 51805000     | 0.000393043|
| chr3       | 51897001       | 51902000     | 0.004339585|
| chr3       | 52021001       | 52026000     | 2.20E-07|
| chr3       | 52022001       | 52027000     | 2.40E-08|
| chr3       | 52222001       | 52227000     | 0.000334938|
| Chromosome | Start | End   | Log10(P) |
|------------|-------|-------|----------|
| chr3       | 52521001 | 52526000 | 2.52E-15 |
| chr3       | 52523001 | 52528000 | 3.13E-13 |
| chr3       | 52549001 | 52554000 | 4.16E-11 |
| chr3       | 52550001 | 52555000 | 7.53E-16 |
| chr3       | 52551001 | 52556000 | 6.03E-13 |
| chr3       | 52552001 | 52557000 | 3.27E-13 |
| chr3       | 52639001 | 52644000 | 0.003060945 |
| chr3       | 52822001 | 52827000 | 0.001211491 |
| chr3       | 53004001 | 53009000 | 3.76E-05 |
| chr3       | 53089001 | 53094000 | 0.002060749 |
| chr3       | 53241001 | 53246000 | 1.23E-06 |
| chr3       | 53252001 | 53257000 | 3.09E-05 |
| chr3       | 53253001 | 53258000 | 2.03E-05 |
| chr3       | 53308001 | 53313000 | 3.47E-06 |
| chr3       | 53661001 | 53666000 | 3.31E-09 |
| chr3       | 53837001 | 53842000 | 0.009010627 |
| chr3       | 53935001 | 53940000 | 0.008021571 |
| chr3       | 53936001 | 53941000 | 0.005639638 |
| chr3       | 56371001 | 56376000 | 0.002761468 |
| chr3       | 56787001 | 56792000 | 4.97E-09 |
| chr3       | 56788001 | 56793000 | 3.48E-05 |
| chr3       | 56790001 | 56795000 | 0.001098763 |
| chr3       | 56829001 | 56834000 | 8.29E-06 |
| chr3       | 57528001 | 57533000 | 9.81E-05 |
| chr3       | 57680001 | 57685000 | 4.14E-08 |
| chr3       | 57681001 | 57686000 | 2.59E-05 |
| chr3       | 57788001 | 57793000 | 2.57E-05 |
| chr3       | 57789001 | 57794000 | 5.95E-11 |
| chr3       | 58464001 | 58469000 | 1.22E-05 |
| chr3       | 58465001 | 58470000 | 0.000198729 |
| chr3       | 58466001 | 58471000 | 0.001847645 |
| chr3       | 58514001 | 58519000 | 1.11E-05 |
| chr3       | 58515001 | 58520000 | 3.35E-05 |
| chr3       | 58550001 | 58555000 | 9.57E-10 |
| chr3       | 58551001 | 58556000 | 9.09E-15 |
| chr3       | 58591001 | 58596000 | 7.06E-05 |
| chr3       | 58592001 | 58597000 | 7.84E-05 |
| chr3       | 58594001 | 58599000 | 5.13E-06 |
| chr3       | 58610001 | 58615000 | 9.02E-11 |
| chr3       | 58895001 | 58900000 | 0.002476618 |
| chr3       | 59052001 | 59057000 | 0.001058762 |
| chr3       | 59850001 | 59855000 | 0.004842801 |
| chr3       | 60191001 | 60196000 | 0.010194475 |
| chr3       | 60192001 | 60197000 | 0.006228133 |
| chr3       | 60259001 | 60264000 | 2.24E-11 |
| chr3       | 60260001 | 60265000 | 1.50E-13 |
| chr3       | 61227001 | 61232000 | 4.35E-06 |
| chr3       | 61494001 | 61499000 | 0.003097933 |
| Chromosome | Start Position | End Position | p-value        |
|------------|----------------|--------------|----------------|
| chr3       | 61756001       | 61761000     | 2.05E-08       |
| chr3       | 61777001       | 61782000     | 1.05E-05       |
| chr3       | 61826001       | 61831000     | 0.001969779    |
| chr3       | 62347001       | 62352000     | 2.64E-07       |
| chr3       | 62348001       | 62353000     | 9.11E-08       |
| chr3       | 62471001       | 62476000     | 0.000204734    |
| chr3       | 62484001       | 62489000     | 5.38E-07       |
| chr3       | 62485001       | 62490000     | 1.41E-07       |
| chr3       | 62486001       | 62491000     | 6.11E-07       |
| chr3       | 62925001       | 62930000     | 7.07E-05       |
| chr3       | 63071001       | 63076000     | 0.000263433    |
| chr3       | 64301001       | 64306000     | 2.16E-05       |
| chr3       | 64302001       | 64307000     | 1.94E-06       |
| chr3       | 64303001       | 64308000     | 5.59E-06       |
| chr3       | 64304001       | 64309000     | 1.11E-05       |
| chr3       | 64305001       | 64310000     | 1.43E-05       |
| chr3       | 64380001       | 64385000     | 0.003107399    |
| chr3       | 64384001       | 64389000     | 3.23E-05       |
| chr3       | 64385001       | 64390000     | 0.000137882    |
| chr3       | 64413001       | 64418000     | 0.001230928    |
| chr3       | 64649001       | 64654000     | 2.96E-05       |
| chr3       | 64650001       | 64655000     | 2.68E-06       |
| chr3       | 64651001       | 64656000     | 3.86E-08       |
| chr3       | 64652001       | 64657000     | 0.000967411    |
| chr3       | 65001001       | 65006000     | 6.14E-08       |
| chr3       | 65725001       | 65730000     | 0.000244695    |
| chr3       | 67780001       | 67785000     | 0.001541908    |
| chr3       | 67782001       | 67787000     | 0.020583277    |
| chr3       | 68037001       | 68042000     | 0.000261561    |
| chr3       | 68038001       | 68043000     | 0.000352873    |
| chr3       | 68287001       | 68292000     | 0.008493337    |
| chr3       | 68658001       | 68663000     | 0.010595286    |
| chr3       | 68662001       | 68667000     | 0.000127977    |
| chr3       | 69135001       | 69140000     | 4.61E-05       |
| chr3       | 69167001       | 69172000     | 3.95E-14       |
| chr3       | 69210001       | 69215000     | 5.25E-05       |
| chr3       | 69211001       | 69216000     | 2.21E-05       |
| chr3       | 69448001       | 69453000     | 0.004377446    |
| chr3       | 69449001       | 69454000     | 0.001036319    |
| chr3       | 69450001       | 69455000     | 3.97E-06       |
| chr3       | 69729001       | 69734000     | 0.000220971    |
| chr3       | 69730001       | 69735000     | 7.15E-05       |
| chr3       | 69731001       | 69736000     | 3.73E-05       |
| chr3       | 69882001       | 69887000     | 3.97E-06       |
| chr3       | 69883001       | 69888000     | 1.78E-08       |
| chr3       | 69889001       | 69894000     | 5.47E-06       |
| chr3       | 69902001       | 69907000     | 0.000350143    |
| chr3       | 70203001       | 70208000     | 0.002082539    |
| chr3 | 70825001 | 70830000 | 1.76E-05 |
|------|----------|----------|----------|
| chr3 | 70909001 | 70914000 | 0.00307229 |
| chr3 | 71108001 | 71113000 | 0.00363724 |
| chr3 | 71175001 | 71180000 | 1.62E-10 |
| chr3 | 71240001 | 71245000 | 9.12E-08 |
| chr3 | 71241001 | 71246000 | 4.71E-08 |
| chr3 | 71363001 | 71368000 | 5.08E-08 |
| chr3 | 71364001 | 71369000 | 1.23E-07 |
| chr3 | 71749001 | 71754000 | 0.000734287 |
| chr3 | 72541001 | 72546000 | 0.000194911 |
| chr3 | 72793001 | 72798000 | 1.72E-12 |
| chr3 | 73368001 | 73373000 | 3.91E-05 |
| chr3 | 73369001 | 73374000 | 5.09E-05 |
| chr3 | 73377001 | 73382000 | 0.000348249 |
| chr3 | 73501001 | 73506000 | 9.32E-06 |
| chr3 | 73585001 | 73590000 | 0.00205146 |
| chr3 | 73822001 | 73827000 | 0.006440693 |
| chr3 | 73854001 | 73859000 | 4.13E-09 |
| chr3 | 74388001 | 74393000 | 0.00153205 |
| chr3 | 74389001 | 74394000 | 0.003744345 |
| chr3 | 75759001 | 75764000 | 0.00612616 |
| chr3 | 75876001 | 75881000 | 0.00134137 |
| chr3 | 75959001 | 75964000 | 2.85E-08 |
| chr3 | 75960001 | 75965000 | 1.01E-08 |
| chr3 | 75989001 | 75994000 | 8.72E-05 |
| chr3 | 75991001 | 75996000 | 1.57E-05 |
| chr3 | 77424001 | 77429000 | 0.006221254 |
| chr3 | 77918001 | 77923000 | 0.000152103 |
| chr3 | 77945001 | 77950000 | 0.002442665 |
| chr3 | 78579001 | 78584000 | 0.000253351 |
| chr3 | 78580001 | 78585000 | 0.001354428 |
| chr3 | 78581001 | 78586000 | 0.002118424 |
| chr3 | 78839001 | 78844000 | 0.001800968 |
| chr3 | 78840001 | 78845000 | 0.000450882 |
| chr3 | 78895001 | 78900000 | 0.00119722 |
| chr3 | 80019001 | 80024000 | 0.0005410054 |
| chr3 | 80213001 | 80218000 | 0.000286044 |
| chr3 | 80471001 | 80476000 | 0.017369391 |
| chr3 | 80906001 | 80911000 | 1.65E-05 |
| chr3 | 80908001 | 80913000 | 0.001946087 |
| chr3 | 81490001 | 81495000 | 1.32E-07 |
| chr3 | 81705001 | 81710000 | 3.36E-06 |
| chr3 | 81934001 | 81939000 | 1.65E-05 |
| chr3 | 81936001 | 81941000 | 0.000145714 |
| chr3 | 81938001 | 81943000 | 0.000179864 |
| chr3 | 82504001 | 82509000 | 4.47E-05 |
| chr3 | 82530001 | 82535000 | 0.001783731 |
| chr3 | 83923001 | 83928000 | 3.92E-06 |
| Chromosome | Start | End | P-value |
|------------|-------|-----|---------|
| chr3       | 83938001 | 83943000 | 0.001656508 |
| chr3       | 83939001 | 83944000 | 0.000221801 |
| chr3       | 83940001 | 83945000 | 0.000276016 |
| chr3       | 83941001 | 83946000 | 5.78E-05 |
| chr3       | 83980001 | 83985000 | 3.08E-07 |
| chr3       | 83981001 | 83986000 | 2.18E-09 |
| chr3       | 83982001 | 83987000 | 1.00E-08 |
| chr3       | 83983001 | 83988000 | 1.29E-06 |
| chr3       | 84284001 | 84289000 | 1.78E-05 |
| chr3       | 84285001 | 84290000 | 1.73E-06 |
| chr3       | 84706001 | 84711000 | 0.024221195 |
| chr3       | 84822001 | 84827000 | 0.000141231 |
| chr3       | 84823001 | 84828000 | 0.000425572 |
| chr3       | 84824001 | 84829000 | 0.000950479 |
| chr3       | 85189001 | 85194000 | 1.06E-06 |
| chr3       | 85190001 | 85195000 | 8.75E-06 |
| chr3       | 85707001 | 85712000 | 0.005318124 |
| chr3       | 85708001 | 85713000 | 0.003075305 |
| chr3       | 85828001 | 85833000 | 0.003670363 |
| chr3       | 85935001 | 85940000 | 4.65E-05 |
| chr3       | 85936001 | 85941000 | 3.20E-06 |
| chr3       | 85948001 | 85953000 | 0.002530652 |
| chr3       | 86363001 | 86368000 | 0.009100252 |
| chr3       | 86806001 | 86811000 | 4.31E-05 |
| chr3       | 87189001 | 87194000 | 0.009733 |
| chr3       | 87236001 | 87241000 | 0.002176039 |
| chr3       | 87238001 | 87243000 | 0.00289054 |
| chr3       | 87344001 | 87349000 | 3.41E-05 |
| chr3       | 87436001 | 87441000 | 0.001080176 |
| chr3       | 87732001 | 87737000 | 4.07E-05 |
| chr3       | 88267001 | 88272000 | 6.32E-08 |
| chr3       | 88428001 | 88433000 | 9.37E-07 |
| chr3       | 88429001 | 88434000 | 7.56E-07 |
| chr3       | 88430001 | 88435000 | 2.09E-06 |
| chr3       | 88574001 | 88579000 | 0.002883043 |
| chr3       | 88787001 | 88792000 | 1.78E-06 |
| chr3       | 88788001 | 88793000 | 9.34E-05 |
| chr3       | 88961001 | 88966000 | 0.000768843 |
| chr3       | 89011001 | 89016000 | 5.21E-05 |
| chr3       | 89188001 | 89193000 | 0.001588669 |
| chr3       | 89387001 | 89392000 | 3.45E-06 |
| chr3       | 89490001 | 89495000 | 8.75E-05 |
| chr3       | 89491001 | 89496000 | 6.10E-05 |
| chr3       | 89521001 | 89526000 | 1.98E-14 |
| chr3       | 89522001 | 89527000 | 7.31E-12 |
| chr3 | start_pos | end_pos | p-value      |
|------|-----------|---------|-------------|
| 89523001 | 89528000 | 2.07E-14 |
| 89610001 | 89615000 | 0.008432262 |
| 89611001 | 89616000 | 0.012530559 |
| 89723001 | 89728000 | 0.008876516 |
| 89724001 | 89729000 | 0.014028727 |
| 89773001 | 89778000 | 0.006148323 |
| 89803001 | 89808000 | 1.36E-07 |
| 89804001 | 89809000 | 1.02E-06 |
| 89805001 | 89810000 | 9.10E-07 |
| 89869001 | 89874000 | 0.000453679 |
| 89870001 | 89875000 | 0.00097201 |
| 89980001 | 89985000 | 0.001642566 |
| 90071001 | 90076000 | 2.20E-07 |
| 90334001 | 90339000 | 0.001309306 |
| 90441001 | 90446000 | 2.92E-05 |
| 90442001 | 90447000 | 6.79E-05 |
| 93909001 | 93914000 | 0.000349639 |
| 93936001 | 93941000 | 2.40E-05 |
| 93943001 | 93948000 | 7.00E-05 |
| 93944001 | 93949000 | 1.07E-05 |
| 93969001 | 93974000 | 0.000225702 |
| 93970001 | 93975000 | 0.000609982 |
| 94054001 | 94059000 | 0.000384753 |
| 94619001 | 94624000 | 0.002983529 |
| 94867001 | 94872000 | 0.001182384 |
| 95178001 | 95183000 | 2.83E-05 |
| 95208001 | 95213000 | 0.003402028 |
| 95439001 | 95444000 | 8.18E-05 |
| 95978001 | 95983000 | 7.78E-05 |
| 96039001 | 96044000 | 3.21E-05 |
| 96041001 | 96046000 | 5.71E-06 |
| 96042001 | 96047000 | 5.35E-09 |
| 96084001 | 96089000 | 8.86E-05 |
| 96085001 | 96090000 | 4.38E-05 |
| 96174001 | 96179000 | 0.001924796 |
| 96363001 | 96368000 | 9.57E-10 |
| 96365001 | 96370000 | 3.71E-10 |
| 96621001 | 96626000 | 0.009162521 |
| 96758001 | 96763000 | 4.92E-07 |
| 96965001 | 96970000 | 0.001171369 |
| 96996001 | 97001000 | 8.10E-05 |
| 97149001 | 97154000 | 0.000335906 |
| 97338001 | 97343000 | 0.001309306 |
| 97422001 | 97427000 | 7.29E-07 |
| 97438001 | 97443000 | 0.000353131 |
| 97716001 | 97721000 | 0.00237443 |
| 97717001 | 97722000 | 0.00020092 |
| 97718001 | 97723000 | 0.000177221 |
| Chr  | Start      | End        | p-value   |
|------|------------|------------|-----------|
| chr3 | 97719001   | 97724000   | 0.00021393|
| chr3 | 97728001   | 97733000   | 5.15E-10  |
| chr3 | 97729001   | 97734000   | 6.58E-09  |
| chr3 | 97730001   | 97735000   | 0.000507838|
| chr3 | 97825001   | 97830000   | 0.001247315|
| chr3 | 97826001   | 97831000   | 4.83E-06  |
| chr3 | 97827001   | 97832000   | 1.05E-05  |
| chr3 | 98107001   | 98112000   | 0.001646255|
| chr3 | 98108001   | 98113000   | 0.005642025|
| chr3 | 98380001   | 98385000   | 2.35E-08  |
| chr3 | 98381001   | 98386000   | 8.70E-10  |
| chr3 | 98382001   | 98387000   | 4.48E-08  |
| chr3 | 98825001   | 98830000   | 7.23E-06  |
| chr3 | 98826001   | 98831000   | 4.46E-06  |
| chr3 | 98827001   | 98832000   | 2.16E-07  |
| chr3 | 98828001   | 98833000   | 7.51E-05  |
| chr3 | 98829001   | 98834000   | 1.62E-11  |
| chr3 | 98842001   | 98847000   | 0.000253341|
| chr3 | 98920001   | 98925000   | 5.25E-08  |
| chr3 | 98921001   | 98926000   | 1.39E-06  |
| chr3 | 99215001   | 99220000   | 5.09E-05  |
| chr3 | 99216001   | 99221000   | 1.05E-05  |
| chr3 | 99217001   | 99222000   | 8.53E-06  |
| chr3 | 99252001   | 99257000   | 5.74E-05  |
| chr3 | 99409001   | 99414000   | 3.09E-06  |
| chr3 | 99473001   | 99478000   | 0.001039665|
| chr3 | 99474001   | 99479000   | 0.000858193|
| chr3 | 99507001   | 99512000   | 0.000225726|
| chr3 | 99508001   | 99513000   | 6.52E-07  |
| chr3 | 100296001  | 100301000  | 0.002596107|
| chr3 | 100413001  | 100418000  | 2.84E-09  |
| chr3 | 100414001  | 100419000  | 6.85E-09  |
| chr3 | 100500001  | 100505000  | 0.001864016|
| chr3 | 100513001  | 100518000  | 0.002362812|
| chr3 | 100711001  | 100716000  | 1.67E-12  |
| chr3 | 100712001  | 100717000  | 1.98E-09  |
| chr3 | 100713001  | 100718000  | 2.04E-11  |
| chr3 | 100745001  | 100750000  | 3.61E-05  |
| chr3 | 100818001  | 100823000  | 0.000541413|
| chr3 | 100819001  | 100824000  | 0.000385509|
| chr3 | 100866001  | 100871000  | 8.23E-05  |
| chr3 | 100867001  | 100872000  | 0.000225941|
| chr3 | 100878001  | 100883000  | 1.11E-05  |
| chr3 | 100879001  | 100884000  | 1.58E-06  |
| chr3 | 100880001  | 100885000  | 3.10E-09  |
| chr3 | 100881001  | 100886000  | 3.17E-05  |
| chr3 | 100896001  | 100901000  | 8.52E-06  |
| chr3 | 100921001  | 100926000  | 3.84E-06  |
| Chromosome | Start Position | End Position | P-value  |
|------------|----------------|--------------|----------|
| chr3       | 100987001      | 100992000    | 1.25E-08 |
| chr3       | 101153001      | 101158000    | 1.18E-08 |
| chr3       | 101154001      | 101159000    | 8.12E-09 |
| chr3       | 101331001      | 101336000    | 1.37E-08 |
| chr3       | 101406001      | 101411000    | 3.31E-20 |
| chr3       | 101547001      | 101552000    | 1.13E-06 |
| chr3       | 101154001      | 101159000    | 8.12E-09 |
| chr3       | 101895001      | 101900000    | 4.42E-12 |
| chr3       | 101944001      | 101949000    | 0.001182232 |
| chr3       | 101945001      | 101950000    | 3.97E-06 |
| chr3       | 101946001      | 101951000    | 7.16E-05 |
| chr3       | 102015001      | 102020000    | 0.010622078 |
| chr3       | 102080001      | 102085000    | 2.08E-06 |
| chr3       | 102193001      | 102198000    | 0.000479586 |
| chr3       | 102194001      | 102199000    | 0.000331791 |
| chr3       | 102297001      | 102302000    | 0.001548046 |
| chr3       | 102298001      | 102303000    | 0.000776998 |
| chr3       | 102314001      | 102319000    | 0.000103998 |
| chr3       | 102319001      | 102324000    | 0.010303673 |
| chr3       | 102671001      | 102676000    | 8.14E-05 |
| chr3       | 102722001      | 102727000    | 0.000312789 |
| chr3       | 102845001      | 102850000    | 3.18E-08 |
| chr3       | 102907001      | 102912000    | 7.14E-05 |
| chr3       | 103002001      | 103007000    | 0.000343881 |
| chr3       | 103003001      | 103008000    | 0.000391584 |
| chr3       | 103230001      | 103235000    | 4.70E-05 |
| chr3       | 103231001      | 103236000    | 8.50E-06 |
| chr3       | 103339001      | 103344000    | 0.0003056329 |
| chr3       | 103484001      | 103489000    | 3.94E-05 |
| chr3       | 103585001      | 103590000    | 2.27E-07 |
| chr3       | 103586001      | 103591000    | 4.57E-08 |
| chr3       | 103587001      | 103592000    | 1.32E-07 |
| chr3       | 103588001      | 103593000    | 2.22E-09 |
| chr3       | 103707001      | 103712000    | 4.28E-05 |
| chr3       | 103708001      | 103713000    | 2.73E-06 |
| chr3       | 103711001      | 103716000    | 2.94E-10 |
| chr3       | 103822001      | 103827000    | 1.06E-06 |
| chr3       | 103823001      | 103828000    | 4.07E-06 |
| chr3       | 103866001      | 103871000    | 0.00191108 |
| chr3       | 103867001      | 103872000    | 0.002456832 |
| chr3       | 103868001      | 103873000    | 0.001334432 |
| chr3       | 103906001      | 103911000    | 9.41E-06 |
| chr3       | 104030001      | 104035000    | 9.63E-06 |
| chr3       | 104077001      | 104082000    | 2.10E-11 |
| chr3       | 104237001      | 104242000    | 1.34E-07 |
| chr3       | 104238001      | 104243000    | 1.63E-10 |
| chr3       | 104255001      | 104260000    | 0.00103216 |
| chr3       | 104446001      | 104451000    | 0.001040359 |
| chr3 | 104612001 | 104617000 | 0.003978538 |
| chr3 | 104654001 | 104659000 | 5.93E-07   |
| chr3 | 104764001 | 104769000 | 9.29E-08   |
| chr3 | 104765001 | 104770000 | 3.60E-05   |
| chr3 | 104862001 | 104867000 | 5.14E-06   |
| chr3 | 104896001 | 104901000 | 1.79E-06   |
| chr3 | 104898001 | 104903000 | 5.82E-10   |
| chr3 | 104951001 | 104956000 | 0.004746339|
| chr3 | 104964001 | 104969000 | 0.000298705|
| chr3 | 105057001 | 105062000 | 8.19E-05   |
| chr3 | 105612001 | 105617000 | 3.55E-06   |
| chr3 | 106055001 | 106060000 | 0.001030086|
| chr3 | 106607001 | 106612000 | 0.00035357 |
| chr3 | 106608001 | 106613000 | 1.17E-06   |
| chr3 | 106688001 | 106693000 | 0.000186909|
| chr3 | 106690001 | 106695000 | 4.93E-07   |
| chr3 | 106691001 | 106696000 | 9.88E-11   |
| chr3 | 106692001 | 106697000 | 2.25E-06   |
| chr3 | 106905001 | 106910000 | 5.62E-05   |
| chr3 | 106906001 | 106911000 | 8.12E-05   |
| chr3 | 106907001 | 106912000 | 0.00083203 |
| chr3 | 106940001 | 106945000 | 0.00141325 |
| chr3 | 107218001 | 107223000 | 1.62E-05   |
| chr3 | 107219001 | 107224000 | 5.34E-06   |
| chr3 | 107220001 | 107225000 | 2.41E-05   |
| chr3 | 108702001 | 108707000 | 5.58E-06   |
| chr3 | 108703001 | 108708000 | 1.26E-05   |
| chr3 | 108704001 | 108709000 | 5.50E-07   |
| chr3 | 108887001 | 108892000 | 7.93E-06   |
| chr3 | 108890001 | 108895000 | 7.84E-06   |
| chr3 | 109056001 | 109061000 | 1.11E-09   |
| chr3 | 109070001 | 109075000 | 0.0001111  |
| chr3 | 109088001 | 109093000 | 0.000169185|
| chr3 | 109090001 | 109095000 | 0.000148608|
| chr3 | 109314001 | 109319000 | 5.77E-06   |
| chr3 | 109315001 | 109320000 | 4.40E-05   |
| chr3 | 109324001 | 109329000 | 8.37E-05   |
| chr3 | 109325001 | 109330000 | 6.89E-05   |
| chr3 | 109340001 | 109345000 | 1.44E-07   |
| chr3 | 109341001 | 109346000 | 5.78E-14   |
| chr3 | 109342001 | 109347000 | 6.11E-15   |
| chr3 | 109343001 | 109348000 | 1.55E-13   |
| chr3 | 109565001 | 109570000 | 0.000346668|
| chr3 | 109567001 | 109572000 | 0.000817262|
| chr3 | 109569001 | 109574000 | 0.00508097 |
| chr3 | 109573001 | 109578000 | 0.015805505|
| Chr, Position | Start | End | Value   |
|--------------|-------|-----|---------|
| chr3         | 109574001 | 109579000 | 0.013778839 |
| chr3         | 109721001 | 109726000 | 1.09E-08 |
| chr3         | 109785001 | 109790000 | 6.76E-09 |
| chr3         | 109786001 | 109791000 | 7.83E-09 |
| chr3         | 109787001 | 109792000 | 1.96E-05 |
| chr3         | 109814001 | 109819000 | 0.001537956 |
| chr3         | 109821001 | 109826000 | 9.09E-05 |
| chr3         | 109822001 | 109827000 | 2.49E-05 |
| chr3         | 110095001 | 110100000 | 6.17E-05 |
| chr3         | 110096001 | 110101000 | 0.000152184 |
| chr3         | 110164001 | 110169000 | 0.000416148 |
| chr3         | 110232001 | 110237000 | 0.010399395 |
| chr3         | 110233001 | 110238000 | 0.006702267 |
| chr3         | 110273001 | 110278000 | 0.021330198 |
| chr3         | 110451001 | 110456000 | 0.001279004 |
| chr3         | 110452001 | 110457000 | 3.54E-10 |
| chr3         | 110453001 | 110458000 | 2.12E-10 |
| chr3         | 110454001 | 110459000 | 3.73E-09 |
| chr3         | 110455001 | 110460000 | 9.47E-09 |
| chr3         | 110722001 | 110727000 | 0.000670878 |
| chr3         | 110725001 | 110730000 | 2.70E-06 |
| chr3         | 110726001 | 110731000 | 0.000783296 |
| chr3         | 110752001 | 110757000 | 2.76E-08 |
| chr3         | 110809001 | 110814000 | 9.06E-10 |
| chr3         | 110902001 | 110907000 | 0.000278855 |
| chr3         | 110914001 | 110919000 | 4.43E-06 |
| chr3         | 111057001 | 111062000 | 0.000144679 |
| chr3         | 111058001 | 111063000 | 4.57E-05 |
| chr3         | 111059001 | 111064000 | 4.36E-05 |
| chr3         | 111183001 | 111188000 | 0.009932365 |
| chr3         | 111184001 | 111189000 | 0.001333085 |
| chr3         | 111185001 | 111190000 | 0.001440563 |
| chr3         | 111183001 | 111188000 | 4.99E-06 |
| chr3         | 111519001 | 111524000 | 1.95E-05 |
| chr3         | 112355001 | 112360000 | 2.43E-13 |
| chr3         | 112356001 | 112361000 | 5.40E-17 |
| chr3         | 112357001 | 112362000 | 1.66E-14 |
| chr3         | 112358001 | 112363000 | 2.71E-15 |
| chr3         | 112795001 | 112800000 | 1.06E-06 |
| chr3         | 112796001 | 112801000 | 1.87E-06 |
| chr3         | 112798001 | 112803000 | 2.31E-10 |
| chr3         | 112799001 | 112804000 | 8.28E-08 |
| chr3         | 112833001 | 112838000 | 1.81E-06 |
| chr3         | 112834001 | 112839000 | 5.24E-12 |
| chr3         | 112835001 | 112840000 | 7.21E-10 |
| chr3         | 112860001 | 112865000 | 2.62E-08 |
| chr3         | 113261001 | 113266000 | 4.54E-07 |
| chr3         | 113262001 | 113267000 | 2.99E-05 |
| Chromosome | Start Base | End Base | P-value |
|------------|------------|----------|---------|
| chr3       | 113562001  | 113567000| 2.57E-06|
| chr3       | 114135001  | 114140000| 0.000342965|
| chr3       | 115062001  | 115067000| 2.17E-06|
| chr3       | 115221001  | 115226000| 0.0007834|
| chr3       | 115222001  | 115227000| 0.000511299|
| chr3       | 116487001  | 116492000| 9.56E-06|
| chr3       | 116488001  | 116493000| 6.55E-06|
| chr3       | 116489001  | 116494000| 5.61E-05|
| chr3       | 116584001  | 116589000| 0.0010161812|
| chr3       | 116709001  | 116714000| 2.80E-06|
| chr3       | 116710001  | 116715000| 6.31E-06|
| chr3       | 116711001  | 116716000| 4.86E-06|
| chr3       | 116712001  | 116717000| 1.13E-05|
| chr3       | 116713001  | 116718000| 1.30E-06|
| chr3       | 116732001  | 116737000| 2.83E-05|
| chr3       | 116820001  | 116825000| 1.42E-06|
| chr3       | 116821001  | 116826000| 1.47E-06|
| chr3       | 116851001  | 116856000| 7.96E-05|
| chr3       | 117059001  | 117064000| 0.000557018|
| chr3       | 117122001  | 117127000| 0.025440423|
| chr3       | 117396001  | 117401000| 0.001273592|
| chr3       | 117543001  | 117548000| 5.95E-05|
| chr3       | 117643001  | 117648000| 0.001349946|
| chr3       | 117822001  | 117827000| 2.76E-09|
| chr3       | 117823001  | 117828000| 3.15E-11|
| chr3       | 117825001  | 117830000| 2.26E-20|
| chr3       | 117826001  | 117831000| 3.03E-17|
| chr3       | 117964001  | 117969000| 0.001238789|
| chr3       | 117966001  | 117971000| 0.000169021|
| chr3       | 117967001  | 117972000| 0.005894526|
| chr3       | 118219001  | 118224000| 6.15E-06|
| chr3       | 118447001  | 118452000| 0.001070404|
| chr3       | 118454001  | 118459000| 1.25E-05|
| chr3       | 118576001  | 118581000| 0.001015414|
| chr3       | 118599001  | 118604000| 5.57E-08|
| chr3       | 119487001  | 119492000| 1.58E-08|
| chr3       | 119915001  | 119920000| 0.000352005|
| chr3       | 119916001  | 119921000| 0.002076599|
| chr3       | 119917001  | 119922000| 0.000169373|
| chr3       | 120203001  | 120208000| 0.000690791|
| chr3       | 120603001  | 120608000| 2.52E-06|
| chr3       | 120639001  | 120644000| 4.70E-06|
| chr3       | 120649001  | 120654000| 0.000255952|
| chr3       | 120773001  | 120778000| 0.014259967|
| chr3       | 121720001  | 121725000| 5.92E-15|
| chr3       | 123403001  | 123408000| 1.31E-06|
| chr3       | 123404001  | 123409000| 7.73E-06|
| chr3 | Start | End   | Value     |
|------|-------|-------|-----------|
|      | 123436001 | 123441000 | 3.75E-10  |
|      | 123437001 | 123442000 | 5.90E-12  |
|      | 123438001 | 123443000 | 4.02E-13  |
|      | 123439001 | 123444000 | 1.30E-13  |
|      | 123440001 | 123445000 | 6.08E-09  |
|      | 123580001 | 123585000 | 2.14E-06  |
|      | 123686001 | 123691000 | 3.23E-05  |
|      | 123974001 | 123979000 | 8.69E-05  |
|      | 124120001 | 124125000 | 9.72E-05  |
|      | 124121001 | 124126000 | 1.39E-06  |
|      | 124246001 | 124251000 | 4.75E-05  |
|      | 124292001 | 124297000 | 3.08E-05  |
|      | 124293001 | 124298000 | 7.53E-06  |
|      | 124310001 | 124315000 | 3.45E-11  |
|      | 124476001 | 124481000 | 1.47E-23  |
|      | 124478001 | 124483000 | 5.54E-25  |
|      | 124479001 | 124484000 | 7.77E-22  |
|      | 124480001 | 124485000 | 1.29E-23  |
|      | 124622001 | 124627000 | 7.22E-07  |
|      | 124718001 | 124723000 | 1.14E-08  |
|      | 126675001 | 126680000 | 4.70E-11  |
|      | 126791001 | 126796000 | 2.90E-12  |
|      | 126792001 | 126797000 | 3.23E-12  |
|      | 126954001 | 126959000 | 7.33E-05  |
|      | 127096001 | 127101000 | 3.85E-06  |
|      | 127097001 | 127102000 | 1.67E-06  |
|      | 127254001 | 127259000 | 4.70E-08  |
|      | 127341001 | 127346000 | 5.36E-15  |
|      | 127342001 | 127347000 | 8.04E-13  |
|      | 127429001 | 127434000 | 8.56E-08  |
|      | 127430001 | 127435000 | 2.23E-08  |
|      | 127452001 | 127457000 | 6.65E-09  |
|      | 127453001 | 127458000 | 1.87E-09  |
|      | 127529001 | 127534000 | 1.09E-09  |
|      | 127670001 | 127675000 | 0.00110431 |
|      | 127672001 | 127677000 | 1.24E-07  |
|      | 127673001 | 127678000 | 1.18E-09  |
|      | 127674001 | 127679000 | 3.29E-09  |
|      | 127682001 | 127687000 | 3.37E-07  |
|      | 127755001 | 127760000 | 5.05E-08  |
|      | 127756001 | 127761000 | 5.32E-06  |
|      | 128131001 | 128136000 | 1.30E-07  |
|      | 128252001 | 128257000 | 1.21E-05  |
|      | 128254001 | 128259000 | 1.14E-07  |
|      | 128653001 | 128658000 | 5.39E-10  |
|      | 129165001 | 129170000 | 2.41E-08  |
|      | 129946001 | 129951000 | 0.000355677|
|      | 131027001 | 131032000 | 0.000284694|
| Chr | Start | End | Value       |
|-----|-------|-----|-------------|
| chr3| 13127 | 13128| 1.77E-05    |
| chr3| 13128 | 13130| 8.27E-06    |
| chr3| 13130 | 13145| 4.99E-05    |
| chr3| 13150 | 13160| 1.46E-10    |
| chr3| 13160 | 13160| 7.19E-09    |
| chr3| 13160 | 13164| 4.73E-12    |
| chr3| 13164 | 13165| 8.27E-06    |
| chr3| 13165 | 13169| 4.99E-05    |
| chr3| 13169 | 13170| 7.19E-09    |
| chr3| 13170 | 13170| 4.73E-12    |
| chr3| 13170 | 13170| 8.27E-06    |
| chr3| 13170 | 13170| 4.99E-05    |
| chr3| 13170 | 13170| 7.19E-09    |
| chr3| 13170 | 13170| 4.73E-12    |
|Chr| Start Position | End Position | Value |
|---|----------------|-------------|-------|
|chr3| 137203001 | 137208000 | 0.000111419 |
|chr3| 137204001 | 137209000 | 0.000407294 |
|chr3| 137205001 | 137210000 | 0.000563048 |
|chr3| 137504001 | 137509000 | 7.86E-05 |
|chr3| 137561001 | 137566000 | 0.001228481 |
|chr3| 137725001 | 137730000 | 1.11E-11 |
|chr3| 137726001 | 137731000 | 2.59E-11 |
|chr3| 138038001 | 138043000 | 0.00016015 |
|chr3| 138039001 | 138044000 | 4.56E-05 |
|chr3| 138040001 | 138045000 | 4.92E-06 |
|chr3| 138189001 | 138194000 | 2.03E-11 |
|chr3| 138554001 | 138559000 | 1.81E-09 |
|chr3| 138578001 | 138583000 | 4.18E-05 |
|chr3| 138579001 | 138584000 | 7.75E-07 |
|chr3| 138580001 | 138585000 | 1.17E-06 |
|chr3| 138581001 | 138586000 | 3.54E-10 |
|chr3| 138715001 | 138720000 | 1.08E-15 |
|chr3| 138716001 | 138721000 | 7.17E-14 |
|chr3| 138717001 | 138722000 | 8.18E-16 |
|chr3| 138732001 | 138737000 | 4.94E-14 |
|chr3| 138733001 | 138738000 | 1.12E-14 |
|chr3| 138755001 | 138760000 | 0.000567839 |
|chr3| 138851001 | 138856000 | 0.00175705 |
|chr3| 138852001 | 138857000 | 0.001362341 |
|chr3| 139803001 | 139808000 | 5.55E-06 |
|chr3| 139804001 | 139809000 | 4.18E-06 |
|chr3| 139819001 | 139824000 | 3.47E-05 |
|chr3| 139827001 | 139832000 | 1.43E-06 |
|chr3| 139828001 | 139833000 | 1.90E-06 |
|chr3| 139829001 | 139834000 | 4.39E-08 |
|chr3| 139830001 | 139835000 | 3.70E-09 |
|chr3| 140066001 | 140071000 | 0.000267408 |
|chr3| 140098001 | 140103000 | 0.000156173 |
|chr3| 140114001 | 140119000 | 8.46E-05 |
|chr3| 140261001 | 140266000 | 4.86E-05 |
|chr3| 140262001 | 140267000 | 6.69E-05 |
|chr3| 140460001 | 140465000 | 0.000321121 |
|chr3| 140942001 | 140947000 | 0.001791417 |
|chr3| 141099001 | 141104000 | 8.04E-14 |
|chr3| 142161001 | 142166000 | 6.82E-23 |
|chr3| 142565001 | 142570000 | 9.49E-09 |
|chr3| 142566001 | 142571000 | 7.54E-16 |
|chr3| 142567001 | 142572000 | 1.24E-14 |
|chr3| 142676001 | 142681000 | 0.001954464 |
|chr3| 142841001 | 142846000 | 1.28E-13 |
|chr3| 143900001 | 143905000 | 0.001456507 |
|chr3| 144038001 | 144043000 | 0.000430514 |
|chr3| 144535001 | 144540000 | 0.001565583 |
| Chromosome | Start | End     | p-value       |
|------------|-------|---------|---------------|
| chr3       | 144536001 | 144541000 | 0.000965313  |
| chr3       | 144685001 | 144690000 | 2.61E-08     |
| chr3       | 144687001 | 144692000 | 1.28E-09     |
| chr3       | 144688001 | 144693000 | 2.99E-12     |
| chr3       | 144689001 | 144694000 | 1.25E-10     |
| chr3       | 144692001 | 144697000 | 1.63E-05     |
| chr3       | 144693001 | 144698000 | 0.001349967  |
| chr3       | 144694001 | 144699000 | 0.001101604  |
| chr3       | 144695001 | 144700000 | 0.00072047   |
| chr3       | 144744001 | 144749000 | 0.0004083222 |
| chr3       | 144935001 | 144940000 | 0.001077223  |
| chr3       | 145046001 | 145051000 | 0.0002383    |
| chr3       | 145189001 | 145194000 | 4.36E-07     |
| chr3       | 145190001 | 145195000 | 6.65E-07     |
| chr3       | 145617001 | 145622000 | 6.23E-08     |
| chr3       | 145740001 | 145745000 | 0.000121459  |
| chr3       | 145742001 | 145747000 | 1.04E-06     |
| chr3       | 145743001 | 145748000 | 1.41E-05     |
| chr3       | 146141001 | 146146000 | 0.002019139  |
| chr3       | 146142001 | 146147000 | 0.003497193  |
| chr3       | 146152001 | 146157000 | 0.000452118  |
| chr3       | 146323001 | 146328000 | 6.45E-05     |
| chr3       | 146324001 | 146329000 | 2.00E-05     |
| chr3       | 146356001 | 146361000 | 5.58E-07     |
| chr3       | 146404001 | 146409000 | 0.001386297  |
| chr3       | 146424001 | 146429000 | 0.001640703  |
| chr3       | 146428001 | 146433000 | 0.001436707  |
| chr3       | 146430001 | 146435000 | 0.002100554  |
| chr3       | 146435001 | 146440000 | 0.002791853  |
| chr3       | 146600001 | 146605000 | 0.0009206    |
| chr3       | 146601001 | 146606000 | 0.001295335  |
| chr3       | 146629001 | 146634000 | 3.09E-05     |
| chr3       | 146630001 | 146635000 | 3.57E-08     |
| chr3       | 146631001 | 146636000 | 4.88E-08     |
| chr3       | 146632001 | 146637000 | 5.17E-08     |
| chr3       | 146633001 | 146638000 | 2.63E-08     |
| chr3       | 146651001 | 146656000 | 0.000193733  |
| chr3       | 146653001 | 146658000 | 6.16E-06     |
| chr3       | 146710001 | 146715000 | 0.000905839  |
| chr3       | 146711001 | 146716000 | 0.000236277  |
| chr3       | 146712001 | 146717000 | 0.000362887  |
| chr3       | 146753001 | 146758000 | 0.0027353426 |
| chr3       | 146763001 | 146768000 | 5.87E-06     |
| chr3       | 146764001 | 146769000 | 3.08E-07     |
| chr3       | 146765001 | 146770000 | 1.20E-06     |
| chr3       | 146808001 | 146813000 | 0.006836118  |
| chr3       | 146823001 | 146828000 | 0.000528895  |
| Chromosome | Start Base | End Base | P-value |
|------------|------------|----------|---------|
| chr3       | 146853001  | 146858000| 7.06E-06|
| chr3       | 146889001  | 146894000| 0.000773856|
| chr3       | 147017001  | 147022000| 0.000640806|
| chr3       | 147018001  | 147023000| 1.10E-06|
| chr3       | 147019001  | 147024000| 9.72E-07|
| chr3       | 147020001  | 147025000| 9.71E-06|
| chr3       | 147026001  | 147031000| 0.006427407|
| chr3       | 147027001  | 147032000| 0.003715237|
| chr3       | 147193001  | 147198000| 7.77E-11|
| chr3       | 147194001  | 147199000| 3.89E-10|
| chr3       | 147236001  | 147241000| 0.010685479|
| chr3       | 147342001  | 147347000| 0.009304304|
| chr3       | 147352001  | 147357000| 3.42E-06|
| chr3       | 147353001  | 147358000| 0.008357981|
| chr3       | 147520001  | 147525000| 0.001593527|
| chr3       | 147544001  | 147549000| 1.28E-06|
| chr3       | 147547001  | 147552000| 1.11E-07|
| chr3       | 147548001  | 147553000| 8.84E-07|
| chr3       | 147554001  | 147559000| 4.36E-06|
| chr3       | 147570001  | 147575000| 0.027241407|
| chr3       | 147610001  | 147615000| 0.003457727|
| chr3       | 147640001  | 147645000| 0.000125161|
| chr3       | 147641001  | 147646000| 2.41E-06|
| chr3       | 147658001  | 147663000| 3.02E-05|
| chr3       | 147695001  | 147700000| 1.13E-05|
| chr3       | 147698001  | 147703000| 1.09E-07|
| chr3       | 147736001  | 147741000| 0.00900027|
| chr3       | 147793001  | 147798000| 0.000283499|
| chr3       | 147885001  | 147890000| 9.36E-05|
| chr3       | 147894001  | 147899000| 8.98E-16|
| chr3       | 147917001  | 147922000| 6.49E-05|
| chr3       | 147918001  | 147923000| 2.13E-05|
| chr3       | 147952001  | 147957000| 0.000140912|
| chr3       | 147953001  | 147958000| 0.0003075|
| chr3       | 147961001  | 147966000| 3.42E-05|
| chr3       | 147962001  | 147967000| 4.12E-06|
| chr3       | 147965001  | 147970000| 7.61E-06|
| chr3       | 148049001  | 148054000| 0.002581075|
| chr3       | 148140001  | 148145000| 1.01E-07|
| chr3       | 148174001  | 148179000| 2.02E-08|
| chr3       | 148250001  | 148255000| 0.000387001|
| chr3       | 148251001  | 148256000| 0.000761088|
| chr3       | 148252001  | 148257000| 0.001406235|
| chr3       | 148262001  | 148267000| 6.24E-05|
| chr3       | 148344001  | 148349000| 4.70E-10|
| chr3       | 148346001  | 148351000| 1.90E-08|
| chr3       | 148362001  | 148367000| 0.008901798|
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr3       | 148389001      | 148394000    | 0.000606943 |
| chr3       | 148401001      | 148406000    | 9.79E-05   |
| chr3       | 148425001      | 148430000    | 0.002302611 |
| chr3       | 148449001      | 148454000    | 1.36E-09   |
| chr3       | 148450001      | 148455000    | 3.30E-11   |
| chr3       | 148526001      | 148531000    | 1.16E-09   |
| chr3       | 148527001      | 148532000    | 3.17E-10   |
| chr3       | 148528001      | 148533000    | 1.22E-10   |
| chr3       | 148538001      | 148539000    | 4.45E-12   |
| chr3       | 148530001      | 148535000    | 8.84E-07   |
| chr3       | 148567001      | 148572000    | 5.69E-13   |
| chr3       | 148568001      | 148573000    | 4.13E-13   |
| chr3       | 148575001      | 148580000    | 0.000305898 |
| chr3       | 148576001      | 148581000    | 0.000339663 |
| chr3       | 148586001      | 148591000    | 0.000814751 |
| chr3       | 148604001      | 148609000    | 9.51E-07   |
| chr3       | 148630001      | 148635000    | 2.61E-06   |
| chr3       | 148631001      | 148636000    | 4.25E-07   |
| chr3       | 148632001      | 148637000    | 0.000131503 |
| chr3       | 148633001      | 148638000    | 0.000535758 |
| chr3       | 148634001      | 148639000    | 0.000443404 |
| chr3       | 148636001      | 148641000    | 6.88E-06   |
| chr3       | 148637001      | 148642000    | 4.50E-07   |
| chr3       | 148646001      | 148651000    | 9.72E-05   |
| chr3       | 148647001      | 148652000    | 0.000128611 |
| chr3       | 148648001      | 148653000    | 5.49E-05   |
| chr3       | 148669001      | 148674000    | 0.000103031 |
| chr3       | 148961001      | 148966000    | 6.06E-05   |
| chr3       | 149083001      | 149088000    | 1.92E-14   |
| chr3       | 149084001      | 149089000    | 9.06E-08   |
| chr3       | 149086001      | 149091000    | 2.07E-14   |
| chr3       | 149103001      | 149108000    | 1.11E-06   |
| chr3       | 149104001      | 149109000    | 1.53E-11   |
| chr3       | 149477001      | 149482000    | 0.000984816 |
| chr3       | 149478001      | 149483000    | 0.00091017  |
| chr3       | 149706001      | 149711000    | 6.62E-13   |
| chr3       | 149713001      | 149718000    | 3.02E-05   |
| chr3       | 149714001      | 149719000    | 0.003081634 |
| chr3       | 149748001      | 149753000    | 2.84E-07   |
| chr3       | 149749001      | 149754000    | 9.57E-08   |
| chr3       | 149763001      | 149768000    | 1.32E-05   |
| chr3       | 149798001      | 149803000    | 7.25E-21   |
| chr3       | 149805001      | 149810000    | 6.27E-08   |
| chr3       | 149826001      | 149831000    | 9.67E-09   |
| chr3       | 149846001      | 149851000    | 5.60E-10   |
| chr3       | 149847001      | 149852000    | 1.20E-12   |
| chr3       | 149848001      | 149853000    | 6.01E-10   |
| chr3       | 149849001      | 149854000    | 1.28E-05   |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr3       | 149850001      | 149855000    | 1.63E-05 |
| chr3       | 149992001      | 149997000    | 9.44E-07 |
| chr3       | 149993001      | 149998000    | 8.02E-06 |
| chr3       | 149994001      | 149999000    | 2.17E-05 |
| chr3       | 149996001      | 150001000    | 9.58E-05 |
| chr3       | 150088001      | 150093000    | 0.002465051 |
| chr3       | 150090001      | 150095000    | 9.44E-07 |
| chr3       | 150091001      | 150096000    | 8.02E-06 |
| chr3       | 150092001      | 150098000    | 2.17E-05 |
| chr3       | 150096001      | 150101000    | 9.58E-05 |
| chr3       | 150188001      | 150193000    | 0.002465051 |
| chr3       | 150357001      | 150362000    | 0.001996943 |
| chr3       | 150466001      | 150471000    | 2.52E-21 |
| chr3       | 150467001      | 150472000    | 6.52E-21 |
| chr3       | 150468001      | 150473000    | 1.77E-23 |
| chr3       | 150536001      | 150541000    | 9.86E-20 |
| chr3       | 150658001      | 150663000    | 8.18E-07 |
| chr3       | 150659001      | 150664000    | 1.10E-07 |
| chr3       | 150682001      | 150687000    | 2.79E-09 |
| chr3       | 150685001      | 150690000    | 2.21E-05 |
| chr3       | 150703001      | 150708000    | 0.000675489 |
| chr3       | 150704001      | 150709000    | 0.001443572 |
| chr3       | 151660001      | 151665000    | 8.79E-06 |
| chr3       | 151675001      | 151680000    | 1.23E-05 |
| chr3       | 151676001      | 151681000    | 1.57E-06 |
| chr3       | 151677001      | 151682000    | 1.30E-09 |
| chr3       | 151679001      | 151684000    | 0.000148471 |
| chr3       | 151741001      | 151746000    | 9.14E-07 |
| chr3       | 151742001      | 151747000    | 2.90E-06 |
| chr3       | 151743001      | 151748000    | 1.33E-06 |
| chr3       | 151771001      | 151776000    | 0.000852468 |
| chr3       | 151772001      | 151777000    | 0.001449671 |
| chr3       | 151773001      | 151778000    | 0.000148474 |
| chr3       | 151774001      | 151779000    | 1.49E-05 |
| chr3       | 151775001      | 151780000    | 4.50E-05 |
| chr3       | 151777001      | 151782000    | 0.002024595 |
| chr3       | 151854001      | 151859000    | 6.95E-05 |
| chr3       | 152248001      | 152253000    | 3.44E-05 |
| chr3       | 152249001      | 152254000    | 0.00094576 |
| chr3       | 153525001      | 153530000    | 0.000402213 |
| chr3       | 153570001      | 153575000    | 0.0010083035 |
| chr3       | 153571001      | 153576000    | 0.006826509 |
| chr3       | 153620001      | 153625000    | 8.11E-10 |
| chr3       | 153621001      | 153626000    | 0.001231557 |
| chr3       | 153642001      | 153647000    | 1.21E-08 |
| chr3       | 153675001      | 153680000    | 5.82E-06 |
| chr3       | 153676001      | 153681000    | 1.09E-06 |
| chr3       | 153730001      | 153735000    | 0.000228143 |
| chr3       | 153731001      | 153736000    | 0.000228143 |
| chr3       | 153771001      | 153776000    | 6.78E-05 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr3       | 153853001      | 153858000    | 3.76E-05 |
| chr3       | 153874001      | 153879000    | 7.24E-05 |
| chr3       | 153875001      | 153880000    | 0.000111014 |
| chr3       | 153902001      | 153907000    | 6.35E-09 |
| chr3       | 153903001      | 153908000    | 9.54E-11 |
| chr3       | 153947001      | 153952000    | 0.017897151 |
| chr3       | 154237001      | 154242000    | 0.003751167 |
| chr3       | 154275001      | 154280000    | 0.00104695 |
| chr3       | 154276001      | 154281000    | 0.007940933 |
| chr3       | 154380001      | 154385000    | 7.51E-05 |
| chr3       | 154428001      | 154433000    | 4.28E-07 |
| chr3       | 154429001      | 154434000    | 1.12E-06 |
| chr3       | 154472001      | 154477000    | 3.86E-09 |
| chr3       | 154473001      | 154478000    | 2.20E-10 |
| chr3       | 154474001      | 154479000    | 1.39E-11 |
| chr3       | 154475001      | 154480000    | 8.55E-14 |
| chr3       | 154476001      | 154481000    | 3.05E-07 |
| chr3       | 154495001      | 154500000    | 0.000900025 |
| chr3       | 154502001      | 154507000    | 8.69E-06 |
| chr3       | 154545001      | 154550000    | 0.000138757 |
| chr3       | 154546001      | 154551000    | 0.00152324 |
| chr3       | 154547001      | 154552000    | 0.000410409 |
| chr3       | 154607001      | 154612000    | 3.26E-28 |
| chr3       | 154614001      | 154619000    | 0.003960883 |
| chr3       | 154732001      | 154737000    | 4.75E-06 |
| chr3       | 154733001      | 154738000    | 5.18E-05 |
| chr3       | 154734001      | 154739000    | 2.44E-05 |
| chr3       | 154764001      | 154769000    | 8.36E-07 |
| chr3       | 154781001      | 154786000    | 0.000487873 |
| chr3       | 154782001      | 154787000    | 0.000223084 |
| chr3       | 154784001      | 154789000    | 0.001704101 |
| chr3       | 154823001      | 154828000    | 5.68E-05 |
| chr3       | 154869001      | 154874000    | 0.000331261 |
| chr3       | 154870001      | 154875000    | 3.87E-05 |
| chr3       | 154871001      | 154876000    | 0.000140636 |
| chr3       | 154872001      | 154877000    | 1.01E-05 |
| chr3       | 154873001      | 154878000    | 0.000808017 |
| chr3       | 154881001      | 154886000    | 0.000113426 |
| chr3       | 154882001      | 154887000    | 0.00156581 |
| chr3       | 154890001      | 154895000    | 0.006170812 |
| chr3       | 154891001      | 154896000    | 1.29E-05 |
| chr3       | 154892001      | 154897000    | 5.69E-08 |
| chr3       | 154893001      | 154898000    | 2.08E-06 |
| chr3       | 154894001      | 154899000    | 9.55E-10 |
| chr3       | 154946001      | 154951000    | 2.25E-05 |
| chr3       | 154972001      | 154977000    | 2.60E-05 |
| chr3       | 155014001      | 155019000    | 0.000844446 |
| chr3       | 155015001      | 155020000    | 0.001715633 |
| chr3 | 155064001 | 155069000 | 0.003820587 |
|------|----------|----------|-------------|
| chr3 | 155065001 | 155070000 | 0.00114198  |
| chr3 | 155072001 | 155077000 | 2.57E-09    |
| chr3 | 155416001 | 155421000 | 1.95E-07    |
| chr3 | 155417001 | 155422000 | 5.37E-06    |
| chr3 | 155429001 | 155434000 | 2.30E-05    |
| chr3 | 155802001 | 155807000 | 3.01E-08    |
| chr3 | 155810001 | 155815000 | 3.84E-07    |
| chr3 | 155811001 | 155816000 | 4.02E-06    |
| chr3 | 155812001 | 155817000 | 0.00153082  |
| chr3 | 155846001 | 155851000 | 3.55E-10    |
| chr3 | 155847001 | 155852000 | 4.13E-10    |
| chr3 | 155848001 | 155853000 | 1.25E-05    |
| chr3 | 155849001 | 155854000 | 0.000366725 |
| chr3 | 155870001 | 155875000 | 3.48E-06    |
| chr3 | 155871001 | 155876000 | 7.23E-07    |
| chr3 | 155872001 | 155877000 | 8.47E-10    |
| chr3 | 155873001 | 155878000 | 0.000381021 |
| chr3 | 155927001 | 155932000 | 2.05E-06    |
| chr3 | 156114001 | 156119000 | 3.69E-13    |
| chr3 | 156115001 | 156120000 | 1.14E-13    |
| chr3 | 156116001 | 156121000 | 1.12E-12    |
| chr3 | 156154001 | 156159000 | 0.000205319 |
| chr3 | 156162001 | 156167000 | 2.31E-08    |
| chr3 | 156163001 | 156168000 | 8.43E-07    |
| chr3 | 156164001 | 156169000 | 0.000187275 |
| chr3 | 156195001 | 156200000 | 1.92E-05    |
| chr3 | 156490001 | 156495000 | 4.23E-07    |
| chr3 | 156493001 | 156498000 | 3.36E-06    |
| chr3 | 156584001 | 156589000 | 0.01154418  |
| chr3 | 156599001 | 156604000 | 1.55E-08    |
| chr3 | 156600001 | 156605000 | 5.07E-12    |
| chr3 | 156601001 | 156606000 | 3.37E-11    |
| chr3 | 156602001 | 156607000 | 1.50E-11    |
| chr3 | 156610001 | 156615000 | 4.35E-07    |
| chr3 | 156611001 | 156616000 | 3.04E-07    |
| chr3 | 156626001 | 156631000 | 3.96E-05    |
| chr3 | 156627001 | 156632000 | 1.34E-06    |
| chr3 | 156655001 | 156660000 | 1.41E-08    |
| chr3 | 156656001 | 156661000 | 1.82E-09    |
| chr3 | 156657001 | 156662000 | 2.93E-09    |
| chr3 | 156658001 | 156663000 | 4.21E-08    |
| chr3 | 156659001 | 156664000 | 4.73E-10    |
| chr3 | 156670001 | 156675000 | 4.36E-06    |
| chr3 | 156671001 | 156676000 | 1.15E-05    |
| chr3 | 156672001 | 156677000 | 0.00028168  |
| chr3 | 156690001 | 156695000 | 0.000177663 |
| Chromosome | Start Base  | End Base  | P-value |
|------------|-------------|-----------|---------|
| chr3       | 156691001   | 156696000 | 4.08E-07|
| chr3       | 156692001   | 156698000 | 1.28E-09|
| chr3       | 156701001   | 156706000 | 3.37E-05|
| chr3       | 156710001   | 156715000 | 1.59E-08|
| chr3       | 156711001   | 156716000 | 6.08E-10|
| chr3       | 156713001   | 156718000 | 4.19E-10|
| chr3       | 156736001   | 156741000 | 1.05E-06|
| chr3       | 156931001   | 156940000 | 1.43E-07|
| chr3       | 156998001   | 157003000 | 6.00E-06|
| chr3       | 157006001   | 157011000 | 1.96E-12|
| chr3       | 157010001   | 157015000 | 2.80E-08|
| chr3       | 157037001   | 157042000 | 8.10E-05|
| chr3       | 157038001   | 157043000 | 1.39E-05|
| chr3       | 157039001   | 157044000 | 2.52E-05|
| chr3       | 157040001   | 157045000 | 6.83E-09|
| chr3       | 157041001   | 157046000 | 1.05E-10|
| chr3       | 157042001   | 157047000 | 4.23E-07|
| chr3       | 157043001   | 157048000 | 1.76E-06|
| chr3       | 157050001   | 157055000 | 8.47E-05|
| chr3       | 157051001   | 157056000 | 0.000151172|
| chr3       | 157075001   | 157080000 | 7.18E-12|
| chr3       | 157076001   | 157081000 | 2.83E-13|
| chr3       | 157077001   | 157082000 | 1.12E-13|
| chr3       | 157078001   | 157083000 | 2.81E-12|
| chr3       | 157079001   | 157084000 | 5.14E-10|
| chr3       | 157085001   | 157090000 | 3.44E-08|
| chr3       | 157086001   | 157091000 | 2.81E-09|
| chr3       | 157087001   | 157092000 | 3.65E-09|
| chr3       | 157089001   | 157094000 | 1.20E-11|
| chr3       | 157090001   | 157095000 | 9.39E-10|
| chr3       | 157091001   | 157096000 | 3.62E-10|
| chr3       | 157092001   | 157097000 | 3.63E-07|
| chr3       | 157104001   | 157109000 | 8.74E-11|
| chr3       | 157116001   | 157121000 | 1.23E-07|
| chr3       | 157123001   | 157128000 | 4.61E-05|
| chr3       | 157124001   | 157129000 | 0.003090749|
| chr3       | 157169001   | 157174000 | 6.39E-06|
| chr3       | 157170001   | 157175000 | 1.28E-05|
| chr3       | 157171001   | 157176000 | 9.34E-07|
| chr3       | 157172001   | 157177000 | 6.18E-07|
| chr3       | 157189001   | 157194000 | 9.65E-08|
| chr3       | 157190001   | 157195000 | 1.03E-08|
| chr3       | 157191001   | 157196000 | 5.00E-08|
| chr3       | 157205001   | 157210000 | 0.014158642|
| chr3       | 157212001   | 157217000 | 2.42E-07|
| chr3       | 157218001   | 157223000 | 1.29E-05|
| Chr | Start | End   | P-value     |
|-----|-------|-------|-------------|
| chr3 | 157219001 | 157224000 | 0.000166755 |
| chr3 | 157236001 | 157241000 | 3.57E-09    |
| chr3 | 157238001 | 157243000 | 1.73E-09    |
| chr3 | 157239001 | 157244000 | 8.70E-10    |
| chr3 | 157255001 | 157260000 | 6.73E-10    |
| chr3 | 157308001 | 157313000 | 7.62E-05    |
| chr3 | 157309001 | 157314000 | 3.12E-05    |
| chr3 | 157384001 | 157389000 | 5.70E-06    |
| chr3 | 157426001 | 157431000 | 1.02E-22    |
| chr3 | 157428001 | 157433000 | 2.95E-14    |
| chr3 | 157457001 | 157462000 | 0.002715577 |
| chr3 | 157458001 | 157463000 | 0.00520973  |
| chr3 | 157459001 | 157464000 | 0.001264907 |
| chr3 | 157480001 | 157485000 | 3.90E-05    |
| chr3 | 157481001 | 157486000 | 0.000484002 |
| chr3 | 157482001 | 157487000 | 7.68E-06    |
| chr3 | 157483001 | 157488000 | 0.000711296 |
| chr3 | 157484001 | 157489000 | 0.00160634  |
| chr3 | 157485001 | 157490000 | 2.66E-05    |
| chr3 | 157487001 | 157492000 | 1.80E-05    |
| chr3 | 157488001 | 157493000 | 2.60E-06    |
| chr3 | 157505001 | 157510000 | 4.95E-07    |
| chr3 | 157506001 | 157511000 | 1.17E-05    |
| chr3 | 157538001 | 157543000 | 0.000508401 |
| chr3 | 157539001 | 157544000 | 0.00122588  |
| chr3 | 157544001 | 157549000 | 4.18E-06    |
| chr3 | 157545001 | 157550000 | 9.86E-07    |
| chr3 | 157546001 | 157551000 | 1.37E-07    |
| chr3 | 157547001 | 157552000 | 1.15E-06    |
| chr3 | 157569001 | 157574000 | 4.49E-06    |
| chr3 | 157571001 | 157576000 | 0.002593765 |
| chr3 | 157572001 | 157577000 | 0.000748159 |
| chr3 | 157658001 | 157663000 | 0.009880334 |
| chr3 | 157659001 | 157664000 | 0.019080577 |
| chr3 | 157660001 | 157665000 | 0.008087335 |
| chr3 | 157661001 | 157666000 | 0.01532517  |
| chr3 | 157669001 | 157674000 | 3.50E-07    |
| chr3 | 157670001 | 157675000 | 3.05E-14    |
| chr3 | 157671001 | 157676000 | 3.60E-10    |
| chr3 | 157672001 | 157677000 | 1.30E-12    |
| chr3 | 157673001 | 157678000 | 2.96E-13    |
| chr3 | 157765001 | 157770000 | 0.000807391 |
| chr3 | 157766001 | 157771000 | 2.68E-05    |
| chr3 | 157767001 | 157772000 | 2.82E-05    |
| chr3 | 157768001 | 157773000 | 0.000107328 |
| Chromosome | Start Position | End Position | Score |
|------------|----------------|--------------|-------|
| chr3       | 157794001      | 157799000    | 6.30E-07 |
| chr3       | 157795001      | 157800000    | 6.79E-10 |
| chr3       | 157796001      | 157801000    | 5.23E-08 |
| chr3       | 157797001      | 157802000    | 0.000329393 |
| chr3       | 157798001      | 157803000    | 0.000549544 |
| chr3       | 158044001      | 158049000    | 1.11E-16 |
| chr3       | 158045001      | 158050000    | 5.28E-17 |
| chr3       | 158046001      | 158051000    | 5.03E-19 |
| chr3       | 158047001      | 158052000    | 7.91E-25 |
| chr3       | 158589001      | 158594000    | 2.93E-07 |
| chr3       | 158590001      | 158595000    | 2.00E-07 |
| chr3       | 158597001      | 158602000    | 1.64E-05 |
| chr3       | 158685001      | 158690000    | 6.75E-07 |
| chr3       | 158740001      | 158745000    | 3.19E-07 |
| chr3       | 158741001      | 158746000    | 6.30E-09 |
| chr3       | 158742001      | 158747000    | 7.92E-08 |
| chr3       | 158743001      | 158748000    | 1.81E-07 |
| chr3       | 158744001      | 158749000    | 1.20E-07 |
| chr3       | 158745001      | 158750000    | 9.35E-05 |
| chr3       | 158746001      | 158751000    | 0.000201792 |
| chr3       | 158837001      | 158842000    | 0.000139893 |
| chr3       | 158838001      | 158843000    | 2.10E-05 |
| chr3       | 158839001      | 158844000    | 9.47E-08 |
| chr3       | 158840001      | 158845000    | 1.44E-08 |
| chr3       | 158841001      | 158846000    | 6.04E-07 |
| chr3       | 158842001      | 158847000    | 0.000168275 |
| chr3       | 158901001      | 158906000    | 1.52E-12 |
| chr3       | 158902001      | 158907000    | 5.42E-12 |
| chr3       | 158903001      | 158908000    | 3.05E-13 |
| chr3       | 159015001      | 159020000    | 1.76E-06 |
| chr3       | 159016001      | 159021000    | 2.06E-06 |
| chr3       | 159029001      | 159034000    | 0.01511558 |
| chr3       | 159030001      | 159035000    | 3.26E-08 |
| chr3       | 159031001      | 159036000    | 4.44E-07 |
| chr3       | 159042001      | 159047000    | 5.30E-06 |
| chr3       | 159043001      | 159048000    | 6.72E-07 |
| chr3       | 159044001      | 159049000    | 4.44E-08 |
| chr3       | 159045001      | 159050000    | 3.38E-08 |
| chr3       | 159046001      | 159051000    | 3.61E-06 |
| chr3       | 159047001      | 159052000    | 5.71E-05 |
| chr3       | 159048001      | 159053000    | 7.77E-05 |
| chr3       | 159163001      | 159168000    | 3.89E-07 |
| chr3       | 159250001      | 159255000    | 0.001130109 |
| chr3       | 159251001      | 159256000    | 5.23E-05 |
| chr3       | 159252001      | 159257000    | 0.000481622 |
| chr3       | 159254001      | 159259000    | 0.00262369 |
| chr3       | 159255001      | 159260000    | 0.001454749 |
| chr3       | 159261001      | 159266000    | 0.00899501 |
| Chr | Start | End | Value |
|-----|-------|-----|-------|
| chr3 | 159262001 | 159267000 | 0.004843722 |
| chr3 | 159263001 | 159268000 | 0.001273478 |
| chr3 | 159264001 | 159269000 | 0.003090882 |
| chr3 | 159282001 | 159287000 | 6.44E-05 |
| chr3 | 159283001 | 159288000 | 0.00171177 |
| chr3 | 159399001 | 159404000 | 3.55E-05 |
| chr3 | 159652001 | 159657000 | 1.15E-06 |
| chr3 | 159663001 | 159669000 | 2.22E-05 |
| chr3 | 160327001 | 160332000 | 6.16E-09 |
| chr3 | 160328001 | 160333000 | 2.25E-09 |
| chr3 | 160329001 | 160334000 | 1.53E-05 |
| chr3 | 160335001 | 160340000 | 1.50E-06 |
| chr3 | 160336001 | 160341000 | 1.15E-06 |
| chr3 | 160341001 | 160346000 | 1.27E-05 |
| chr3 | 160342001 | 160347000 | 0.000160586 |
| chr3 | 160384001 | 160389000 | 1.05E-15 |
| chr3 | 160385001 | 160390000 | 2.03E-18 |
| chr3 | 160386001 | 160391000 | 2.54E-17 |
| chr3 | 160387001 | 160392000 | 2.44E-08 |
| chr3 | 160446001 | 160451000 | 7.69E-05 |
| chr3 | 160447001 | 160452000 | 2.02E-05 |
| chr3 | 160448001 | 160453000 | 1.63E-05 |
| chr3 | 160479001 | 160484000 | 0.000567205 |
| chr3 | 160481001 | 160486000 | 6.01E-09 |
| chr3 | 160506001 | 160511000 | 0.00088588 |
| chr3 | 160507001 | 160512000 | 0.00086863 |
| chr3 | 160611001 | 160616000 | 1.61E-05 |
| chr3 | 160612001 | 160617000 | 1.94E-06 |
| chr3 | 160613001 | 160618000 | 3.03E-06 |
| chr3 | 160614001 | 160619000 | 4.02E-06 |
| chr3 | 160615001 | 160620000 | 1.35E-05 |
| chr3 | 160684001 | 160689000 | 1.21E-07 |
| chr3 | 160687001 | 160692000 | 1.41E-09 |
| chr3 | 160708001 | 160713000 | 0.001699138 |
| chr3 | 160709001 | 160714000 | 9.71E-05 |
| chr3 | 160710001 | 160715000 | 3.45E-06 |
| chr3 | 160711001 | 160716000 | 6.27E-06 |
| chr3 | 160712001 | 160717000 | 1.42E-05 |
| chr3 | 160713001 | 160718000 | 4.14E-05 |
| chr3 | 160714001 | 160719000 | 5.27E-05 |
| chr3 | 160775001 | 160780000 | 1.61E-05 |
| chr3 | 160776001 | 160781000 | 3.43E-05 |
| chr3 | 160789001 | 160794000 | 6.62E-05 |
| chr3 | 160841001 | 160846000 | 0.000868748 |
| chr3 | 160845001 | 160850000 | 0.010647136 |
| chr3 | 160846001 | 160851000 | 0.014739229 |
| chr3 | 160854001 | 160859000 | 7.54E-09 |
| chr3 | 160855001 | 160860000 | 2.64E-09 |
|-------|-----------|-----------|----------|
| chr3  | 161040001 | 161045000 | 4.05E-06 |
| chr3  | 161064001 | 161069000 | 9.27E-11 |
| chr3  | 161065001 | 161070000 | 1.08E-11 |
| chr3  | 161183001 | 161188000 | 0.002356015 |
| chr3  | 161184001 | 161189000 | 0.003036445 |
| chr3  | 161186001 | 161189000 | 9.27E-11 |
| chr3  | 161210001 | 161215000 | 1.08E-11 |
| chr3  | 161211001 | 161216000 | 5.95E-05 |
| chr3  | 161212001 | 161217000 | 4.86E-07 |
| chr3  | 161213001 | 161218000 | 1.71E-08 |
| chr3  | 161214001 | 161219000 | 7.37E-10 |
| chr3  | 161215001 | 161220000 | 3.28E-11 |
| chr3  | 161216001 | 161221000 | 6.77E-06 |
| chr3  | 161226001 | 161231000 | 0.000563142 |
| chr3  | 161227001 | 161232000 | 0.001361047 |
| chr3  | 161228001 | 161233000 | 6.49E-06 |
| chr3  | 161284001 | 161289000 | 0.004350546 |
| chr3  | 161285001 | 161290000 | 0.000107432 |
| chr3  | 161286001 | 161291000 | 9.37E-05 |
| chr3  | 161287001 | 161292000 | 3.73E-07 |
| chr3  | 161301001 | 161306000 | 8.40E-06 |
| chr3  | 161309001 | 161314000 | 0.000954512 |
| chr3  | 161310001 | 161315000 | 0.001084032 |
| chr3  | 161331001 | 161336000 | 0.000520138 |
| chr3  | 161342001 | 161347000 | 0.010421305 |
| chr3  | 161343001 | 161348000 | 0.001327109 |
| chr3  | 161344001 | 161349000 | 1.64E-05 |
| chr3  | 161345001 | 161350000 | 2.11E-05 |
| chr3  | 161346001 | 161351000 | 0.000126736 |
| chr3  | 161460001 | 161465000 | 7.48E-05 |
| chr3  | 161461001 | 161466000 | 0.000907349 |
| chr3  | 161519001 | 161524000 | 0.004026079 |
| chr3  | 161586001 | 161591000 | 0.000983522 |
| chr3  | 161587001 | 161592000 | 0.000817816 |
| chr3  | 161588001 | 161593000 | 0.0008180416 |
| chr3  | 161612001 | 161617000 | 0.000247267 |
| chr3  | 161613001 | 161618000 | 0.00092577 |
| chr3  | 161676001 | 161681000 | 0.000213785 |
| chr3  | 161688001 | 161693000 | 1.34E-06 |
| chr3  | 161689001 | 161694000 | 1.33E-06 |
| chr3  | 161690001 | 161695000 | 2.22E-06 |
| chr3  | 161812001 | 161817000 | 0.000268615 |
| chr3  | 161813001 | 161818000 | 6.66E-06 |
| chr3  | 161814001 | 161819000 | 1.25E-05 |
| chr3  | 161828001 | 161833000 | 0.0002658 |
| chr3  | 161840001 | 161845000 | 2.64E-05 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr3       | 161842001      | 161847000    | 0.004564279 |
| chr3       | 161843001      | 161848000    | 0.002183564 |
| chr3       | 162039001      | 162044000    | 2.37E-05  |
| chr3       | 162046001      | 162051000    | 0.008118465 |
| chr3       | 162050001      | 162055000    | 4.19E-05  |
| chr3       | 162135001      | 162140000    | 1.69E-05  |
| chr3       | 162148001      | 162153000    | 0.011586808 |
| chr3       | 162163001      | 162168000    | 0.00079242 |
| chr3       | 162164001      | 162169000    | 3.26E-07  |
| chr3       | 162165001      | 162170000    | 4.03E-08  |
| chr3       | 162196001      | 162201000    | 0.000230568 |
| chr3       | 162199001      | 162204000    | 1.20E-05  |
| chr3       | 162237001      | 162242000    | 1.93E-06  |
| chr3       | 162238001      | 162243000    | 9.86E-08  |
| chr3       | 162257001      | 162262000    | 0.00937372 |
| chr3       | 162263001      | 162268000    | 0.000145376 |
| chr3       | 162264001      | 162269000    | 4.76E-05  |
| chr3       | 162313001      | 162318000    | 3.63E-22  |
| chr3       | 162319001      | 162324000    | 4.04E-13  |
| chr3       | 162320001      | 162325000    | 3.60E-12  |
| chr3       | 162352001      | 162357000    | 6.70E-05  |
| chr3       | 162489001      | 162494000    | 0.00089567 |
| chr3       | 162744001      | 162749000    | 0.017306769 |
| chr3       | 162758001      | 162763000    | 3.14E-10  |
| chr3       | 162761001      | 162766000    | 2.47E-08  |
| chr3       | 162762001      | 162767000    | 3.98E-05  |
| chr3       | 162917001      | 162922000    | 0.000119255 |
| chr3       | 162918001      | 162923000    | 0.000103274 |
| chr3       | 162919001      | 162924000    | 0.000110126 |
| chr3       | 162920001      | 162925000    | 0.000430921 |
| chr3       | 162933001      | 162938000    | 0.002843176 |
| chr3       | 162994001      | 162999000    | 3.59E-05  |
| chr3       | 162995001      | 163000000    | 0.005329166 |
| chr3       | 163022001      | 163027000    | 9.84E-06  |
| chr3       | 163176001      | 163181000    | 1.05E-06  |
| chr3       | 163493001      | 163498000    | 1.74E-05  |
| chr3       | 163666001      | 163671000    | 1.28E-10  |
| chr3       | 163709001      | 163714000    | 3.83E-06  |
| chr3       | 163710001      | 163715000    | 6.49E-07  |
| chr3       | 163711001      | 163716000    | 3.59E-07  |
| chr3       | 163712001      | 163717000    | 2.89E-10  |
| chr3       | 163713001      | 163718000    | 7.70E-12  |
| chr3       | 163768001      | 163773000    | 0.000130773 |
| chr3       | 163925001      | 163930000    | 5.02E-05  |
| chr3       | 163926001      | 163931000    | 0.004204913 |
| chr3       | 164096001      | 164101000    | 4.37E-06  |
| chr3       | 164097001      | 164102000    | 7.57E-07  |
| chr3       | 164098001      | 164103000    | 2.03E-05  |
| Chr  | Start Base | End Base   | P-value     |
|------|------------|------------|-------------|
| chr3 | 164177001  | 164182000  | 3.82E-05    |
| chr3 | 164240001  | 164245000  | 3.44E-05    |
| chr3 | 164302001  | 164307000  | 4.26E-06    |
| chr3 | 164447001  | 164452000  | 0.00134588  |
| chr3 | 164448001  | 164453000  | 5.78E-05    |
| chr3 | 164497001  | 164502000  | 3.72E-26    |
| chr3 | 164553001  | 164558000  | 0.001045325 |
| chr3 | 164560001  | 164565000  | 0.000146793 |
| chr3 | 164617001  | 164622000  | 1.90E-05    |
| chr3 | 164618001  | 164623000  | 2.47E-05    |
| chr3 | 164888001  | 164893000  | 3.10E-05    |
| chr3 | 164926001  | 164931000  | 0.000299106 |
| chr3 | 165056001  | 165061000  | 2.18E-11    |
| chr3 | 165057001  | 165062000  | 2.02E-09    |
| chr3 | 165059001  | 165064000  | 1.59E-09    |
| chr3 | 165153001  | 165158000  | 0.00130677  |
| chr3 | 165156001  | 165161000  | 0.00035748  |
| chr3 | 165316001  | 165321000  | 0.00380455  |
| chr3 | 165317001  | 165322000  | 0.003024519 |
| chr3 | 165318001  | 165323000  | 0.001488433 |
| chr3 | 165319001  | 165324000  | 0.001187613 |
| chr3 | 165442001  | 165447000  | 1.48E-06    |
| chr3 | 165560001  | 165565000  | 1.55E-06    |
| chr3 | 165561001  | 165566000  | 2.76E-07    |
| chr3 | 165568001  | 165573000  | 0.002609477 |
| chr3 | 165569001  | 165574000  | 0.001538292 |
| chr3 | 165666001  | 165671000  | 0.00148935  |
| chr3 | 165667001  | 165672000  | 0.00016549  |
| chr3 | 165701001  | 165706000  | 2.05E-07    |
| chr3 | 165803001  | 165808000  | 0.000989169 |
| chr3 | 165848001  | 165853000  | 2.29E-05    |
| chr3 | 165940001  | 165945000  | 0.001178842 |
| chr3 | 165966001  | 165971000  | 0.001538292 |
| chr3 | 165967001  | 165972000  | 5.16E-07    |
| chr3 | 165968001  | 165973000  | 0.000514365 |
| chr3 | 165992001  | 165997000  | 8.52E-06    |
| chr3 | 165993001  | 165998000  | 1.08E-06    |
| chr3 | 165994001  | 165999000  | 6.92E-08    |
| chr3 | 166042001  | 166047000  | 1.45E-05    |
| chr3 | 166047001  | 166052000  | 0.001524023 |
| chr3 | 166048001  | 166053000  | 0.000932736 |
| chr3 | 166065001  | 166070000  | 3.88E-05    |
| chr3 | 166102001  | 166107000  | 2.07E-06    |
| chr3 | 166272001  | 166277000  | 0.003078893 |
| chr3 | 166273001  | 166278000  | 0.002397905 |
| chr3 | 166296001  | 166301000  | 0.003626652 |
| chr3 | 166317001  | 166322000  | 2.47E-08    |
| chr3 | 166318001  | 166323000  | 1.22E-09    |
| Chromosome | Start | End   | Score  |
|------------|-------|-------|--------|
| chr3       | 167835001 | 167840000 | 5.10E-09 |
| chr3       | 167837001 | 167842000 | 1.35E-14 |
| chr3       | 167838001 | 167843000 | 6.66E-15 |
| chr3       | 167839001 | 167844000 | 1.11E-06 |
| chr3       | 167840001 | 167845000 | 7.94E-07 |
| chr3       | 167841001 | 167846000 | 5.73E-08 |
| chr3       | 167853001 | 167858000 | 7.96E-05 |
| chr3       | 167855001 | 167860000 | 0.001149575 |
| chr3       | 167856001 | 167861000 | 0.002165367 |
| chr3       | 167920001 | 167925000 | 7.31E-07 |
| chr3       | 167939001 | 167944000 | 2.19E-08 |
| chr3       | 168009001 | 168014000 | 4.11E-07 |
| chr3       | 168013001 | 168018000 | 0.002137728 |
| chr3       | 168189001 | 168194000 | 8.68E-07 |
| chr3       | 168191001 | 168196000 | 2.89E-05 |
| chr3       | 168200001 | 168205000 | 4.79E-05 |
| chr3       | 168470001 | 168475000 | 0.001599555 |
| chr3       | 168565001 | 168570000 | 0.003432115 |
| chr3       | 168602001 | 168607000 | 0.000498948 |
| chr3       | 168683001 | 168688000 | 2.25E-05 |
| chr3       | 168684001 | 168689000 | 1.43E-05 |
| chr3       | 168685001 | 168690000 | 5.34E-05 |
| chr3       | 169658001 | 169663000 | 1.12E-07 |
| chr3       | 170265001 | 170270000 | 3.59E-07 |
| chr3       | 170266001 | 170271000 | 3.85E-08 |
| chr3       | 170267001 | 170272000 | 8.53E-12 |
| chr3       | 170406001 | 170411000 | 3.57E-21 |
| chr3       | 171594001 | 171599000 | 6.80E-08 |
| chr3       | 171813001 | 171818000 | 4.33E-08 |
| chr3       | 171814001 | 171819000 | 3.05E-08 |
| chr3       | 171858001 | 171863000 | 1.02E-12 |
| chr3       | 171934001 | 171939000 | 0.000253951 |
| chr3       | 172233001 | 172238000 | 2.93E-07 |
| chr3       | 172234001 | 172239000 | 1.76E-07 |
| chr3       | 172236001 | 172241000 | 7.97E-06 |
| chr3       | 172279001 | 172284000 | 6.72E-08 |
| chr3       | 172463001 | 172468000 | 4.78E-27 |
| chr3       | 172558001 | 172563000 | 1.10E-11 |
| chr3       | 172615001 | 172620000 | 1.43E-06 |
| chr3       | 172658001 | 172663000 | 1.32E-07 |
| chr3       | 172684001 | 172689000 | 1.12E-07 |
| chr3       | 172685001 | 172690000 | 6.58E-07 |
| chr3       | 172717001 | 172722000 | 2.21E-06 |
| chr3       | 172727001 | 172732000 | 3.98E-25 |
| chr3       | 172729001 | 172734000 | 4.30E-05 |
| chr3       | 172747001 | 172752000 | 4.84E-07 |
| chr3       | 172748001 | 172753000 | 3.47E-07 |
| chr3       | 172749001 | 172754000 | 3.17E-07 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr3       | 172765001      | 172770000    | 6.80E-11 |
| chr3       | 172813001      | 172818000    | 3.49E-05 |
| chr3       | 172814001      | 172819000    | 3.13E-05 |
| chr3       | 172815001      | 172820000    | 6.51E-08 |
| chr3       | 172816001      | 172821000    | 1.64E-09 |
| chr3       | 172832001      | 172837000    | 0.000146749 |
| chr3       | 172839001      | 172844000    | 4.47E-08 |
| chr3       | 172840001      | 172845000    | 5.67E-09 |
| chr3       | 172850001      | 172855000    | 0.000648565 |
| chr3       | 172851001      | 172856000    | 4.27E-06 |
| chr3       | 172852001      | 172857000    | 0.00181625 |
| chr3       | 172862001      | 172867000    | 1.07E-09 |
| chr3       | 172909001      | 172914000    | 1.03E-08 |
| chr3       | 172910001      | 172915000    | 3.33E-07 |
| chr3       | 172911001      | 172916000    | 2.96E-07 |
| chr3       | 172912001      | 172917000    | 3.00E-09 |
| chr3       | 172913001      | 172918000    | 2.17E-09 |
| chr3       | 172916001      | 172921000    | 0.000166107 |
| chr3       | 172938001      | 172943000    | 4.18E-05 |
| chr3       | 172939001      | 172944000    | 2.20E-07 |
| chr3       | 172958001      | 172963000    | 0.002933259 |
| chr3       | 172959001      | 172964000    | 0.004080927 |
| chr3       | 172960001      | 172965000    | 1.05E-05 |
| chr3       | 173007001      | 173012000    | 4.92E-08 |
| chr3       | 173008001      | 173013000    | 3.00E-06 |
| chr3       | 173031001      | 173036000    | 1.16E-06 |
| chr3       | 173047001      | 173052000    | 5.86E-05 |
| chr3       | 173048001      | 173053000    | 0.000143351 |
| chr3       | 173049001      | 173054000    | 1.47E-09 |
| chr3       | 173050001      | 173055000    | 1.44E-10 |
| chr3       | 173053001      | 173058000    | 2.06E-11 |
| chr3       | 173093001      | 173098000    | 0.003549894 |
| chr3       | 173094001      | 173099000    | 0.004350962 |
| chr3       | 173131001      | 173136000    | 4.43E-09 |
| chr3       | 173153001      | 173158000    | 3.09E-05 |
| chr3       | 173200001      | 173205000    | 3.92E-06 |
| chr3       | 173201001      | 173206000    | 3.53E-06 |
| chr3       | 173202001      | 173207000    | 4.43E-05 |
| chr3       | 173223001      | 173228000    | 6.07E-05 |
| chr3       | 173253001      | 173258000    | 8.25E-05 |
| chr3       | 173275001      | 173280000    | 8.96E-13 |
| chr3       | 173276001      | 173281000    | 1.44E-14 |
| chr3       | 173331001      | 173336000    | 0.001205393 |
| chr3       | 173362001      | 173367000    | 9.65E-09 |
| chr3       | 173363001      | 173368000    | 0.001004754 |
| chr3       | 173372001      | 173377000    | 0.007029578 |
| chr3       | 173373001      | 173378000    | 0.000642535 |
| chr3       | 173374001      | 173379000    | 0.000425789 |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr3       | 173375001 | 173380000 | 0.000613187 |
| chr3       | 173376001 | 173380000 | 4.62E-10 |
| chr3       | 173383001 | 173388000 | 5.78E-10 |
| chr3       | 173385001 | 173390000 | 1.31E-13 |
| chr3       | 173386001 | 173391000 | 1.96E-12 |
| chr3       | 173392001 | 173397000 | 7.14E-05 |
| chr3       | 173394001 | 173399000 | 1.72E-05 |
| chr3       | 173441001 | 173446000 | 1.35E-11 |
| chr3       | 173442001 | 173447000 | 1.29E-12 |
| chr3       | 173458001 | 173463000 | 7.66E-06 |
| chr3       | 173459001 | 173464000 | 2.50E-07 |
| chr3       | 173460001 | 173465000 | 1.47E-05 |
| chr3       | 173479001 | 173484000 | 0.000776876 |
| chr3       | 173500001 | 173505000 | 7.33E-05 |
| chr3       | 173501001 | 173506000 | 4.63E-05 |
| chr3       | 173502001 | 173507000 | 5.94E-06 |
| chr3       | 173507001 | 173512000 | 2.50E-05 |
| chr3       | 173508001 | 173513000 | 3.85E-05 |
| chr3       | 173509001 | 173514000 | 4.28E-05 |
| chr3       | 173510001 | 173515000 | 0.000432331 |
| chr3       | 173511001 | 173516000 | 0.000515432 |
| chr3       | 173522001 | 173527000 | 1.11E-05 |
| chr3       | 173523001 | 173528000 | 9.76E-06 |
| chr3       | 173524001 | 173529000 | 3.95E-05 |
| chr3       | 173525001 | 173530000 | 1.45E-05 |
| chr3       | 173526001 | 173531000 | 2.71E-05 |
| chr3       | 173527001 | 173532000 | 0.000334473 |
| chr3       | 173539001 | 173544000 | 8.13E-05 |
| chr3       | 173595001 | 173600000 | 4.01E-08 |
| chr3       | 173596001 | 173601000 | 5.79E-09 |
| chr3       | 173597001 | 173602000 | 5.18E-13 |
| chr3       | 173598001 | 173603000 | 1.77E-13 |
| chr3       | 173599001 | 173604000 | 9.50E-17 |
| chr3       | 173600001 | 173605000 | 2.55E-10 |
| chr3       | 173604001 | 173609000 | 1.58E-06 |
| chr3       | 173656001 | 173661000 | 4.31E-05 |
| chr3       | 173657001 | 173662000 | 1.49E-05 |
| chr3       | 173658001 | 173663000 | 8.72E-07 |
| chr3       | 173659001 | 173664000 | 2.64E-05 |
| chr3       | 173660001 | 173665000 | 1.89E-10 |
| chr3       | 173661001 | 173666000 | 1.13E-07 |
| chr3       | 173679001 | 173684000 | 6.96E-11 |
| chr3       | 173680001 | 173685000 | 2.47E-15 |
| chr3       | 173681001 | 173686000 | 6.19E-16 |
| chr3       | 173682001 | 173687000 | 8.19E-11 |
| chr3       | 173683001 | 173688000 | 6.72E-10 |
| chr3       | 173709001 | 173714000 | 4.91E-08 |
| Chr | Start | End   | P-value       |
|-----|-------|-------|---------------|
| chr3 | 173710001 | 173715000 | 3.58E-09     |
| chr3 | 173735001 | 173740000 | 1.82E-06     |
| chr3 | 173736001 | 173741000 | 7.60E-05     |
| chr3 | 173762001 | 173767000 | 8.93E-06     |
| chr3 | 173765001 | 173770000 | 9.93E-05     |
| chr3 | 173824001 | 173829000 | 5.76E-05     |
| chr3 | 173825001 | 173830000 | 4.56E-06     |
| chr3 | 173826001 | 173831000 | 2.90E-05     |
| chr3 | 173827001 | 173832000 | 0.000796119  |
| chr3 | 173828001 | 173833000 | 3.35E-05     |
| chr3 | 173896001 | 173901000 | 7.99E-05     |
| chr3 | 173938001 | 173943000 | 1.90E-10     |
| chr3 | 173939001 | 173944000 | 3.55E-09     |
| chr3 | 173940001 | 173945000 | 7.12E-09     |
| chr3 | 174048001 | 174053000 | 0.000134784  |
| chr3 | 174049001 | 174054000 | 0.00056164   |
| chr3 | 174050001 | 174055000 | 0.000220084  |
| chr3 | 174292001 | 174297000 | 4.80E-07     |
| chr3 | 174293001 | 174298000 | 2.83E-07     |
| chr3 | 174341001 | 174346000 | 1.27E-08     |
| chr3 | 174342001 | 174347000 | 7.19E-09     |
| chr3 | 174380001 | 174385000 | 3.68E-05     |
| chr3 | 174381001 | 174386000 | 5.22E-05     |
| chr3 | 174424001 | 174429000 | 6.77E-06     |
| chr3 | 174445001 | 174450000 | 0.002987775  |
| chr3 | 174446001 | 174451000 | 0.002632147  |
| chr3 | 175366001 | 175371000 | 3.40E-06     |
| chr3 | 175699001 | 175704000 | 6.04E-07     |
| chr3 | 175700001 | 175705000 | 2.05E-10     |
| chr3 | 175701001 | 175706000 | 4.04E-08     |
| chr3 | 175703001 | 175708000 | 5.79E-11     |
| chr3 | 175704001 | 175709000 | 4.13E-09     |
| chr3 | 175705001 | 175710000 | 9.84E-07     |
| chr3 | 175706001 | 175711000 | 3.03E-07     |
| chr3 | 175707001 | 175712000 | 2.07E-07     |
| chr3 | 175773001 | 175778000 | 0.00122542   |
| chr3 | 175818001 | 175823000 | 0.000355425  |
| chr3 | 175821001 | 175826000 | 1.97E-06     |
| chr3 | 175822001 | 175827000 | 9.20E-07     |
| chr3 | 175902001 | 175907000 | 6.67E-10     |
| chr3 | 175903001 | 175908000 | 8.82E-15     |
| chr3 | 175904001 | 175909000 | 1.39E-14     |
| chr3 | 175905001 | 175910000 | 0.000619769  |
| chr3 | 175932001 | 175937000 | 0.00306978   |
| chr3 | 175938001 | 175943000 | 1.50E-11     |
| chr3 | 175955001 | 175960000 | 0.001947559  |
| chr3 | 175993001 | 175998000 | 7.35E-06     |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr3       | 176021001      | 176026000    | 6.85E-06 |
| chr3       | 176022001      | 176027000    | 3.62E-08 |
| chr3       | 176023001      | 176028000    | 1.49E-06 |
| chr3       | 176024001      | 176029000    | 1.90E-07 |
| chr3       | 176025001      | 176030000    | 1.06E-19 |
| chr3       | 176026001      | 176031000    | 5.44E-18 |
| chr3       | 176027001      | 176032000    | 8.22E-16 |
| chr3       | 176028001      | 176033000    | 1.87E-13 |
| chr3       | 176029001      | 176034000    | 1.06E-19 |
| chr3       | 176030001      | 176035000    | 6.02E-05 |
| chr3       | 176031001      | 176036000    | 3.23E-07 |
| chr3       | 176032001      | 176037000    | 7.79E-07 |
| chr3       | 176033001      | 176038000    | 1.10E-05 |
| chr3       | 176034001      | 176039000    | 6.02E-05 |
| chr3       | 176035001      | 176040000    | 0.000850962 |
| chr3       | 176036001      | 176041000    | 0.004717877 |
| chr3       | 176037001      | 176042000    | 0.001251038 |
| chr3       | 176038001      | 176043000    | 0.0000237133 |
| chr3       | 176039001      | 176044000    | 7.95E-08 |
| chr3       | 176040001      | 176045000    | 8.26E-08 |
| chr3       | 176041001      | 176046000    | 0.000306164 |
| chr3       | 176042001      | 176047000    | 4.03E-05 |
| chr3       | 176043001      | 176048000    | 1.97E-08 |
| chr3       | 176044001      | 176049000    | 1.63E-10 |
| chr3       | 176045001      | 176050000    | 1.49E-12 |
| chr3       | 176046001      | 176051000    | 0.000135772 |
| chr3       | 176047001      | 176052000    | 0.00011618 |
| chr3       | 176048001      | 176053000    | 0.009794795 |
| chr3       | 176049001      | 176054000    | 1.02E-06 |
| chr3       | 176050001      | 176055000    | 4.28E-10 |
| chr3       | 176051001      | 176056000    | 8.72E-10 |
| chr3       | 176052001      | 176057000    | 0.000257184 |
| chr3       | 176053001      | 176058000    | 0.009355888 |
| chr3       | 176054001      | 176059000    | 8.99E-06 |
| chr3       | 176055001      | 176060000    | 0.007819433 |
| chr3       | 176056001      | 176061000    | 0.000318768 |
| chr3       | 176057001      | 176062000    | 6.67E-07 |
| chr3       | 176058001      | 176063000    | 4.84E-07 |
| chr3       | 176059001      | 176064000    | 3.90E-07 |
| chr3       | 176060001      | 176065000    | 9.30E-06 |
| chr3       | 176061001      | 176066000    | 1.30E-05 |
| chr3       | 176062001      | 176067000    | 6.14E-08 |
| chr3       | 176063001      | 176068000    | 4.29E-09 |
| chr3       | 176064001      | 176069000    | 3.53E-09 |
| chr3       | 176065001      | 176070000    | 9.33E-12 |
| chr3       | 176066001      | 176071000    | 6.00E-19 |
| chr3       | 176067001      | 176072000    | 1.84E-18 |
| chr3       | 176068001      | 176073000    | 1.29E-28 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|-------------|---------|
| chr3       | 176654001      | 176659000   | 1.09E-28|
| chr3       | 176656001      | 176661000   | 1.10E-09|
| chr3       | 176825001      | 176830000   | 4.38E-09|
| chr3       | 176826001      | 176831000   | 1.19E-08|
| chr3       | 176827001      | 176832000   | 7.99E-07|
| chr3       | 177095001      | 177100000   | 8.28E-14|
| chr3       | 177163001      | 177168000   | 9.45E-06|
| chr3       | 177164001      | 177169000   | 3.00E-10|
| chr3       | 177165001      | 177170000   | 3.57E-17|
| chr3       | 177166001      | 177171000   | 1.29E-16|
| chr3       | 177237001      | 177242000   | 2.09E-27|
| chr3       | 177486001      | 177491000   | 5.39E-05|
| chr3       | 178060001      | 178111000   | 0.000489871|
| chr3       | 178107001      | 178112000   | 0.000185522|
| chr3       | 178133001      | 178138000   | 8.30E-07|
| chr3       | 178134001      | 178139000   | 2.98E-06|
| chr3       | 178135001      | 178140000   | 9.31E-07|
| chr3       | 178136001      | 178141000   | 0.000316406|
| chr3       | 178196001      | 178201000   | 5.35E-12|
| chr3       | 178197001      | 178202000   | 2.66E-11|
| chr3       | 178198001      | 178203000   | 5.42E-14|
| chr3       | 178199001      | 178204000   | 2.30E-10|
| chr3       | 178204001      | 178209000   | 3.63E-05|
| chr3       | 178217001      | 178222000   | 3.86E-13|
| chr3       | 178218001      | 178223000   | 3.02E-15|
| chr3       | 178219001      | 178224000   | 4.82E-14|
| chr3       | 178220001      | 178225000   | 5.37E-10|
| chr3       | 178221001      | 178226000   | 1.07E-05|
| chr3       | 178480001      | 178485000   | 6.76E-05|
| chr3       | 178482001      | 178487000   | 1.46E-07|
| chr3       | 178592001      | 178597000   | 5.25E-06|
| chr3       | 178605001      | 178610000   | 1.15E-09|
| chr3       | 178606001      | 178611000   | 2.07E-08|
| chr3       | 178607001      | 178612000   | 1.23E-06|
| chr3       | 178645001      | 178650000   | 1.04E-06|
| chr3       | 178646001      | 178651000   | 4.84E-08|
| chr3       | 178670001      | 178675000   | 8.08E-05|
| chr3       | 178683001      | 178688000   | 4.30E-08|
| chr3       | 179161001      | 179166000   | 6.88E-08|
| chr3       | 179171001      | 179176000   | 9.92E-15|
| chr3       | 179194001      | 179199000   | 5.31E-09|
| chr3       | 179195001      | 179200000   | 6.56E-12|
| chr3       | 179196001      | 179201000   | 4.98E-11|
| chr3       | 179197001      | 179202000   | 3.19E-10|
| chr3       | 179275001      | 179280000   | 2.76E-13|
| chr3       | 179526001      | 179531000   | 5.62E-09|
| chr3       | 179527001      | 179532000   | 3.39E-09|
| chr3       | 179528001      | 179533000   | 2.94E-10|
| Chromosome | Start Position | End Position | Log10 P-Value |
|------------|----------------|--------------|---------------|
| chr3       | 179529001      | 179534000    | 3.18E-08      |
| chr3       | 179570001      | 179575000    | 0.00029649    |
| chr3       | 179571001      | 179576000    | 0.000746975   |
| chr3       | 179580001      | 179585000    | 5.81E-12      |
| chr3       | 179619001      | 179624000    | 5.40E-09      |
| chr3       | 179620001      | 179625000    | 1.92E-08      |
| chr3       | 179621001      | 179626000    | 6.58E-07      |
| chr3       | 179709001      | 179714000    | 0.01183678    |
| chr3       | 179711001      | 179716000    | 2.87E-06      |
| chr3       | 179712001      | 179717000    | 6.09E-12      |
| chr3       | 179713001      | 179718000    | 3.69E-17      |
| chr3       | 179714001      | 179719000    | 1.54E-14      |
| chr3       | 179715001      | 179720000    | 9.53E-14      |
| chr3       | 179721001      | 179726000    | 2.51E-10      |
| chr3       | 179722001      | 179727000    | 1.25E-10      |
| chr3       | 179723001      | 179728000    | 1.04E-12      |
| chr3       | 179724001      | 179729000    | 2.88E-11      |
| chr3       | 179725001      | 179730000    | 3.07E-13      |
| chr3       | 179726001      | 179731000    | 5.92E-07      |
| chr3       | 179758001      | 179763000    | 7.03E-06      |
| chr3       | 179759001      | 179764000    | 2.46E-06      |
| chr3       | 179762001      | 179767000    | 8.84E-05      |
| chr3       | 179763001      | 179768000    | 9.69E-07      |
| chr3       | 179774001      | 179779000    | 0.00772747    |
| chr3       | 179775001      | 179780000    | 0.002012814   |
| chr3       | 179797001      | 179802000    | 1.11E-15      |
| chr3       | 179798001      | 179803000    | 1.73E-15      |
| chr3       | 179799001      | 179804000    | 6.58E-17      |
| chr3       | 179800001      | 179805000    | 9.56E-18      |
| chr3       | 179801001      | 179806000    | 2.45E-19      |
| chr3       | 179889001      | 179894000    | 1.12E-10      |
| chr3       | 179890001      | 179895000    | 2.19E-11      |
| chr3       | 179891001      | 179896000    | 9.08E-11      |
| chr3       | 179895001      | 179900000    | 0.013484517   |
| chr3       | 179963001      | 179968000    | 0.00033024    |
| chr3       | 179964001      | 179969000    | 0.000292485   |
| chr3       | 179965001      | 179970000    | 2.74E-06      |
| chr3       | 179966001      | 179971000    | 2.88E-08      |
| chr3       | 179967001      | 179972000    | 0.00683882    |
| chr3       | 179990001      | 179995000    | 1.24E-05      |
| chr3       | 179993001      | 179998000    | 4.10E-06      |
| chr3       | 180004001      | 180009000    | 5.50E-08      |
| chr3       | 180005001      | 180010000    | 4.67E-09      |
| chr3       | 180052001      | 180057000    | 0.000354548   |
| chr3       | 180162001      | 180167000    | 7.66E-10      |
| chr3       | 180225001      | 180230000    | 0.015116907   |
| chr3       | 180345001      | 180350000    | 0.001102753   |
| chr3       | 180346001      | 180351000    | 0.002842229   |
| chr3 |     |     |          |       |
|------|-----|-----|----------|-------|
|      | 180401001 | 180406000 | 2.12E-10 |       |
|      | 180402001 | 180407000 | 9.89E-11 |       |
|      | 180403001 | 180408000 | 2.00E-07 |       |
|      | 180404001 | 180409000 | 1.21E-06 |       |
|      | 180414001 | 180419000 | 8.84E-05 |       |
|      | 180415001 | 180420000 | 1.21E-09 |       |
|      | 180416001 | 180421000 | 1.22E-09 |       |
|      | 180417001 | 180422000 | 6.30E-08 |       |
|      | 180418001 | 180423000 | 3.57E-08 |       |
|      | 180419001 | 180424000 | 1.76E-08 |       |
|      | 180466001 | 180471000 | 0.00154635 |       |
|      | 180467001 | 180472000 | 1.04E-05 |       |
|      | 180483001 | 180488000 | 5.67E-07 |       |
|      | 180507001 | 180512000 | 0.000481132 |       |
|      | 180779001 | 180784000 | 2.84E-06 |       |
|      | 180780001 | 180785000 | 1.08E-05 |       |
|      | 181018001 | 181023000 | 0.000102443 |       |
|      | 181019001 | 181024000 | 1.35E-05 |       |
|      | 181217001 | 181222000 | 2.70E-05 |       |
|      | 181218001 | 181223000 | 3.66E-05 |       |
|      | 181378001 | 181383000 | 2.20E-05 |       |
|      | 181379001 | 181384000 | 0.000301318 |       |
|      | 181554001 | 181559000 | 3.46E-05 |       |
|      | 181555001 | 181560000 | 1.44E-06 |       |
|      | 181556001 | 181561000 | 1.45E-15 |       |
|      | 181631001 | 181636000 | 5.74E-11 |       |
|      | 181671001 | 181676000 | 4.50E-10 |       |
|      | 181896001 | 181901000 | 6.35E-14 |       |
|      | 181897001 | 181902000 | 6.28E-20 |       |
|      | 182486001 | 182491000 | 8.87E-06 |       |
|      | 183151001 | 183156000 | 1.27E-07 |       |
|      | 183417001 | 183422000 | 1.11E-23 |       |
|      | 183692001 | 183697000 | 1.94E-22 |       |
|      | 183693001 | 183698000 | 2.90E-19 |       |
|      | 183707001 | 183712000 | 8.37E-25 |       |
|      | 185644001 | 185649000 | 3.60E-14 |       |
|      | 186086001 | 186091000 | 1.93E-07 |       |
|      | 186526001 | 186531000 | 1.17E-20 |       |
|      | 186546001 | 186551000 | 1.04E-11 |       |
|      | 186547001 | 186552000 | 6.28E-13 |       |
|      | 186978001 | 186983000 | 1.81E-08 |       |
|      | 187221001 | 187226000 | 1.06E-08 |       |
|      | 187222001 | 187227000 | 7.82E-09 |       |
|      | 187223001 | 187228000 | 2.87E-08 |       |
|      | 187627001 | 187632000 | 1.26E-07 |       |
|      | 187629001 | 187634000 | 3.90E-08 |       |
|      | 189028001 | 189033000 | 0.000112229 |       |
|      | 189347001 | 189352000 | 7.52E-08 |       |
| Chr  | 189348001 | 189353000 | 1.23E-07 |
|-----|-----------|-----------|----------|
| Chr  | 189534001 | 189539000 | 2.12E-05 |
| Chr  | 189916001 | 189921000 | 8.74E-07 |
| Chr  | 189982001 | 189987000 | 2.61E-05 |
| Chr  | 189983001 | 189988000 | 2.07E-07 |
| Chr  | 190555001 | 190560000 | 0.000419453 |
| Chr  | 190607001 | 190612000 | 0.000362195 |
| Chr  | 190608001 | 190613000 | 0.000953781 |
| Chr  | 190624001 | 190629000 | 6.92E-05 |
| Chr  | 190738001 | 190743000 | 0.001595182 |
| Chr  | 190998001 | 191003000 | 9.07E-05 |
| Chr  | 191139001 | 191144000 | 0.001050533 |
| Chr  | 191171001 | 191176000 | 3.67E-07 |
| Chr  | 191172001 | 191177000 | 2.50E-09 |
| Chr  | 191173001 | 191178000 | 7.67E-11 |
| Chr  | 191174001 | 191179000 | 6.10E-09 |
| Chr  | 191254001 | 191259000 | 0.002024242 |
| Chr  | 191480001 | 191485000 | 0.000591909 |
| Chr  | 191483001 | 191488000 | 0.001728329 |
| Chr  | 191484001 | 191489000 | 0.001013853 |
| Chr  | 191539001 | 191544000 | 4.81E-08 |
| Chr  | 191542001 | 191547000 | 0.000344122 |
| Chr  | 191564001 | 191569000 | 7.96E-08 |
| Chr  | 191565001 | 191570000 | 6.46E-08 |
| Chr  | 191566001 | 191571000 | 2.40E-09 |
| Chr  | 191567001 | 191572000 | 1.16E-08 |
| Chr  | 191568001 | 191573000 | 3.37E-13 |
| Chr  | 191574001 | 191579000 | 2.64E-06 |
| Chr  | 191575001 | 191580000 | 2.93E-08 |
| Chr  | 191628001 | 191633000 | 0.003532308 |
| Chr  | 191629001 | 191634000 | 0.0018928785 |
| Chr  | 191681001 | 191686000 | 2.53E-07 |
| Chr  | 191686001 | 191691000 | 8.23E-12 |
| Chr  | 191723001 | 191728000 | 1.49E-05 |
| Chr  | 191724001 | 191729000 | 6.01E-06 |
| Chr  | 191725001 | 191730000 | 7.91E-08 |
| Chr  | 191726001 | 191731000 | 1.75E-07 |
| Chr  | 191746001 | 191751000 | 8.48E-09 |
| Chr  | 191747001 | 191752000 | 3.98E-08 |
| Chr  | 191748001 | 191753000 | 3.16E-06 |
| Chr  | 191749001 | 191754000 | 8.61E-06 |
| Chr  | 191757001 | 191762000 | 6.60E-13 |
| Chr  | 191758001 | 191763000 | 3.21E-11 |
| Chr  | 191759001 | 191764000 | 3.75E-13 |
| Chr  | 191760001 | 191765000 | 7.04E-12 |
| Chr  | 191886001 | 191891000 | 0.002026629 |
| Chr  | 191896001 | 191901000 | 4.13E-06 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr3       | 191915001      | 191920000    | 5.58E-07 |
| chr3       | 191916001      | 191921000    | 0.00063068 |
| chr3       | 191917001      | 191922000    | 0.000934393 |
| chr3       | 191919001      | 191924000    | 4.92E-05 |
| chr3       | 191920001      | 191925000    | 2.20E-05 |
| chr3       | 191921001      | 191926000    | 2.02E-05 |
| chr3       | 191922001      | 191927000    | 2.25E-05 |
| chr3       | 191923001      | 191928000    | 1.37E-05 |
| chr3       | 191928001      | 191933000    | 4.55E-10 |
| chr3       | 191930001      | 191935000    | 3.23E-10 |
| chr3       | 191931001      | 191936000    | 1.72E-14 |
| chr3       | 191932001      | 191937000    | 1.36E-09 |
| chr3       | 191934001      | 191939000    | 5.93E-09 |
| chr3       | 191940001      | 191945000    | 0.000427134 |
| chr3       | 191965001      | 191970000    | 3.30E-05 |
| chr3       | 191966001      | 191971000    | 2.96E-07 |
| chr3       | 191967001      | 191972000    | 6.57E-05 |
| chr3       | 191975001      | 191980000    | 5.35E-06 |
| chr3       | 191976001      | 191981000    | 1.61E-06 |
| chr3       | 191996001      | 192001000    | 8.86E-05 |
| chr3       | 192006001      | 192011000    | 0.001036366 |
| chr3       | 192026001      | 192031000    | 4.65E-09 |
| chr3       | 192028001      | 192033000    | 0.000119298 |
| chr3       | 192082001      | 192087000    | 1.23E-06 |
| chr3       | 192090001      | 192095000    | 4.13E-06 |
| chr3       | 192091001      | 192096000    | 1.65E-12 |
| chr3       | 192108001      | 192113000    | 0.000846259 |
| chr3       | 192141001      | 192146000    | 9.07E-08 |
| chr3       | 192142001      | 192147000    | 4.12E-07 |
| chr3       | 192143001      | 192148000    | 1.09E-06 |
| chr3       | 192247001      | 192252000    | 1.64E-05 |
| chr3       | 192453001      | 192458000    | 0.00153321 |
| chr3       | 192502001      | 192507000    | 5.31E-19 |
| chr3       | 192787001      | 192792000    | 5.29E-05 |
| chr3       | 192788001      | 192793000    | 8.07E-06 |
| chr3       | 192825001      | 192830000    | 0.00030474 |
| chr3       | 192883001      | 192888000    | 0.000269031 |
| chr3       | 192932001      | 192937000    | 8.65E-06 |
| chr3       | 193465001      | 193470000    | 0.000124168 |
| chr3       | 193466001      | 193471000    | 1.39E-06 |
| chr3       | 193467001      | 193472000    | 2.67E-09 |
| chr3       | 193557001      | 193562000    | 1.38E-21 |
| chr3       | 193558001      | 193563000    | 4.65E-33 |
| chr3       | 194440001      | 194445000    | 7.43E-16 |
| chr3       | 195172001      | 195177000    | 3.02E-22 |
| chr3       | 195600001      | 195605000    | 4.65E-11 |
| chr3       | 196431001      | 196436000    | 6.44E-12 |
| chr3       | 196432001      | 196437000    | 1.78E-15 |
| chr | start | end   | p-value       |
|-----|-------|-------|---------------|
| chr3| 196433001 | 196438000 | 9.90E-15      |
| chr3| 197243001 | 197248000 | 4.99E-20      |
| chr3| 197244001 | 197249000 | 1.13E-19      |
| chr3| 197327001 | 197332000 | 1.48E-49      |
| chr3| 197635001 | 197640000 | 7.05E-23      |
| chr3| 197636001 | 197641000 | 4.10E-29      |
| chr3| 197696001 | 197701000 | 3.09E-09      |
| chr4| 114001   | 119000  | 1.97E-05      |
| chr4| 115001   | 120000  | 4.15E-06      |
| chr4| 670001   | 675000  | 2.52E-06      |
| chr4| 677001   | 682000  | 0.000417047   |
| chr4| 679001   | 684000  | 4.53E-10      |
| chr4| 807001   | 812000  | 6.17E-16      |
| chr4| 808001   | 813000  | 3.11E-14      |
| chr4| 809001   | 814000  | 1.32E-13      |
| chr4| 1031001  | 1036000 | 1.71E-12      |
| chr4| 1038001  | 1043000 | 5.55E-20      |
| chr4| 1063001  | 1068000 | 2.28E-17      |
| chr4| 1184001  | 1189000 | 2.21E-27      |
| chr4| 1186001  | 1191000 | 5.90E-22      |
| chr4| 1618001  | 1623000 | 1.05E-14      |
| chr4| 1802001  | 1807000 | 7.43E-15      |
| chr4| 2028001  | 2033000 | 2.24E-09      |
| chr4| 2245001  | 2250000 | 6.81E-21      |
| chr4| 2246001  | 2251000 | 4.80E-13      |
| chr4| 2247001  | 2252000 | 7.78E-17      |
| chr4| 2248001  | 2253000 | 3.14E-15      |
| chr4| 2319001  | 2324000 | 2.43E-11      |
| chr4| 2370001  | 2375000 | 1.04E-09      |
| chr4| 3308001  | 3313000 | 2.76E-05      |
| chr4| 3309001  | 3314000 | 6.20E-07      |
| chr4| 3479001  | 3484000 | 2.76E-21      |
| chr4| 3480001  | 3485000 | 7.86E-17      |
| chr4| 3481001  | 3486000 | 3.72E-20      |
| chr4| 3482001  | 3487000 | 4.16E-14      |
| chr4| 4337001  | 4342000 | 4.24E-18      |
| chr4| 4338001  | 4343000 | 1.11E-14      |
| chr4| 4413001  | 4418000 | 1.16E-09      |
| chr4| 4414001  | 4419000 | 2.78E-10      |
| chr4| 4917001  | 4922000 | 0.00075827    |
| chr4| 6241001  | 6246000 | 8.66E-07      |
| chr4| 6242001  | 6247000 | 3.83E-08      |
| chr4| 6325001  | 6330000 | 7.05E-10      |
| chr4| 6327001  | 6332000 | 1.06E-11      |
| chr4| 6372001  | 6377000 | 4.44E-09      |
| chr4| 6401001  | 6406000 | 5.13E-12      |
| chr4| 6457001  | 6462000 | 4.07E-10      |
| chr4| 7119001  | 7124000 | 1.89E-07      |
| Position | Start | End   | P-Value   |
|----------|-------|-------|-----------|
| chr4     | 8239001 | 8244000 | 7.52E-05  |
| chr4     | 8435001 | 8440000 | 1.70E-17  |
| chr4     | 8436001 | 8441000 | 8.52E-16  |
| chr4     | 10044001 | 10049000 | 2.38E-07  |
| chr4     | 10502001 | 10507000 | 9.35E-17  |
| chr4     | 10538001 | 10543000 | 3.10E-06  |
| chr4     | 10539001 | 10544000 | 1.64E-06  |
| chr4     | 10760001 | 10765000 | 0.00021823 |
| chr4     | 11503001 | 11508000 | 0.003373944 |
| chr4     | 11685001 | 11690000 | 0.000122161 |
| chr4     | 11686001 | 11691000 | 4.71E-05  |
| chr4     | 11710001 | 11715000 | 0.000368209 |
| chr4     | 11711001 | 11716000 | 0.00089769 |
| chr4     | 11837001 | 11842000 | 0.000361116 |
| chr4     | 11847001 | 11852000 | 4.95E-05  |
| chr4     | 12097001 | 12102000 | 0.000735973 |
| chr4     | 12098001 | 12103000 | 0.000750304 |
| chr4     | 12228001 | 12233000 | 1.14E-07  |
| chr4     | 12266001 | 12271000 | 0.000148486 |
| chr4     | 12535001 | 12540000 | 3.70E-07  |
| chr4     | 12536001 | 12541000 | 1.44E-05  |
| chr4     | 12577001 | 12582000 | 8.15E-05  |
| chr4     | 12847001 | 12852000 | 4.68E-06  |
| chr4     | 12848001 | 12853000 | 5.75E-06  |
| chr4     | 12849001 | 12854000 | 1.19E-05  |
| chr4     | 12850001 | 12855000 | 5.39E-06  |
| chr4     | 13115001 | 13120000 | 5.80E-05  |
| chr4     | 13116001 | 13121000 | 0.000107399 |
| chr4     | 13117001 | 13122000 | 0.000144681 |
| chr4     | 13140001 | 13145000 | 8.25E-06  |
| chr4     | 13141001 | 13146000 | 3.51E-07  |
| chr4     | 13248001 | 13253000 | 6.49E-08  |
| chr4     | 13512001 | 13517000 | 0.000810499 |
| chr4     | 13727001 | 13732000 | 2.31E-05  |
| chr4     | 13856001 | 13861000 | 4.21E-09  |
| chr4     | 13992001 | 13997000 | 4.78E-05  |
| chr4     | 13993001 | 13998000 | 9.85E-05  |
| chr4     | 13994001 | 13999000 | 2.47E-06  |
| chr4     | 13996001 | 14001000 | 3.61E-06  |
| chr4     | 14068001 | 14073000 | 6.05E-06  |
| chr4     | 14069001 | 14074000 | 2.98E-06  |
| chr4     | 14070001 | 14075000 | 6.61E-05  |
| chr4     | 14071001 | 14076000 | 2.26E-05  |
| chr4     | 14130001 | 14135000 | 9.24E-05  |
| chr4     | 14131001 | 14136000 | 0.000355022 |
| chr4     | 14227001 | 14232000 | 3.90E-05  |
| chr4     | 14233001 | 14238000 | 0.003672646 |
| chr4     | 14280001 | 14285000 | 0.000352549 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr4       | 14307001       | 14312000     | 1.52E-11|
| chr4       | 14308001       | 14313000     | 1.32E-18|
| chr4       | 14309001       | 14314000     | 4.91E-07|
| chr4       | 14316001       | 14321000     | 0.003368437|
| chr4       | 14334001       | 14349000     | 0.00452716|
| chr4       | 14342001       | 14347000     | 0.000622552|
| chr4       | 14343001       | 14348000     | 0.001759534|
| chr4       | 14344001       | 14349000     | 0.000452716|
| chr4       | 14362001       | 14367000     | 4.87E-09|
| chr4       | 14459001       | 14464000     | 2.03E-05|
| chr4       | 14464001       | 14469000     | 1.07E-05|
| chr4       | 14466001       | 14471000     | 7.27E-06|
| chr4       | 14467001       | 14472000     | 7.27E-06|
| chr4       | 14553001       | 14558000     | 5.13E-06|
| chr4       | 14554001       | 14559000     | 6.00E-06|
| chr4       | 14555001       | 14560000     | 0.000302995|
| chr4       | 14556001       | 14561000     | 0.000612217|
| chr4       | 14575001       | 14580000     | 2.94E-08|
| chr4       | 14631001       | 14636000     | 0.000320948|
| chr4       | 14632001       | 14637000     | 0.00063283|
| chr4       | 14633001       | 14638000     | 0.001792731|
| chr4       | 14634001       | 14639000     | 5.98E-06|
| chr4       | 14635001       | 14640000     | 0.000342876|
| chr4       | 14682001       | 14687000     | 1.41E-06|
| chr4       | 14695001       | 14700000     | 0.022808746|
| chr4       | 14747001       | 14752000     | 0.00812591|
| chr4       | 14835001       | 14840000     | 0.006319998|
| chr4       | 15312001       | 15317000     | 0.001358564|
| chr4       | 15345001       | 15350000     | 0.000268415|
| chr4       | 15362001       | 15367000     | 0.00039132|
| chr4       | 15372001       | 15377000     | 1.96E-10|
| chr4       | 15373001       | 15378000     | 9.02E-11|
| chr4       | 15374001       | 15379000     | 3.94E-10|
| chr4       | 15375001       | 15380000     | 6.05E-10|
| chr4       | 15727001       | 15732000     | 7.95E-08|
| chr4       | 15728001       | 15733000     | 3.54E-11|
| chr4       | 15788001       | 15793000     | 7.37E-06|
| chr4       | 15789001       | 15794000     | 9.35E-06|
| chr4       | 16270001       | 16275000     | 0.000361738|
| chr4       | 16357001       | 16362000     | 3.93E-05|
| chr4       | 16719001       | 16724000     | 0.003626882|
| chr4       | 16984001       | 16989000     | 0.001447776|
| chr4       | 16985001       | 16990000     | 0.00223574|
| chr4       | 16986001       | 16991000     | 0.00300457|
| chr4       | 16987001       | 16992000     | 0.005361826|
| chr4       | 16989001       | 16994000     | 0.001401124|
| chr4       | 17146001       | 17151000     | 1.27E-08|
| chr4       | 17170001       | 17175000     | 0.009134872|
| Chr | Start | End | Value       |
|-----|-------|-----|-------------|
| chr4| 17203001 | 17208000 | 0.000135085 |
| chr4| 17371001 | 17376000 | 0.000164849 |
| chr4| 17450001 | 17455000 | 9.44E-07    |
| chr4| 17649001 | 17654000 | 1.22E-06    |
| chr4| 17650001 | 17655000 | 0.000132388 |
| chr4| 18053001 | 18058000 | 0.00153155  |
| chr4| 18148001 | 18153000 | 7.19E-06    |
| chr4| 18250001 | 18255000 | 0.004589015 |
| chr4| 18328001 | 18333000 | 0.000998326 |
| chr4| 18329001 | 18334000 | 0.000132388 |
| chr4| 18523001 | 18528000 | 9.44E-07    |
| chr4| 18594001 | 18599000 | 0.000132388 |
| chr4| 18763001 | 18768000 | 0.00409149  |
| chr4| 18764001 | 18769000 | 0.024794565 |
| chr4| 18831001 | 18836000 | 0.001716736 |
| chr4| 18832001 | 18837000 | 0.00596115  |
| chr4| 18868001 | 18873000 | 0.004539814 |
| chr4| 18869001 | 18874000 | 0.001160236 |
| chr4| 18870001 | 18875000 | 0.001107023 |
| chr4| 18895001 | 18900000 | 3.92E-05    |
| chr4| 18896001 | 18901000 | 0.000630053 |
| chr4| 18976001 | 18981000 | 0.000187464 |
| chr4| 19149001 | 19154000 | 0.000111518 |
| chr4| 19285001 | 19290000 | 0.000324231 |
| chr4| 19342001 | 19347000 | 0.000158395 |
| chr4| 19367001 | 19372000 | 0.00151922  |
| chr4| 19369001 | 19374000 | 0.000362795 |
| chr4| 19434001 | 19439000 | 0.003800241 |
| chr4| 19510001 | 19515000 | 0.004531005 |
| chr4| 19511001 | 19516000 | 1.01E-05    |
| chr4| 19512001 | 19517000 | 1.65E-05    |
| chr4| 19546001 | 19551000 | 0.001220146 |
| chr4| 19800001 | 19805000 | 0.004694648 |
| chr4| 19801001 | 19806000 | 0.001489937 |
| chr4| 19802001 | 19807000 | 0.005211312 |
| chr4| 19855001 | 19860000 | 0.001569978 |
| chr4| 19870001 | 19875000 | 3.20E-07    |
| chr4| 20007001 | 20012000 | 0.000880664 |
| chr4| 20064001 | 20069000 | 0.011968751 |
| chr4| 20065001 | 20070000 | 0.000789637 |
| chr4| 20154001 | 20159000 | 0.009733    |
| chr4| 20289001 | 20294000 | 0.000358388 |
| chr4| 20610001 | 20615000 | 3.96E-07    |
| chr4| 20890001 | 20895000 | 9.14E-05    |
| chr4| 20893001 | 20898000 | 3.13E-07    |
| chr4| 20894001 | 20899000 | 1.02E-05    |
| chr4| 21059001 | 21064000 | 0.002231872 |
| chr4| 21092001 | 21097000 | 0.00166435  |
| Chromosome | Start | End | p-value |
|------------|-------|-----|---------|
| chr4       | 21094001 | 21099000 | 0.001944261 |
| chr4       | 21518001 | 21523000 | 1.80E-06 |
| chr4       | 21519001 | 21524000 | 2.64E-06 |
| chr4       | 21591001 | 21596000 | 0.001484602 |
| chr4       | 21592001 | 21597000 | 0.008132384 |
| chr4       | 21609001 | 21614000 | 0.008348652 |
| chr4       | 21770001 | 21775000 | 9.07E-08 |
| chr4       | 21809001 | 21814000 | 0.000617321 |
| chr4       | 21887001 | 21892000 | 0.000793603 |
| chr4       | 21910001 | 21915000 | 0.002285918 |
| chr4       | 21965001 | 21970000 | 7.29E-05 |
| chr4       | 21966001 | 21971000 | 0.000120764 |
| chr4       | 21967001 | 21972000 | 0.000392345 |
| chr4       | 21968001 | 21973000 | 0.001186599 |
| chr4       | 22043001 | 22048000 | 0.002297698 |
| chr4       | 22102001 | 22107000 | 0.013457321 |
| chr4       | 22103001 | 22108000 | 0.000718905 |
| chr4       | 22112001 | 22117000 | 0.001267052 |
| chr4       | 22182001 | 22187000 | 7.80E-05 |
| chr4       | 22183001 | 22188000 | 4.74E-10 |
| chr4       | 22184001 | 22189000 | 3.96E-10 |
| chr4       | 22185001 | 22190000 | 3.17E-09 |
| chr4       | 22186001 | 22191000 | 2.04E-09 |
| chr4       | 22213001 | 22218000 | 0.000130677 |
| chr4       | 22254001 | 22259000 | 0.001157729 |
| chr4       | 22277001 | 22282000 | 0.000792555 |
| chr4       | 22711001 | 22716000 | 0.000636381 |
| chr4       | 22765001 | 22770000 | 3.58E-07 |
| chr4       | 22771001 | 22776000 | 4.57E-05 |
| chr4       | 22841001 | 22846000 | 0.000266728 |
| chr4       | 23133001 | 23138000 | 1.70E-08 |
| chr4       | 23211001 | 23216000 | 0.001300368 |
| chr4       | 23257001 | 23262000 | 0.000934995 |
| chr4       | 23402001 | 23407000 | 0.005019756 |
| chr4       | 23570001 | 23575000 | 0.000690215 |
| chr4       | 23571001 | 23576000 | 0.000130907 |
| chr4       | 23942001 | 23947000 | 3.13E-05 |
| chr4       | 24157001 | 24162000 | 2.64E-05 |
| chr4       | 24158001 | 24163000 | 4.94E-05 |
| chr4       | 24268001 | 24273000 | 6.61E-05 |
| chr4       | 24721001 | 24726000 | 1.26E-06 |
| chr4       | 25251001 | 25256000 | 3.37E-13 |
| chr4       | 25556001 | 25561000 | 0.00958234 |
| chr4       | 25987001 | 25992000 | 4.74E-16 |
| chr4       | 26154001 | 26159000 | 7.74E-06 |
| chr4       | 26324001 | 26329000 | 0.00119775 |
| chr4       | 26328001 | 26333000 | 2.12E-10 |
| chr4       | 26540001 | 26545000 | 8.37E-08 |
| chr4   | 26541001 | 26546000 | 1.70E-09 |
| chr4   | 26542001 | 26547000 | 1.92E-07 |
| chr4   | 27046001 | 27051000 | 3.71E-07 |
| chr4   | 27047001 | 27052000 | 1.80E-13 |
| chr4   | 27048001 | 27053000 | 2.23E-14 |
| chr4   | 27049001 | 27054000 | 6.52E-29 |
| chr4   | 27050001 | 27055000 | 1.60E-26 |
| chr4   | 27121001 | 27126000 | 4.77E-05 |
| chr4   | 27146001 | 27151000 | 4.87E-08 |
| chr4   | 27179001 | 27184000 | 2.31E-08 |
| chr4   | 27180001 | 27185000 | 1.26E-06 |
| chr4   | 27355001 | 27360000 | 0.010686427 |
| chr4   | 27460001 | 27465000 | 0.001600276 |
| chr4   | 27461001 | 27466000 | 0.000473104 |
| chr4   | 27478001 | 27483000 | 0.000209217 |
| chr4   | 27482001 | 27487000 | 1.53E-16 |
| chr4   | 27483001 | 27488000 | 3.65E-14 |
| chr4   | 27570001 | 27575000 | 0.001074653 |
| chr4   | 27610001 | 27615000 | 0.003137059 |
| chr4   | 27624001 | 27629000 | 0.003832856 |
| chr4   | 27710001 | 27715000 | 2.62E-05 |
| chr4   | 27751001 | 27756000 | 4.66E-07 |
| chr4   | 27762001 | 27767000 | 0.001062619 |
| chr4   | 27763001 | 27768000 | 0.002061956 |
| chr4   | 27766001 | 27771000 | 0.000626664 |
| chr4   | 27838001 | 27843000 | 0.001250887 |
| chr4   | 27918001 | 27923000 | 0.014046121 |
| chr4   | 27926001 | 27931000 | 0.015010503 |
| chr4   | 27927001 | 27932000 | 0.02299824 |
| chr4   | 27928001 | 27933000 | 0.024599568 |
| chr4   | 27953001 | 27958000 | 4.65E-07 |
| chr4   | 27954001 | 27959000 | 2.38E-07 |
| chr4   | 27955001 | 27960000 | 3.04E-09 |
| chr4   | 27957001 | 27962000 | 0.000235563 |
| chr4   | 28004001 | 28009000 | 0.002708101 |
| chr4   | 28005001 | 28010000 | 0.000280878 |
| chr4   | 28006001 | 28011000 | 7.70E-05 |
| chr4   | 28033001 | 28038000 | 0.000701393 |
| chr4   | 28146001 | 28151000 | 0.001286782 |
| chr4   | 28148001 | 28153000 | 2.33E-05 |
| chr4   | 28150001 | 28155000 | 1.08E-05 |
| chr4   | 28151001 | 28156000 | 5.54E-06 |
| chr4   | 28216001 | 28221000 | 0.006009061 |
| chr4   | 28217001 | 28222000 | 0.012675762 |
| chr4   | 28222001 | 28227000 | 0.000466418 |
| chr4   | 28395001 | 28400000 | 1.95E-05 |
| chr4   | 28396001 | 28401000 | 0.000496321 |
| chr4   | 28423001 | 28428000 | 4.73E-06 |
| Chr  | Start       | End         | Value       |
|------|-------------|-------------|-------------|
| chr4 | 28420000    | 28429000    | 4.06E-05    |
| chr4 | 28425000    | 28430000    | 1.78E-05    |
| chr4 | 28554000    | 28559000    | 0.00600758  |
| chr4 | 28565000    | 28570000    | 0.000627589 |
| chr4 | 28566000    | 28571000    | 0.000160005 |
| chr4 | 28654000    | 28659000    | 0.000645659 |
| chr4 | 28659000    | 28664000    | 5.54E-05    |
| chr4 | 28660000    | 28665000    | 1.70E-05    |
| chr4 | 28661000    | 28666000    | 9.12E-07    |
| chr4 | 28662000    | 28667000    | 0.000115136 |
| chr4 | 28698000    | 28703000    | 8.21E-07    |
| chr4 | 28699000    | 28704000    | 9.28E-07    |
| chr4 | 28825000    | 28830000    | 6.03E-13    |
| chr4 | 28826000    | 28831000    | 4.59E-18    |
| chr4 | 28827000    | 28832000    | 2.29E-15    |
| chr4 | 28828000    | 28833000    | 1.39E-15    |
| chr4 | 28829000    | 28834000    | 2.12E-14    |
| chr4 | 28900000    | 28905000    | 6.45E-09    |
| chr4 | 28901000    | 28906000    | 1.18E-08    |
| chr4 | 28902000    | 28907000    | 0.002439951 |
| chr4 | 28903000    | 28908000    | 0.001749894 |
| chr4 | 29003000    | 29008000    | 4.93E-06    |
| chr4 | 29043000    | 29048000    | 0.00019193  |
| chr4 | 29163000    | 29168000    | 2.76E-05    |
| chr4 | 29215000    | 29220000    | 6.18E-05    |
| chr4 | 29272000    | 29277000    | 0.002657982 |
| chr4 | 29273000    | 29278000    | 0.002562063 |
| chr4 | 29340000    | 29345000    | 0.00233925  |
| chr4 | 29423000    | 29428000    | 0.000267373 |
| chr4 | 29605000    | 29610000    | 2.40E-05    |
| chr4 | 29606000    | 29611000    | 1.22E-05    |
| chr4 | 29607000    | 29612000    | 1.01E-06    |
| chr4 | 29608000    | 29613000    | 2.30E-05    |
| chr4 | 29690000    | 29695000    | 1.11E-05    |
| chr4 | 29744000    | 29749000    | 0.002779394 |
| chr4 | 29752000    | 29757000    | 0.010974032 |
| chr4 | 29753000    | 29758000    | 0.004940149 |
| chr4 | 29992000    | 29997000    | 0.000736044 |
| chr4 | 30285000    | 30290000    | 0.000222816 |
| chr4 | 30421000    | 30426000    | 0.000789262 |
| chr4 | 30500000    | 30505000    | 0.011576503 |
| chr4 | 30694000    | 30699000    | 6.03E-05    |
| chr4 | 31186000    | 31191000    | 4.01E-12    |
| chr4 | 31261000    | 31266000    | 1.91E-10    |
| chr4 | 31262000    | 31267000    | 1.27E-07    |
| chr4 | 31273000    | 31278000    | 3.40E-06    |
| chr4 | 31274000    | 31279000    | 3.30E-05    |
| chr4 | 31324000    | 31329000    | 0.002889736 |
| Chr 4 | Start   | End     | Score     |
|-------|---------|---------|-----------|
| 31325001 | 31330000 | 0.002207942 |
| 31329001 | 31334000 | 2.15E-06 |
| 31331001 | 31336000 | 4.79E-06 |
| 31332001 | 31337000 | 2.55E-06 |
| 31333001 | 31338000 | 1.91E-07 |
| 31358001 | 31363000 | 0.017074184 |
| 31664001 | 31669000 | 2.63E-08 |
| 31665001 | 31670000 | 6.27E-08 |
| 31984001 | 31989000 | 0.000112088 |
| 31985001 | 31990000 | 0.000302016 |
| 32035001 | 32040000 | 0.001412079 |
| 32118001 | 32123000 | 2.78E-08 |
| 32171001 | 32176000 | 8.54E-08 |
| 32172001 | 32177000 | 0.003605801 |
| 32580001 | 32585000 | 7.11E-06 |
| 32624001 | 32629000 | 0.001641173 |
| 32752001 | 32757000 | 2.98E-08 |
| 32753001 | 32758000 | 0.004289628 |
| 32754001 | 32759000 | 0.012583113 |
| 33069001 | 33074000 | 6.35E-05 |
| 33070001 | 33075000 | 9.68E-07 |
| 33071001 | 33076000 | 0.00025137 |
| 33248001 | 33253000 | 1.72E-10 |
| 33249001 | 33254000 | 3.38E-14 |
| 33250001 | 33255000 | 1.19E-13 |
| 33284001 | 33289000 | 0.000779271 |
| 33285001 | 33290000 | 0.000272683 |
| 33305001 | 33310000 | 0.000245194 |
| 33306001 | 33311000 | 0.000263606 |
| 33307001 | 33312000 | 4.38E-07 |
| 33308001 | 33313000 | 2.29E-06 |
| 33309001 | 33314000 | 1.17E-05 |
| 33310001 | 33315000 | 8.66E-07 |
| 33311001 | 33316000 | 0.000123041 |
| 33313001 | 33318000 | 3.30E-05 |
| 33314001 | 33319000 | 5.02E-05 |
| 33315001 | 33320000 | 6.26E-06 |
| 33316001 | 33321000 | 5.63E-06 |
| 33317001 | 33322000 | 1.92E-06 |
| 33318001 | 33323000 | 0.00033155 |
| 33349001 | 33504000 | 0.006908659 |
| 33500001 | 33505000 | 3.58E-05 |
| 33501001 | 33506000 | 0.000349896 |
| 33502001 | 33507000 | 1.01E-06 |
| 33503001 | 33508000 | 0.009130318 |
| 33505001 | 33510000 | 1.50E-05 |
| 33506001 | 33511000 | 0.000710844 |
| 33669001 | 33674000 | 0.001011838 |
| Chromosome | Start | End   | P-Value       |
|------------|-------|-------|---------------|
| chr4       | 33798001 | 33803000 | 0.005444057  |
| chr4       | 33904001 | 33909000 | 3.89E-07     |
| chr4       | 33905001 | 33910000 | 8.20E-08     |
| chr4       | 34006001 | 34011000 | 8.67E-08     |
| chr4       | 34007001 | 34012000 | 1.01E-11     |
| chr4       | 34008001 | 34013000 | 2.43E-15     |
| chr4       | 34009001 | 34014000 | 6.63E-12     |
| chr4       | 34010001 | 34015000 | 1.23E-10     |
| chr4       | 34011001 | 34016000 | 6.24E-09     |
| chr4       | 34012001 | 34017000 | 1.41E-10     |
| chr4       | 34013001 | 34018000 | 1.66E-07     |
| chr4       | 34014001 | 34019000 | 3.09E-09     |
| chr4       | 34015001 | 34020000 | 2.74E-06     |
| chr4       | 34059001 | 34064000 | 0.001333005  |
| chr4       | 34119001 | 34124000 | 1.46E-09     |
| chr4       | 34120001 | 34125000 | 1.33E-09     |
| chr4       | 34121001 | 34126000 | 1.44E-08     |
| chr4       | 34122001 | 34127000 | 4.99E-11     |
| chr4       | 34123001 | 34128000 | 3.82E-11     |
| chr4       | 34157001 | 34162000 | 0.000976844  |
| chr4       | 34158001 | 34163000 | 0.000296934  |
| chr4       | 34159001 | 34164000 | 0.000104075  |
| chr4       | 34160001 | 34165000 | 0.00016841   |
| chr4       | 34194001 | 34199000 | 1.18E-05     |
| chr4       | 34195001 | 34200000 | 1.99E-07     |
| chr4       | 34196001 | 34201000 | 3.36E-07     |
| chr4       | 34197001 | 34202000 | 0.000164215  |
| chr4       | 34252001 | 34257000 | 0.005224592  |
| chr4       | 34253001 | 34258000 | 0.008165837  |
| chr4       | 34279001 | 34284000 | 0.002539922  |
| chr4       | 34280001 | 34285000 | 6.61E-05     |
| chr4       | 34298001 | 34303000 | 0.014580127  |
| chr4       | 34299001 | 34304000 | 0.020320409  |
| chr4       | 34324001 | 34329000 | 7.82E-07     |
| chr4       | 34437001 | 34442000 | 0.000677621  |
| chr4       | 34438001 | 34443000 | 0.001326599  |
| chr4       | 34440001 | 34445000 | 0.000446876  |
| chr4       | 34441001 | 34446000 | 0.003289057  |
| chr4       | 34474001 | 34479000 | 0.000316256  |
| chr4       | 34546001 | 34551000 | 0.002068855  |
| chr4       | 34547001 | 34552000 | 0.003938829  |
| chr4       | 34556001 | 34561000 | 1.52E-05     |
| chr4       | 34882001 | 34887000 | 9.08E-15     |
| chr4       | 34885001 | 34890000 | 3.20E-14     |
| chr4       | 34996001 | 35001000 | 0.007747934  |
| chr4       | 34997001 | 35002000 | 0.006787206  |
| chr4       | 35035001 | 35040000 | 1.09E-13     |
| chr4       | 35184001 | 35189000 | 0.000117665  |
| Chr  | Start  | End    | p-value  |
|------|--------|--------|----------|
| chr4 | 35964001 | 35969000 | 3.79E-05 |
| chr4 | 36322001 | 36327000 | 1.52E-05 |
| chr4 | 36323001 | 36328000 | 3.94E-06 |
| chr4 | 36522001 | 36527000 | 3.40E-05 |
| chr4 | 36668001 | 36673000 | 0.000663099 |
| chr4 | 36669001 | 36674000 | 0.002089902 |
| chr4 | 36689001 | 36694000 | 0.000145896 |
| chr4 | 36795001 | 36800000 | 0.000232259 |
| chr4 | 37762001 | 37767000 | 6.35E-06 |
| chr4 | 38806001 | 38811000 | 3.91E-14 |
| chr4 | 39353001 | 39358000 | 8.25E-06 |
| chr4 | 39354001 | 39359000 | 4.59E-07 |
| chr4 | 39443001 | 39448000 | 6.54E-07 |
| chr4 | 39701001 | 39706000 | 1.13E-10 |
| chr4 | 39813001 | 39818000 | 5.65E-13 |
| chr4 | 39814001 | 39819000 | 7.12E-14 |
| chr4 | 40457001 | 40462000 | 4.49E-07 |
| chr4 | 40458001 | 40463000 | 1.67E-09 |
| chr4 | 40460001 | 40465000 | 4.16E-10 |
| chr4 | 40547001 | 40552000 | 1.98E-06 |
| chr4 | 40548001 | 40553000 | 2.46E-06 |
| chr4 | 40549001 | 40554000 | 9.05E-06 |
| chr4 | 40585001 | 40590000 | 4.96E-12 |
| chr4 | 40975001 | 40980000 | 1.28E-06 |
| chr4 | 41210001 | 41215000 | 4.88E-11 |
| chr4 | 41219001 | 41224000 | 4.33E-05 |
| chr4 | 41333001 | 41338000 | 3.88E-05 |
| chr4 | 41705001 | 41710000 | 0.000351025 |
| chr4 | 41706001 | 41711000 | 0.000258383 |
| chr4 | 41709001 | 41714000 | 0.004406074 |
| chr4 | 41711001 | 41716000 | 0.000950301 |
| chr4 | 42869001 | 42874000 | 2.32E-05 |
| chr4 | 42871001 | 42876000 | 0.026639583 |
| chr4 | 42926001 | 42931000 | 6.34E-05 |
| chr4 | 42927001 | 42932000 | 0.00819389 |
| chr4 | 43009001 | 43014000 | 0.001427355 |
| chr4 | 43020001 | 43025000 | 0.000503727 |
| chr4 | 43223001 | 43228000 | 0.000325306 |
| chr4 | 43467001 | 43472000 | 0.003369432 |
| chr4 | 43476001 | 43481000 | 0.001807458 |
| chr4 | 43477001 | 43482000 | 0.000557023 |
| chr4 | 43553001 | 43558000 | 2.00E-07 |
| chr4 | 43712001 | 43717000 | 0.002100827 |
| chr4 | 43713001 | 43718000 | 0.00049954 |
| chr4 | 43963001 | 43968000 | 8.13E-06 |
| chr4 | 44037001 | 44042000 | 0.011239163 |
| chr4 | 44170001 | 44175000 | 1.77E-08 |
| chr4 | 44314001 | 44319000 | 1.78E-06 |
| chr4 | 44315001 | 44320000 | 6.00E-06 |
|------|---------|---------|--------|
| chr4 | 44409001 | 44414000 | 9.68E-06 |
| chr4 | 44469001 | 44474000 | 3.14E-06 |
| chr4 | 44470001 | 44475000 | 1.33E-05 |
| chr4 | 44516001 | 44521000 | 2.82E-09 |
| chr4 | 44531001 | 44536000 | 0.00258258 |
| chr4 | 44533001 | 44538000 | 0.000116592 |
| chr4 | 44534001 | 44539000 | 0.000107222 |
| chr4 | 44535001 | 44540000 | 0.000107338 |
| chr4 | 44612001 | 44617000 | 5.80E-08 |
| chr4 | 44613001 | 44618000 | 1.11E-08 |
| chr4 | 44614001 | 44619000 | 0.000101564 |
| chr4 | 44615001 | 44620000 | 0.000359304 |
| chr4 | 44661001 | 44666000 | 1.04E-10 |
| chr4 | 44821001 | 44826000 | 1.49E-06 |
| chr4 | 44822001 | 44827000 | 5.25E-10 |
| chr4 | 44823001 | 44828000 | 1.64E-09 |
| chr4 | 44824001 | 44829000 | 1.92E-11 |
| chr4 | 44849001 | 44854000 | 1.12E-06 |
| chr4 | 44850001 | 44855000 | 4.09E-05 |
| chr4 | 44851001 | 44856000 | 1.28E-07 |
| chr4 | 44852001 | 44857000 | 6.13E-06 |
| chr4 | 44860001 | 44865000 | 0.02066097 |
| chr4 | 44952001 | 44957000 | 0.021157163 |
| chr4 | 44964001 | 44969000 | 0.002943503 |
| chr4 | 44985001 | 44990000 | 3.66E-06 |
| chr4 | 44986001 | 44991000 | 4.89E-06 |
| chr4 | 44987001 | 44992000 | 2.05E-07 |
| chr4 | 44988001 | 44993000 | 2.91E-05 |
| chr4 | 45040001 | 45045000 | 0.0011548 |
| chr4 | 45119001 | 45124000 | 0.004713809 |
| chr4 | 45120001 | 45125000 | 0.006411186 |
| chr4 | 45160001 | 45165000 | 3.64E-05 |
| chr4 | 45161001 | 45166000 | 0.000347035 |
| chr4 | 45162001 | 45167000 | 1.45E-05 |
| chr4 | 45185001 | 45190000 | 0.001952604 |
| chr4 | 45313001 | 45318000 | 0.000334198 |
| chr4 | 45436001 | 45441000 | 0.008247208 |
| chr4 | 45437001 | 45442000 | 0.017909494 |
| chr4 | 45438001 | 45443000 | 0.005893454 |
| chr4 | 45641001 | 45646000 | 1.51E-05 |
| chr4 | 45642001 | 45647000 | 5.95E-05 |
| chr4 | 45759001 | 45764000 | 0.001394192 |
| chr4 | 45866001 | 45871000 | 2.55E-05 |
| chr4 | 45867001 | 45872000 | 3.93E-05 |
| chr4 | 45868001 | 45873000 | 6.76E-05 |
| chr4 | 45902001 | 45907000 | 0.00391907 |
| chr4 | 45969001 | 45974000 | 9.26E-05 |
| Chromosome | Start Position | End Position | Value        |
|------------|----------------|-------------|--------------|----------|
| chr4       | 4611001        | 4611600     | 0.00492756   |
| chr4       | 46280001       | 46285000    | 0.001822892  |
| chr4       | 46374001       | 46379000    | 9.45E-08     |
| chr4       | 46409001       | 46414000    | 1.30E-05     |
| chr4       | 46427001       | 46432000    | 0.014903637  |
| chr4       | 46457001       | 46462000    | 0.01184243   |
| chr4       | 46528001       | 46533000    | 8.25E-06     |
| chr4       | 46529001       | 46534000    | 0.000491149  |
| chr4       | 46624001       | 46629000    | 1.12E-07     |
| chr4       | 46625001       | 46630000    | 0.00174056   |
| chr4       | 46631001       | 46636000    | 5.58E-05     |
| chr4       | 46632001       | 46637000    | 0.001479249  |
| chr4       | 46633001       | 46638000    | 0.000511102  |
| chr4       | 46643001       | 46648000    | 0.000885969  |
| chr4       | 46657001       | 46662000    | 6.75E-05     |
| chr4       | 46658001       | 46663000    | 1.11E-05     |
| chr4       | 46982001       | 46987000    | 0.000603955  |
| chr4       | 46983001       | 46988000    | 0.000591865  |
| chr4       | 47086001       | 47091000    | 0.001195112  |
| chr4       | 47087001       | 47092000    | 0.000845276  |
| chr4       | 47088001       | 47093000    | 0.000230816  |
| chr4       | 47211001       | 47216000    | 2.31E-06     |
| chr4       | 47212001       | 47217000    | 2.89E-07     |
| chr4       | 47213001       | 47218000    | 3.36E-07     |
| chr4       | 47214001       | 47219000    | 1.77E-06     |
| chr4       | 47258001       | 47263000    | 0.002373547  |
| chr4       | 47336001       | 47341000    | 0.000390831  |
| chr4       | 47337001       | 47342000    | 0.000384707  |
| chr4       | 47343001       | 47348000    | 0.000203619  |
| chr4       | 47363001       | 47368000    | 0.001241236  |
| chr4       | 47364001       | 47369000    | 0.000675488  |
| chr4       | 47407001       | 47412000    | 5.85E-07     |
| chr4       | 47408001       | 47413000    | 1.64E-07     |
| chr4       | 47409001       | 47414000    | 3.06E-07     |
| chr4       | 47816001       | 47821000    | 5.48E-06     |
| chr4       | 47817001       | 47822000    | 2.46E-05     |
| chr4       | 47818001       | 47823000    | 0.000168407  |
| chr4       | 47933001       | 47938000    | 1.45E-05     |
| chr4       | 48259001       | 48264000    | 0.002725803  |
| chr4       | 48290001       | 48295000    | 7.06E-10     |
| chr4       | 48291001       | 48296000    | 5.92E-09     |
| chr4       | 48292001       | 48297000    | 7.18E-07     |
| chr4       | 48701001       | 48706000    | 0.002394985  |
| chr4       | 48756001       | 48761000    | 0.000574722  |
| chr4       | 52967001       | 52972000    | 0.001400552  |
| chr4       | 52976001       | 52981000    | 0.001532696  |
| chr4       | 53010001       | 53015000    | 0.003753858  |
| chr4       | 53011001       | 53016000    | 0.002221541  |
| Chromosome | Start Position | End Position | Log_{10}(P-value) |
|------------|----------------|--------------|-------------------|
| chr4       | 53145001       | 53150000     | 0.000375529       |
| chr4       | 53169001       | 53174000     | 0.000125577       |
| chr4       | 53349001       | 53354000     | 0.000233474       |
| chr4       | 53645001       | 53650000     | 2.18E-08          |
| chr4       | 53849001       | 53854000     | 2.55E-07          |
| chr4       | 53930001       | 53935000     | 0.003006932       |
| chr4       | 54470001       | 54475000     | 3.11E-05          |
| chr4       | 54774001       | 54779000     | 3.73E-08          |
| chr4       | 54793001       | 54798000     | 7.26E-08          |
| chr4       | 55033001       | 55038000     | 1.65E-07          |
| chr4       | 55034001       | 55039000     | 4.42E-06          |
| chr4       | 55035001       | 55040000     | 1.41E-05          |
| chr4       | 55119001       | 55124000     | 6.56E-06          |
| chr4       | 55389001       | 55394000     | 1.23E-08          |
| chr4       | 55446001       | 55451000     | 1.11E-08          |
| chr4       | 55510001       | 55515000     | 0.000162125       |
| chr4       | 55535001       | 55540000     | 3.93E-10          |
| chr4       | 55536001       | 55541000     | 2.75E-09          |
| chr4       | 55792001       | 55797000     | 7.05E-05          |
| chr4       | 55793001       | 55798000     | 4.44E-05          |
| chr4       | 56149001       | 56154000     | 0.000909065       |
| chr4       | 56729001       | 56734000     | 4.69E-10          |
| chr4       | 57028001       | 57033000     | 1.20E-07          |
| chr4       | 57029001       | 57034000     | 1.33E-08          |
| chr4       | 57030001       | 57035000     | 1.20E-06          |
| chr4       | 57031001       | 57036000     | 1.14E-06          |
| chr4       | 57050001       | 57055000     | 1.27E-16          |
| chr4       | 57051001       | 57056000     | 6.37E-14          |
| chr4       | 57053001       | 57058000     | 5.96E-07          |
| chr4       | 570548001      | 57055300     | 2.00E-08          |
| chr4       | 57549001       | 57554000     | 1.80E-07          |
| chr4       | 58012001       | 58017000     | 2.27E-05          |
| chr4       | 58013001       | 58018000     | 1.41E-06          |
| chr4       | 58014001       | 58019000     | 6.39E-08          |
| chr4       | 58015001       | 58020000     | 3.11E-07          |
| chr4       | 58146001       | 58151000     | 1.41E-05          |
| chr4       | 58157001       | 58162000     | 0.001613815       |
| chr4       | 58199001       | 58204000     | 1.15E-05          |
| chr4       | 58200001       | 58205000     | 2.52E-06          |
| chr4       | 58290001       | 58295000     | 7.38E-05          |
| chr4       | 58406001       | 58411000     | 0.000522688       |
| chr4       | 58466001       | 58471000     | 2.33E-06          |
| chr4       | 58609001       | 58614000     | 8.84E-05          |
| chr4       | 58611001       | 58616000     | 0.000345513       |
| chr4       | 58658001       | 58663000     | 6.92E-07          |
| chr4       | 58913001       | 58918000     | 2.13E-05          |
| chr4       | 58914001       | 58919000     | 0.000331418       |
| chr4       | 58916001       | 58921000     | 0.000819205       |
| Chr | Start | End |Allele Frequency |
|-----|-------|-----|-----------------|
| chr4 | 58924001 | 58929000 | 0.001661224 |
| chr4 | 59110001 | 59115000 | 4.24E-05 |
| chr4 | 59214001 | 59219000 | 0.000160835 |
| chr4 | 59825001 | 59830000 | 0.005098029 |
| chr4 | 59927001 | 59932000 | 0.000553299 |
| chr4 | 60198001 | 60203000 | 4.71E-06 |
| chr4 | 60199001 | 60204000 | 5.04E-06 |
| chr4 | 60200001 | 60205000 | 1.87E-06 |
| chr4 | 60201001 | 60206000 | 1.21E-06 |
| chr4 | 60238001 | 60243000 | 2.42E-07 |
| chr4 | 60404001 | 60409000 | 4.40E-05 |
| chr4 | 60405001 | 60410000 | 2.99E-07 |
| chr4 | 60406001 | 60411000 | 3.57E-09 |
| chr4 | 60407001 | 60412000 | 1.89E-10 |
| chr4 | 60408001 | 60413000 | 3.76E-10 |
| chr4 | 60409001 | 60414000 | 2.02E-06 |
| chr4 | 60410001 | 60415000 | 0.000346288 |
| chr4 | 60620001 | 60625000 | 0.000224803 |
| chr4 | 60660001 | 60665000 | 1.46E-05 |
| chr4 | 60661001 | 60666000 | 1.87E-05 |
| chr4 | 60662001 | 60667000 | 3.65E-06 |
| chr4 | 60663001 | 60668000 | 3.03E-06 |
| chr4 | 60664001 | 60669000 | 0.000227573 |
| chr4 | 60726001 | 60731000 | 0.004836168 |
| chr4 | 60748001 | 60753000 | 3.43E-11 |
| chr4 | 60921001 | 60926000 | 4.21E-09 |
| chr4 | 60923001 | 60928000 | 1.84E-07 |
| chr4 | 60944001 | 60949000 | 5.45E-05 |
| chr4 | 61125001 | 61130000 | 2.65E-08 |
| chr4 | 61126001 | 61131000 | 5.31E-08 |
| chr4 | 61127001 | 61132000 | 4.05E-07 |
| chr4 | 61220001 | 61225000 | 0.00165341 |
| chr4 | 61221001 | 61226000 | 2.88E-05 |
| chr4 | 61223001 | 61228000 | 1.49E-05 |
| chr4 | 61224001 | 61229000 | 1.34E-05 |
| chr4 | 61491001 | 61496000 | 2.17E-07 |
| chr4 | 61492001 | 61497000 | 1.86E-07 |
| chr4 | 61493001 | 61498000 | 6.12E-07 |
| chr4 | 61557001 | 61562000 | 0.000726822 |
| chr4 | 61567001 | 61572000 | 7.34E-10 |
| chr4 | 61568001 | 61573000 | 3.35E-11 |
| chr4 | 61569001 | 61574000 | 2.63E-12 |
| chr4 | 61750001 | 61755000 | 3.68E-05 |
| chr4 | 61808001 | 61813000 | 0.002133994 |
| chr4 | 61809001 | 61814000 | 0.000938967 |
| chr4 | 62003001 | 62008000 | 0.000107186 |
| chr4 | 62056001 | 62061000 | 6.81E-05 |
| chr4 | 62201001 | 62206000 | 6.76E-05 |
| Chr | Start | End   | P-value |
|-----|-------|-------|---------|
| chr4 | 62202001 | 62207000 | 7.09E-05 |
| chr4 | 62203001 | 62208000 | 0.00199856 |
| chr4 | 62430001 | 62435000 | 0.000690338 |
| chr4 | 62468001 | 62473000 | 0.0001071 |
| chr4 | 62469001 | 62474000 | 3.09E-05 |
| chr4 | 62526001 | 62531000 | 1.16E-12 |
| chr4 | 62693001 | 62698000 | 0.000268031 |
| chr4 | 62774001 | 62779000 | 9.27E-06 |
| chr4 | 62775001 | 62780000 | 9.93E-07 |
| chr4 | 63132001 | 63137000 | 2.77E-08 |
| chr4 | 63133001 | 63138000 | 5.67E-07 |
| chr4 | 63134001 | 63139000 | 1.13E-06 |
| chr4 | 63181001 | 63186000 | 0.007307974 |
| chr4 | 63182001 | 63187000 | 0.002964335 |
| chr4 | 63226001 | 63231000 | 1.88E-06 |
| chr4 | 63227001 | 63232000 | 1.36E-06 |
| chr4 | 63286001 | 63291000 | 0.001144192 |
| chr4 | 63287001 | 63292000 | 0.005553043 |
| chr4 | 63296001 | 63301000 | 1.85E-07 |
| chr4 | 63297001 | 63302000 | 3.08E-05 |
| chr4 | 63343001 | 63348000 | 0.002937543 |
| chr4 | 63396001 | 63401000 | 7.20E-07 |
| chr4 | 63397001 | 63402000 | 3.63E-08 |
| chr4 | 63404001 | 63409000 | 0.017155584 |
| chr4 | 63405001 | 63410000 | 0.000660984 |
| chr4 | 63408001 | 63413000 | 1.55E-07 |
| chr4 | 63409001 | 63414000 | 6.08E-07 |
| chr4 | 63520001 | 63525000 | 1.90E-06 |
| chr4 | 63521001 | 63526000 | 3.04E-06 |
| chr4 | 63522001 | 63527000 | 8.04E-06 |
| chr4 | 63579001 | 63584000 | 0.00057435 |
| chr4 | 63580001 | 63585000 | 0.001075036 |
| chr4 | 63581001 | 63586000 | 0.00501173 |
| chr4 | 63583001 | 63588000 | 2.52E-14 |
| chr4 | 63587001 | 63592000 | 1.15E-10 |
| chr4 | 63894001 | 63899000 | 0.001301046 |
| chr4 | 63905001 | 63910000 | 0.002189108 |
| chr4 | 63906001 | 63911000 | 0.000311575 |
| chr4 | 63974001 | 63979000 | 9.48E-05 |
| chr4 | 64117001 | 64122000 | 3.24E-05 |
| chr4 | 64488001 | 64493000 | 3.64E-09 |
| chr4 | 64489001 | 64494000 | 1.34E-09 |
| chr4 | 64490001 | 64495000 | 9.93E-08 |
| chr4 | 64739001 | 64744000 | 0.000138669 |
| chr4 | 64740001 | 64745000 | 0.000357373 |
| chr4 | 64741001 | 64746000 | 0.000549425 |
| chr4 | 64751001 | 64756000 | 0.002328031 |
| chr4 | 65050001 | 65055000 | 0.000429617 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr4       | 65586001       | 65591000     | 6.47E-09|
| chr4       | 65587001       | 65592000     | 4.47E-10|
| chr4       | 65588001       | 65593000     | 2.76E-09|
| chr4       | 65589001       | 65594000     | 5.05E-08|
| chr4       | 65590001       | 65595000     | 1.28E-07|
| chr4       | 65597001       | 65602000     | 1.71E-05|
| chr4       | 65642001       | 65647000     | 4.47E-10|
| chr4       | 65718001       | 65723000     | 2.01E-07|
| chr4       | 65757001       | 65762000     | 0.002275458|
| chr4       | 65758001       | 65763000     | 0.011181716|
| chr4       | 65799001       | 65804000     | 3.85E-07|
| chr4       | 65822001       | 65827000     | 1.19E-09|
| chr4       | 65873001       | 65878000     | 0.000217585|
| chr4       | 66035001       | 66040000     | 1.61E-07|
| chr4       | 66036001       | 66041000     | 1.42E-07|
| chr4       | 66037001       | 66042000     | 1.11E-07|
| chr4       | 66102001       | 66107000     | 1.27E-05|
| chr4       | 66199001       | 66204000     | 5.46E-05|
| chr4       | 66201001       | 66206000     | 6.71E-05|
| chr4       | 66214001       | 66219000     | 0.00051688|
| chr4       | 66270001       | 66275000     | 0.001018478|
| chr4       | 66271001       | 66276000     | 0.000603283|
| chr4       | 66281001       | 66286000     | 0.000479897|
| chr4       | 66350001       | 66355000     | 8.72E-07|
| chr4       | 66351001       | 66356000     | 4.04E-10|
| chr4       | 66352001       | 66357000     | 1.59E-10|
| chr4       | 66353001       | 66358000     | 3.95E-11|
| chr4       | 66354001       | 66359000     | 1.21E-08|
| chr4       | 66583001       | 66588000     | 0.000722204|
| chr4       | 66716001       | 66721000     | 1.87E-05|
| chr4       | 66955001       | 66960000     | 3.30E-08|
| chr4       | 67064001       | 67069000     | 0.001469726|
| chr4       | 67276001       | 67281000     | 0.000569424|
| chr4       | 67227001       | 67282000     | 0.00083701|
| chr4       | 67278001       | 67283000     | 4.78E-06|
| chr4       | 67286001       | 67291000     | 0.000530778|
| chr4       | 67290001       | 67294000     | 0.007656064|
| chr4       | 67338001       | 67343000     | 2.27E-05|
| chr4       | 67339001       | 67344000     | 0.000106872|
| chr4       | 67577001       | 67582000     | 5.75E-12|
| chr4       | 67699001       | 67704000     | 0.000895623|
| chr4       | 67701001       | 67706000     | 0.00371932|
| chr4       | 67702001       | 67707000     | 0.003923587|
| chr4       | 67727001       | 67732000     | 0.001816806|
| chr4       | 67728001       | 67733000     | 0.000169668|
| chr4       | 67856001       | 67861000     | 0.000264509|
| chr4       | 67857001       | 67862000     | 1.87E-11|
| chr4       | 67858001       | 67863000     | 4.13E-10|
| Chromosome | Start (bp) | End (bp) | P-value |
|------------|------------|----------|---------|
| chr4       | 67859001   | 67864000 | 3.32E-09|
| chr4       | 67860001   | 67865000 | 6.97E-08|
| chr4       | 67883001   | 67888000 | 0.001493|
| chr4       | 67887001   | 67892000 | 0.011490626|
| chr4       | 67895001   | 67900000 | 0.001487435|
| chr4       | 67896001   | 67901000 | 0.000527878|
| chr4       | 68013001   | 68018000 | 3.22E-12|
| chr4       | 68015001   | 68020000 | 1.53E-09|
| chr4       | 68016001   | 68021000 | 1.71E-10|
| chr4       | 68017001   | 68022000 | 1.82E-10|
| chr4       | 68092001   | 68097000 | 2.03E-09|
| chr4       | 68093001   | 68098000 | 2.01E-09|
| chr4       | 68094001   | 68099000 | 2.51E-11|
| chr4       | 68095001   | 68100000 | 6.07E-14|
| chr4       | 68096001   | 68101000 | 1.90E-13|
| chr4       | 68214001   | 68219000 | 1.90E-05|
| chr4       | 68215001   | 68220000 | 0.000483846|
| chr4       | 68251001   | 68256000 | 6.17E-08|
| chr4       | 68294001   | 68299000 | 3.09E-05|
| chr4       | 68295001   | 68300000 | 3.88E-05|
| chr4       | 68880001   | 68885000 | 0.025095312|
| chr4       | 69990001   | 69995000 | 7.47E-05|
| chr4       | 69991001   | 69996000 | 0.000126758|
| chr4       | 70216001   | 70221000 | 0.001908502|
| chr4       | 70217001   | 70222000 | 0.000777384|
| chr4       | 70218001   | 70223000 | 0.000509481|
| chr4       | 70219001   | 70224000 | 0.000200684|
| chr4       | 70584001   | 70589000 | 0.000894022|
| chr4       | 70596001   | 70601000 | 2.88E-11|
| chr4       | 70597001   | 70602000 | 3.46E-13|
| chr4       | 70598001   | 70603000 | 4.61E-11|
| chr4       | 70613001   | 70618000 | 1.13E-08|
| chr4       | 70626001   | 70631000 | 8.15E-15|
| chr4       | 70636001   | 70641000 | 0.000283473|
| chr4       | 71186001   | 71191000 | 0.028548906|
| chr4       | 71596001   | 71601000 | 1.87E-08|
| chr4       | 71757001   | 71762000 | 4.91E-09|
| chr4       | 71759001   | 71764000 | 4.26E-11|
| chr4       | 71989001   | 71994000 | 4.23E-05|
| chr4       | 72013001   | 72018000 | 1.16E-05|
| chr4       | 72019001   | 72024000 | 5.18E-05|
| chr4       | 72030001   | 72035000 | 1.91E-07|
| chr4       | 72047001   | 72052000 | 0.000494933|
| chr4       | 72107001   | 72112000 | 1.30E-10|
| chr4       | 72235001   | 72240000 | 6.33E-07|
| chr4       | 72236001   | 72241000 | 6.82E-10|
| chr4       | 72253001   | 72258000 | 0.003006026|
| chr4       | 72254001   | 72259000 | 0.000377243|
| Chromosome | Start | End   | p-value   |
|------------|-------|-------|-----------|
| chr4       | 72558 | 72563 | 0.001703816 |
| chr4       | 72559 | 72564 | 3.94E-05   |
| chr4       | 72560 | 72565 | 0.00012668 |
| chr4       | 72628 | 72633 | 0.000646381 |
| chr4       | 72764 | 72769 | 0.000148198 |
| chr4       | 72765 | 72770 | 0.000148198 |
| chr4       | 72780 | 72813 | 0.000357041 |
| chr4       | 72853 | 72858 | 0.000735646 |
| chr4       | 72854 | 72859 | 2.65E-06   |
| chr4       | 72855 | 72860 | 5.36E-07   |
| chr4       | 72856 | 72861 | 1.05E-08   |
| chr4       | 72973 | 72978 | 0.000393425 |
| chr4       | 72974 | 72979 | 0.000463065 |
| chr4       | 72975 | 72980 | 0.000484769 |
| chr4       | 73311 | 73316 | 7.79E-05   |
| chr4       | 73312 | 73317 | 3.67E-05   |
| chr4       | 73313 | 73318 | 6.29E-05   |
| chr4       | 73314 | 73319 | 8.72E-05   |
| chr4       | 73387 | 73392 | 0.002364653 |
| chr4       | 73389 | 73394 | 0.001637255 |
| chr4       | 73390 | 73395 | 0.000839813 |
| chr4       | 73415 | 73420 | 0.000582783 |
| chr4       | 73426 | 73431 | 0.0005867 |
| chr4       | 73525 | 73530 | 0.004551444 |
| chr4       | 74294 | 74299 | 9.66E-05   |
| chr4       | 74295 | 74300 | 1.30E-05   |
| chr4       | 74368 | 74373 | 0.011204262 |
| chr4       | 74516 | 74521 | 0.01007564 |
| chr4       | 74517 | 74522 | 0.002986281 |
| chr4       | 74546 | 74551 | 0.000359731 |
| chr4       | 74547 | 74552 | 0.000729 |
| chr4       | 74548 | 74553 | 0.00047878 |
| chr4       | 74557 | 74562 | 0.00119619 |
| chr4       | 74642 | 74647 | 7.85E-06   |
| chr4       | 74710 | 74715 | 0.00212167 |
| chr4       | 74812 | 74817 | 7.90E-05   |
| chr4       | 74813 | 74818 | 7.55E-08   |
| chr4       | 75223 | 75228 | 3.75E-05   |
| chr4       | 75529 | 75534 | 6.02E-05   |
| chr4       | 75581 | 75586 | 7.99E-07   |
| chr4       | 75582 | 75587 | 1.54E-05   |
| chr4       | 75600 | 75605 | 5.95E-05   |
| chr4       | 75601 | 75606 | 0.000299412 |
| chr4       | 75602 | 75607 | 0.000552574 |
| chr4       | 75609 | 75614 | 5.60E-06   |
| chr4       | 75610 | 75615 | 1.10E-07   |
| chr4       | 75611 | 75616 | 5.04E-05   |
| chr4       | 76248 | 76253 | 0.003490958 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr4       | 78365001 | 78370000 | 0.001126993 |
| chr4       | 78366001 | 78371000 | 0.001039083 |
| chr4       | 79670001 | 79675000 | 3.31E-05    |
| chr4       | 79931001 | 79936000 | 0.000207498 |
| chr4       | 79949001 | 79954000 | 0.000178251 |
| chr4       | 79950001 | 79957000 | 3.22E-07    |
| chr4       | 79965001 | 79970000 | 2.00E-06    |
| chr4       | 80049001 | 80054000 | 0.001123595 |
| chr4       | 80210001 | 80215000 | 0.000434112 |
| chr4       | 80211001 | 80216000 | 0.000171496 |
| chr4       | 80212001 | 80217000 | 9.38E-05    |
| chr4       | 80227001 | 80232000 | 9.86E-08    |
| chr4       | 80263001 | 80268000 | 8.97E-07    |
| chr4       | 80424001 | 80429000 | 0.001470722 |
| chr4       | 80425001 | 80430000 | 0.001806019 |
| chr4       | 80631001 | 80636000 | 0.000496826 |
| chr4       | 80632001 | 80637000 | 0.000108751 |
| chr4       | 80729001 | 80734000 | 0.003709206 |
| chr4       | 80773001 | 80778000 | 0.001417744 |
| chr4       | 80774001 | 80779000 | 0.000813952 |
| chr4       | 80799001 | 80804000 | 0.000297132 |
| chr4       | 81269001 | 81274000 | 4.45E-05    |
| chr4       | 81671001 | 81676000 | 0.001690142 |
| chr4       | 81674001 | 81679000 | 1.38E-06    |
| chr4       | 81675001 | 81680000 | 1.65E-09    |
| chr4       | 81815001 | 81820000 | 0.000771198 |
| chr4       | 81816001 | 81821000 | 0.000785357 |
| chr4       | 81817001 | 81822000 | 0.000518129 |
| chr4       | 81818001 | 81823000 | 0.001824752 |
| chr4       | 81819001 | 81824000 | 0.000469395 |
| chr4       | 81841001 | 81846000 | 0.00488039  |
| chr4       | 81842001 | 81847000 | 0.002732664 |
| chr4       | 81929001 | 81934000 | 0.010980553 |
| chr4       | 82299001 | 82304000 | 4.66E-06    |
| chr4       | 82642001 | 82647000 | 4.03E-06    |
| chr4       | 82955001 | 82960000 | 0.002057588 |
| chr4       | 82984001 | 82989000 | 0.00357014  |
| chr4       | 83706001 | 83711000 | 2.20E-07    |
| chr4       | 84277001 | 84282000 | 2.41E-06    |
| chr4       | 84562001 | 84567000 | 1.27E-07    |
| chr4       | 84692001 | 84697000 | 0.000144284 |
| chr4       | 84693001 | 84698000 | 1.54E-06    |
| chr4       | 84719001 | 84724000 | 0.00150936  |
| chr4       | 84897001 | 84902000 | 0.000193189 |
| chr4       | 85374001 | 85379000 | 0.000615736 |
| chr4       | 85600001 | 85605000 | 2.24E-08    |
| chr4  | 91878001 | 91883000 | 0.000103885 |
|-------|---------|---------|-------------|
| chr4  | 91965001 | 91970000 | 8.37E-05    |
| chr4  | 92367001 | 92372000 | 2.30E-07    |
| chr4  | 92370001 | 92375000 | 2.60E-09    |
| chr4  | 92371001 | 92376000 | 4.52E-06    |
| chr4  | 92756001 | 92761000 | 0.000242827 |
| chr4  | 92759001 | 92764000 | 5.40E-06    |
| chr4  | 92760001 | 92765000 | 3.08E-05    |
| chr4  | 92762001 | 92767000 | 7.47E-05    |
| chr4  | 92763001 | 92768000 | 6.02E-05    |
| chr4  | 92797001 | 92802000 | 0.000680526 |
| chr4  | 92875001 | 92880000 | 0.002249737 |
| chr4  | 93469001 | 93474000 | 0.00010301  |
| chr4  | 93686001 | 93691000 | 0.000630266 |
| chr4  | 94012001 | 94017000 | 5.23E-05    |
| chr4  | 94061001 | 94066000 | 5.57E-05    |
| chr4  | 94262001 | 94267000 | 0.000378781 |
| chr4  | 94324001 | 94329000 | 6.94E-06    |
| chr4  | 94375001 | 94380000 | 4.23E-05    |
| chr4  | 94503001 | 94508000 | 1.91E-05    |
| chr4  | 94504001 | 94509000 | 2.39E-05    |
| chr4  | 94681001 | 94686000 | 3.82E-07    |
| chr4  | 94682001 | 94687000 | 9.56E-10    |
| chr4  | 94683001 | 94688000 | 2.48E-09    |
| chr4  | 94684001 | 94689000 | 0.000738989 |
| chr4  | 94685001 | 94690000 | 1.02E-05    |
| chr4  | 94686001 | 94691000 | 0.001392288 |
| chr4  | 94765001 | 94770000 | 0.001152207 |
| chr4  | 94767001 | 94772000 | 0.000580466 |
| chr4  | 94768001 | 94773000 | 0.000375311 |
| chr4  | 94939001 | 94944000 | 0.002948176 |
| chr4  | 94940001 | 94945000 | 0.003339155 |
| chr4  | 95046001 | 95051000 | 0.006766526 |
| chr4  | 95642001 | 95647000 | 9.68E-07    |
| chr4  | 95722001 | 95727000 | 0.00518443  |
| chr4  | 95730001 | 95735000 | 3.06E-05    |
| chr4  | 95767001 | 95772000 | 0.002094563 |
| chr4  | 95768001 | 95773000 | 0.005333738 |
| chr4  | 95769001 | 95774000 | 0.003347789 |
| chr4  | 95770001 | 95775000 | 2.88E-05    |
| chr4  | 95852001 | 95857000 | 1.42E-07    |
| chr4  | 96271001 | 96276000 | 0.001577819 |
| chr4  | 96335001 | 96340000 | 0.003744851 |
| chr4  | 96336001 | 96341000 | 0.003416936 |
| chr4  | 96375001 | 96380000 | 2.14E-06    |
| chr4  | 96376001 | 96381000 | 4.53E-06    |
| chr4  | 96449001 | 96454000 | 0.000577498 |
| chr4  | 96450001 | 96455000 | 0.000274378 |
| chr4 | Start     | End       | P-value |
|------|-----------|-----------|---------|
| 96674001 | 96679000  | 0.005642567 |
| 96742001 | 96747000  | 0.001004919 |
| 96743001 | 96748000  | 0.000135795 |
| 96742001 | 96747000  | 8.44E-07   |
| 96743001 | 96748000  | 6.40E-07   |
| 96743001 | 96748000  | 7.13E-06   |
| 97106001 | 97111000  | 0.001907909 |
| 97226001 | 97231000  | 8.24E-07   |
| 97227001 | 97232000  | 7.13E-06   |
| 97307001 | 97312000  | 0.017969248 |
| 97377001 | 97382000  | 0.000106997 |
| 97380001 | 97385000  | 8.44E-05   |
| 97627001 | 97632000  | 0.001709225 |
| 97628001 | 97633000  | 0.001698073 |
| 97629001 | 97634000  | 0.000846958 |
| 97630001 | 97635000  | 0.000787429 |
| 97631001 | 97636000  | 5.91E-05   |
| 97672001 | 97677000  | 0.001944204 |
| 97673001 | 97678000  | 0.001415954 |
| 97674001 | 97679000  | 0.000689171 |
| 97852001 | 97857000  | 4.43E-05   |
| 97944001 | 97949000  | 1.94E-06   |
| 98121001 | 98126000  | 5.43E-09   |
| 98640001 | 98645000  | 2.70E-05   |
| 98641001 | 98646000  | 1.88E-05   |
| 98642001 | 98647000  | 2.63E-07   |
| 98643001 | 98648000  | 1.41E-05   |
| 98644001 | 98649000  | 9.97E-06   |
| 98804001 | 98809000  | 0.001656987 |
| 99636001 | 99641000  | 0.000141623 |
| 99828001 | 99833000  | 7.68E-08   |
| 99829001 | 99834000  | 4.16E-09   |
| 100683001 | 100688000 | 0.000205963 |
| 100899001 | 100904000 | 0.001031144 |
| 100975001 | 100980000 | 0.000857442 |
| 101201001 | 101206000 | 0.000956171 |
| 101202001 | 101207000 | 0.00110063  |
| 101203001 | 101208000 | 0.00064922  |
| 101204001 | 101209000 | 0.003900723 |
| 101205001 | 101210000 | 0.001151258 |
| 101341001 | 101346000 | 3.38E-05   |
| 101342001 | 101347000 | 5.68E-05   |
| 101548001 | 101553000 | 3.24E-06   |
| 103058001 | 103063000 | 0.000622397 |
| 103103001 | 103108000 | 0.000950093 |
| 103391001 | 103396000 | 0.01815374 |
| 103930001 | 103935000 | 2.88E-06   |
| 104121001 | 104126000 | 0.003887343 |
| 104202001 | 104207000 | 0.000335441 |
| 104231001 | 104236000 | 0.001816945 |
| Chr  | Start  | End    | p-value |
|------|--------|--------|---------|
| chr4 | 104497001 | 104502000 | 0.00038209 |
| chr4 | 104498001 | 104503000 | 0.000650126 |
| chr4 | 104640001 | 104645000 | 0.0001731548 |
| chr4 | 104641001 | 104646000 | 0.000927892 |
| chr4 | 104660001 | 104665000 | 0.009602302 |
| chr4 | 104663001 | 104668000 | 0.002078438 |
| chr4 | 104670001 | 104675000 | 0.00182367 |
| chr4 | 105137001 | 105142000 | 0.001731548 |
| chr4 | 105656001 | 105661000 | 0.000455306 |
| chr4 | 105657001 | 105662000 | 0.000927892 |
| chr4 | 105672001 | 105677000 | 0.009602302 |
| chr4 | 105781001 | 105786000 | 0.002078438 |
| chr4 | 105982001 | 105987000 | 0.000182367 |
| chr4 | 106069001 | 106074000 | 0.000484088 |
| chr4 | 106264001 | 106269000 | 0.00115094 |
| chr4 | 106474001 | 106479000 | 0.00183674 |
| chr4 | 106515001 | 106520000 | 0.005310072 |
| chr4 | 106520001 | 106525000 | 0.00529269 |
| chr4 | 107291001 | 107296000 | 4.64E-05 |
| chr4 | 107292001 | 107297000 | 0.003589645 |
| chr4 | 107293001 | 107298000 | 0.00241517 |
| chr4 | 107345001 | 107350000 | 0.002066134 |
| chr4 | 107358001 | 107363000 | 4.20E-05 |
| chr4 | 107359001 | 107364000 | 7.98E-05 |
| chr4 | 107360001 | 107365000 | 0.000204057 |
| chr4 | 107426001 | 107431000 | 0.002279493 |
| chr4 | 107427001 | 107432000 | 0.000616396 |
| chr4 | 107506001 | 107511000 | 0.01119597 |
| chr4 | 107704001 | 107709000 | 0.000597429 |
| chr4 | 107839001 | 107844000 | 0.00604466 |
| chr4 | 108387001 | 108392000 | 0.022421251 |
| chr4 | 108807001 | 108812000 | 2.48E-06 |
| chr4 | 108808001 | 108813000 | 2.48E-06 |
| chr4 | 108809001 | 108814000 | 1.00E-06 |
| chr4 | 109148001 | 109153000 | 4.27E-07 |
| chr4 | 109177001 | 109182000 | 1.60E-06 |
| chr4 | 109178001 | 109183000 | 4.81E-06 |
| chr4 | 110722001 | 110727000 | 2.67E-08 |
| chr4 | 111045001 | 111050000 | 0.001685488 |
| chr4 | 111128001 | 111133000 | 2.82E-06 |
| chr4 | 111140001 | 111145000 | 0.000471209 |
| chr4 | 111141001 | 111146000 | 0.000540624 |
| chr4 | 111268001 | 111273000 | 0.005310072 |
| chr4 | 111276001 | 111281000 | 0.001550249 |
| chr4 | 111278001 | 111283000 | 0.00332827 |
| chr4 | 111279001 | 111284000 | 0.00373443 |
| chr4 | 111280001 | 111285000 | 0.002672377 |
| Chromosome | Start Position | End Position | Score |
|------------|----------------|--------------|-------|
| chr4       | 112187001      | 112192000    | 0.003121293 |
| chr4       | 112226001      | 112231000    | 6.60E-06   |
| chr4       | 112228001      | 112233000    | 4.46E-06   |
| chr4       | 112229001      | 112234000    | 7.39E-07   |
| chr4       | 112230001      | 112235000    | 7.29E-11   |
| chr4       | 112231001      | 112236000    | 2.35E-07   |
| chr4       | 112272001      | 112277000    | 0.000691632 |
| chr4       | 112273001      | 112278000    | 0.002192378 |
| chr4       | 112274001      | 112279000    | 0.005487109 |
| chr4       | 112275001      | 112280000    | 0.024599664 |
| chr4       | 112294001      | 112299000    | 0.002487809 |
| chr4       | 112572001      | 112577000    | 2.65E-05   |
| chr4       | 112993001      | 112998000    | 1.50E-06   |
| chr4       | 113218001      | 113223000    | 0.00078008 |
| chr4       | 113425001      | 113430000    | 2.41E-11   |
| chr4       | 113450001      | 113455000    | 3.59E-06   |
| chr4       | 113451001      | 113456000    | 1.46E-11   |
| chr4       | 113452001      | 113457000    | 5.08E-05   |
| chr4       | 113453001      | 113458000    | 0.000171533 |
| chr4       | 113641001      | 113646000    | 3.75E-06   |
| chr4       | 113672001      | 113677000    | 0.000355676 |
| chr4       | 113713001      | 113718000    | 0.000214208 |
| chr4       | 113808001      | 113813000    | 0.001066706 |
| chr4       | 113828001      | 113833000    | 9.86E-16   |
| chr4       | 113829001      | 113834000    | 3.08E-14   |
| chr4       | 113830001      | 113835000    | 3.05E-12   |
| chr4       | 113831001      | 113836000    | 2.10E-11   |
| chr4       | 113932001      | 113937000    | 7.19E-08   |
| chr4       | 114065001      | 114070000    | 2.75E-06   |
| chr4       | 114066001      | 114071000    | 7.17E-07   |
| chr4       | 114067001      | 114072000    | 0.00084343 |
| chr4       | 114366001      | 114371000    | 3.51E-07   |
| chr4       | 115687001      | 115692000    | 0.007994013 |
| chr4       | 115688001      | 115693000    | 0.003441094 |
| chr4       | 115903001      | 115908000    | 0.000699659 |
| chr4       | 117045001      | 117050000    | 0.002453236 |
| chr4       | 117140001      | 117145000    | 0.000729379 |
| chr4       | 118623001      | 118628000    | 0.000722386 |
| chr4       | 118897001      | 118902000    | 1.18E-05   |
| chr4       | 119445001      | 119450000    | 1.71E-06   |
| chr4       | 119446001      | 119451000    | 8.36E-06   |
| chr4       | 119946001      | 119951000    | 3.35E-10   |
| chr4       | 120202001      | 120207000    | 0.000446568 |
| chr4       | 120205001      | 120210000    | 3.08E-06   |
| chr4       | 120843001      | 120848000    | 6.72E-12   |
| chr4       | 120844001      | 120849000    | 1.67E-11   |
| chr4       | 120863001      | 120868000    | 2.60E-06   |
| chr4       | 121145001      | 121150000    | 0.00273017 |
| chr4 | 121351001 | 121356000 | 0.000211439 |
|------|-----------|-----------|-------------|
| chr4 | 121644001 | 121649000 | 2.44E-05    |
| chr4 | 121713001 | 121718000 | 0.003284253 |
| chr4 | 121714001 | 121719000 | 0.000690899 |
| chr4 | 121787001 | 121792000 | 0.005785157 |
| chr4 | 122064001 | 122069000 | 0.000572039 |
| chr4 | 122160001 | 122165000 | 0.0014377   |
| chr4 | 122340001 | 122345000 | 2.78E-06    |
| chr4 | 122517001 | 122522000 | 0.01834516  |
| chr4 | 122518001 | 122523000 | 0.00622702  |
| chr4 | 122519001 | 122524000 | 0.001984511 |
| chr4 | 122571001 | 122576000 | 0.000201687 |
| chr4 | 122947001 | 122952000 | 0.000775404 |
| chr4 | 122973001 | 122978000 | 0.003034168 |
| chr4 | 123296001 | 123301000 | 4.20E-07    |
| chr4 | 123297001 | 123302000 | 1.32E-09    |
| chr4 | 123851001 | 123856000 | 4.69E-05    |
| chr4 | 123911001 | 123916000 | 3.64E-08    |
| chr4 | 124307001 | 124312000 | 1.74E-07    |
| chr4 | 124330001 | 124335000 | 1.99E-06    |
| chr4 | 124331001 | 124336000 | 8.80E-07    |
| chr4 | 124337001 | 124342000 | 4.97E-06    |
| chr4 | 124338001 | 124343000 | 6.06E-06    |
| chr4 | 124339001 | 124344000 | 3.72E-07    |
| chr4 | 125087001 | 125092000 | 0.000308341 |
| chr4 | 125181001 | 125186000 | 0.000496626 |
| chr4 | 125182001 | 125187000 | 0.000346953 |
| chr4 | 125211001 | 125216000 | 4.64E-05    |
| chr4 | 125212001 | 125217000 | 4.42E-05    |
| chr4 | 125292001 | 125297000 | 1.62E-06    |
| chr4 | 125294001 | 125299000 | 2.31E-06    |
| chr4 | 125295001 | 125300000 | 8.71E-05    |
| chr4 | 125344001 | 125349000 | 0.01182388  |
| chr4 | 126490001 | 126495000 | 0.00034531  |
| chr4 | 126491001 | 126496000 | 1.18E-05    |
| chr4 | 126492001 | 126497000 | 3.84E-05    |
| chr4 | 126535001 | 126540000 | 8.64E-07    |
| chr4 | 126637001 | 126642000 | 0.002102581 |
| chr4 | 127200001 | 127205000 | 0.00125779  |
| chr4 | 127201001 | 127206000 | 0.001945855 |
| chr4 | 127202001 | 127207000 | 0.00196824  |
| chr4 | 127357001 | 127362000 | 9.11E-05    |
| chr4 | 127359001 | 127364000 | 4.89E-07    |
| chr4 | 127360001 | 127365000 | 1.02E-05    |
| chr4 | 127608001 | 127613000 | 0.015417598 |
| chr4 | 127609001 | 127614000 | 0.019399886 |
| chr4 | 128032001 | 128037000 | 0.003213058 |
| chr4 | 128033001 | 128038000 | 0.002904239 |
| Chrom  | Start Position | End Position | p-value   |
|--------|----------------|--------------|-----------|
| chr4   | 128034001      | 128039000    | 0.002646965 |
| chr4   | 128065001      | 128070000    | 0.004389317 |
| chr4   | 128066001      | 128071000    | 0.005072658 |
| chr4   | 128068001      | 128073000    | 0.000859794 |
| chr4   | 128191001      | 128196000    | 0.000626573 |
| chr4   | 128331001      | 128336000    | 7.31E-06   |
| chr4   | 128439001      | 128444000    | 0.011935771 |
| chr4   | 128651001      | 128656000    | 9.04E-17   |
| chr4   | 129168001      | 129173000    | 0.004205072 |
| chr4   | 129359001      | 129364000    | 7.92E-05   |
| chr4   | 129367001      | 129372000    | 3.01E-06   |
| chr4   | 129564001      | 129569000    | 9.58E-13   |
| chr4   | 129565001      | 129570000    | 2.02E-06   |
| chr4   | 129566001      | 129571000    | 7.59E-07   |
| chr4   | 129596001      | 129601000    | 1.97E-05   |
| chr4   | 129698001      | 129703000    | 1.01E-05   |
| chr4   | 130077001      | 130082000    | 0.006036239 |
| chr4   | 130110001      | 130115000    | 0.000319513 |
| chr4   | 130123001      | 130128000    | 0.000375029 |
| chr4   | 130185001      | 130190000    | 0.000107167 |
| chr4   | 130335001      | 130340000    | 1.04E-07   |
| chr4   | 130387001      | 130392000    | 0.003770869 |
| chr4   | 130706001      | 130711000    | 0.001335079 |
| chr4   | 130708001      | 130713000    | 0.001459725 |
| chr4   | 130812001      | 130817000    | 0.000143441 |
| chr4   | 131057001      | 131062000    | 0.000086959 |
| chr4   | 131228001      | 131233000    | 0.001469233 |
| chr4   | 131494001      | 131499000    | 0.002207871 |
| chr4   | 131495001      | 131500000    | 0.002699845 |
| chr4   | 131631001      | 131636000    | 0.001614916 |
| chr4   | 132241001      | 132246000    | 1.89E-05   |
| chr4   | 132242001      | 132247000    | 5.77E-05   |
| chr4   | 132726001      | 132731000    | 8.62E-15   |
| chr4   | 132727001      | 132732000    | 1.41E-15   |
| chr4   | 132728001      | 132733000    | 1.06E-08   |
| chr4   | 132729001      | 132734000    | 4.06E-05   |
| chr4   | 132730001      | 132735000    | 1.89E-09   |
| chr4   | 133030001      | 133035000    | 0.008635087 |
| chr4   | 133031001      | 133036000    | 0.003948237 |
| chr4   | 133631001      | 133636000    | 2.62E-05   |
| chr4   | 133632001      | 133637000    | 8.75E-06   |
| chr4   | 133633001      | 133638000    | 6.66E-06   |
| chr4   | 133634001      | 133639000    | 7.08E-05   |
| chr4   | 133829001      | 133834000    | 1.77E-05   |
| chr4   | 133830001      | 133835000    | 7.52E-06   |
chr4  133831001  133836000  1.22E-05  
chr4  133832001  133837000  1.58E-05  
chr4  133843001  133848000  0.0004313  
chr4  133844001  133849000  0.000733441  
chr4  133860001  133865000  0.000466202  
chr4  134806001  134811000  1.46E-05  
chr4  134807001  134812000  2.13E-07  
chr4  134808001  134813000  1.69E-07  
chr4  134809001  134814000  1.67E-07  
chr4  135086001  135091000  0.000409282  
chr4  135087001  135092000  0.000405664  
chr4  135088001  135093000  0.001232026  
chr4  135089001  135094000  0.001984511  
chr4  136071001  136076000  9.53E-05  
chr4  136112001  136117000  0.001009084  
chr4  136113001  136118000  0.000273112  
chr4  136114001  136119000  0.000569996  
chr4  136448001  136453000  0.00366195  
chr4  136558001  136563000  0.000107216  
chr4  136872001  136877000  0.003814362  
chr4  137264001  137269000  0.0002256023  
chr4  137325001  137330000  0.000584703  
chr4  137651001  137656000  3.01E-06  
chr4  137652001  137657000  4.61E-09  
chr4  139007001  139012000  2.50E-21  
chr4  139008001  139013000  3.05E-27  
chr4  139009001  139014000  1.07E-19  
chr4  139010001  139015000  2.49E-21  
chr4  139270001  139275000  5.71E-05  
chr4  139457001  139462000  0.000792638  
chr4  140117001  140122000  2.56E-05  
chr4  140586001  140591000  8.01E-14  
chr4  140587001  140592000  3.36E-13  
chr4  141280001  141285000  2.91E-09  
chr4  141281001  141286000  2.33E-09  
chr4  141887001  141892000  2.32E-06  
chr4  141888001  141893000  1.38E-05  
chr4  141889001  141894000  0.001524655  
chr4  142077001  142082000  0.000202539  
chr4  142355001  142360000  0.002168058  
chr4  142356001  142361000  0.002131485  
chr4  142387001  142392000  0.000126063  
chr4  142388001  142393000  2.77E-07  
chr4  142768001  142773000  0.000591726  
chr4  142770001  142775000  8.93E-08  
chr4  142817001  142822000  3.27E-07
| Chromosome | Start Position | End Position | P-value       |
|------------|----------------|--------------|---------------|
| chr4       | 142913001      | 142918000    | 1.23E-08      |
| chr4       | 142914001      | 142919000    | 0.000965654   |
| chr4       | 142915001      | 142920000    | 0.000307712   |
| chr4       | 142916001      | 142921000    | 0.000633006   |
| chr4       | 143045001      | 143050000    | 9.16E-06      |
| chr4       | 143047001      | 143052000    | 6.35E-05      |
| chr4       | 143048001      | 143053000    | 0.000293922   |
| chr4       | 143041001      | 143046000    | 0.00468631    |
| chr4       | 143401001      | 143406000    | 0.006510181   |
| chr4       | 143402001      | 143407000    | 3.27E-07      |
| chr4       | 143408001      | 143409000    | 7.17E-06      |
| chr4       | 143409001      | 143414000    | 7.18E-06      |
| chr4       | 143410001      | 143415000    | 2.04E-08      |
| chr4       | 143411001      | 143416000    | 5.75E-05      |
| chr4       | 143526001      | 143531000    | 0.000293922   |
| chr4       | 143529001      | 143534000    | 0.000301354   |
| chr4       | 143578001      | 143583000    | 3.27E-07      |
| chr4       | 143579001      | 143584000    | 2.05E-08      |
| chr4       | 143581001      | 143586000    | 9.13E-09      |
| chr4       | 143630001      | 143635000    | 0.002111968   |
| chr4       | 143631001      | 143636000    | 0.001452007   |
| chr4       | 143649001      | 143654000    | 5.75E-05      |
| chr4       | 144104001      | 144109000    | 0.006768536   |
| chr4       | 144263001      | 144268000    | 3.44E-07      |
| chr4       | 144301001      | 144306000    | 1.58E-07      |
| chr4       | 144302001      | 144307000    | 7.18E-06      |
| chr4       | 144490001      | 144495000    | 2.04E-08      |
| chr4       | 144696001      | 144701000    | 0.006768536   |
| chr4       | 144970001      | 144975000    | 0.005707275   |
| chr4       | 144980001      | 144985000    | 0.006787628   |
| chr4       | 145092001      | 145097000    | 1.57E-06      |
| chr4       | 145093001      | 145098000    | 1.28E-06      |
| chr4       | 145284001      | 145289000    | 0.004138331   |
| chr4       | 145517001      | 145522000    | 0.000219111   |
| chr4       | 145518001      | 145523000    | 4.12E-05      |
| chr4       | 145519001      | 145524000    | 0.000249583   |
| chr4       | 145549001      | 145554000    | 1.04E-05      |
| chr4       | 145579001      | 145584000    | 2.48E-08      |
| chr4       | 146875001      | 146880000    | 1.15E-05      |
| chr4       | 146876001      | 146881000    | 1.55E-06      |
| chr4       | 147162001      | 147167000    | 1.13E-17      |
| chr4       | 147163001      | 147168000    | 8.64E-16      |
| chr4       | 147986001      | 147991000    | 0.003213986   |
| chr4       | 147987001      | 147992000    | 0.004338137   |
| chr4       | 148366001      | 148371000    | 0.005223155   |
| chr4       | 148435001      | 148440000    | 5.00E-09      |
| chr4       | 149310001      | 149315000    | 5.50E-06      |
| chr4       | 149311001      | 149316000    | 5.08E-06      |
| chr4       | 149525001      | 149530000    | 0.000249092   |
| chr4       | 149751001      | 149756000    | 1.93E-06      |
| chr4       | 150065001      | 150070000    | 0.000722798   |
| chr4       | 150330001      | 150335000    | 0.000223067   |
| Chr  | Start Position | End Position | P-value     |
|------|----------------|--------------|-------------|
| chr4 | 150727001      | 150732000    | 1.78E-08    |
| chr4 | 150728001      | 150733000    | 6.29E-06    |
| chr4 | 150729001      | 150734000    | 3.53E-06    |
| chr4 | 150809001      | 150814000    | 0.00085221  |
| chr4 | 151055001      | 151060000    | 6.0E-05     |
| chr4 | 151064001      | 151069000    | 0.00126367  |
| chr4 | 151082001      | 151087000    | 0.00011488  |
| chr4 | 151083001      | 151088000    | 1.03E-06    |
| chr4 | 151084001      | 151089000    | 4.60E-06    |
| chr4 | 151099001      | 151104000    | 3.99E-05    |
| chr4 | 151100001      | 151105000    | 3.91E-06    |
| chr4 | 151101001      | 151106000    | 6.69E-05    |
| chr4 | 151114001      | 151119000    | 1.58E-05    |
| chr4 | 151154001      | 151159000    | 7.61E-11    |
| chr4 | 151161001      | 151166000    | 9.62E-06    |
| chr4 | 152113001      | 152118000    | 0.000323701 |
| chr4 | 152114001      | 152119000    | 4.96E-05    |
| chr4 | 152723001      | 152728000    | 2.20E-06    |
| chr4 | 152969001      | 152974000    | 1.31E-07    |
| chr4 | 152970001      | 152975000    | 7.43E-06    |
| chr4 | 152971001      | 152976000    | 1.46E-05    |
| chr4 | 153431001      | 153436000    | 1.47E-08    |
| chr4 | 154993001      | 154998000    | 9.56E-05    |
| chr4 | 155390001      | 155395000    | 4.98E-05    |
| chr4 | 155477001      | 155482000    | 0.000561567 |
| chr4 | 155493001      | 155498000    | 0.007248997 |
| chr4 | 155555001      | 155560000    | 1.33E-05    |
| chr4 | 155556001      | 155561000    | 2.72E-08    |
| chr4 | 155557001      | 155562000    | 1.13E-07    |
| chr4 | 155558001      | 155563000    | 5.54E-09    |
| chr4 | 155559001      | 155564000    | 1.60E-07    |
| chr4 | 155560001      | 155565000    | 1.90E-06    |
| chr4 | 155561001      | 155566000    | 0.000298079 |
| chr4 | 155805001      | 155810000    | 0.025825642 |
| chr4 | 155824001      | 155829000    | 3.70E-05    |
| chr4 | 155877001      | 155882000    | 0.017677976 |
| chr4 | 155878001      | 155883000    | 0.018697015 |
| chr4 | 155915001      | 155920000    | 0.001268483 |
| chr4 | 156321001      | 156326000    | 5.67E-06    |
| chr4 | 156411001      | 156416000    | 8.44E-06    |
| chr4 | 156412001      | 156417000    | 4.11E-08    |
| chr4 | 156907001      | 156912000    | 1.89E-10    |
| chr4 | 156908001      | 156913000    | 1.18E-10    |
| chr4 | 156909001      | 156914000    | 7.96E-10    |
| chr4 | 157303001      | 157308000    | 5.54E-05    |
| chr4 | 157420001      | 157425000    | 0.000570673 |
| chr4 | 157439001      | 157444000    | 0.002835571 |
| chr4 | 157490001      | 157495000    | 9.90E-08    |
| Chromosome | Start Position | End Position | P-value       |
|------------|----------------|--------------|---------------|
| chr4       | 157491001      | 157496000    | 7.78E-07      |
| chr4       | 157564001      | 157569000    | 1.93E-06      |
| chr4       | 157911001      | 157916000    | 3.06E-05      |
| chr4       | 157912001      | 157917000    | 0.00018865    |
| chr4       | 158348001      | 158353000    | 0.000106443   |
| chr4       | 158365001      | 158370000    | 6.61E-06      |
| chr4       | 158378001      | 158383000    | 1.35E-06      |
| chr4       | 158379001      | 158384000    | 1.90E-06      |
| chr4       | 158380001      | 158385000    | 8.88E-07      |
| chr4       | 158556001      | 158561000    | 2.36E-07      |
| chr4       | 158557001      | 158562000    | 3.78E-09      |
| chr4       | 158558001      | 158563000    | 1.32E-08      |
| chr4       | 158559001      | 158564000    | 4.39E-06      |
| chr4       | 158570001      | 158575000    | 0.002315677   |
| chr4       | 158571001      | 158576000    | 0.003210551   |
| chr4       | 159200001      | 159205000    | 0.000582232   |
| chr4       | 159475001      | 159480000    | 0.000770416   |
| chr4       | 159476001      | 159481000    | 0.007216433   |
| chr4       | 159691001      | 159696000    | 0.001571862   |
| chr4       | 159738001      | 159743000    | 4.95E-05      |
| chr4       | 159922001      | 159927000    | 0.000825757   |
| chr4       | 160369001      | 160374000    | 8.20E-07      |
| chr4       | 160538001      | 160543000    | 0.000267429   |
| chr4       | 160942001      | 160947000    | 6.28E-05      |
| chr4       | 161255001      | 161260000    | 0.003365033   |
| chr4       | 161256001      | 161261000    | 9.88E-08      |
| chr4       | 161297001      | 161302000    | 1.93E-08      |
| chr4       | 161330001      | 161335000    | 5.03E-05      |
| chr4       | 161380001      | 161385000    | 1.08E-07      |
| chr4       | 161381001      | 161386000    | 1.56E-06      |
| chr4       | 161382001      | 161387000    | 3.83E-05      |
| chr4       | 161593001      | 161598000    | 2.12E-05      |
| chr4       | 161619001      | 161624000    | 2.03E-05      |
| chr4       | 161620001      | 161625000    | 5.87E-05      |
| chr4       | 161637001      | 161642000    | 9.86E-10      |
| chr4       | 161638001      | 161633000    | 9.78E-11      |
| chr4       | 161639001      | 161644000    | 4.33E-08      |
| chr4       | 161640001      | 161645000    | 8.71E-08      |
| chr4       | 161690001      | 161695000    | 0.000212474   |
| chr4       | 161715001      | 161720000    | 0.00001440628 |
| chr4       | 161716001      | 161721000    | 4.54E-05      |
| chr4       | 161717001      | 161722000    | 1.02E-05      |
| chr4       | 162164001      | 162169000    | 1.21E-07      |
| chr4       | 162165001      | 162170000    | 2.11E-06      |
| chr4       | 162293001      | 162298000    | 9.39E-05      |
| chr4       | 162554001      | 162559000    | 1.69E-05      |
| chr4       | 162661001      | 162666000    | 0.000585856   |
| chr4       | 162790001      | 162795000    | 1.11E-05      |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr4       | 162911001      | 162916000    | 0.001518819 |
| chr4       | 162912001      | 162917000    | 0.000157991 |
| chr4       | 163484001      | 163489000    | 0.006140214 |
| chr4       | 163555001      | 163560000    | 1.33E-05  |
| chr4       | 163595001      | 163600000    | 0.001627819 |
| chr4       | 163809001      | 163814000    | 0.002895008 |
| chr4       | 163813001      | 163818000    | 0.000988492 |
| chr4       | 163988001      | 163993000    | 3.16E-05  |
| chr4       | 164222001      | 164227000    | 1.92E-08  |
| chr4       | 164223001      | 164228000    | 1.41E-08  |
| chr4       | 164296001      | 164301000    | 0.00379602 |
| chr4       | 164586001      | 164591000    | 0.004771385 |
| chr4       | 165252001      | 165257000    | 0.000997145 |
| chr4       | 165253001      | 165258000    | 0.000823358 |
| chr4       | 165666001      | 165671000    | 0.004769064 |
| chr4       | 165690001      | 165695000    | 1.47E-06  |
| chr4       | 165691001      | 165696000    | 6.03E-05  |
| chr4       | 166040001      | 166045000    | 0.002761945 |
| chr4       | 166351001      | 166356000    | 9.40E-06  |
| chr4       | 166720001      | 166725000    | 8.41E-11  |
| chr4       | 166826001      | 166831000    | 0.000166682 |
| chr4       | 166883001      | 166888000    | 0.000252968 |
| chr4       | 166980001      | 166985000    | 0.000112408 |
| chr4       | 167095001      | 167100000    | 0.003658108 |
| chr4       | 167179001      | 167184000    | 0.013161768 |
| chr4       | 167301001      | 167306000    | 0.000830819 |
| chr4       | 167341001      | 167346000    | 0.000177196 |
| chr4       | 167370001      | 167375000    | 5.49E-05  |
| chr4       | 167478001      | 167483000    | 1.56E-05  |
| chr4       | 167480001      | 167485000    | 5.31E-06  |
| chr4       | 167606001      | 167611000    | 0.002480749 |
| chr4       | 167648001      | 167653000    | 1.20E-05  |
| chr4       | 167649001      | 167654000    | 7.59E-06  |
| chr4       | 167844001      | 167849000    | 0.015470275 |
| chr4       | 167888001      | 167893000    | 0.004491784 |
| chr4       | 167889001      | 167894000    | 0.007067596 |
| chr4       | 167915001      | 167920000    | 0.00849985 |
| chr4       | 167916001      | 167921000    | 0.000881074 |
| chr4       | 167917001      | 167922000    | 0.00100419 |
| chr4       | 168158001      | 168163000    | 0.00160615 |
| chr4       | 168219001      | 168224000    | 1.90E-05  |
| chr4       | 168410001      | 168415000    | 0.001826266 |
| chr4       | 168411001      | 168416000    | 1.89E-05  |
| chr4       | 168542001      | 168547000    | 0.003544444 |
| chr4       | 168555001      | 168560000    | 0.008598256 |
| chr4       | 168557001      | 168562000    | 9.61E-08  |
| chr4       | 168558001      | 168563000    | 1.11E-08  |
| chr4       | 168559001      | 168564000    | 0.000132115 |
| Chromosome | Start Position | End Position | Log10FoldChange |
|------------|----------------|--------------|----------------|
| chr4       | 168753001      | 168758000    | 0.000129332    |
| chr4       | 168754001      | 168759000    | 0.000169306    |
| chr4       | 168761001      | 168766000    | 0.000367894    |
| chr4       | 168881001      | 168886000    | 0.003903024    |
| chr4       | 168882001      | 168887000    | 0.000858099    |
| chr4       | 168935001      | 168940000    | 0.000219767    |
| chr4       | 168936001      | 168941000    | 0.000204357    |
| chr4       | 168938001      | 168943000    | 5.53E-05       |
| chr4       | 168939001      | 168944000    | 4.79E-05       |
| chr4       | 168943001      | 168948000    | 1.53E-06       |
| chr4       | 169044001      | 169049000    | 0.001869014    |
| chr4       | 169071001      | 169076000    | 3.52E-09       |
| chr4       | 169072001      | 169077000    | 6.08E-10       |
| chr4       | 169073001      | 169078000    | 2.90E-12       |
| chr4       | 169074001      | 169079000    | 4.88E-13       |
| chr4       | 169403001      | 169408000    | 2.28E-05       |
| chr4       | 169470001      | 169475000    | 1.16E-07       |
| chr4       | 169491001      | 169496000    | 1.63E-07       |
| chr4       | 169524001      | 169529000    | 2.70E-09       |
| chr4       | 170052001      | 170057000    | 1.90E-07       |
| chr4       | 170053001      | 170058000    | 1.78E-06       |
| chr4       | 170100001      | 170105000    | 6.33E-10       |
| chr4       | 170101001      | 170106000    | 3.01E-10       |
| chr4       | 170170001      | 170175000    | 1.74E-07       |
| chr4       | 170272001      | 170277000    | 7.25E-05       |
| chr4       | 170534001      | 170539000    | 9.24E-05       |
| chr4       | 171251001      | 171256000    | 8.74E-09       |
| chr4       | 171315001      | 171320000    | 0.002254934    |
| chr4       | 171316001      | 171321000    | 0.000915092    |
| chr4       | 171318001      | 171323000    | 0.006541948    |
| chr4       | 171765001      | 171770000    | 0.00026133     |
| chr4       | 171767001      | 171772000    | 4.96E-05       |
| chr4       | 171770001      | 171775000    | 0.014096817    |
| chr4       | 171771001      | 171776000    | 0.011175962    |
| chr4       | 171804001      | 171809000    | 3.15E-06       |
| chr4       | 171821001      | 171826000    | 5.26E-06       |
| chr4       | 171822001      | 171827000    | 4.87E-07       |
| chr4       | 171823001      | 171828000    | 1.60E-07       |
| chr4       | 171824001      | 171829000    | 1.44E-09       |
| chr4       | 171825001      | 171830000    | 2.19E-05       |
| chr4       | 171826001      | 171831000    | 0.000572992    |
| chr4       | 172135001      | 172140000    | 0.00214598     |
| chr4       | 172136001      | 172141000    | 0.002060533    |
| chr4       | 172137001      | 172142000    | 0.000746728    |
| chr4       | 172138001      | 172143000    | 0.00079914     |
| chr4       | 172358001      | 172363000    | 0.004000599    |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr4       | 172359001      | 172364000    | 0.001078593 |
| chr4       | 172360001      | 172365000    | 1.86E-12 |
| chr4       | 172361001      | 172366000    | 1.38E-12 |
| chr4       | 172363001      | 172368000    | 1.50E-09 |
| chr4       | 172364001      | 172369000    | 6.77E-07 |
| chr4       | 172385001      | 172390000    | 0.000224259 |
| chr4       | 172552001      | 172557000    | 0.000247987 |
| chr4       | 172989001      | 172994000    | 0.001514835 |
| chr4       | 173092001      | 173097000    | 1.11E-08 |
| chr4       | 173161001      | 173166000    | 0.07828482 |
| chr4       | 173188001      | 173193000    | 0.00408116 |
| chr4       | 173189001      | 173194000    | 0.004281279 |
| chr4       | 173190001      | 173195000    | 0.029413203 |
| chr4       | 173261001      | 173266000    | 0.08188387 |
| chr4       | 173262001      | 173267000    | 0.004289628 |
| chr4       | 173391001      | 173396000    | 0.000264748 |
| chr4       | 173483001      | 173488000    | 4.33E-07 |
| chr4       | 173598001      | 173603000    | 0.005980036 |
| chr4       | 173599001      | 173604000    | 0.007974867 |
| chr4       | 173695001      | 173700000    | 0.000582181 |
| chr4       | 174569001      | 174574000    | 2.98E-09 |
| chr4       | 174570001      | 174575000    | 1.21E-07 |
| chr4       | 174571001      | 174576000    | 1.12E-08 |
| chr4       | 174602001      | 174607000    | 1.36E-05 |
| chr4       | 174603001      | 174608000    | 2.69E-07 |
| chr4       | 174604001      | 174609000    | 1.69E-06 |
| chr4       | 174650001      | 174655000    | 0.000171263 |
| chr4       | 174651001      | 174656000    | 0.000227076 |
| chr4       | 174665001      | 174670000    | 0.029050264 |
| chr4       | 174764001      | 174769000    | 0.000295289 |
| chr4       | 174819001      | 174824000    | 1.82E-06 |
| chr4       | 174820001      | 174825000    | 3.12E-06 |
| chr4       | 174821001      | 174826000    | 2.64E-06 |
| chr4       | 174822001      | 174827000    | 1.89E-06 |
| chr4       | 174894001      | 174899000    | 5.45E-16 |
| chr4       | 174895001      | 174900000    | 1.68E-19 |
| chr4       | 174899001      | 174904000    | 0.000102034 |
| chr4       | 175096001      | 175101000    | 0.00153658 |
| chr4       | 175121001      | 175126000    | 0.000231243 |
| chr4       | 175147001      | 175152000    | 0.001303242 |
| chr4       | 175306001      | 175311000    | 0.004142631 |
| chr4       | 175406001      | 175411000    | 0.00136391 |
| chr4       | 175570001      | 175575000    | 0.003732618 |
| chr4       | 175606001      | 175611000    | 0.000952846 |
| chr4       | 175607001      | 175612000    | 0.000856599 |
| chr4       | 175634001      | 175639000    | 0.000549481 |
| chr4       | 175635001      | 175640000    | 0.000431637 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr4       | 175680001      | 175685000    | 0.000286745 |
| chr4       | 175681001      | 175686000    | 2.26E-05 |
| chr4       | 175752001      | 175757000    | 0.001150472 |
| chr4       | 175859001      | 175864000    | 0.000686815 |
| chr4       | 175860001      | 175865000    | 0.001418982 |
| chr4       | 175880001      | 175885000    | 1.78E-08 |
| chr4       | 175917001      | 175922000    | 0.002897378 |
| chr4       | 175955001      | 175960000    | 0.019851166 |
| chr4       | 176106001      | 176111000    | 0.003984278 |
| chr4       | 176107001      | 176112000    | 0.00104822 |
| chr4       | 176313001      | 176318000    | 0.000345164 |
| chr4       | 17631001      | 176396000    | 2.97E-11 |
| chr4       | 176392001      | 176397000    | 2.62E-10 |
| chr4       | 176393001      | 176398000    | 1.89E-08 |
| chr4       | 176502001      | 176507000    | 4.89E-05 |
| chr4       | 176503001      | 176508000    | 7.68E-05 |
| chr4       | 176532001      | 176537000    | 8.02E-08 |
| chr4       | 176533001      | 176538000    | 1.05E-05 |
| chr4       | 176578001      | 176583000    | 0.000356293 |
| chr4       | 176579001      | 176584000    | 0.000256411 |
| chr4       | 176580001      | 176585000    | 4.68E-05 |
| chr4       | 176888001      | 176893000    | 4.63E-05 |
| chr4       | 176889001      | 176894000    | 4.25E-05 |
| chr4       | 176914001      | 176919000    | 8.68E-05 |
| chr4       | 177111001      | 177116000    | 3.13E-06 |
| chr4       | 177261001      | 177266000    | 7.04E-07 |
| chr4       | 177293001      | 177298000    | 0.00237032 |
| chr4       | 177310001      | 177315000    | 9.86E-05 |
| chr4       | 177417001      | 177422000    | 5.65E-06 |
| chr4       | 177448001      | 177453000    | 0.000133691 |
| chr4       | 177449001      | 177454000    | 0.000459284 |
| chr4       | 177450001      | 177455000    | 0.001808904 |
| chr4       | 177451001      | 177456000    | 0.000418234 |
| chr4       | 177452001      | 177457000    | 0.000131568 |
| chr4       | 177454001      | 177459000    | 0.004764979 |
| chr4       | 177496001      | 177501000    | 0.00029041 |
| chr4       | 177497001      | 177502000    | 0.000199107 |
| chr4       | 177553001      | 177558000    | 1.46E-09 |
| chr4       | 177554001      | 177559000    | 6.43E-11 |
| chr4       | 177555001      | 177560000    | 4.61E-10 |
| chr4       | 177556001      | 177561000    | 2.91E-09 |
| chr4       | 177557001      | 177562000    | 2.26E-07 |
| chr4       | 177558001      | 177563000    | 4.16E-06 |
| chr4       | 177721001      | 177726000    | 2.17E-07 |
| chr4       | 177723001      | 177728000    | 0.002073124 |
| chr4       | 177724001      | 177729000    | 0.002733772 |
| chr4       | 177769001      | 177774000    | 0.003025238 |
| chr4       | 177790001      | 177795000    | 9.69E-05 |
| chr4 | 177791001 | 177796000 | 0.005720301 |
|------|-----------|-----------|-------------|
| chr4 | 177877001 | 177882000 | 0.000376037 |
| chr4 | 177912001 | 177917000 | 4.25E-05    |
| chr4 | 177913001 | 177918000 | 6.12E-06    |
| chr4 | 177914001 | 177919000 | 1.18E-05    |
| chr4 | 177915001 | 177920000 | 1.07E-05    |
| chr4 | 177930001 | 177935000 | 0.000494988 |
| chr4 | 177933001 | 177938000 | 1.49E-05    |
| chr4 | 177945001 | 177950000 | 5.43E-09    |
| chr4 | 177946001 | 177951000 | 4.67E-10    |
| chr4 | 178004001 | 178009000 | 0.00248714  |
| chr4 | 178005001 | 178010000 | 0.001091138 |
| chr4 | 178006001 | 178011000 | 0.000384978 |
| chr4 | 178027001 | 178032000 | 0.002184476 |
| chr4 | 178072001 | 178077000 | 0.001064315 |
| chr4 | 178185001 | 178190000 | 0.000803492 |
| chr4 | 178344001 | 178349000 | 2.96E-05    |
| chr4 | 178371001 | 178376000 | 3.89E-07    |
| chr4 | 178716001 | 178721000 | 6.80E-08    |
| chr4 | 178784001 | 178789000 | 5.11E-05    |
| chr4 | 178800001 | 178805000 | 0.001173124 |
| chr4 | 178801001 | 178806000 | 6.20E-05    |
| chr4 | 179039001 | 179044000 | 0.001033162 |
| chr4 | 179041001 | 179046000 | 0.004522885 |
| chr4 | 179042001 | 179047000 | 0.004417961 |
| chr4 | 179053001 | 179058000 | 8.59E-07    |
| chr4 | 179054001 | 179059000 | 4.69E-13    |
| chr4 | 179078001 | 179083000 | 6.95E-05    |
| chr4 | 179217001 | 179222000 | 0.000138842 |
| chr4 | 179218001 | 179223000 | 9.09E-06    |
| chr4 | 179382001 | 179387000 | 0.000293258 |
| chr4 | 179523001 | 179528000 | 0.007142425 |
| chr4 | 179896001 | 179901000 | 6.23E-08    |
| chr4 | 179898001 | 179903000 | 2.74E-08    |
| chr4 | 179899001 | 179904000 | 7.02E-08    |
| chr4 | 179900001 | 179905000 | 6.77E-12    |
| chr4 | 179918001 | 179923000 | 0.000292195 |
| chr4 | 180004001 | 180009000 | 8.64E-09    |
| chr4 | 180007001 | 180012000 | 3.63E-05    |
| chr4 | 180077001 | 180082000 | 5.39E-09    |
| chr4 | 180078001 | 180083000 | 7.06E-08    |
| chr4 | 180124001 | 180129000 | 9.66E-06    |
| chr4 | 180194001 | 180199000 | 0.003217113 |
| chr4 | 180366001 | 180371000 | 0.000852872 |
| chr4 | 180367001 | 180372000 | 0.000340568 |
| chr4 | 180470001 | 180475000 | 1.32E-07    |
| chr4 | 180513001 | 180518000 | 5.18E-06    |
| chr4 | 180519001 | 180524000 | 9.41E-07    |
| Chromosome | Start | End   | Value         |
|------------|-------|-------|---------------|
| chr4       | 180520001 | 180525000 | 1.93E-06     |
| chr4       | 180522001 | 180527000 | 6.66E-06     |
| chr4       | 180660001 | 180665000 | 0.00627355   |
| chr4       | 180810001 | 180815000 | 0.000815898  |
| chr4       | 181147001 | 181152000 | 0.001321918  |
| chr4       | 181148001 | 181153000 | 0.002174837  |
| chr4       | 181267001 | 181272000 | 0.000635468  |
| chr4       | 181268001 | 181273000 | 0.00036699   |
| chr4       | 181269001 | 181274000 | 0.000127803  |
| chr4       | 181270001 | 181275000 | 3.71E-05     |
| chr4       | 181283001 | 181288000 | 3.66E-05     |
| chr4       | 181348001 | 181353000 | 5.93E-09     |
| chr4       | 181560001 | 181565000 | 1.96E-06     |
| chr4       | 181562001 | 181567000 | 1.17E-05     |
| chr4       | 181585001 | 181590000 | 2.14E-24     |
| chr4       | 181586001 | 181591000 | 9.21E-18     |
| chr4       | 181587001 | 181592000 | 1.70E-14     |
| chr4       | 181656001 | 181661000 | 0.00786861   |
| chr4       | 181657001 | 181662000 | 0.001173218  |
| chr4       | 181658001 | 181663000 | 0.00321782   |
| chr4       | 181666001 | 181671000 | 0.000782334  |
| chr4       | 181728001 | 181733000 | 1.76E-06     |
| chr4       | 181729001 | 181734000 | 7.58E-07     |
| chr4       | 181730001 | 181735000 | 2.07E-07     |
| chr4       | 181740001 | 181745000 | 0.001155943  |
| chr4       | 181749001 | 181754000 | 0.00062292   |
| chr4       | 181827001 | 181832000 | 0.001080504  |
| chr4       | 182448001 | 182453000 | 0.002176598  |
| chr4       | 182587001 | 182592000 | 0.000195788  |
| chr4       | 182588001 | 182593000 | 0.000401008  |
| chr4       | 182589001 | 182594000 | 0.000168275  |
| chr4       | 182590001 | 182595000 | 0.000875294  |
| chr4       | 182632001 | 182637000 | 1.52E-05     |
| chr4       | 182730001 | 182735000 | 2.74E-06     |
| chr4       | 182804001 | 182809000 | 3.23E-12     |
| chr4       | 183268001 | 183273000 | 2.91E-11     |
| chr4       | 183269001 | 183274000 | 5.69E-09     |
| chr4       | 183270001 | 183275000 | 4.57E-08     |
| chr4       | 183560001 | 183565000 | 9.99E-05     |
| chr4       | 186438001 | 186443000 | 6.08E-05     |
| chr4       | 186439001 | 186444000 | 0.00147089   |
| chr4       | 186440001 | 186445000 | 0.00626838   |
| chr4       | 187837001 | 187842000 | 1.08E-08     |
| chr4       | 188548001 | 188553000 | 0.000911402  |
| chr4       | 189121001 | 189126000 | 1.15E-07     |
| chr4       | 189524001 | 189529000 | 0.000315505  |
| chr4       | 190045001 | 190050000 | 0.000708243  |
| chr | start (0-based) | end (0-based) | p-value |
|-----|----------------|---------------|---------|
| chr4 | 190481001 | 190486000 | 3.48E-09 |
| chr4 | 190483001 | 190488000 | 9.56E-13 |
| chr4 | 190484001 | 190489000 | 7.88E-08 |
| chr5 | 391001 | 396000 | 9.60E-27 |
| chr5 | 392001 | 397000 | 4.22E-30 |
| chr5 | 8397001 | 8402000 | 5.91E-06 |
| chr5 | 8651001 | 8656000 | 0.001237359 |
| chr5 | 8852001 | 8857000 | 0.000194363 |
| chr5 | 8914001 | 8919000 | 2.01E-05 |
| chr5 | 8916001 | 8921000 | 4.31E-05 |
| chr5 | 11986001 | 11991000 | 2.76E-05 |
| chr5 | 11987001 | 11992000 | 2.34E-05 |
| chr5 | 11988001 | 11993000 | 6.45E-05 |
| chr5 | 11989001 | 11994000 | 3.50E-05 |
| chr5 | 12043001 | 12048000 | 1.66E-09 |
| chr5 | 12044001 | 12049000 | 7.08E-08 |
| chr5 | 12068001 | 12073000 | 4.78E-09 |
| chr5 | 12069001 | 12074000 | 4.26E-05 |
| chr5 | 12147001 | 12152000 | 0.000123596 |
| chr5 | 12148001 | 12153000 | 1.72E-05 |
| chr5 | 12948001 | 12953000 | 6.01E-07 |
| chr5 | 12949001 | 12954000 | 4.03E-06 |
| chr5 | 12950001 | 12955000 | 1.35E-06 |
| chr5 | 12980001 | 12985000 | 7.38E-08 |
| chr5 | 12982001 | 12987000 | 2.84E-06 |
| chr5 | 12983001 | 12988000 | 1.41E-06 |
| chr5 | 12984001 | 12989000 | 7.18E-07 |
| chr5 | 13095001 | 13100000 | 0.005743906 |
| chr5 | 13143001 | 13148000 | 1.64E-05 |
| chr5 | 13169001 | 13174000 | 6.46E-05 |
| chr5 | 13512001 | 13517000 | 0.00043192 |
| chr5 | 13513001 | 13518000 | 5.01E-05 |
| chr5 | 13526001 | 13531000 | 6.33E-06 |
| chr5 | 13550001 | 13555000 | 5.04E-06 |
| chr5 | 13551001 | 13556000 | 2.12E-06 |
| chr5 | 13565001 | 13570000 | 3.08E-05 |
| chr5 | 13798001 | 13803000 | 8.54E-05 |
| chr5 | 14625001 | 14630000 | 5.88E-07 |
| chr5 | 15319001 | 15324000 | 0.020197105 |
| chr5 | 15940001 | 15945000 | 5.55E-05 |
| chr5 | 17278001 | 17283000 | 1.57E-09 |
| chr5 | 17279001 | 17284000 | 5.89E-10 |
| chr5 | 17281001 | 17286000 | 4.22E-08 |
| chr5 | 17760001 | 17765000 | 0.000313084 |
| chr5 | 17761001 | 17766000 | 4.59E-05 |
| chr5 | 17830001 | 17835000 | 0.002090479 |
| chr5 | 17831001 | 17836000 | 1.53E-05 |
| chr5 | 18003001 | 18008000 | 1.34E-06 |
| chr5 | 18178001 | 18183000 | 0.001154908 |
|------|---------|---------|-------------|
| chr5 | 18200001 | 18205000 | 4.06E-10    |
| chr5 | 18411001 | 18416000 | 0.001254115 |
| chr5 | 18482001 | 18487000 | 0.002146555 |
| chr5 | 18499001 | 18504000 | 0.004364052 |
| chr5 | 18778001 | 18783000 | 0.000152817 |
| chr5 | 18808001 | 18813000 | 0.000363254 |
| chr5 | 18872001 | 18877000 | 4.47E-07    |
| chr5 | 18874001 | 18879000 | 8.63E-08    |
| chr5 | 18932001 | 18937000 | 6.97E-06    |
| chr5 | 18950001 | 18955000 | 4.94E-05    |
| chr5 | 18951001 | 18956000 | 8.21E-05    |
| chr5 | 19084001 | 19089000 | 0.000298923 |
| chr5 | 19131001 | 19136000 | 9.42E-06    |
| chr5 | 19167001 | 19172000 | 0.004690708 |
| chr5 | 19380001 | 19385000 | 9.55E-06    |
| chr5 | 19520001 | 19525000 | 7.67E-11    |
| chr5 | 19550001 | 19555000 | 0.000382068 |
| chr5 | 19602001 | 19607000 | 0.013065511 |
| chr5 | 19740001 | 19745000 | 7.84E-05    |
| chr5 | 19845001 | 19850000 | 0.000894288 |
| chr5 | 19997001 | 20002000 | 2.80E-06    |
| chr5 | 19998001 | 20003000 | 1.24E-05    |
| chr5 | 20185001 | 20190000 | 1.47E-05    |
| chr5 | 20500001 | 20505000 | 8.86E-08    |
| chr5 | 20501001 | 20506000 | 2.60E-07    |
| chr5 | 20551001 | 20556000 | 9.05E-05    |
| chr5 | 20552001 | 20557000 | 2.60E-05    |
| chr5 | 20564001 | 20569000 | 0.000732699 |
| chr5 | 20604001 | 20609000 | 0.00142328  |
| chr5 | 20606001 | 20611000 | 0.00036534  |
| chr5 | 20664001 | 20669000 | 0.014856995 |
| chr5 | 20758001 | 20763000 | 2.61E-08    |
| chr5 | 20771001 | 20776000 | 0.001107214 |
| chr5 | 21016001 | 21021000 | 1.95E-06    |
| chr5 | 21371001 | 21376000 | 1.17E-05    |
| chr5 | 21745001 | 21750000 | 2.68E-14    |
| chr5 | 22047001 | 22052000 | 0.000397842 |
| chr5 | 22048001 | 22053000 | 0.000282587 |
| chr5 | 22054001 | 22059000 | 6.28E-06    |
| chr5 | 22055001 | 22060000 | 1.90E-05    |
| chr5 | 22056001 | 22061000 | 2.89E-06    |
| chr5 | 22269001 | 22274000 | 0.000192369 |
| chr5 | 22270001 | 22275000 | 0.000317812 |
| chr5 | 22271001 | 22276000 | 0.000215402 |
| chr5 | 22272001 | 22277000 | 2.83E-05    |
| chr5 | 22317001 | 22322000 | 0.000145493 |
| chr5 | 22332001 | 22337000 | 6.02E-08    |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr5       | 22339001       | 22340000     | 0.000619175 |
| chr5       | 22390001       | 22395000     | 3.83E-07    |
| chr5       | 22480001       | 22485000     | 0.003719325 |
| chr5       | 22481001       | 22486000     | 0.003103615 |
| chr5       | 22482001       | 22487000     | 8.69E-06    |
| chr5       | 22592001       | 22597000     | 5.07E-06    |
| chr5       | 23327001       | 23332000     | 6.61E-05    |
| chr5       | 23344001       | 23349000     | 0.00092485  |
| chr5       | 23358001       | 23363000     | 1.42E-06    |
| chr5       | 23396001       | 23401000     | 1.45E-07    |
| chr5       | 23405001       | 23410000     | 0.00355442  |
| chr5       | 23406001       | 23411000     | 0.00116383  |
| chr5       | 23717001       | 23722000     | 6.90E-05    |
| chr5       | 23718001       | 23723000     | 2.72E-05    |
| chr5       | 23838001       | 23843000     | 0.001136638 |
| chr5       | 23839001       | 23844000     | 0.001275021 |
| chr5       | 23842001       | 23847000     | 0.011770506 |
| chr5       | 23843001       | 23848000     | 1.60E-09    |
| chr5       | 23844001       | 23849000     | 5.56E-09    |
| chr5       | 23845001       | 23850000     | 1.30E-08    |
| chr5       | 23846001       | 23851000     | 4.11E-08    |
| chr5       | 23920001       | 23925000     | 6.00E-06    |
| chr5       | 24056001       | 24061000     | 2.80E-05    |
| chr5       | 24057001       | 24062000     | 3.61E-06    |
| chr5       | 24063001       | 24068000     | 0.002673505 |
| chr5       | 24131001       | 24136000     | 0.000222544 |
| chr5       | 24132001       | 24137000     | 0.00016855  |
| chr5       | 24133001       | 24138000     | 2.58E-05    |
| chr5       | 24134001       | 24139000     | 1.34E-05    |
| chr5       | 24295001       | 24300000     | 2.84E-08    |
| chr5       | 24296001       | 24301000     | 1.17E-08    |
| chr5       | 24297001       | 24302000     | 5.85E-06    |
| chr5       | 24298001       | 24303000     | 2.00E-06    |
| chr5       | 24328001       | 24333000     | 5.21E-05    |
| chr5       | 24381001       | 24386000     | 0.001548806 |
| chr5       | 24466001       | 24471000     | 3.06E-08    |
| chr5       | 24481001       | 24486000     | 0.000427144 |
| chr5       | 24544001       | 24549000     | 0.005285217 |
| chr5       | 24545001       | 24550000     | 1.54E-06    |
| chr5       | 24546001       | 24551000     | 3.86E-05    |
| chr5       | 24552001       | 24557000     | 0.000289422 |
| chr5       | 24557001       | 24562000     | 0.016084024 |
| chr5       | 24558001       | 24563000     | 0.017438122 |
| chr5       | 24559001       | 24564000     | 0.029949748 |
| chr5       | 24573001       | 24578000     | 3.98E-11    |
| chr5       | 24594001       | 24599000     | 0.00257095  |
| chr5       | 24645001       | 24650000     | 6.78E-15    |
| chr5       | 24724001       | 24729000     | 1.25E-07    |
| chr5 | Start  | End    | P-value  |
|------|--------|--------|----------|
|      | 24725001 | 24730000 | 8.68E-11   |
|      | 24742001 | 24747000 | 9.34E-08   |
|      | 24970000 | 24975000 | 6.12E-06   |
|      | 24971000 | 24976000 | 1.97E-06   |
|      | 24972000 | 24977000 | 8.26E-06   |
|      | 24973000 | 24978000 | 1.85E-05   |
|      | 25036001 | 25041000 | 8.00E-09   |
|      | 25037000 | 25042000 | 5.56E-09   |
|      | 25147000 | 25152000 | 0.000278465|
|      | 25148000 | 25153000 | 0.003709972|
|      | 25294000 | 25299000 | 0.000212923|
|      | 25295000 | 25300000 | 2.09E-07   |
|      | 25339000 | 25344000 | 0.00105395 |
|      | 25340000 | 25345000 | 5.59E-06   |
|      | 25431000 | 25436000 | 4.43E-07   |
|      | 25432000 | 25437000 | 2.56E-07   |
|      | 25441000 | 25446000 | 6.51E-06   |
|      | 25442000 | 25447000 | 1.55E-05   |
|      | 25588000 | 25593000 | 2.80E-07   |
|      | 25589000 | 25594000 | 4.18E-06   |
|      | 25685000 | 25690000 | 0.014839999|
|      | 25747000 | 25752000 | 0.000268407|
|      | 25761000 | 25766000 | 1.06E-05   |
|      | 25762000 | 25767000 | 0.000500818|
|      | 25948000 | 25953000 | 0.004815545|
|      | 25949000 | 25954000 | 0.006894159|
|      | 26019000 | 26024000 | 0.004122522|
|      | 26077000 | 26082000 | 1.58E-06   |
|      | 26278000 | 26283000 | 1.07E-08   |
|      | 26280000 | 26285000 | 1.02E-05   |
|      | 26351000 | 26356000 | 5.58E-06   |
|      | 26352000 | 26357000 | 7.91E-06   |
|      | 26353000 | 26358000 | 8.04E-05   |
|      | 26420000 | 26425000 | 0.009956939|
|      | 26557000 | 26562000 | 0.011266333|
|      | 26596000 | 26601000 | 4.20E-05   |
|      | 26597000 | 26602000 | 0.000198131|
|      | 26616000 | 26621000 | 2.55E-06   |
|      | 26617000 | 26622000 | 1.68E-06   |
|      | 26619000 | 26624000 | 0.007251056|
|      | 26729000 | 26734000 | 8.28E-05   |
|      | 26940000 | 26945000 | 0.004938936|
|      | 26994000 | 26999000 | 0.001123152|
|      | 26996000 | 27001000 | 0.000474874|
|      | 26997000 | 27002000 | 1.99E-05   |
|      | 26998000 | 27003000 | 5.31E-06   |
|      | 27001000 | 27006000 | 0.000195542|
| Chromosome | Start Base | End Base | P-value |
|------------|------------|----------|---------|
| chr5       | 27002001   | 27007000 | 0.000337405 |
| chr5       | 27003001   | 27008000 | 0.001105758 |
| chr5       | 27004001   | 27009000 | 0.000994159 |
| chr5       | 27005001   | 27010000 | 0.000412949 |
| chr5       | 27179001   | 27184000 | 0.004062695 |
| chr5       | 27180001   | 27185000 | 0.000248396 |
| chr5       | 27181001   | 27186000 | 0.001327   |
| chr5       | 27182001   | 27187000 | 0.003152519 |
| chr5       | 27183001   | 27188000 | 0.006958226 |
| chr5       | 27244001   | 27249000 | 2.38E-08   |
| chr5       | 27245001   | 27250000 | 0.000223225 |
| chr5       | 27278001   | 27283000 | 3.23E-11   |
| chr5       | 27279001   | 27284000 | 6.33E-12   |
| chr5       | 27280001   | 27285000 | 3.26E-11   |
| chr5       | 27281001   | 27286000 | 2.96E-10   |
| chr5       | 27282001   | 27287000 | 4.08E-09   |
| chr5       | 27336001   | 27341000 | 0.02501258 |
| chr5       | 27337001   | 27342000 | 0.01862061 |
| chr5       | 27338001   | 27343000 | 0.012967121 |
| chr5       | 27484001   | 27489000 | 7.28E-05   |
| chr5       | 27485001   | 27490000 | 0.000114027 |
| chr5       | 27486001   | 27491000 | 0.000178772 |
| chr5       | 27504001   | 27509000 | 1.02E-07   |
| chr5       | 27557001   | 27562000 | 0.001804202 |
| chr5       | 27718001   | 27723000 | 0.000438749 |
| chr5       | 27759001   | 27764000 | 7.93E-09   |
| chr5       | 27903001   | 27908000 | 2.71E-05   |
| chr5       | 28010001   | 28015000 | 7.27E-08   |
| chr5       | 28011001   | 28016000 | 2.40E-08   |
| chr5       | 28034001   | 28039000 | 0.00822693 |
| chr5       | 28137001   | 28142000 | 1.02E-05   |
| chr5       | 28234001   | 28239000 | 0.003287053 |
| chr5       | 28235001   | 28240000 | 0.002115738 |
| chr5       | 28824001   | 28829000 | 0.038975135 |
| chr5       | 28970001   | 28975000 | 1.55E-05   |
| chr5       | 28971001   | 28976000 | 1.02E-07   |
| chr5       | 29151001   | 29156000 | 0.026629074 |
| chr5       | 29301001   | 29306000 | 1.91E-12   |
| chr5       | 29302001   | 29307000 | 9.49E-10   |
| chr5       | 29303001   | 29308000 | 1.74E-10   |
| chr5       | 29304001   | 29309000 | 3.79E-12   |
| chr5       | 29305001   | 29310000 | 6.46E-11   |
| chr5       | 29639001   | 29644000 | 2.05E-05   |
| chr5       | 29655001   | 29660000 | 0.00028005 |
| chr5       | 29692001   | 29697000 | 1.42E-05   |
| chr5       | 29742001   | 29747000 | 0.004649797 |
| chr5       | 29978001   | 29983000 | 1.23E-06   |
| chr5       | 29979001   | 29984000 | 2.28E-06   |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr5       | 29980001       | 29985000     | 0.000128096 |
| chr5       | 29981001       | 29986000     | 3.03E-06 |
| chr5       | 30045001       | 30050000     | 8.10E-06 |
| chr5       | 30081001       | 30086000     | 5.33E-05 |
| chr5       | 30083001       | 30088000     | 2.57E-05 |
| chr5       | 30289001       | 30294000     | 0.005754812 |
| chr5       | 30326001       | 30331000     | 3.03E-06 |
| chr5       | 30327001       | 30332000     | 0.013401886 |
| chr5       | 30460001       | 30465000     | 0.017943392 |
| chr5       | 30550001       | 30555000     | 0.003440173 |
| chr5       | 30551001       | 30556000     | 0.003403863 |
| chr5       | 30590001       | 30595000     | 2.92E-05 |
| chr5       | 30600001       | 30605000     | 0.0105875 |
| chr5       | 30601001       | 30606000     | 0.00287849 |
| chr5       | 30725001       | 30730000     | 0.00785779 |
| chr5       | 30726001       | 30731000     | 0.00295085 |
| chr5       | 30727001       | 30732000     | 0.00363864 |
| chr5       | 30728001       | 30733000     | 0.01280201 |
| chr5       | 30730001       | 30735000     | 0.00793914 |
| chr5       | 30789001       | 30794000     | 1.14E-05 |
| chr5       | 30790001       | 30795000     | 0.00221062 |
| chr5       | 30791001       | 30796000     | 5.44E-07 |
| chr5       | 30792001       | 30797000     | 1.01E-05 |
| chr5       | 31268001       | 31273000     | 9.79E-13 |
| chr5       | 32175001       | 32180000     | 1.56E-13 |
| chr5       | 32529001       | 32534000     | 3.73E-09 |
| chr5       | 33061001       | 33066000     | 8.10E-09 |
| chr5       | 33062001       | 33067000     | 2.50E-09 |
| chr5       | 33063001       | 33068000     | 5.89E-08 |
| chr5       | 33064001       | 33069000     | 3.10E-07 |
| chr5       | 33132001       | 33137000     | 8.31E-05 |
| chr5       | 33181001       | 33186000     | 0.000815493 |
| chr5       | 33182001       | 33187000     | 9.05E-07 |
| chr5       | 33183001       | 33188000     | 1.14E-05 |
| chr5       | 33184001       | 33189000     | 2.80E-05 |
| chr5       | 33221001       | 33226000     | 1.21E-06 |
| chr5       | 33273001       | 33278000     | 0.003792778 |
| chr5       | 33280001       | 33285000     | 6.25E-08 |
| chr5       | 33287001       | 33292000     | 0.001852294 |
| chr5       | 33288001       | 33293000     | 0.002747156 |
| chr5       | 33296001       | 33301000     | 7.82E-12 |
| chr5       | 33336001       | 33341000     | 2.44E-06 |
| chr5       | 33397001       | 33402000     | 0.003823476 |
| chr5       | 33398001       | 33403000     | 0.005346054 |
| chr5       | 38659001       | 38664000     | 1.91E-17 |
| chr5       | 39437001       | 39442000     | 2.49E-05 |
| chr5       | 39547001       | 39552000     | 3.76E-06 |
| chr5       | 39577001       | 39582000     | 7.46E-05 |
| chr5 | 41345001 | 41350000 | 3.93E-06  |
|------|----------|----------|-----------|
| chr5 | 41542001 | 41547000 | 0.001305177 |
| chr5 | 42043001 | 42048000 | 3.12E-06  |
| chr5 | 42069001 | 42074000 | 4.92E-05  |
| chr5 | 42071001 | 42076000 | 3.15E-05  |
| chr5 | 43270001 | 43275000 | 1.27E-10  |
| chr5 | 43271001 | 43276000 | 8.62E-11  |
| chr5 | 43511001 | 43516000 | 2.41E-28  |
| chr5 | 44048001 | 44053000 | 0.009434229 |
| chr5 | 44098001 | 44103000 | 0.00073014 |
| chr5 | 44472001 | 44477000 | 0.00113183 |
| chr5 | 44794001 | 44799000 | 0.02654662 |
| chr5 | 44864001 | 44869000 | 1.88E-07  |
| chr5 | 44866001 | 44871000 | 5.21E-08  |
| chr5 | 44867001 | 44872000 | 4.64E-08  |
| chr5 | 44868001 | 44873000 | 2.11E-08  |
| chr5 | 44943001 | 44948000 | 0.007018923 |
| chr5 | 45301001 | 45306000 | 0.006820593 |
| chr5 | 45302001 | 45307000 | 0.006060608 |
| chr5 | 45527001 | 45532000 | 0.001198902 |
| chr5 | 45966001 | 45971000 | 0.000237854 |
| chr5 | 49447001 | 49452000 | 0.000606532 |
| chr5 | 49639001 | 49644000 | 0.002866642 |
| chr5 | 50408001 | 50413000 | 6.28E-11  |
| chr5 | 50409001 | 50414000 | 1.62E-10  |
| chr5 | 50568001 | 50573000 | 7.00E-05  |
| chr5 | 50569001 | 50574000 | 0.000304089 |
| chr5 | 50609001 | 50614000 | 0.000103396 |
| chr5 | 50704001 | 50709000 | 6.39E-06  |
| chr5 | 50713001 | 50718000 | 0.001508372 |
| chr5 | 50737001 | 50742000 | 2.36E-06  |
| chr5 | 50797001 | 50802000 | 0.000790245 |
| chr5 | 50798001 | 50803000 | 0.00031072  |
| chr5 | 50845001 | 50850000 | 0.00064236 |
| chr5 | 50846001 | 50851000 | 0.001756115 |
| chr5 | 50985001 | 50990000 | 0.000463137 |
| chr5 | 50987001 | 50992000 | 0.000900811 |
| chr5 | 50988001 | 50993000 | 0.000774636 |
| chr5 | 51039001 | 51044000 | 1.41E-05  |
| chr5 | 51040001 | 51045000 | 3.71E-06  |
| chr5 | 51041001 | 51046000 | 1.58E-06  |
| chr5 | 51042001 | 51047000 | 5.15E-09  |
| chr5 | 51340001 | 51345000 | 0.001170506 |
| chr5 | 51345001 | 51362000 | 0.005371035 |
| chr5 | 51358001 | 51363000 | 0.00029058 |
| chr5 | 51359001 | 51364000 | 0.014028727 |
| chr5 | 51430001 | 51435000 | 7.17E-07  |
| chr5 | 52821001 | 52826000 | 0.01170506 |
chr5  53646001  53651000  0.003993803
chr5  53647001  53652000  2.98E-06
chr5  53648001  53653000  6.76E-07
chr5  54490001  54495000  0.000655706
chr5  54492001  54497000  0.000201619
chr5  54872001  54877000  4.48E-09
chr5  54893001  54898000  2.73E-10
chr5  54894001  54899000  1.30E-08
chr5  56471001  56476000  2.12E-25
chr5  57152001  57157000  6.03E-11
chr5  57153001  57158000  6.52E-11
chr5  57196001  57201000  1.03E-05
chr5  57313001  57318000  0.002126102
chr5  57373001  57378000  3.86E-09
chr5  57450001  57455000  2.26E-05
chr5  57451001  57456000  5.96E-05
chr5  57478001  57483000  1.08E-08
chr5  57479001  57484000  1.55E-06
chr5  57480001  57485000  0.008710521
chr5  57631001  57636000  0.00041641
chr5  57632001  57637000  0.000212255
chr5  57704001  57709000  6.32E-07
chr5  57705001  57710000  1.90E-08
chr5  57706001  57711000  3.43E-08
chr5  57735001  57740000  0.000103264
chr5  57860001  57865000  1.57E-19
chr5  57911001  57916000  6.50E-07
chr5  57912001  57917000  4.31E-07
chr5  58100001  58105000  6.15E-08
chr5  58101001  58106000  3.60E-09
chr5  58302001  58307000  3.46E-05
chr5  58731001  58736000  7.39E-06
chr5  59513001  59518000  0.007864378
chr5  60504001  60509000  1.99E-05
chr5  60505001  60510000  4.03E-05
chr5  60574001  60579000  2.64E-07
chr5  63927001  63932000  2.48E-06
chr5  64550001  64555000  0.000437849
chr5  64551001  64556000  0.000337074
chr5  64777001  64782000  1.04E-21
chr5  64778001  64783000  1.13E-13
chr5  65224001  65229000  4.04E-15
chr5  66175001  66180000  1.53E-05
chr5  68344001  68349000  2.32E-05
chr5  70081001  70086000  0.000547276
chr5  70623001  70628000  4.78E-05
chr5  71539001  71544000  0.013393765
chr5  72009001  72014000  6.67E-05
| Chromosome | Start | End   | Score  |
|------------|-------|-------|--------|
| chr5       | 72525001 | 72530000 | 4.83E-19 |
| chr5       | 72727001 | 72732000 | 2.61E-09 |
| chr5       | 72728001 | 72733000 | 1.01E-18 |
| chr5       | 72837001 | 72842000 | 1.93E-06 |
| chr5       | 72957001 | 72962000 | 0.000660929 |
| chr5       | 72985001 | 72990000 | 2.62E-07 |
| chr5       | 73652001 | 73657000 | 0.006743605 |
| chr5       | 73653001 | 73658000 | 8.58E-06 |
| chr5       | 76278001 | 76283000 | 2.27E-06 |
| chr5       | 76519001 | 76524000 | 0.000207299 |
| chr5       | 81395001 | 81400000 | 2.08E-06 |
| chr5       | 82666001 | 82671000 | 0.001895176 |
| chr5       | 82667001 | 82672000 | 0.005223907 |
| chr5       | 82856001 | 82861000 | 3.59E-13 |
| chr5       | 82857001 | 82862000 | 2.20E-07 |
| chr5       | 82858001 | 82863000 | 1.18E-08 |
| chr5       | 82859001 | 82864000 | 1.47E-09 |
| chr5       | 82860001 | 82865000 | 6.98E-07 |
| chr5       | 82958001 | 82963000 | 0.000934995 |
| chr5       | 83010001 | 83015000 | 1.88E-06 |
| chr5       | 83806001 | 83811000 | 0.000120403 |
| chr5       | 83816001 | 83821000 | 0.00033303 |
| chr5       | 83974001 | 83979000 | 0.000132694 |
| chr5       | 83976001 | 83981000 | 0.002236857 |
| chr5       | 84040001 | 84045000 | 0.006114926 |
| chr5       | 84041001 | 84046000 | 0.0230251 |
| chr5       | 84042001 | 84047000 | 0.00960655 |
| chr5       | 84052001 | 84057000 | 6.02E-05 |
| chr5       | 84384001 | 84389000 | 0.000653902 |
| chr5       | 84385001 | 84390000 | 0.0003852 |
| chr5       | 84390001 | 84395000 | 9.36E-05 |
| chr5       | 84391001 | 84396000 | 5.28E-05 |
| chr5       | 84392001 | 84397000 | 1.36E-05 |
| chr5       | 84699001 | 84704000 | 0.003854813 |
| chr5       | 84700001 | 84705000 | 0.004618913 |
| chr5       | 84702001 | 84707000 | 0.001073223 |
| chr5       | 84706001 | 84711000 | 2.42E-07 |
| chr5       | 84886001 | 84891000 | 0.000198757 |
| chr5       | 84887001 | 84892000 | 0.000389341 |
| chr5       | 85479001 | 85484000 | 4.82E-05 |
| chr5       | 85480001 | 85485000 | 5.91E-05 |
| chr5       | 85598001 | 85603000 | 0.007030157 |
| chr5       | 85774001 | 85779000 | 0.004634286 |
| chr5       | 85775001 | 85780000 | 0.003067438 |
| chr5       | 85779001 | 85784000 | 0.004161713 |
| chr5       | 85823001 | 85828000 | 0.005196251 |
| chr5       | 86205001 | 86210000 | 9.34E-06 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr5       | 86260001       | 86265000     | 0.000872695 |
| chr5       | 86261001       | 86266000     | 0.000238434 |
| chr5       | 86304001       | 86309000     | 2.87E-08   |
| chr5       | 86305001       | 86310000     | 1.03E-08   |
| chr5       | 86308001       | 86313000     | 4.70E-07   |
| chr5       | 86309001       | 86314000     | 0.000341406 |
| chr5       | 86843001       | 86848000     | 1.62E-08   |
| chr5       | 86844001       | 86849000     | 2.57E-07   |
| chr5       | 86885001       | 86890000     | 7.37E-05   |
| chr5       | 87047001       | 87052000     | 0.000473051 |
| chr5       | 87048001       | 87053000     | 8.31E-08   |
| chr5       | 87814001       | 87819000     | 0.002650657 |
| chr5       | 87992001       | 87997000     | 0.005191598 |
| chr5       | 87993001       | 87998000     | 0.001488938 |
| chr5       | 88080001       | 88085000     | 4.38E-12   |
| chr5       | 88081001       | 88086000     | 4.25E-12   |
| chr5       | 88990001       | 88995000     | 0.002005808 |
| chr5       | 89564001       | 89569000     | 0.00320328 |
| chr5       | 89842001       | 89847000     | 8.87E-08   |
| chr5       | 89843001       | 89848000     | 1.95E-09   |
| chr5       | 89906001       | 89911000     | 0.0017595  |
| chr5       | 90168001       | 90173000     | 1.26E-07   |
| chr5       | 90171001       | 90176000     | 0.02661836 |
| chr5       | 90236001       | 90241000     | 0.002239769 |
| chr5       | 90936001       | 90941000     | 0.00017387 |
| chr5       | 91087001       | 91092000     | 0.000269416 |
| chr5       | 91371001       | 91376000     | 6.98E-06   |
| chr5       | 91587001       | 91592000     | 0.000160151 |
| chr5       | 91588001       | 91593000     | 5.84E-05   |
| chr5       | 91924001       | 91929000     | 5.33E-07   |
| chr5       | 91925001       | 91930000     | 3.96E-07   |
| chr5       | 91927001       | 91932000     | 3.20E-07   |
| chr5       | 92690001       | 92695000     | 1.09E-05   |
| chr5       | 92786001       | 92791000     | 0.004582242 |
| chr5       | 93710001       | 93715000     | 1.84E-14   |
| chr5       | 93711001       | 93716000     | 4.74E-14   |
| chr5       | 93712001       | 93717000     | 3.98E-07   |
| chr5       | 93755001       | 93760000     | 0.00108458 |
| chr5       | 94070001       | 94075000     | 6.56E-06   |
| chr5       | 94266001       | 94271000     | 0.021515694 |
| chr5       | 95061001       | 95066000     | 0.002185496 |
| chr5       | 96230001       | 96235000     | 0.00550108 |
| chr5       | 96232001       | 96237000     | 0.001094437 |
| chr5       | 96727001       | 96732000     | 0.002987322 |
| chr5       | 96728001       | 96733000     | 0.000969184 |
| chr5       | 97509001       | 97514000     | 0.002380474 |
| chr5       | 97755001       | 97760000     | 0.001046616 |
| chr5       | 97836001       | 97841000     | 2.29E-07   |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|-------------|---------|
| chr5       | 97837001       | 97842000    | 3.04E-08|
| chr5       | 97840001       | 97845000    | 9.10E-06|
| chr5       | 98031001       | 98036000    | 0.013456244|
| chr5       | 98212001       | 98217000    | 0.005726933|
| chr5       | 99314001       | 99319000    | 2.91E-08|
| chr5       | 100840001      | 100845000   | 0.000135913|
| chr5       | 101022001      | 101027000   | 0.000452596|
| chr5       | 101340001      | 101345000   | 0.00044908|
| chr5       | 101341001      | 101346000   | 0.000301963|
| chr5       | 101342001      | 101347000   | 0.000548013|
| chr5       | 101638001      | 101643000   | 3.73E-05|
| chr5       | 101639001      | 101644000   | 0.000128751|
| chr5       | 101935001      | 101940000   | 5.80E-05|
| chr5       | 102556001      | 102561000   | 1.08E-10|
| chr5       | 102557001      | 102562000   | 1.19E-11|
| chr5       | 102635001      | 102640000   | 5.43E-07|
| chr5       | 102636001      | 102641000   | 2.16E-07|
| chr5       | 102785001      | 102790000   | 8.38E-06|
| chr5       | 103313001      | 103318000   | 5.72E-07|
| chr5       | 103314001      | 103319000   | 2.98E-06|
| chr5       | 103315001      | 103320000   | 1.50E-05|
| chr5       | 103808001      | 103813000   | 5.06E-05|
| chr5       | 103809001      | 103814000   | 0.000128666|
| chr5       | 103811001      | 103816000   | 0.000545116|
| chr5       | 104201001      | 104206000   | 0.000573592|
| chr5       | 104202001      | 104207000   | 0.001592621|
| chr5       | 104417001      | 104422000   | 0.000565855|
| chr5       | 104418001      | 104423000   | 3.80E-05|
| chr5       | 104419001      | 104424000   | 3.54E-06|
| chr5       | 104485001      | 104490000   | 0.000147205|
| chr5       | 104595001      | 104600000   | 0.00712255|
| chr5       | 104596001      | 104601000   | 9.07E-06|
| chr5       | 104597001      | 104602000   | 1.30E-05|
| chr5       | 104656001      | 104661000   | 6.71E-06|
| chr5       | 105130001      | 105135000   | 5.17E-06|
| chr5       | 105131001      | 105136000   | 1.85E-05|
| chr5       | 105252001      | 105257000   | 5.63E-06|
| chr5       | 105253001      | 105258000   | 3.64E-08|
| chr5       | 105448001      | 105453000   | 0.000207085|
| chr5       | 105689001      | 105694000   | 3.18E-05|
| chr5       | 105690001      | 105695000   | 1.69E-06|
| chr5       | 105711001      | 105716000   | 0.000255194|
| chr5       | 105712001      | 105717000   | 0.0006526549|
| chr5       | 105837001      | 105842000   | 0.001706662|
| chr5       | 105854001      | 105859000   | 9.94E-05|
| chr5       | 105855001      | 105860000   | 6.35E-05|
| chr5       | 106006001      | 106011000   | 0.001545141|
| chr5       | 106058001      | 106063000   | 1.52E-05|
| Chromosome | Start | Stop  | p-value   |
|------------|-------|-------|-----------|
| chr5       | 106059001 | 106064000 | 6.34E-06  |
| chr5       | 106148001 | 106153000 | 0.005506012 |
| chr5       | 106400001 | 106405000 | 4.67E-05  |
| chr5       | 106516001 | 106521000 | 9.88E-05  |
| chr5       | 106808001 | 106813000 | 5.27E-05  |
| chr5       | 106809001 | 106814000 | 5.59E-06  |
| chr5       | 107181001 | 107186000 | 2.06E-05  |
| chr5       | 108539001 | 108544000 | 8.13E-05  |
| chr5       | 108850001 | 108855000 | 6.53E-05  |
| chr5       | 109241001 | 109246000 | 0.000154616 |
| chr5       | 109602001 | 109607000 | 3.24E-08  |
| chr5       | 110193001 | 110198000 | 0.001045341 |
| chr5       | 111029001 | 111034000 | 0.001804718 |
| chr5       | 111030001 | 111035000 | 0.000204827 |
| chr5       | 111154001 | 111159000 | 0.000405162 |
| chr5       | 111155001 | 111160000 | 2.00E-05  |
| chr5       | 112289001 | 112294000 | 1.50E-05  |
| chr5       | 112290001 | 112295000 | 3.01E-10  |
| chr5       | 113119001 | 113124000 | 7.25E-09  |
| chr5       | 113120001 | 113125000 | 2.02E-07  |
| chr5       | 114796001 | 114801000 | 1.55E-05  |
| chr5       | 115050001 | 115055000 | 0.002379349 |
| chr5       | 115051001 | 115056000 | 5.96E-05  |
| chr5       | 115470001 | 115475000 | 4.54E-08  |
| chr5       | 117115001 | 117120000 | 0.000184123 |
| chr5       | 117169001 | 117174000 | 8.87E-06  |
| chr5       | 117710001 | 117715000 | 0.0001271 |
| chr5       | 117745001 | 117750000 | 4.24E-06  |
| chr5       | 118357001 | 118362000 | 0.000139663 |
| chr5       | 118358001 | 118363000 | 0.000241896 |
| chr5       | 119228001 | 119233000 | 3.67E-05  |
| chr5       | 119229001 | 119234000 | 3.66E-05  |
| chr5       | 119230001 | 119235000 | 5.79E-05  |
| chr5       | 119424001 | 119429000 | 5.17E-05  |
| chr5       | 119549001 | 119554000 | 6.91E-05  |
| chr5       | 119550001 | 119555000 | 0.000305589 |
| chr5       | 119551001 | 119556000 | 0.000650448 |
| chr5       | 119627001 | 119632000 | 9.14E-05  |
| chr5       | 119628001 | 119633000 | 1.05E-05  |
| chr5       | 119706001 | 119711000 | 0.005834634 |
| chr5       | 119726001 | 119731000 | 0.000981938 |
| chr5       | 119751001 | 119756000 | 2.62E-05  |
| chr5       | 119973001 | 119978000 | 0.001226238 |
| chr5       | 119974001 | 119979000 | 0.000257739 |
| chr5       | 120045001 | 120050000 | 0.001182472 |
| chr5       | 120138001 | 120143000 | 0.016262338 |
| chr5       | 120598001 | 120603000 | 1.95E-11  |
| chr5       | 120599001 | 120604000 | 1.87E-10  |
|       |       |       |       |
|-------|-------|-------|-------|
| chr5  | 120600001 | 120605000 | 4.79E-09 |
| chr5  | 120601001 | 120606000 | 0.000866633 |
| chr5  | 120666001 | 120671000 | 1.18E-05 |
| chr5  | 120667001 | 120672000 | 3.86E-05 |
| chr5  | 120668001 | 120673000 | 0.000229815 |
| chr5  | 120669001 | 120674000 | 0.000465433 |
| chr5  | 120738001 | 120743000 | 2.21E-07 |
| chr5  | 120739001 | 120744000 | 0.000297592 |
| chr5  | 121003001 | 121008000 | 4.48E-06 |
| chr5  | 121078001 | 121083000 | 5.94E-08 |
| chr5  | 121203001 | 121208000 | 0.001253222 |
| chr5  | 121475001 | 121480000 | 0.000163713 |
| chr5  | 121651001 | 121656000 | 6.15E-07 |
| chr5  | 121652001 | 121657000 | 7.36E-07 |
| chr5  | 122043001 | 122048000 | 0.000132377 |
| chr5  | 122453001 | 122458000 | 4.24E-07 |
| chr5  | 123676001 | 123681000 | 0.000813664 |
| chr5  | 124431001 | 124436000 | 0.000210674 |
| chr5  | 126596001 | 126601000 | 0.000431073 |
| chr5  | 126597001 | 126602000 | 0.001125822 |
| chr5  | 126895001 | 126900000 | 0.000206747 |
| chr5  | 127421001 | 127426000 | 8.64E-07 |
| chr5  | 128732001 | 128737000 | 0.000169254 |
| chr5  | 130445001 | 130450000 | 8.66E-07 |
| chr5  | 130613001 | 130618000 | 3.40E-06 |
| chr5  | 131090001 | 131095000 | 5.05E-06 |
| chr5  | 131091001 | 131096000 | 5.13E-05 |
| chr5  | 131092001 | 131097000 | 0.012560852 |
| chr5  | 131399001 | 131404000 | 4.34E-05 |
| chr5  | 131527001 | 131532000 | 0.000334835 |
| chr5  | 133430001 | 133435000 | 0.000819539 |
| chr5  | 133555001 | 133560000 | 1.47E-09 |
| chr5  | 133773001 | 133778000 | 0.001669219 |
| chr5  | 134095001 | 134100000 | 4.40E-20 |
| chr5  | 134394001 | 134399000 | 2.64E-05 |
| chr5  | 134396001 | 134401000 | 0.002383077 |
| chr5  | 134563001 | 134568000 | 0.002911788 |
| chr5  | 135610001 | 135615000 | 4.29E-07 |
| chr5  | 136202001 | 136207000 | 0.001056852 |
| chr5  | 136203001 | 136208000 | 0.002108417 |
| chr5  | 137442001 | 137447000 | 8.90E-07 |
| chr5  | 137443001 | 137448000 | 1.63E-08 |
| chr5  | 137444001 | 137449000 | 1.78E-07 |
| chr5  | 137447001 | 137452000 | 9.20E-09 |
| chr5  | 137599001 | 137604000 | 1.07E-05 |
| chr5  | 137600001 | 137605000 | 5.92E-05 |
| chr5  | 137601001 | 137606000 | 1.91E-05 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr5       | 138482001      | 138487000    | 6.47E-07|
| chr5       | 138632001      | 138637000    | 1.19E-07|
| chr5       | 138633001      | 138638000    | 3.58E-11|
| chr5       | 138634001      | 138639000    | 1.08E-09|
| chr5       | 1388510001     | 138856000    | 5.52E-11|
| chr5       | 138852001      | 138857000    | 4.78E-11|
| chr5       | 138853001      | 138858000    | 1.55E-13|
| chr5       | 138854001      | 138859000    | 2.19E-11|
| chr5       | 138855001      | 138860000    | 2.37E-08|
| chr5       | 138943001      | 138948000    | 5.51E-23|
| chr5       | 139043001      | 139048000    | 2.06E-16|
| chr5       | 139556001      | 139561000    | 6.83E-06|
| chr5       | 140231001      | 140236000    | 1.34E-05|
| chr5       | 140257001      | 140262000    | 2.84E-13|
| chr5       | 140361001      | 140366000    | 3.28E-09|
| chr5       | 140362001      | 140367000    | 1.87E-11|
| chr5       | 140363001      | 140368000    | 1.46E-12|
| chr5       | 140364001      | 140369000    | 7.95E-10|
| chr5       | 140365001      | 140370000    | 3.13E-09|
| chr5       | 141100001      | 141105000    | 0.01333439|
| chr5       | 141217001      | 141222000    | 9.97E-05|
| chr5       | 141218001      | 141223000    | 2.20E-06|
| chr5       | 141219001      | 141224000    | 0.00035453|
| chr5       | 141696001      | 141701000    | 2.35E-07|
| chr5       | 141697001      | 141702000    | 8.15E-11|
| chr5       | 142078001      | 142083000    | 0.000352999|
| chr5       | 143047001      | 143052000    | 0.000132425|
| chr5       | 143048001      | 143053000    | 0.000676125|
| chr5       | 143328001      | 143333000    | 0.018632489|
| chr5       | 143349001      | 143354000    | 2.51E-08|
| chr5       | 143414001      | 143419000    | 0.000467941|
| chr5       | 143454001      | 143459000    | 8.57E-06|
| chr5       | 143455001      | 143460000    | 1.43E-05|
| chr5       | 143524001      | 143529000    | 0.00212764|
| chr5       | 143641001      | 143646000    | 0.004965002|
| chr5       | 143807001      | 143812000    | 0.010385873|
| chr5       | 143828001      | 143833000    | 0.000600505|
| chr5       | 143829001      | 143834000    | 0.001767282|
| chr5       | 143917001      | 143922000    | 0.000119498|
| chr5       | 143918001      | 143923000    | 1.41E-06|
| chr5       | 143919001      | 143924000    | 1.14E-07|
| chr5       | 143920001      | 143925000    | 2.40E-08|
| chr5       | 143922001      | 143927000    | 4.33E-10|
| chr5       | 143957001      | 143962000    | 1.60E-07|
| chr5       | 143979001      | 143984000    | 2.12E-08|
| chr5       | 143981001      | 143986000    | 0.001011927|
| chr5       | 144494001      | 144499000    | 0.000284535|
| chr5       | 144701001      | 144706000    | 0.00061896|
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chr5       | 145156001      | 145161000    | 1.76E-06 |
| chr5       | 145578001      | 145583000    | 4.36E-13 |
| chr5       | 145593001      | 145598000    | 1.24E-12 |
| chr5       | 145922001      | 145927000    | 8.87E-07 |
| chr5       | 145923001      | 145928000    | 3.60E-07 |
| chr5       | 145924001      | 145929000    | 2.54E-06 |
| chr5       | 145925001      | 145930000    | 8.83E-05 |
| chr5       | 145926001      | 145931000    | 2.33E-06 |
| chr5       | 146150001      | 146155000    | 0.001742117 |
| chr5       | 147236001      | 147241000    | 0.009578394 |
| chr5       | 147470001      | 147475000    | 0.000599973 |
| chr5       | 147522001      | 147527000    | 2.19E-05 |
| chr5       | 147523001      | 147528000    | 3.37E-06 |
| chr5       | 147524001      | 147529000    | 9.09E-07 |
| chr5       | 147525001      | 147530000    | 1.36E-05 |
| chr5       | 147526001      | 147531000    | 1.57E-06 |
| chr5       | 147838001      | 147843000    | 6.78E-05 |
| chr5       | 148110001      | 148116000    | 3.22E-09 |
| chr5       | 148112001      | 148117000    | 3.98E-10 |
| chr5       | 148113001      | 148118000    | 2.49E-10 |
| chr5       | 148869001      | 148874000    | 7.42E-10 |
| chr5       | 148925001      | 148930000    | 3.80E-18 |
| chr5       | 149497001      | 149502000    | 1.73E-08 |
| chr5       | 149498001      | 149503000    | 6.13E-09 |
| chr5       | 149842001      | 149847000    | 8.05E-05 |
| chr5       | 150081001      | 150086000    | 4.76E-16 |
| chr5       | 151671001      | 151676000    | 0.025055084 |
| chr5       | 152229001      | 152234000    | 0.006677255 |
| chr5       | 152231001      | 152236000    | 0.000226909 |
| chr5       | 152234001      | 152239000    | 8.31E-05 |
| chr5       | 152600001      | 152605000    | 2.36E-06 |
| chr5       | 152601001      | 152606000    | 3.80E-07 |
| chr5       | 152602001      | 152607000    | 2.85E-06 |
| chr5       | 152603001      | 152608000    | 4.58E-08 |
| chr5       | 152769001      | 152774000    | 6.73E-06 |
| chr5       | 152770001      | 152775000    | 5.89E-06 |
| chr5       | 152771001      | 152776000    | 1.08E-07 |
| chr5       | 152772001      | 152777000    | 2.83E-06 |
| chr5       | 153072001      | 153077000    | 5.93E-07 |
| chr5       | 154041001      | 154046000    | 0.000622293 |
| chr5       | 154376001      | 154381000    | 3.43E-05 |
| chr5       | 155064001      | 155069000    | 0.000445079 |
| chr5       | 155443001      | 155448000    | 0.000106343 |
| chr5       | 155476001      | 155481000    | 3.17E-05 |
| chr5       | 155735001      | 155740000    | 0.000489618 |
| chr5       | 155796001      | 155801000    | 0.001978678 |
| chr5       | 155808001      | 155813000    | 1.92E-05 |
| chr5       | 155809001      | 155814000    | 1.64E-05 |
| Chr  | Start   | End     | FDR     |
|------|---------|---------|---------|
| chr5 | 155810001 | 155815000 | 1.18E-07 |
| chr5 | 155843001 | 155848000 | 0.000234352 |
| chr5 | 156065001 | 156070000 | 2.53E-05 |
| chr5 | 156066001 | 156071000 | 3.90E-07 |
| chr5 | 156067001 | 156072000 | 1.55E-07 |
| chr5 | 156068001 | 156073000 | 6.50E-07 |
| chr5 | 156076001 | 156081000 | 0.000402328 |
| chr5 | 156104001 | 156109000 | 1.70E-07 |
| chr5 | 156105001 | 156110000 | 1.54E-09 |
| chr5 | 156106001 | 156111000 | 1.66E-10 |
| chr5 | 156107001 | 156112000 | 3.86E-13 |
| chr5 | 156108001 | 156113000 | 1.08E-10 |
| chr5 | 156117001 | 156122000 | 7.34E-05 |
| chr5 | 156118001 | 156123000 | 0.01190753 |
| chr5 | 156119001 | 156124000 | 0.000529913 |
| chr5 | 156120001 | 156125000 | 6.85E-06 |
| chr5 | 156121001 | 156126000 | 0.000435996 |
| chr5 | 156123001 | 156128000 | 0.000272059 |
| chr5 | 156165001 | 156170000 | 2.89E-09 |
| chr5 | 156166001 | 156171000 | 2.89E-09 |
| chr5 | 157341001 | 157346000 | 7.21E-08 |
| chr5 | 158521001 | 158526000 | 4.30E-10 |
| chr5 | 158762001 | 158767000 | 7.11E-05 |
| chr5 | 159572001 | 159577000 | 1.56E-05 |
| chr5 | 159611001 | 159616000 | 3.80E-06 |
| chr5 | 161419001 | 161424000 | 0.00164089 |
| chr5 | 161520001 | 161525000 | 8.24E-08 |
| chr5 | 161521001 | 161526000 | 7.68E-06 |
| chr5 | 161522001 | 161527000 | 5.09E-05 |
| chr5 | 161523001 | 161528000 | 4.40E-05 |
| chr5 | 162108001 | 162113000 | 2.42E-09 |
| chr5 | 163062001 | 163067000 | 0.00013632 |
| chr5 | 163193001 | 163198000 | 8.96E-09 |
| chr5 | 163477001 | 163482000 | 0.000128506 |
| chr5 | 163518001 | 163523000 | 0.000578747 |
| chr5 | 163562001 | 163567000 | 5.33E-06 |
| chr5 | 163580001 | 163585000 | 0.00120422 |
| chr5 | 163627001 | 163632000 | 0.000209788 |
| chr5 | 163734001 | 163739000 | 1.37E-05 |
| chr5 | 163736001 | 163741000 | 0.000302698 |
| chr5 | 164038001 | 164043000 | 0.000140624 |
| chr5 | 164039001 | 164044000 | 5.18E-05 |
| chr5 | 164040001 | 164045000 | 1.25E-05 |
| chr5 | 164041001 | 164046000 | 4.96E-05 |
| chr5 | 164063001 | 164068000 | 1.36E-05 |
| chr5 | 164064001 | 164069000 | 6.43E-05 |
| chr5 | 164127001 | 164132000 | 0.000236411 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr5       | 164167001      | 164172000    | 0.01535821 |
| chr5       | 164200001      | 164205000    | 1.52E-07  |
| chr5       | 164201001      | 164206000    | 6.00E-10  |
| chr5       | 164202001      | 164207000    | 1.32E-15  |
| chr5       | 164203001      | 164208000    | 1.64E-14  |
| chr5       | 164204001      | 164209000    | 4.98E-18  |
| chr5       | 164205001      | 164210000    | 2.69E-08  |
| chr5       | 164206001      | 164211000    | 4.96E-08  |
| chr5       | 164303001      | 164308000    | 3.83E-05  |
| chr5       | 164388001      | 164393000    | 0.000350442 |
| chr5       | 164445001      | 164450000    | 1.89E-05  |
| chr5       | 164446001      | 164451000    | 5.04E-05  |
| chr5       | 164485001      | 164490000    | 4.12E-06  |
| chr5       | 164486001      | 164491000    | 2.28E-06  |
| chr5       | 164487001      | 164492000    | 4.96E-05  |
| chr5       | 165337001      | 165342000    | 8.17E-05  |
| chr5       | 165601001      | 165606000    | 0.00068244 |
| chr5       | 165602001      | 165607000    | 0.00070663 |
| chr5       | 165603001      | 165608000    | 0.001305958 |
| chr5       | 165604001      | 165609000    | 0.002078273 |
| chr5       | 165611001      | 165616000    | 6.62E-05  |
| chr5       | 165615001      | 165620000    | 4.63E-07  |
| chr5       | 165688001      | 165693000    | 2.41E-07  |
| chr5       | 165689001      | 165694000    | 1.97E-09  |
| chr5       | 165690001      | 165695000    | 5.26E-07  |
| chr5       | 165953001      | 165958000    | 1.73E-06  |
| chr5       | 166171001      | 166176000    | 7.05E-06  |
| chr5       | 166866001      | 166871000    | 5.55E-06  |
| chr5       | 167112001      | 167117000    | 3.60E-10  |
| chr5       | 167113001      | 167118000    | 8.51E-09  |
| chr5       | 167114001      | 167119000    | 3.63E-08  |
| chr5       | 167125001      | 167130000    | 1.37E-06  |
| chr5       | 167328001      | 167333000    | 4.42E-09  |
| chr5       | 169123001      | 169128000    | 4.55E-10  |
| chr5       | 169158001      | 169163000    | 5.13E-11  |
| chr5       | 169159001      | 169164000    | 7.70E-11  |
| chr5       | 169184001      | 169189000    | 8.73E-06  |
| chr5       | 169185001      | 169190000    | 1.92E-06  |
| chr5       | 169868001      | 169873000    | 2.94E-05  |
| chr5       | 171661001      | 171666000    | 0.00136083 |
| chr5       | 173745001      | 173750000    | 2.15E-08  |
| chr5       | 173884001      | 173889000    | 1.28E-09  |
| chr5       | 173885001      | 173890000    | 3.82E-08  |
| chr5       | 173925001      | 173930000    | 2.48E-07  |
| chr5       | 174238001      | 174243000    | 3.25E-06  |
| chr5       | 174239001      | 174244000    | 6.55E-06  |
| chr5       | 174240001      | 174245000    | 5.08E-05  |
| chr5       | 175029001      | 175034000    | 8.09E-08  |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr6       | 13759 | 13764 | 7.57E-05|
| chr6       | 13761 | 13766 | 3.83E-07|
| chr6       | 13865 | 13870 | 1.93E-07|
| chr6       | 13866 | 13871 | 2.57E-08|
| chr6       | 13904 | 13909 | 0.000239959|
| chr6       | 13960 | 13965 | 4.07E-08|
| chr6       | 14072 | 14077 | 1.64E-07|
| chr6       | 14073 | 14078 | 1.22E-05|
| chr6       | 14074 | 14079 | 3.36E-06|
| chr6       | 14075 | 14080 | 3.91E-10|
| chr6       | 14840 | 14845 | 1.67E-11|
| chr6       | 16132 | 16137 | 0.000674533|
| chr6       | 16328 | 16333 | 3.24E-16|
| chr6       | 18322 | 18327 | 2.38E-07|
| chr6       | 18388 | 18393 | 4.14E-12|
| chr6       | 18494 | 18499 | 5.95E-08|
| chr6       | 18613 | 18618 | 1.54E-08|
| chr6       | 18614 | 18619 | 1.13E-07|
| chr6       | 18615 | 18620 | 3.75E-05|
| chr6       | 18620 | 18625 | 0.000508066|
| chr6       | 18621 | 18626 | 0.00014599|
| chr6       | 18622 | 18627 | 0.000254919|
| chr6       | 18770 | 18775 | 5.40E-07|
| chr6       | 18790 | 18795 | 5.16E-07|
| chr6       | 18791 | 18796 | 1.33E-07|
| chr6       | 18948 | 18953 | 0.005479825|
| chr6       | 18949 | 18954 | 0.002270261|
| chr6       | 18950 | 18955 | 0.002918347|
| chr6       | 18951 | 18956 | 0.000264114|
| chr6       | 19379 | 19384 | 8.10E-08|
| chr6       | 19449 | 19454 | 9.84E-06|
| chr6       | 19450 | 19455 | 3.98E-05|
| chr6       | 19788 | 19793 | 0.000400626|
| chr6       | 19923 | 19928 | 0.000324678|
| chr6       | 19924 | 19929 | 0.00018419|
| chr6       | 19925 | 19930 | 0.000499695|
| chr6       | 19936 | 19941 | 6.31E-07|
| chr6       | 19937 | 19942 | 4.30E-07|
| chr6       | 19962 | 19967 | 2.59E-07|
| chr6       | 20235 | 20240 | 1.76E-25|
| chr6       | 20236 | 20241 | 4.71E-28|
| chr6       | 20237 | 20242 | 1.30E-23|
| chr6       | 20238 | 20243 | 8.70E-20|
| chr6       | 20535 | 20540 | 2.22E-07|
| chr6       | 20580 | 20585 | 2.25E-06|
| chr6       | 20581 | 20586 | 5.36E-10|
| chr6       | 20825 | 20830 | 0.00568838|
| chr6       | 21808 | 21813 | 7.58E-10|
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr6       | 21844001       | 21849000     | 9.76E-07|
| chr6       | 21911001       | 21916000     | 3.73E-06|
| chr6       | 21912001       | 21917000     | 2.39E-11|
| chr6       | 21913001       | 21918000     | 3.47E-08|
| chr6       | 22848001       | 22853000     | 0.00356551|
| chr6       | 23238001       | 23243000     | 3.88E-05|
| chr6       | 23348001       | 23353000     | 9.35E-09|
| chr6       | 23349001       | 23354000     | 3.70E-09|
| chr6       | 23383001       | 23388000     | 0.000406485|
| chr6       | 23411001       | 23416000     | 1.11E-06|
| chr6       | 23412001       | 23417000     | 1.97E-10|
| chr6       | 23413001       | 23418000     | 5.89E-07|
| chr6       | 23414001       | 23419000     | 4.22E-07|
| chr6       | 23443001       | 23448000     | 1.94E-08|
| chr6       | 23444001       | 23449000     | 5.91E-09|
| chr6       | 23508001       | 23513000     | 0.002574182|
| chr6       | 23965001       | 23970000     | 1.06E-08|
| chr6       | 23966001       | 23971000     | 1.95E-05|
| chr6       | 24001001       | 24006000     | 5.90E-06|
| chr6       | 24054001       | 24059000     | 2.12E-05|
| chr6       | 24274001       | 24279000     | 0.001607746|
| chr6       | 24659001       | 24664000     | 1.11E-09|
| chr6       | 25020001       | 25025000     | 6.58E-06|
| chr6       | 25136001       | 25141000     | 6.10E-29|
| chr6       | 25137001       | 25142000     | 4.69E-22|
| chr6       | 25138001       | 25143000     | 2.23E-17|
| chr6       | 25311001       | 25316000     | 0.000102011|
| chr6       | 25410001       | 25415000     | 4.00E-06|
| chr6       | 25411001       | 25416000     | 2.43E-05|
| chr6       | 25995001       | 26000000     | 1.54E-11|
| chr6       | 26470001       | 26475000     | 1.25E-06|
| chr6       | 26471001       | 26476000     | 3.12E-07|
| chr6       | 26472001       | 26477000     | 4.81E-07|
| chr6       | 26531001       | 26536000     | 1.34E-11|
| chr6       | 26532001       | 26537000     | 1.28E-11|
| chr6       | 27716001       | 27721000     | 1.07E-21|
| chr6       | 27717001       | 27722000     | 1.83E-36|
| chr6       | 27718001       | 27723000     | 6.25E-36|
| chr6       | 27719001       | 27724000     | 1.75E-27|
| chr6       | 27721001       | 27726000     | 1.32E-12|
| chr6       | 27828001       | 27833000     | 3.96E-24|
| chr6       | 27829001       | 27834000     | 7.08E-20|
| chr6       | 33459001       | 33464000     | 1.38E-09|
| chr6       | 33542001       | 33547000     | 4.73E-11|
| chr6       | 33653001       | 33658000     | 0.000169445|
| chr6       | 34424001       | 34429000     | 1.92E-05|
| chr6       | 34425001       | 34430000     | 0.000280143|
| chr6       | 34466001       | 34471000     | 1.00E-12|
| chr6 |        |        |        |
|------|--------|--------|--------|
|      | 34490001 | 34495000 | 9.87E-12 |
|      | 34491001 | 34496000 | 4.33E-19 |
|      | 34492001 | 34497000 | 1.90E-21 |
|      | 34493001 | 34498000 | 5.25E-21 |
|      | 34648001 | 34653000 | 1.09E-09 |
|      | 34649001 | 34654000 | 1.32E-06 |
|      | 35997001 | 36002000 | 1.84E-14 |
|      | 36400001 | 36405000 | 8.81E-05 |
|      | 37174001 | 37179000 | 8.95E-08 |
|      | 37175001 | 37180000 | 2.98E-07 |
|      | 37176001 | 37181000 | 2.34E-09 |
|      | 37177001 | 37182000 | 1.06E-08 |
|      | 37395001 | 37400000 | 1.34E-09 |
|      | 37560001 | 37565000 | 6.96E-10 |
|      | 40449001 | 40454000 | 1.41E-07 |
|      | 40450001 | 40455000 | 1.09E-09 |
|      | 41089001 | 41094000 | 9.65E-05 |
|      | 41372001 | 41377000 | 1.20E-06 |
|      | 41880001 | 41885000 | 5.71E-07 |
|      | 41959001 | 41964000 | 3.20E-07 |
|      | 42139001 | 42144000 | 6.07E-10 |
|      | 42141001 | 42146000 | 1.55E-08 |
|      | 42744001 | 42749000 | 2.55E-21 |
|      | 42745001 | 42750000 | 1.88E-09 |
|      | 43190001 | 43195000 | 1.01E-09 |
|      | 43576001 | 43581000 | 3.54E-09 |
|      | 43664001 | 43669000 | 6.16E-08 |
|      | 43907001 | 43912000 | 1.06E-06 |
|      | 44421001 | 44426000 | 5.31E-11 |
|      | 44422001 | 44427000 | 7.44E-11 |
|      | 46241001 | 46246000 | 5.18E-05 |
|      | 46811001 | 46816000 | 0.000349494 |
|      | 46891001 | 46896000 | 2.26E-11 |
|      | 47009001 | 47014000 | 3.32E-06 |
|      | 47378001 | 47383000 | 0.000645703 |
|      | 47379001 | 47384000 | 3.08E-06 |
|      | 47380001 | 47385000 | 0.000383334 |
|      | 47414001 | 47419000 | 0.000449399 |
|      | 47415001 | 47420000 | 1.61E-06 |
|      | 47417001 | 47422000 | 0.00052767 |
|      | 47793001 | 47798000 | 0.000508066 |
|      | 47794001 | 47799000 | 0.001063193 |
|      | 47795001 | 47800000 | 0.00712524 |
|      | 47800001 | 47805000 | 0.000125555 |
|      | 47857001 | 47862000 | 5.13E-06 |
|      | 47858001 | 47863000 | 1.77E-07 |
|      | 47894001 | 47899000 | 2.38E-06 |
|      | 47900001 | 47905000 | 0.008410485 |
| Chr  | Start Position | End Position | Distance |
|------|----------------|--------------|----------|
| chr6 | 47959001       | 47964000     | 1.30E-05 |
| chr6 | 47960001       | 47965000     | 1.53E-05 |
| chr6 | 48048001       | 48053000     | 3.97E-07 |
| chr6 | 48050001       | 48055000     | 8.64E-06 |
| chr6 | 48051001       | 48056000     | 1.81E-06 |
| chr6 | 48052001       | 48057000     | 3.87E-07 |
| chr6 | 48053001       | 48058000     | 0.00170399 |
| chr6 | 48054001       | 48059000     | 4.17E-05 |
| chr6 | 48055001       | 48060000     | 1.08E-06 |
| chr6 | 48057001       | 48062000     | 2.90E-05 |
| chr6 | 48104001       | 48109000     | 6.24E-13 |
| chr6 | 48105001       | 48110000     | 1.75E-12 |
| chr6 | 48106001       | 48111000     | 3.68E-07 |
| chr6 | 48107001       | 48112000     | 5.25E-08 |
| chr6 | 48108001       | 48113000     | 4.39E-09 |
| chr6 | 48145001       | 48150000     | 3.37E-06 |
| chr6 | 48146001       | 48151000     | 7.70E-06 |
| chr6 | 48148001       | 48153000     | 0.000244417 |
| chr6 | 48269001       | 48274000     | 0.007671502 |
| chr6 | 48317001       | 48322000     | 0.000363417 |
| chr6 | 48319001       | 48324000     | 0.000142351 |
| chr6 | 48385001       | 48390000     | 3.91E-07 |
| chr6 | 48386001       | 48391000     | 3.31E-09 |
| chr6 | 48394001       | 48399000     | 0.001138351 |
| chr6 | 48395001       | 48400000     | 0.000132377 |
| chr6 | 48454001       | 48459000     | 0.000504526 |
| chr6 | 48530001       | 48535000     | 1.05E-05 |
| chr6 | 48545001       | 48550000     | 0.000101738 |
| chr6 | 48561001       | 48566000     | 0.001042671 |
| chr6 | 48685001       | 48690000     | 0.000361326 |
| chr6 | 48686001       | 48691000     | 4.03E-05 |
| chr6 | 48687001       | 48692000     | 2.32E-05 |
| chr6 | 48688001       | 48693000     | 8.95E-05 |
| chr6 | 48710001       | 48715000     | 0.017811141 |
| chr6 | 48711001       | 48716000     | 0.020810294 |
| chr6 | 48728001       | 48733000     | 0.006656287 |
| chr6 | 48742001       | 48747000     | 0.000121753 |
| chr6 | 48743001       | 48748000     | 0.000436734 |
| chr6 | 48765001       | 48770000     | 2.17E-10 |
| chr6 | 48803001       | 48808000     | 0.000182838 |
| chr6 | 48818001       | 48823000     | 0.005565195 |
| chr6 | 48826001       | 48831000     | 1.48E-05 |
| chr6 | 48862001       | 48867000     | 0.018877102 |
| chr6 | 48901001       | 48906000     | 0.000202775 |
| chr6 | 48902001       | 48907000     | 0.000113721 |
| chr6 | 48960001       | 48965000     | 0.000249727 |
| chr6 | 48987001       | 48992000     | 0.002461161 |
| chr6 | 49199001       | 49204000     | 0.000231306 |
| Start Position | End Position | P-Value |
|----------------|--------------|---------|
| chr6 49223001  | chr6 49228000 | 9.26E-08 |
| chr6 49224001  | chr6 49229000 | 5.80E-07 |
| chr6 49278001  | chr6 49283000 | 0.000707125 |
| chr6 49321001  | chr6 49326000 | 5.64E-05 |
| chr6 49499001  | chr6 49504000 | 5.46E-06 |
| chr6 49574001  | chr6 49579000 | 0.00051608 |
| chr6 49540001  | chr6 49659000 | 2.45E-05 |
| chr6 49655001  | chr6 49660000 | 2.14E-05 |
| chr6 49834001  | chr6 49839000 | 0.000178334 |
| chr6 50301001  | chr6 50306000 | 4.48E-07 |
| chr6 50619001  | chr6 50624000 | 6.50E-05 |
| chr6 50621001  | chr6 50626000 | 3.11E-06 |
| chr6 50622001  | chr6 50627000 | 0.000199722 |
| chr6 50713001  | chr6 50718000 | 0.000324707 |
| chr6 50714001  | chr6 50719000 | 0.004821647 |
| chr6 50779001  | chr6 50784000 | 8.23E-10 |
| chr6 50962001  | chr6 50967000 | 0.000162973 |
| chr6 51007001  | chr6 51012000 | 0.000467632 |
| chr6 51112001  | chr6 51117000 | 4.86E-10 |
| chr6 51146001  | chr6 51151000 | 9.08E-06 |
| chr6 51318001  | chr6 51323000 | 2.88E-06 |
| chr6 51660001  | chr6 51671000 | 0.000386336 |
| chr6 51670001  | chr6 51672000 | 0.001915406 |
| chr6 51842001  | chr6 51847000 | 1.08E-08 |
| chr6 51843001  | chr6 51848000 | 4.22E-09 |
| chr6 52484001  | chr6 52489000 | 0.000138714 |
| chr6 53288001  | chr6 53293000 | 4.03E-11 |
| chr6 53510001  | chr6 53515000 | 0.00011365 |
| chr6 53791001  | chr6 53796000 | 2.56E-07 |
| chr6 54047001  | chr6 54052000 | 0.001532906 |
| chr6 54048001  | chr6 54053000 | 0.000785581 |
| chr6 54072001  | chr6 54077000 | 0.00028966 |
| chr6 54073001  | chr6 54078000 | 0.000190685 |
| chr6 54074001  | chr6 54079000 | 0.000153152 |
| chr6 54279001  | chr6 54284000 | 0.000958906 |
| chr6 54280001  | chr6 54285000 | 0.003587084 |
| chr6 54282001  | chr6 54287000 | 0.002040081 |
| chr6 54283001  | chr6 54288000 | 0.001213958 |
| chr6 54289001  | chr6 54294000 | 0.001381613 |
| chr6 54332001  | chr6 54337000 | 0.000204815 |
| chr6 54334001  | chr6 54339000 | 0.000184123 |
| chr6 54380001  | chr6 54385000 | 1.68E-07 |
| chr6 54561001  | chr6 54566000 | 0.000382639 |
| chr6 54562001  | chr6 54567000 | 0.001369951 |
| chr6 54591001  | chr6 54596000 | 0.001305188 |
| chr6 54592001  | chr6 54597000 | 5.99E-05 |
| chr6 54593001  | chr6 54598000 | 7.98E-05 |
| chr6 54594001  | chr6 54599000 | 0.000942996 |
| Chromosome | Start Base | End Base | p-value       |
|------------|------------|----------|---------------|
| chr6       | 54925001   | 54930000 | 2.61E-08      |
| chr6       | 54997001   | 55002000 | 0.004538402   |
| chr6       | 55162001   | 55167000 | 0.000793674   |
| chr6       | 55163001   | 55168000 | 0.000942594   |
| chr6       | 55181001   | 55186000 | 0.002714114   |
| chr6       | 55210001   | 55215000 | 1.49E-08      |
| chr6       | 55234001   | 55239000 | 2.48E-09      |
| chr6       | 55272001   | 55277000 | 4.10E-07      |
| chr6       | 55302001   | 55307000 | 0.001033692   |
| chr6       | 55380001   | 55385000 | 0.021755363   |
| chr6       | 55386001   | 55391000 | 0.007133353   |
| chr6       | 55484001   | 55489000 | 0.002348695   |
| chr6       | 55492001   | 55497000 | 0.00071502    |
| chr6       | 55493001   | 55498000 | 0.000605678   |
| chr6       | 55530001   | 55535000 | 0.004303122   |
| chr6       | 55531001   | 55536000 | 0.00588544    |
| chr6       | 55532001   | 55537000 | 0.011244406   |
| chr6       | 55534001   | 55539000 | 0.000876578   |
| chr6       | 55543001   | 55548000 | 7.01E-06      |
| chr6       | 55544001   | 55549000 | 8.57E-07      |
| chr6       | 55610001   | 55615000 | 0.000274517   |
| chr6       | 55735001   | 55740000 | 1.28E-07      |
| chr6       | 55736001   | 55741000 | 3.62E-10      |
| chr6       | 55737001   | 55742000 | 4.77E-10      |
| chr6       | 55738001   | 55743000 | 2.89E-08      |
| chr6       | 55739001   | 55744000 | 8.04E-06      |
| chr6       | 55775001   | 55780000 | 5.60E-18      |
| chr6       | 55820001   | 55825000 | 2.48E-05      |
| chr6       | 55843001   | 55848000 | 0.000239061   |
| chr6       | 55860001   | 55865000 | 2.31E-07      |
| chr6       | 55912001   | 55917000 | 0.003999641   |
| chr6       | 55985001   | 55990000 | 0.001219201   |
| chr6       | 56233001   | 56238000 | 1.68E-06      |
| chr6       | 56500001   | 56505000 | 8.09E-13      |
| chr6       | 56501001   | 56506000 | 2.35E-18      |
| chr6       | 56502001   | 56507000 | 1.47E-05      |
| chr6       | 56823001   | 56828000 | 0.000345729   |
| chr6       | 58341001   | 58346000 | 3.03E-05      |
| chr6       | 62613001   | 62618000 | 1.38E-05      |
| chr6       | 63161001   | 63166000 | 0.004320144   |
| chr6       | 63164001   | 63169000 | 0.001962484   |
| chr6       | 63869001   | 63874000 | 1.88E-08      |
| chr6       | 64320001   | 64325000 | 8.14E-09      |
| chr6       | 64322001   | 64327000 | 2.86E-07      |
| chr6       | 64450001   | 64455000 | 0.000150776   |
| chr6       | 64472001   | 64477000 | 0.000460102   |
| chr6       | 64574001   | 64579000 | 8.09E-05      |
| chr6       | 64632001   | 64637000 | 4.37E-19      |
| Chromosome | Start | End   | Value  |
|------------|-------|-------|--------|
| chr6       | 6463001 | 64638000 | 1.44E-19 |
| chr6       | 64709000 | 64709000 | 0.00023994 |
| chr6       | 64786000 | 64787000 | 0.005884558 |
| chr6       | 64787000 | 64787000 | 0.01162666 |
| chr6       | 64835000 | 64835000 | 0.001360975 |
| chr6       | 64878000 | 64878000 | 4.84E-09 |
| chr6       | 64894000 | 64894000 | 0.0018694 |
| chr6       | 64895000 | 64895000 | 0.00228433 |
| chr6       | 64932000 | 64932000 | 2.29E-06 |
| chr6       | 64933000 | 64933000 | 3.61E-06 |
| chr6       | 64934000 | 64934000 | 0.001323043 |
| chr6       | 64958000 | 64958000 | 9.04E-07 |
| chr6       | 64959000 | 64959000 | 2.34E-06 |
| chr6       | 64995000 | 64995000 | 0.00125755 |
| chr6       | 65115000 | 65115000 | 0.000778176 |
| chr6       | 65116000 | 65116000 | 8.85E-06 |
| chr6       | 65315000 | 65315000 | 0.002497216 |
| chr6       | 65386000 | 65386000 | 0.000171779 |
| chr6       | 65420000 | 65420000 | 1.52E-07 |
| chr6       | 65421000 | 65421000 | 2.92E-07 |
| chr6       | 65571000 | 65571000 | 2.78E-06 |
| chr6       | 65647000 | 65647000 | 0.002325717 |
| chr6       | 65679000 | 65679000 | 6.74E-05 |
| chr6       | 65680000 | 65680000 | 3.03E-05 |
| chr6       | 65731000 | 65731000 | 5.78E-13 |
| chr6       | 65732000 | 65732000 | 1.41E-08 |
| chr6       | 65733000 | 65733000 | 1.82E-06 |
| chr6       | 65734000 | 65734000 | 3.12E-08 |
| chr6       | 65735000 | 65735000 | 4.93E-08 |
| chr6       | 65913000 | 65913000 | 5.38E-09 |
| chr6       | 65914000 | 65914000 | 4.44E-08 |
| chr6       | 65934000 | 65934000 | 4.22E-06 |
| chr6       | 65993000 | 65993000 | 5.46E-07 |
| chr6       | 65970000 | 65970000 | 0.000977504 |
| chr6       | 66020000 | 66020000 | 3.09E-07 |
| chr6       | 66035000 | 66035000 | 4.95E-09 |
| chr6       | 66036000 | 66036000 | 8.84E-11 |
| chr6       | 66037000 | 66037000 | 1.04E-11 |
| chr6       | 66144000 | 66144000 | 1.96E-05 |
| chr6       | 66145000 | 66145000 | 1.51E-05 |
| chr6       | 66281000 | 66281000 | 1.62E-07 |
| chr6       | 66346000 | 66346000 | 8.27E-05 |
| chr6       | 66347000 | 66347000 | 0.003168949 |
| chr6       | 66488000 | 66488000 | 2.11E-10 |
| chr6       | 66490000 | 66490000 | 2.57E-07 |
| chr6       | 66775000 | 66775000 | 2.33E-06 |
| chr6       | 66776000 | 66776000 | 2.01E-05 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr6       | 66837001       | 66842000     | 7.63E-06|
| chr6       | 66850001       | 66855000     | 0.00027791|
| chr6       | 66915001       | 66920000     | 0.002159415|
| chr6       | 66916001       | 66921000     | 3.32E-07|
| chr6       | 66917001       | 66922000     | 5.59E-06|
| chr6       | 66968001       | 66973000     | 4.02E-10|
| chr6       | 66969001       | 66974000     | 9.10E-10|
| chr6       | 66975001       | 66980000     | 0.001839311|
| chr6       | 66976001       | 66981000     | 0.002278404|
| chr6       | 67050001       | 67055000     | 0.002005569|
| chr6       | 67271001       | 67276000     | 0.023162238|
| chr6       | 67274001       | 67279000     | 0.013054031|
| chr6       | 67304001       | 67309000     | 0.004165745|
| chr6       | 67450001       | 67455000     | 0.016076629|
| chr6       | 67547001       | 67552000     | 0.005575943|
| chr6       | 67607001       | 67612000     | 0.000979192|
| chr6       | 67629001       | 67634000     | 0.004834391|
| chr6       | 67632001       | 67637000     | 0.000107385|
| chr6       | 67633001       | 67638000     | 5.35E-05|
| chr6       | 67635001       | 67640000     | 1.32E-06|
| chr6       | 67636001       | 67641000     | 3.35E-06|
| chr6       | 67639001       | 67644000     | 0.00036775|
| chr6       | 67734001       | 67739000     | 0.002050135|
| chr6       | 67735001       | 67740000     | 0.001356081|
| chr6       | 67773001       | 67778000     | 1.62E-15|
| chr6       | 67774001       | 67779000     | 1.17E-14|
| chr6       | 67851001       | 67856000     | 9.47E-05|
| chr6       | 67852001       | 67857000     | 0.002451295|
| chr6       | 67964001       | 67969000     | 0.000190896|
| chr6       | 68367001       | 68372000     | 0.000188813|
| chr6       | 68821001       | 68826000     | 0.000316406|
| chr6       | 68822001       | 68827000     | 0.000142776|
| chr6       | 68858001       | 68863000     | 0.00827564|
| chr6       | 69387001       | 69392000     | 2.69E-05|
| chr6       | 69502001       | 69507000     | 0.000472176|
| chr6       | 69503001       | 69508000     | 0.00011256|
| chr6       | 69504001       | 69509000     | 2.64E-11|
| chr6       | 69505001       | 69510000     | 3.62E-09|
| chr6       | 69506001       | 69511000     | 1.82E-07|
| chr6       | 69556001       | 69561000     | 0.002843124|
| chr6       | 69704001       | 69709000     | 0.000233705|
| chr6       | 69713001       | 69718000     | 2.12E-06|
| chr6       | 69714001       | 69719000     | 5.05E-09|
| chr6       | 69715001       | 69720000     | 2.38E-08|
| chr6       | 69716001       | 69721000     | 2.09E-08|
| chr6       | 69717001       | 69722000     | 9.43E-08|
| Chromosome | Start | End   | p-value   |
|------------|-------|-------|-----------|
| chr6       | 78785001 | 78790000 | 0.003379279 |
| chr6       | 78926001 | 78931000 | 7.17E-05  |
| chr6       | 78946001 | 78951000 | 9.03E-05  |
| chr6       | 78947001 | 78952000 | 4.81E-06  |
| chr6       | 78948001 | 78953000 | 0.000278018 |
| chr6       | 78955001 | 78960000 | 4.20E-06  |
| chr6       | 78977001 | 78982000 | 0.000121115 |
| chr6       | 78978001 | 78983000 | 9.14E-05  |
| chr6       | 79003001 | 79008000 | 0.000137233 |
| chr6       | 79004001 | 79009000 | 7.27E-05  |
| chr6       | 79020001 | 79025000 | 0.002496187 |
| chr6       | 79328001 | 79333000 | 0.0001253958 |
| chr6       | 79813001 | 79818000 | 0.0001529958 |
| chr6       | 80294001 | 80299000 | 3.21E-06  |
| chr6       | 80342001 | 80347000 | 0.000194788 |
| chr6       | 80457001 | 80462000 | 0.000173386 |
| chr6       | 80458001 | 80463000 | 0.000520217 |
| chr6       | 80521001 | 80526000 | 1.85E-08  |
| chr6       | 80620001 | 80625000 | 0.00033596 |
| chr6       | 80621001 | 80626000 | 0.002003119 |
| chr6       | 81042001 | 81047000 | 0.0008473074 |
| chr6       | 81167001 | 81172000 | 0.003650541 |
| chr6       | 81233001 | 81238000 | 1.52E-07  |
| chr6       | 81448001 | 81453000 | 8.63E-05  |
| chr6       | 81449001 | 81454000 | 9.48E-05  |
| chr6       | 81474001 | 81479000 | 0.000689171 |
| chr6       | 81475001 | 81480000 | 0.001370299 |
| chr6       | 81578001 | 81583000 | 0.000924988 |
| chr6       | 81579001 | 81584000 | 0.000349896 |
| chr6       | 81580001 | 81585000 | 1.71E-05  |
| chr6       | 82164001 | 82169000 | 4.38E-07  |
| chr6       | 82393001 | 82398000 | 0.005276893 |
| chr6       | 82394001 | 82399000 | 0.005855137 |
| chr6       | 82497001 | 82502000 | 0.000461278 |
| chr6       | 83245001 | 83250000 | 1.09E-05  |
| chr6       | 83497001 | 83502000 | 0.002435829 |
| chr6       | 84224001 | 84229000 | 4.71E-13  |
| chr6       | 84225001 | 84230000 | 2.98E-11  |
| chr6       | 84226001 | 84231000 | 1.01E-07  |
| chr6       | 84306001 | 84311000 | 0.010399395 |
| chr6       | 84373001 | 84378000 | 0.00052903 |
| chr6       | 84471001 | 84476000 | 0.005648353 |
| chr6       | 84514001 | 84519000 | 0.012509028 |
| chr6       | 84955001 | 84960000 | 2.27E-09  |
| chr6       | 85055001 | 85060000 | 0.01046024 |
| chr6       | 85126001 | 85131000 | 1.34E-05  |
| chr6       | 85177001 | 85182000 | 0.0011223 |
| chr6       | 85442001 | 85447000 | 2.18E-11  |
| Chromosome | Start | End   | P-value     |
|------------|-------|-------|-------------|
| Chr6       | 85501001 | 85506000 | 0.003946164 |
| Chr6       | 85617001 | 85622000 | 2.72E-05    |
| Chr6       | 85618001 | 85623000 | 4.00E-08    |
| Chr6       | 85773001 | 85778000 | 4.41E-07    |
| Chr6       | 85774001 | 85779000 | 2.24E-08    |
| Chr6       | 85775001 | 85780000 | 8.38E-06    |
| Chr6       | 85776001 | 85781000 | 1.81E-12    |
| Chr6       | 85777001 | 85782000 | 8.12E-07    |
| Chr6       | 85860001 | 85865000 | 0.004911439 |
| Chr6       | 86381001 | 86386000 | 0.000165742 |
| Chr6       | 86848001 | 86853000 | 5.65E-05    |
| Chr6       | 87302001 | 87307000 | 0.001416198 |
| Chr6       | 87303001 | 87308000 | 0.000517305 |
| Chr6       | 87418001 | 87423000 | 1.50E-06    |
| Chr6       | 87419001 | 87424000 | 2.04E-07    |
| Chr6       | 87420001 | 87425000 | 2.06E-06    |
| Chr6       | 87772001 | 87777000 | 1.10E-05    |
| Chr6       | 87774001 | 87779000 | 6.77E-07    |
| Chr6       | 88080001 | 88085000 | 1.96E-05    |
| Chr6       | 88486001 | 88491000 | 4.88E-06    |
| Chr6       | 88487001 | 88492000 | 2.17E-06    |
| Chr6       | 88522001 | 88527000 | 8.32E-09    |
| Chr6       | 88524001 | 88529000 | 7.01E-07    |
| Chr6       | 88538001 | 88543000 | 6.29E-13    |
| Chr6       | 88539001 | 88544000 | 7.08E-15    |
| Chr6       | 88540001 | 88545000 | 3.34E-15    |
| Chr6       | 88541001 | 88546000 | 7.72E-22    |
| Chr6       | 88542001 | 88547000 | 2.85E-07    |
| Chr6       | 88844001 | 88849000 | 1.05E-07    |
| Chr6       | 88886001 | 88891000 | 2.95E-05    |
| Chr6       | 89079001 | 89084000 | 5.80E-06    |
| Chr6       | 89213001 | 89218000 | 1.41E-05    |
| Chr6       | 89214001 | 89219000 | 8.88E-06    |
| Chr6       | 89215001 | 89220000 | 6.88E-06    |
| Chr6       | 89216001 | 89221000 | 2.45E-05    |
| Chr6       | 89694001 | 89699000 | 0.00177496   |
| Chr6       | 90007001 | 90012000 | 3.53E-10    |
| Chr6       | 90534001 | 90539000 | 9.58E-07    |
| Chr6       | 92057001 | 92062000 | 0.000286623 |
| Chr6       | 92058001 | 92063000 | 0.000191534 |
| Chr6       | 92059001 | 92064000 | 0.000231501 |
| Chr6       | 92060001 | 92065000 | 0.000158204 |
| Chr6       | 92061001 | 92066000 | 0.000257507 |
| Chr6       | 92147001 | 92152000 | 0.000139885 |
| Chr6       | 92257001 | 92262000 | 0.001722154 |
| Chr6       | 92340001 | 92345000 | 5.23E-06    |
| Chr6       | 92342001 | 92347000 | 1.45E-05    |
| Chr6       | 92753001 | 92758000 | 0.000235053 |
| Chromosome | Start Position | End Position | P-Value  |
|------------|----------------|--------------|----------|
| chr6       | 92821001       | 92826000     | 5.84E-05 |
| chr6       | 92822001       | 92827000     | 5.13E-05 |
| chr6       | 93012001       | 93017000     | 0.00772463 |
| chr6       | 93505001       | 93510000     | 0.005825344 |
| chr6       | 94316001       | 94321000     | 0.00169284 |
| chr6       | 94384001       | 94389000     | 0.000530691 |
| chr6       | 96650001       | 96655000     | 3.05E-05 |
| chr6       | 98028001       | 98033000     | 0.014363706 |
| chr6       | 98031001       | 98036000     | 0.00272105 |
| chr6       | 98105001       | 98110000     | 0.002689264 |
| chr6       | 98514001       | 98519000     | 0.001955652 |
| chr6       | 98620001       | 98625000     | 1.59E-05 |
| chr6       | 99067001       | 99072000     | 3.53E-06 |
| chr6       | 99068001       | 99073000     | 2.11E-06 |
| chr6       | 99104001       | 99109000     | 0.001429183 |
| chr6       | 99105001       | 99110000     | 0.002444318 |
| chr6       | 99106001       | 99111000     | 0.005683553 |
| chr6       | 99107001       | 99112000     | 0.00420344 |
| chr6       | 100267001      | 100272000    | 1.10E-08 |
| chr6       | 100356001      | 100361000    | 1.48E-05 |
| chr6       | 100708001      | 100713000    | 0.008751349 |
| chr6       | 100709001      | 100714000    | 0.003261919 |
| chr6       | 100710001      | 100715000    | 0.001067532 |
| chr6       | 101531001      | 101536000    | 2.98E-08 |
| chr6       | 101606001      | 101611000    | 9.84E-07 |
| chr6       | 101852001      | 101857000    | 9.30E-07 |
| chr6       | 101854001      | 101859000    | 0.000496833 |
| chr6       | 102044001      | 102049000    | 0.00255263 |
| chr6       | 102571001      | 102576000    | 0.00314543 |
| chr6       | 102988001      | 102993000    | 0.000370652 |
| chr6       | 103396001      | 103401000    | 0.007636477 |
| chr6       | 103397001      | 103402000    | 0.008819122 |
| chr6       | 103575001      | 103580000    | 8.96E-06 |
| chr6       | 104373001      | 104378000    | 0.000147289 |
| chr6       | 104374001      | 104379000    | 0.001392126 |
| chr6       | 104631001      | 104636000    | 7.22E-07 |
| chr6       | 104632001      | 104637000    | 1.15E-05 |
| chr6       | 104889001      | 104894000    | 0.000302372 |
| chr6       | 104890001      | 104895000    | 9.81E-06 |
| chr6       | 105498001      | 105503000    | 4.97E-05 |
| chr6       | 105749001      | 105754000    | 2.74E-12 |
| chr6       | 105879001      | 105884000    | 0.000120297 |
| chr6       | 106246001      | 106251000    | 1.46E-07 |
| chr6       | 106460001      | 106465000    | 3.29E-05 |
| chr6       | 106541001      | 106546000    | 3.57E-12 |
| chr6       | 106545001      | 106550000    | 1.41E-14 |
| chr6       | 106972001      | 106977000    | 8.98E-09 |
| chr6       | 107054001      | 107059000    | 0.000201344 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr6       | 107072001      | 107077000    | 1.25E-13 |
| chr6       | 109611001      | 109616000    | 0.003014 |
| chr6       | 109778001      | 109783000    | 3.39E-07 |
| chr6       | 110670001      | 110675000    | 1.26E-08 |
| chr6       | 110671001      | 110676000    | 3.03E-07 |
| chr6       | 110710001      | 110715000    | 8.96E-07 |
| chr6       | 110828001      | 110833000    | 7.51E-07 |
| chr6       | 110835001      | 110840000    | 1.02E-07 |
| chr6       | 111395001      | 111400000    | 1.06E-05 |
| chr6       | 111798001      | 111803000    | 1.26E-05 |
| chr6       | 111806001      | 111811000    | 1.66E-06 |
| chr6       | 112364001      | 112369000    | 1.03E-43 |
| chr6       | 112758001      | 112763000    | 0.002571 |
| chr6       | 113091001      | 113096000    | 0.003787 |
| chr6       | 113423001      | 113428000    | 0.007235 |
| chr6       | 113424001      | 113429000    | 0.007140 |
| chr6       | 113425001      | 113430000    | 0.001014 |
| chr6       | 114081001      | 114086000    | 0.000584 |
| chr6       | 114093001      | 114098000    | 3.60E-08 |
| chr6       | 114094001      | 114099000    | 2.48E-06 |
| chr6       | 115259001      | 115264000    | 0.000275 |
| chr6       | 115260001      | 115265000    | 0.000437 |
| chr6       | 115781001      | 115786000    | 0.001273 |
| chr6       | 115782001      | 115787000    | 0.000422 |
| chr6       | 115783001      | 115788000    | 8.77E-05 |
| chr6       | 116166001      | 116171000    | 0.000100 |
| chr6       | 116167001      | 116172000    | 5.19E-07 |
| chr6       | 116189001      | 116194000    | 0.000769 |
| chr6       | 116222001      | 116227000    | 1.47E-05 |
| chr6       | 116244001      | 116249000    | 7.84E-09 |
| chr6       | 116245001      | 116250000    | 2.89E-11 |
| chr6       | 116653001      | 116658000    | 0.000161 |
| chr6       | 116851001      | 116856000    | 2.56E-09 |
| chr6       | 117233001      | 117238000    | 0.001001 |
| chr6       | 117458001      | 117463000    | 0.001502 |
| chr6       | 118252001      | 118257000    | 0.006541 |
| chr6       | 118621001      | 118626000    | 3.91E-07 |
| chr6       | 118622001      | 118627000    | 8.50E-07 |
| chr6       | 118623001      | 118628000    | 4.38E-07 |
| chr6       | 118624001      | 118629000    | 0.001227 |
| chr6       | 118770001      | 118775000    | 1.34E-07 |
| chr6       | 118808001      | 118813000    | 3.83E-06 |
| chr6       | 119012001      | 119017000    | 4.18E-07 |
| chr6       | 119013001      | 119018000    | 0.000741 |
| chr6       | 119927001      | 119932000    | 9.07E-07 |
| chr6       | 119929001      | 119934000    | 0.001701 |
| chr6       | 119930001      | 119935000    | 4.50E-06 |
| chr6       | 119931001      | 119936000    | 1.83E-06 |
| Chr | Start | End     | p-value          |
|-----|-------|---------|------------------|
| chr6| 120348001 | 120353000 | 0.013521323     |
| chr6| 120420001 | 120425000 | 1.60E-06        |
| chr6| 120423001 | 120428000 | 4.49E-07        |
| chr6| 120448001 | 120453000 | 2.74E-06        |
| chr6| 120458001 | 120463000 | 0.001138916     |
| chr6| 120495001 | 120500000 | 0.000957414     |
| chr6| 120496001 | 120501000 | 0.000164152     |
| chr6| 121231001 | 121236000 | 0.0002440129    |
| chr6| 121232001 | 121237000 | 0.000253236     |
| chr6| 121434001 | 121439000 | 0.002859118     |
| chr6| 122433001 | 122438000 | 6.96E-08        |
| chr6| 122676001 | 122681000 | 0.0025646       |
| chr6| 122677001 | 122682000 | 0.002655087     |
| chr6| 122809001 | 122814000 | 1.74E-08        |
| chr6| 122810001 | 122815000 | 1.63E-08        |
| chr6| 122811001 | 122816000 | 4.31E-10        |
| chr6| 122812001 | 122817000 | 5.80E-11        |
| chr6| 122813001 | 122818000 | 2.86E-07        |
| chr6| 122951001 | 122956000 | 0.00141033      |
| chr6| 122952001 | 122957000 | 8.45E-05        |
| chr6| 122953001 | 122958000 | 4.19E-05        |
| chr6| 123017001 | 123022000 | 9.87E-05        |
| chr6| 123018001 | 123023000 | 0.000511538     |
| chr6| 123221001 | 123226000 | 0.003686791     |
| chr6| 123396001 | 123401000 | 0.00046468      |
| chr6| 123397001 | 123402000 | 6.62E-05        |
| chr6| 123410001 | 123415000 | 0.029959429     |
| chr6| 123617001 | 123622000 | 0.006317711     |
| chr6| 124056001 | 124061000 | 0.019539162     |
| chr6| 124057001 | 124062000 | 0.010697952     |
| chr6| 124224001 | 124229000 | 1.01E-08        |
| chr6| 124227001 | 124232000 | 2.06E-06        |
| chr6| 124228001 | 124233000 | 6.37E-05        |
| chr6| 124292001 | 124297000 | 0.000190843     |
| chr6| 124293001 | 124298000 | 7.21E-05        |
| chr6| 124487001 | 124592000 | 2.87E-07        |
| chr6| 124660001 | 124665000 | 2.29E-05        |
| chr6| 124675001 | 124680000 | 1.20E-06        |
| chr6| 125468001 | 125473000 | 1.51E-06        |
| chr6| 125626001 | 125631000 | 1.65E-08        |
| chr6| 127098001 | 127103000 | 0.000618607     |
| chr6| 127099001 | 127104000 | 0.000269701     |
| chr6| 127100001 | 127105000 | 0.000121877     |
| Chromosome | Start | End | p-value |
|------------|-------|-----|---------|
| chr6       | 127106001 | 127111000 | 0.000423299 |
| chr6       | 127107001 | 127112000 | 0.000423299 |
| chr6       | 127111001 | 127112000 | 0.0000257853 |
| chr6       | 127704001 | 127709000 | 5.9E-11 |
| chr6       | 127705001 | 127710000 | 3.85E-08 |
| chr6       | 127710001 | 127711000 | 1.22E-08 |
| chr6       | 127754001 | 127759000 | 1.59E-09 |
| chr6       | 127755001 | 127760000 | 1.67E-06 |
| chr6       | 127760001 | 127761000 | 1.17E-06 |
| chr6       | 127777001 | 127782000 | 7.41E-09 |
| chr6       | 127778001 | 127783000 | 4.0E-09 |
| chr6       | 127790001 | 127794000 | 9.53E-07 |
| chr6       | 127781001 | 127786000 | 0.000122318 |
| chr6       | 127783001 | 127788000 | 3.17E-05 |
| chr6       | 127784001 | 127789000 | 2.51E-07 |
| chr6       | 127791001 | 127796000 | 3.19E-09 |
| chr6       | 127844001 | 127849000 | 0.000447781 |
| chr6       | 128152001 | 128157000 | 5.38E-05 |
| chr6       | 128256001 | 128261000 | 0.000362815 |
| chr6       | 128257001 | 128262000 | 0.000932679 |
| chr6       | 129290001 | 129295000 | 8.07E-05 |
| chr6       | 129344001 | 129349000 | 0.00029977 |
| chr6       | 130254001 | 130259000 | 0.002130337 |
| chr6       | 130257001 | 130262000 | 2.74E-08 |
| chr6       | 130636001 | 130641000 | 0.001312344 |
| chr6       | 130644001 | 130649000 | 2.85E-06 |
| chr6       | 130757001 | 130762000 | 9.06E-09 |
| chr6       | 132158001 | 132163000 | 2.78E-09 |
| chr6       | 132451001 | 132456000 | 0.001700021 |
| chr6       | 132651001 | 132656000 | 5.55E-09 |
| chr6       | 132682001 | 132687000 | 0.001109474 |
| chr6       | 132683001 | 132688000 | 0.000271514 |
| chr6       | 132684001 | 132689000 | 0.006161167 |
| chr6       | 132685001 | 132690000 | 0.000103103 |
| chr6       | 132858001 | 132863000 | 3.77E-08 |
| chr6       | 132859001 | 132864000 | 2.48E-08 |
| chr6       | 132860001 | 132865000 | 0.000134957 |
| chr6       | 133610001 | 133615000 | 0.000505313 |
| chr6       | 133627001 | 133632000 | 0.000148859 |
| chr6       | 133961001 | 133966000 | 3.04E-06 |
| chr6       | 133962001 | 133967000 | 1.50E-07 |
| chr6       | 133963001 | 133968000 | 1.95E-07 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr6       | 134123001      | 134128000    | 5.78E-05 |
| chr6       | 134124001      | 134129000    | 1.39E-05 |
| chr6       | 134150001      | 134155000    | 2.40E-05 |
| chr6       | 134487001      | 134492000    | 9.41E-25 |
| chr6       | 134488001      | 134493000    | 3.08E-26 |
| chr6       | 135092001      | 135097000    | 7.42E-09 |
| chr6       | 135093001      | 135098000    | 2.99E-08 |
| chr6       | 136222001      | 136227000    | 2.05E-07 |
| chr6       | 136547001      | 136552000    | 1.63E-12 |
| chr6       | 136796001      | 1368010000   | 0.018729575 |
| chr6       | 137312001      | 137317000    | 2.33E-10 |
| chr6       | 137313001      | 137318000    | 7.76E-10 |
| chr6       | 138192001      | 138197000    | 1.03E-08 |
| chr6       | 138193001      | 138198000    | 3.78E-07 |
| chr6       | 138194001      | 138199000    | 1.18E-07 |
| chr6       | 139327001      | 139332000    | 1.30E-06 |
| chr6       | 140529001      | 140534000    | 1.72E-05 |
| chr6       | 140712001      | 140717000    | 0.00717405 |
| chr6       | 140754001      | 140759000    | 1.96E-09 |
| chr6       | 140755001      | 140760000    | 2.58E-10 |
| chr6       | 140802001      | 140807000    | 5.49E-05 |
| chr6       | 140805001      | 140810000    | 1.26E-09 |
| chr6       | 140806001      | 140811000    | 1.72E-08 |
| chr6       | 140966001      | 140971000    | 0.004726891 |
| chr6       | 141076001      | 141081000    | 0.002803419 |
| chr6       | 141091001      | 141096000    | 0.00587751 |
| chr6       | 141506001      | 141511000    | 0.000792504 |
| chr6       | 141507001      | 141512000    | 4.40E-05 |
| chr6       | 141508001      | 141513000    | 2.19E-05 |
| chr6       | 141510001      | 141515000    | 2.01E-05 |
| chr6       | 141511001      | 141516000    | 0.000271055 |
| chr6       | 141770001      | 141775000    | 0.015375386 |
| chr6       | 141783001      | 141788000    | 0.000683799 |
| chr6       | 142179001      | 142184000    | 3.62E-07 |
| chr6       | 142695001      | 142700000    | 0.015192174 |
| chr6       | 142795001      | 142800000    | 7.27E-07 |
| chr6       | 142931001      | 142936000    | 0.002304827 |
| chr6       | 143138001      | 143143000    | 2.22E-05 |
| chr6       | 143748001      | 143753000    | 4.90E-12 |
| chr6       | 144065001      | 144070000    | 2.15E-16 |
| chr6       | 144280001      | 144285000    | 1.13E-13 |
| chr6       | 145349001      | 145354000    | 0.001104059 |
| chr6       | 145406001      | 145411000    | 7.60E-06 |
| chr6       | 145409001      | 145414000    | 0.000991221 |
| chr6       | 145456001      | 145461000    | 1.28E-07 |
| chr6       | 145478001      | 145483000    | 0.000373732 |
| chr6       | 145479001      | 145484000    | 0.000945261 |
| chr6       | 145480001      | 145485000    | 0.009139564 |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr6       | 145542001      | 145547000    | 0.000819726 |
| chr6       | 145554001      | 145559000    | 6.56E-07   |
| chr6       | 145581001      | 145586000    | 0.004387136 |
| chr6       | 145667001      | 145672000    | 0.00145032  |
| chr6       | 145668001      | 145673000    | 6.06E-05   |
| chr6       | 145690001      | 145674000    | 0.00397766  |
| chr6       | 145765001      | 145770000    | 0.000357468 |
| chr6       | 146025001      | 146030000    | 0.000592038 |
| chr6       | 146613001      | 146918000    | 0.01171035  |
| chr6       | 147054001      | 147059000    | 0.000455306 |
| chr6       | 147055001      | 147060000    | 2.01E-05   |
| chr6       | 147332001      | 147337000    | 0.00606071  |
| chr6       | 147395001      | 147400000    | 2.98E-05   |
| chr6       | 147406001      | 147411000    | 4.21E-07   |
| chr6       | 147433001      | 147438000    | 0.002665754 |
| chr6       | 147434001      | 147439000    | 2.44E-05   |
| chr6       | 147435001      | 147440000    | 0.00138978  |
| chr6       | 147467001      | 147472000    | 5.87E-05   |
| chr6       | 147480001      | 147485000    | 6.86E-10   |
| chr6       | 147481001      | 147486000    | 9.15E-09   |
| chr6       | 147603001      | 147608000    | 2.20E-05   |
| chr6       | 148102001      | 148107000    | 0.000376781 |
| chr6       | 148168001      | 148173000    | 1.02E-05   |
| chr6       | 148346001      | 148351000    | 4.37E-06   |
| chr6       | 148353001      | 148358000    | 3.22E-07   |
| chr6       | 151768001      | 151773000    | 1.18E-22   |
| chr6       | 152892001      | 152897000    | 0.004242616 |
| chr6       | 153176001      | 153181000    | 0.002006724 |
| chr6       | 153177001      | 153182000    | 7.60E-06   |
| chr6       | 153271001      | 153276000    | 2.64E-07   |
| chr6       | 153494001      | 153499000    | 7.82E-07   |
| chr6       | 153495001      | 153500000    | 1.40E-06   |
| chr6       | 153496001      | 153501000    | 7.22E-05   |
| chr6       | 153497001      | 153502000    | 1.46E-05   |
| chr6       | 153498001      | 153503000    | 0.000187275 |
| chr6       | 153545001      | 153550000    | 0.000228009 |
| chr6       | 153550001      | 153555000    | 7.51E-05   |
| chr6       | 153658001      | 153663000    | 0.003785275 |
| chr6       | 153672001      | 153677000    | 0.000171426 |
| chr6       | 153705001      | 153710000    | 1.71E-06   |
| chr6       | 153799001      | 153804000    | 9.52E-05   |
| chr6       | 153801001      | 153806000    | 0.000798062 |
| chr6       | 153891001      | 153896000    | 9.60E-07   |
| chr6       | 153893001      | 153898000    | 3.62E-08   |
| chr6       | 153976001      | 153981000    | 5.35E-05   |
| chr6       | 154265001      | 154270000    | 0.001649701 |
| chr6       | 154266001      | 154271000    | 0.002240633 |
| chr6       | 154267001      | 154272000    | 0.004670746 |
| Chromosome | Start | End   | Score  |
|------------|-------|-------|--------|
| chr6       | 15429001 | 154290000 | 9.27E-08  |
| chr6       | 154295001 | 154300000 | 2.55E-05  |
| chr6       | 154439001 | 154444000 | 2.55E-05  |
| chr6       | 154440001 | 154450000 | 0.00452772 |
| chr6       | 155506001 | 155614000 | 3.43E-10  |
| chr6       | 155507001 | 155612000 | 7.79E-12  |
| chr6       | 155775001 | 155780000 | 2.35E-05  |
| chr6       | 155856001 | 155964000 | 3.63E-05  |
| chr6       | 156054001 | 156069000 | 3.67E-06  |
| chr6       | 156055001 | 156066000 | 2.23E-05  |
| chr6       | 156150001 | 156160000 | 0.006480717 |
| chr6       | 156968001 | 156973000 | 3.98E-17  |
| chr6       | 157956001 | 157961000 | 4.57E-11  |
| chr6       | 158371001 | 158376000 | 3.96E-11  |
| chr6       | 158938001 | 158943000 | 5.15E-14  |
| chr6       | 158939001 | 158944000 | 2.81E-09  |
| chr6       | 158940001 | 158945000 | 4.92E-07  |
| chr6       | 159233001 | 159238000 | 9.30E-14  |
| chr6       | 161204001 | 161209000 | 0.00445181 |
| chr6       | 161206001 | 161211000 | 2.76E-05  |
| chr6       | 161370001 | 161375000 | 1.82E-10  |
| chr6       | 162355001 | 162360000 | 2.03E-06  |
| chr6       | 162595001 | 162600000 | 4.19E-10  |
| chr6       | 162892001 | 162897000 | 0.000105794 |
| chr6       | 163025001 | 163030000 | 7.06E-05  |
| chr6       | 163112001 | 163117000 | 0.004389697 |
| chr6       | 163216001 | 163221000 | 1.42E-05  |
| chr6       | 163218001 | 163223000 | 1.46E-08  |
| chr6       | 163219001 | 163224000 | 9.82E-09  |
| chr6       | 163728001 | 163733000 | 7.13E-18  |
| chr6       | 163729001 | 163734000 | 2.66E-18  |
| chr6       | 163730001 | 163735000 | 3.95E-17  |
| chr6       | 164533001 | 164538000 | 9.58E-06  |
| chr6       | 164551001 | 164556000 | 5.33E-05  |
| chr6       | 164624001 | 164629000 | 0.003866973 |
| chr6       | 164643001 | 164648000 | 1.73E-05  |
| chr6       | 164644001 | 164649000 | 3.82E-06  |
| chr6       | 165036001 | 165041000 | 5.69E-05  |
| chr6       | 165049001 | 165054000 | 0.001901636 |
| chr6       | 165065001 | 165070000 | 0.01386368 |
| chr6       | 165066001 | 165071000 | 0.015779236 |
| chr6       | 166261001 | 166266000 | 4.33E-10  |
| chr6       | 168230001 | 168235000 | 6.71E-06  |
| chr6       | 168332001 | 168337000 | 4.29E-07  |
| chr6       | 169294001 | 169299000 | 1.22E-10  |
| chr6       | 170460001 | 170465000 | 2.40E-12  |
| Chr  | Start  | End    | FDR   |
|------|--------|--------|-------|
| chr6 | 170461001 | 170466000 | 8.36E-09 |
| chr7 | 1577001  | 1582000  | 7.84E-26 |
| chr7 | 1785001  | 1790000  | 1.47E-34 |
| chr7 | 1786001  | 1791000  | 5.13E-29 |
| chr7 | 2307001  | 2312000  | 3.31E-06 |
| chr7 | 2738001  | 2743000  | 1.76E-13 |
| chr7 | 5646001  | 5651000  | 8.49E-21 |
| chr7 | 5647001  | 5652000  | 3.64E-18 |
| chr7 | 6423001  | 6428000  | 1.24E-10 |
| chr7 | 6693001  | 6698000  | 7.60E-11 |
| chr7 | 6694001  | 6699000  | 2.18E-11 |
| chr7 | 6695001  | 6700000  | 7.41E-12 |
| chr7 | 7717001  | 7722000  | 2.96E-07 |
| chr7 | 7797001  | 7802000  | 1.03E-06 |
| chr7 | 7958001  | 7963000  | 0.001437919 |
| chr7 | 7959001  | 7964000  | 0.002368015 |
| chr7 | 7960001  | 7965000  | 9.28E-05 |
| chr7 | 8015001  | 8020000  | 6.88E-08 |
| chr7 | 8016001  | 8021000  | 1.60E-07 |
| chr7 | 8330001  | 8335000  | 3.43E-08 |
| chr7 | 8331001  | 8336000  | 5.47E-10 |
| chr7 | 8363001  | 8368000  | 8.15E-11 |
| chr7 | 8364001  | 8369000  | 5.40E-14 |
| chr7 | 8365001  | 8370000  | 1.17E-13 |
| chr7 | 8366001  | 8371000  | 5.60E-06 |
| chr7 | 8430001  | 8435000  | 2.73E-06 |
| chr7 | 8467001  | 8472000  | 2.05E-06 |
| chr7 | 8498001  | 8503000  | 2.29E-06 |
| chr7 | 8499001  | 8504000  | 7.37E-07 |
| chr7 | 8500001  | 8505000  | 1.10E-05 |
| chr7 | 8604001  | 8609000  | 0.00040904 |
| chr7 | 8605001  | 8610000  | 0.002601205 |
| chr7 | 8733001  | 8738000  | 3.58E-05 |
| chr7 | 8734001  | 8739000  | 5.85E-05 |
| chr7 | 8735001  | 8740000  | 1.68E-05 |
| chr7 | 8824001  | 8829000  | 0.000767693 |
| chr7 | 8925001  | 8930000  | 2.91E-14 |
| chr7 | 8926001  | 8931000  | 5.25E-17 |
| chr7 | 9556001  | 9561000  | 0.000174526 |
| chr7 | 9557001  | 9562000  | 0.00014381 |
| chr7 | 9648001  | 9653000  | 7.67E-05 |
| chr7 | 9649001  | 9654000  | 5.78E-05 |
| chr7 | 9863001  | 9868000  | 9.71E-10 |
| chr7 | 9866001  | 9871000  | 8.16E-07 |
| chr7 | 10198001 | 10203000 | 7.45E-07 |
| chr7 | 10199001 | 10204000 | 1.70E-05 |
| chr7 | 10503001 | 10508000 | 8.50E-25 |
| chr7 | 10504001 | 10509000 | 1.20E-23 |
| Gene  | Start (bp) | End (bp)   | Score     |
|-------|------------|------------|-----------|
| chr7  | 10656001   | 10661000   | 2.92E-09  |
| chr7  | 10657001   | 10662000   | 6.64E-09  |
| chr7  | 10658001   | 10663000   | 3.47E-07  |
| chr7  | 10659001   | 10664000   | 8.88E-05  |
| chr7  | 10798001   | 10803000   | 2.92E-09  |
| chr7  | 10800003   | 10803000   | 6.64E-09  |
| chr7  | 10658001   | 10663000   | 3.47E-07  |
| chr7  | 10659001   | 10664000   | 8.88E-05  |
| chr7  | 10656001   | 10661000   | 2.92E-09  |
| chr7  | 10657001   | 10662000   | 6.64E-09  |
| chr7  | 10658001   | 10663000   | 3.47E-07  |
| chr7  | 10659001   | 10664000   | 8.88E-05  |
| chr7  | 10798001   | 10803000   | 2.92E-09  |
| chr7  | 10800003   | 10803000   | 6.64E-09  |
| chr7  | 10658001   | 10663000   | 3.47E-07  |
| chr7  | 10659001   | 10664000   | 8.88E-05  |
| chr7  | 10798001   | 10803000   | 2.92E-09  |
| chr7  | 10800003   | 10803000   | 6.64E-09  |
| chr7  | 10658001   | 10663000   | 3.47E-07  |
| chr7  | 10659001   | 10664000   | 8.88E-05  |
| chr7  | 10798001   | 10803000   | 2.92E-09  |
| chr7  | 10800003   | 10803000   | 6.64E-09  |
| chr7  | 10658001   | 10663000   | 3.47E-07  |
| chr7  | 10659001   | 10664000   | 8.88E-05  |
| Chr  | Start (0001) | End (0000) | Value         |
|------|--------------|------------|---------------|
| chr7 | 19299001     | 19304000   | 4.29E-05      |
| chr7 | 19337001     | 19342000   | 3.09E-06      |
| chr7 | 19341001     | 19346000   | 1.28E-05      |
| chr7 | 19429001     | 19434000   | 6.53E-05      |
| chr7 | 19434001     | 19439000   | 3.06E-07      |
| chr7 | 19435001     | 19440000   | 9.27E-08      |
| chr7 | 19436001     | 19441000   | 2.08E-08      |
| chr7 | 19437001     | 19442000   | 7.95E-10      |
| chr7 | 19463001     | 19468000   | 1.65E-06      |
| chr7 | 19464001     | 19469000   | 2.83E-07      |
| chr7 | 19681001     | 19686000   | 0.002719735   |
| chr7 | 19714001     | 19719000   | 5.71E-05      |
| chr7 | 19794001     | 19799000   | 1.65E-08      |
| chr7 | 19856001     | 19861000   | 3.85E-05      |
| chr7 | 20534001     | 20539000   | 0.001656508   |
| chr7 | 20550001     | 20555000   | 0.014017406   |
| chr7 | 20570001     | 20575000   | 0.000236874   |
| chr7 | 20913001     | 20918000   | 1.79E-07      |
| chr7 | 20914001     | 20919000   | 2.25E-09      |
| chr7 | 20915001     | 20920000   | 8.68E-09      |
| chr7 | 21406001     | 21411000   | 3.41E-07      |
| chr7 | 21456001     | 21461000   | 0.000153539   |
| chr7 | 22881001     | 22886000   | 2.90E-08      |
| chr7 | 25903001     | 25908000   | 7.19E-09      |
| chr7 | 25904001     | 25909000   | 8.96E-08      |
| chr7 | 25905001     | 25910000   | 5.89E-08      |
| chr7 | 26179001     | 26184000   | 2.97E-09      |
| chr7 | 26234001     | 26239000   | 6.71E-17      |
| chr7 | 27052001     | 27057000   | 7.01E-06      |
| chr7 | 27144001     | 27149000   | 1.11E-39      |
| chr7 | 27145001     | 27150000   | 1.29E-39      |
| chr7 | 27146001     | 27151000   | 4.43E-28      |
| chr7 | 27147001     | 27152000   | 3.16E-10      |
| chr7 | 27156001     | 27161000   | 4.34E-22      |
| chr7 | 27157001     | 27162000   | 1.07E-11      |
| chr7 | 27159001     | 27164000   | 1.74E-14      |
| chr7 | 27165001     | 27170000   | 2.56E-08      |
| chr7 | 27233001     | 27238000   | 3.05E-18      |
| chr7 | 28132001     | 28137000   | 3.24E-10      |
| chr7 | 28133001     | 28138000   | 1.42E-12      |
| chr7 | 28249001     | 28254000   | 0.004597357   |
| chr7 | 28877001     | 28882000   | 2.14E-16      |
| chr7 | 28878001     | 28883000   | 6.38E-17      |
| chr7 | 29219001     | 29224000   | 9.00E-09      |
| chr7 | 29294001     | 29299000   | 2.38E-11      |
| chr7 | 29295001     | 29300000   | 2.05E-12      |
| chr7 | 30511001     | 30516000   | 2.74E-12      |
| chr7 | 30766001     | 30771000   | 0.000930367   |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr7       | 31596001 | 31601000 | 0.011214876 |
| chr7       | 31684001 | 31689000  | 4.38E-05   |
| chr7       | 31687001 | 31692000  | 6.65E-07   |
| chr7       | 32426001 | 32431000  | 4.34E-06   |
| chr7       | 33946001 | 33951000  | 0.001642663 |
| chr7       | 36477001 | 36482000  | 5.37E-11   |
| chr7       | 36478001 | 36483000  | 1.22E-11   |
| chr7       | 36479001 | 36484000  | 2.86E-11   |
| chr7       | 36536001 | 36541000  | 9.83E-10   |
| chr7       | 37449001 | 37454000  | 3.88E-06   |
| chr7       | 38487001 | 38492000  | 1.71E-06   |
| chr7       | 38971001 | 38976000  | 2.03E-11   |
| chr7       | 40473001 | 40478000  | 1.62E-05   |
| chr7       | 40504001 | 40509000  | 0.000122997 |
| chr7       | 43625001 | 43630000  | 1.34E-06   |
| chr7       | 43626001 | 43631000  | 8.37E-05   |
| chr7       | 43736001 | 43741000  | 0.001404573 |
| chr7       | 43739001 | 43744000  | 8.75E-08   |
| chr7       | 44535001 | 44540000  | 5.45E-07   |
| chr7       | 44536001 | 44541000  | 6.17E-07   |
| chr7       | 44585001 | 44590000  | 0.000144611 |
| chr7       | 44774001 | 44779000  | 4.59E-05   |
| chr7       | 45200001 | 45205000  | 0.000153422 |
| chr7       | 45201001 | 45206000  | 3.65E-05   |
| chr7       | 47677001 | 47682000  | 5.17E-16   |
| chr7       | 48887001 | 48892000  | 0.000652633 |
| chr7       | 48905001 | 48910000  | 0.001010605 |
| chr7       | 48976001 | 48981000  | 0.000242724 |
| chr7       | 49613001 | 49618000  | 0.002726917 |
| chr7       | 49614001 | 49619000  | 2.13E-05   |
| chr7       | 50161001 | 50166000  | 0.000722279 |
| chr7       | 50162001 | 50167000  | 0.0007023695 |
| chr7       | 53721001 | 53726000  | 0.002631698 |
| chr7       | 53846001 | 53851000  | 6.07E-05   |
| chr7       | 53899001 | 53904000  | 0.007682481 |
| chr7       | 54224001 | 54229000  | 4.99E-05   |
| chr7       | 54422001 | 54427000  | 0.001410314 |
| chr7       | 54423001 | 54428000  | 0.00010933 |
| chr7       | 54424001 | 54429000  | 2.15E-06   |
| chr7       | 54453001 | 54458000  | 0.017961008 |
| chr7       | 54600001 | 54605000  | 0.000662467 |
| chr7       | 54602001 | 54607000  | 0.000131986 |
| chr7       | 54711001 | 54716000  | 0.002276508 |
| chr7       | 54712001 | 54717000  | 0.004591931 |
| chr7       | 54713001 | 54718000  | 0.006551885 |
| chr7       | 55174001 | 55179000  | 1.18E-13   |
| chr7       | 55175001 | 55180000  | 3.60E-23   |
| chr7       | 56114001 | 56119000  | 4.10E-29   |
| Chromosome | Start | End   | Value      |
|------------|-------|-------|------------|
| chr7       | 56215001 | 56220000 | 5.74E-13   |
| chr7       | 56216001 | 56221000 | 3.96E-10   |
| chr7       | 56621001 | 56626000 | 0.000411994|
| chr7       | 56742001 | 56747000 | 5.33E-06   |
| chr7       | 56743001 | 56748000 | 3.31E-07   |
| chr7       | 56744001 | 56749000 | 9.74E-07   |
| chr7       | 58006001 | 58011000 | 3.74E-05   |
| chr7       | 58007001 | 58012000 | 8.20E-06   |
| chr7       | 62325001 | 62330000 | 0.007431643|
| chr7       | 62713001 | 62718000 | 0.00021626 |
| chr7       | 62715001 | 62720000 | 7.12E-05   |
| chr7       | 63880001 | 63885000 | 3.59E-05   |
| chr7       | 64906001 | 64911000 | 2.06E-06   |
| chr7       | 64907001 | 64912000 | 9.09E-05   |
| chr7       | 64919001 | 64924000 | 0.001494352|
| chr7       | 65149001 | 65154000 | 0.000114515|
| chr7       | 65279001 | 65284000 | 3.02E-08   |
| chr7       | 66432001 | 66437000 | 1.75E-07   |
| chr7       | 68183001 | 68188000 | 3.31E-05   |
| chr7       | 70270001 | 70275000 | 1.68E-11   |
| chr7       | 70271001 | 70276000 | 8.53E-09   |
| chr7       | 71493001 | 71498000 | 0.00023224 |
| chr7       | 71494001 | 71499000 | 5.33E-05   |
| chr7       | 71534001 | 71539000 | 5.79E-05   |
| chr7       | 71947001 | 71952000 | 8.00E-10   |
| chr7       | 72703001 | 72708000 | 0.000229046|
| chr7       | 72866001 | 72871000 | 7.01E-11   |
| chr7       | 73020001 | 73025000 | 5.01E-12   |
| chr7       | 73023001 | 73028000 | 1.28E-06   |
| chr7       | 73239001 | 73244000 | 1.63E-12   |
| chr7       | 73240001 | 73245000 | 3.43E-16   |
| chr7       | 73253001 | 73258000 | 5.09E-11   |
| chr7       | 73263001 | 73268000 | 5.63E-07   |
| chr7       | 73444001 | 73449000 | 8.72E-07   |
| chr7       | 73470001 | 73475000 | 2.30E-07   |
| chr7       | 73624001 | 73629000 | 0.000230349|
| chr7       | 73761001 | 73766000 | 1.32E-10   |
| chr7       | 73940001 | 73945000 | 1.36E-09   |
| chr7       | 73956001 | 73961000 | 1.13E-05   |
| chr7       | 73957001 | 73962000 | 1.32E-07   |
| chr7       | 74002001 | 74007000 | 2.20E-05   |
| chr7       | 74157001 | 74162000 | 0.00053371 |
| chr7       | 74982001 | 74987000 | 0.01181428 |
| chr7       | 74983001 | 74988000 | 0.01181428 |
| chr7       | 75923001 | 75928000 | 0.000910831|
| chr7       | 75925001 | 75930000 | 5.75E-07   |
| chr7       | 76071001 | 76076000 | 1.00E-06   |
| chr7       | 76072001 | 76077000 | 9.91E-09   |
| Chromosome | Start | End | Value |
|------------|-------|-----|-------|
| chr7       | 76073001 | 76078000 | 0.000268016 |
| chr7       | 76074001 | 76079000 | 0.000227688 |
| chr7       | 76075001 | 76078000 | 0.000227688 |
| chr7       | 76554001 | 76559000 | 0.00046469 |
| chr7       | 76555001 | 76560000 | 1.46E-08 |
| chr7       | 76556001 | 76561000 | 8.97E-06 |
| chr7       | 76586001 | 76591000 | 1.13E-07 |
| chr7       | 76587001 | 76592000 | 1.31E-05 |
| chr7       | 76598001 | 76603000 | 9.80E-08 |
| chr7       | 76604001 | 76609000 | 1.09E-06 |
| chr7       | 76609001 | 76614000 | 0.0001082814 |
| chr7       | 76615001 | 76620000 | 0.001398864 |
| chr7       | 76621001 | 76626000 | 0.004775802 |
| chr7       | 76627001 | 76632000 | 0.001398864 |
| chr7       | 76633001 | 76638000 | 0.000939135 |
| chr7       | 76639001 | 76644000 | 0.0000434231 |
| chr7       | 76645001 | 76650000 | 4.76E-05 |
| chr7       | 76651001 | 76656000 | 2.29E-08 |
| chr7       | 76657001 | 76662000 | 0.008022683 |
| chr7       | 76663001 | 76668000 | 3.53E-05 |
| chr7       | 76669001 | 76674000 | 5.12E-05 |
| chr7       | 76675001 | 76680000 | 4.63E-07 |
| chr7       | 76681001 | 76686000 | 1.33E-06 |
| chr7       | 76687001 | 76692000 | 2.52E-07 |
| chr7       | 76693001 | 76698000 | 3.22E-07 |
| chr7       | 76699001 | 76704000 | 3.46E-06 |
| chr7       | 76705001 | 76710000 | 0.00182925 |
| chr7       | 76711001 | 76716000 | 2.31E-05 |
| chr7       | 76717001 | 76722000 | 0.00031855 |
| chr7       | 76723001 | 76728000 | 0.00193248 |
| chr7       | 76729001 | 76734000 | 4.00E-06 |
| chr7       | 76735001 | 76740000 | 1.50E-05 |
| chr7       | 76741001 | 76746000 | 4.22E-05 |
| chr7       | 76747001 | 76752000 | 0.00139649 |
| chr7       | 76753001 | 76758000 | 0.001559969 |
| chr7       | 76759001 | 76764000 | 0.003995736 |
| chr7       | 76765001 | 76770000 | 0.00823531 |
| chr7       | 76771001 | 76776000 | 8.44E-05 |
| chr7       | 76777001 | 76782000 | 1.32E-13 |
| chr7       | 76783001 | 76788000 | 1.14E-06 |
| chr7       | 76789001 | 76794000 | 4.25E-06 |
| chr7       | 76795001 | 76799000 | 0.000572322 |
| chr7       | 76800001 | 76805000 | 0.000527653 |
| chr7       | 76806001 | 76811000 | 5.88E-06 |
| chr7       | 76812001 | 76817000 | 0.000222248 |
| chr7       | 76818001 | 76823000 | 1.80E-05 |
| Chromosome | Start | End   | Value         |
|------------|-------|-------|---------------|
| chr7       | 84142001 | 84147000 | 0.000186194   |
| chr7       | 84175001 | 84180000 | 4.40E-09      |
| chr7       | 84176001 | 84181000 | 0.008027328   |
| chr7       | 84227001 | 84232000 | 0.000253779   |
| chr7       | 84228001 | 84233000 | 8.14E-06      |
| chr7       | 84229001 | 84234000 | 2.57E-06      |
| chr7       | 84249001 | 84254000 | 0.006763871   |
| chr7       | 84317001 | 84322000 | 0.001383882   |
| chr7       | 84318001 | 84323000 | 0.005029384   |
| chr7       | 84319001 | 84324000 | 0.004405796   |
| chr7       | 84342001 | 84347000 | 0.00285695    |
| chr7       | 84343001 | 84348000 | 0.002769684   |
| chr7       | 84344001 | 84349000 | 0.002264501   |
| chr7       | 84529001 | 84534000 | 0.0013478     |
| chr7       | 85414001 | 85419000 | 0.000115734   |
| chr7       | 85415001 | 85420000 | 0.002883013   |
| chr7       | 85445001 | 85450000 | 0.003148015   |
| chr7       | 85446001 | 85451000 | 4.37E-07      |
| chr7       | 85447001 | 85452000 | 1.01E-07      |
| chr7       | 85990001 | 85995000 | 2.21E-05      |
| chr7       | 86853001 | 86858000 | 0.000324341   |
| chr7       | 87366001 | 87371000 | 1.40E-05      |
| chr7       | 87367001 | 87372000 | 3.39E-05      |
| chr7       | 87717001 | 87722000 | 0.004570814   |
| chr7       | 88081001 | 88086000 | 8.93E-06      |
| chr7       | 88082001 | 88087000 | 1.11E-07      |
| chr7       | 88083001 | 88088000 | 0.000171439   |
| chr7       | 88197001 | 88202000 | 0.007985797   |
| chr7       | 88198001 | 88203000 | 0.014795402   |
| chr7       | 88229001 | 88234000 | 0.00650162    |
| chr7       | 89617001 | 89622000 | 0.006110884   |
| chr7       | 89618001 | 89623000 | 0.003269182   |
| chr7       | 89619001 | 89624000 | 0.000436697   |
| chr7       | 90082001 | 90087000 | 0.000195464   |
| chr7       | 90111001 | 90116000 | 0.002478332   |
| chr7       | 90594001 | 90599000 | 1.31E-05      |
| chr7       | 90727001 | 90732000 | 0.00204119    |
| chr7       | 90728001 | 90733000 | 2.18E-08      |
| chr7       | 90808001 | 90813000 | 2.38E-16      |
| chr7       | 90809001 | 90814000 | 2.48E-06      |
| chr7       | 90810001 | 90815000 | 0.000137461   |
| chr7       | 92233001 | 92238000 | 1.52E-08      |
| chr7       | 92275001 | 92280000 | 3.01E-05      |
| chr7       | 92838001 | 92843000 | 0.004071703   |
| chr7       | 93539001 | 93544000 | 0.000389151   |
| chr7       | 93540001 | 93545000 | 0.000165963   |
| chr7       | 93679001 | 93684000 | 8.66E-08      |
| chr7       | 93824001 | 93829000 | 6.95E-06      |
| chr7 | 94059001 | 94064000 | 0.000174693 |
|------|----------|----------|-------------|
| chr7 | 94061001 | 94066000 | 1.13E-06    |
| chr7 | 94062001 | 94067000 | 1.43E-07    |
| chr7 | 94299001 | 94304000 | 5.34E-06    |
| chr7 | 94522001 | 94527000 | 1.12E-09    |
| chr7 | 94783001 | 94788000 | 1.13E-06    |
| chr7 | 94784001 | 94789000 | 1.43E-07    |
| chr7 | 95345001 | 95350000 | 6.21E-06    |
| chr7 | 95415001 | 95420000 | 3.27E-07    |
| chr7 | 96002001 | 96007000 | 9.66E-08    |
| chr7 | 96003001 | 96008000 | 5.76E-06    |
| chr7 | 96143001 | 96148000 | 5.14E-06    |
| chr7 | 96144001 | 96149000 | 5.09E-07    |
| chr7 | 97145001 | 97150000 | 4.60E-06    |
| chr7 | 97146001 | 97151000 | 5.95E-06    |
| chr7 | 97147001 | 97152000 | 6.61E-06    |
| chr7 | 97196001 | 97201000 | 0.000591519 |
| chr7 | 97199001 | 97204000 | 0.000405825 |
| chr7 | 97220001 | 97225000 | 1.33E-05    |
| chr7 | 99406001 | 99411000 | 8.34E-22    |
| chr7 | 99747001 | 99752000 | 8.88E-12    |
| chr7 | 99748001 | 99753000 | 9.04E-15    |
| chr7 | 99838001 | 99843000 | 1.48E-08    |
| chr7 | 99840001 | 99845000 | 1.27E-11    |
| chr7 | 100728001| 100733000| 1.65E-22    |
| chr7 | 100729001| 100734000| 4.84E-12    |
| chr7 | 100992001| 100997000| 6.33E-07    |
| chr7 | 101372001| 101377000| 7.05E-10    |
| chr7 | 101373001| 101378000| 1.28E-08    |
| chr7 | 101510001| 101515000| 3.17E-10    |
| chr7 | 101511001| 101516000| 8.32E-11    |
| chr7 | 102189001| 102194000| 0.00528632  |
| chr7 | 102190001| 102195000| 0.001566503 |
| chr7 | 102191001| 102196000| 0.000589117 |
| chr7 | 102630001| 102635000| 1.40E-05    |
| chr7 | 102989001| 102994000| 2.08E-13    |
| chr7 | 103214001| 103219000| 1.21E-13    |
| chr7 | 103251001| 103256000| 6.14E-07    |
| chr7 | 103252001| 103257000| 1.91E-08    |
| chr7 | 103253001| 103258000| 2.38E-06    |
| chr7 | 103254001| 103259000| 0.000685726 |
| chr7 | 103255001| 103260000| 2.50E-05    |
| chr7 | 103267001| 103272000| 0.005492014 |
| chr7 | 103360001| 103365000| 1.34E-05    |
| chr7 | 103361001| 103366000| 6.44E-05    |
| chr7 | 103362001| 103367000| 4.05E-05    |
| Chr | Start | End   | Score |
|-----|-------|-------|-------|
| chr7 | 103363001 | 103368000 | 0.000101966 |
| chr7 | 103369001 | 103374000 | 0.000129569 |
| chr7 | 103442001 | 103447000 | 0.00155677 |
| chr7 | 103491001 | 103496000 | 0.000316454 |
| chr7 | 103541001 | 103546000 | 3.37E-06 |
| chr7 | 103542001 | 103547000 | 2.38E-06 |
| chr7 | 103561001 | 103566000 | 1.49E-05 |
| chr7 | 103562001 | 103567000 | 0.000120068 |
| chr7 | 103672001 | 103677000 | 0.000246973 |
| chr7 | 103673001 | 103678000 | 0.00055992 |
| chr7 | 104086001 | 104091000 | 0.000738785 |
| chr7 | 104591001 | 104596000 | 1.28E-08 |
| chr7 | 104593001 | 104598000 | 2.31E-09 |
| chr7 | 104647001 | 104652000 | 1.26E-18 |
| chr7 | 105448001 | 105453000 | 4.90E-20 |
| chr7 | 106188001 | 106193000 | 0.001127185 |
| chr7 | 106689001 | 106694000 | 1.19E-06 |
| chr7 | 106771001 | 106776000 | 0.000185746 |
| chr7 | 106772001 | 106777000 | 0.000897121 |
| chr7 | 106800001 | 106805000 | 7.84E-06 |
| chr7 | 107360001 | 107365000 | 1.50E-08 |
| chr7 | 107361001 | 107366000 | 1.51E-13 |
| chr7 | 107362001 | 107367000 | 1.22E-09 |
| chr7 | 107682001 | 107687000 | 9.41E-06 |
| chr7 | 107691001 | 107696000 | 5.19E-11 |
| chr7 | 107783001 | 107788000 | 9.87E-11 |
| chr7 | 107892001 | 107897000 | 9.28E-27 |
| chr7 | 107893001 | 107898000 | 1.85E-22 |
| chr7 | 107894001 | 107899000 | 4.92E-27 |
| chr7 | 108229001 | 108234000 | 4.02E-07 |
| chr7 | 108230001 | 108235000 | 1.76E-08 |
| chr7 | 108251001 | 108256000 | 3.84E-10 |
| chr7 | 108252001 | 108257000 | 0.000366285 |
| chr7 | 108610001 | 108615000 | 0.000962968 |
| chr7 | 108611001 | 108616000 | 0.00022975 |
| chr7 | 108690001 | 108694000 | 0.002158607 |
| chr7 | 109179001 | 109184000 | 2.92E-06 |
| chr7 | 109180001 | 109185000 | 2.83E-08 |
| chr7 | 109181001 | 109186000 | 2.17E-07 |
| chr7 | 109182001 | 109187000 | 0.018344583 |
| chr7 | 109308001 | 109313000 | 3.12E-07 |
| chr7 | 109309001 | 109314000 | 2.28E-07 |
| chr7 | 109310001 | 109315000 | 2.60E-07 |
| chr7 | 109505001 | 109510000 | 0.000180048 |
| chr7 | 109544001 | 109549000 | 5.22E-08 |
| chr7 | 109634001 | 109639000 | 5.67E-05 |
| chr7 | 109732001 | 109737000 | 0.018620318 |
| Chromosome | Start Position | End Position | Log10(P) |
|------------|----------------|--------------|----------|
| chr7       | 109770001      | 109775000    | 1.40E-06 |
| chr7       | 109772001      | 109777000    | 5.35E-06 |
| chr7       | 109779001      | 109784000    | 0.001531178 |
| chr7       | 109780001      | 109785000    | 0.002890876 |
| chr7       | 109781001      | 109786000    | 0.000853684 |
| chr7       | 109790001      | 109795000    | 2.51E-05 |
| chr7       | 109791001      | 109796000    | 5.57E-05 |
| chr7       | 109792001      | 109797000    | 0.000531622 |
| chr7       | 109793001      | 109798000    | 0.000238326 |
| chr7       | 109794001      | 109799000    | 0.000280736 |
| chr7       | 109856001      | 109861000    | 0.001026001 |
| chr7       | 109857001      | 109862000    | 8.90E-06 |
| chr7       | 109858001      | 109863000    | 1.59E-05 |
| chr7       | 109859001      | 109864000    | 0.00698269 |
| chr7       | 109900001      | 109905000    | 1.16E-09 |
| chr7       | 109901001      | 109906000    | 4.38E-10 |
| chr7       | 109903001      | 109908000    | 1.84E-09 |
| chr7       | 109904001      | 109909000    | 0.000282788 |
| chr7       | 109973001      | 109978000    | 7.53E-15 |
| chr7       | 109974001      | 109979000    | 1.04E-14 |
| chr7       | 109975001      | 109980000    | 0.00109487 |
| chr7       | 109979001      | 109984000    | 3.36E-09 |
| chr7       | 109996001      | 110001000    | 1.21E-06 |
| chr7       | 110054001      | 110059000    | 7.50E-10 |
| chr7       | 110055001      | 110060000    | 1.52E-08 |
| chr7       | 110221001      | 110226000    | 4.15E-12 |
| chr7       | 110244001      | 110249000    | 2.39E-06 |
| chr7       | 110649001      | 110654000    | 1.73E-06 |
| chr7       | 111316001      | 111321000    | 6.95E-06 |
| chr7       | 111752001      | 111757000    | 1.39E-08 |
| chr7       | 111753001      | 111758000    | 5.90E-06 |
| chr7       | 112000001      | 112005000    | 4.35E-13 |
| chr7       | 112845001      | 112850000    | 0.00018034 |
| chr7       | 113027001      | 113032000    | 0.00084736 |
| chr7       | 113028001      | 113033000    | 5.89E-05 |
| chr7       | 113420001      | 113425000    | 6.70E-07 |
| chr7       | 113439001      | 113444000    | 0.0006585 |
| chr7       | 113658001      | 113663000    | 0.000309309 |
| chr7       | 113666001      | 113671000    | 0.002592559 |
| chr7       | 113667001      | 113672000    | 0.003643444 |
| chr7       | 114166001      | 114171000    | 0.000954498 |
| chr7       | 114194001      | 114199000    | 2.43E-08 |
| chr7       | 114195001      | 114200000    | 2.07E-08 |
| chr7       | 114350001      | 114355000    | 5.12E-07 |
| chr7       | 114351001      | 114356000    | 0.00015135 |
| chr7       | 114403001      | 114408000    | 1.79E-11 |
| chr7       | 114405001      | 114410000    | 3.30E-10 |
| chr7       | 114440001      | 114445000    | 0.000247514 |
| Chromosome | Start Position | End Position | Score   |
|------------|----------------|--------------|---------|
| chr7       | 115321001      | 115326000    | 0.016932928 |
| chr7       | 115498001      | 115503000    | 0.001455922 |
| chr7       | 115658001      | 115663000    | 3.28E-06   |
| chr7       | 115659001      | 115664000    | 4.58E-06   |
| chr7       | 115678001      | 115683000    | 3.76E-06   |
| chr7       | 115679001      | 115684000    | 3.76E-06   |
| chr7       | 115898001      | 115903000    | 0.00182474 |
| chr7       | 116299001      | 116304000    | 2.85E-05   |
| chr7       | 116446001      | 116451000    | 1.20E-05   |
| chr7       | 116447001      | 116452000    | 1.50E-05   |
| chr7       | 116757001      | 116762000    | 1.94E-06   |
| chr7       | 116758001      | 116763000    | 1.94E-06   |
| chr7       | 116759001      | 116764000    | 1.27E-07   |
| chr7       | 116951001      | 116956000    | 0.00179687 |
| chr7       | 116952001      | 116957000    | 0.000159215 |
| chr7       | 117077001      | 117082000    | 8.01E-06   |
| chr7       | 117078001      | 117083000    | 8.06E-05   |
| chr7       | 117079001      | 117084000    | 3.25E-07   |
| chr7       | 117896001      | 117901000    | 0.001815642 |
| chr7       | 117897001      | 117902000    | 1.22E-05   |
| chr7       | 117936001      | 117941000    | 0.003879285 |
| chr7       | 117947001      | 117952000    | 2.82E-05   |
| chr7       | 117948001      | 117953000    | 1.06E-05   |
| chr7       | 117962001      | 117967000    | 0.00416834 |
| chr7       | 118098001      | 118103000    | 0.000573124 |
| chr7       | 118099001      | 118104000    | 0.003298653 |
| chr7       | 118141001      | 118146000    | 0.000733364 |
| chr7       | 118225001      | 118230000    | 0.000117969 |
| chr7       | 118226001      | 118231000    | 9.00E-05   |
| chr7       | 118227001      | 118232000    | 5.59E-06   |
| chr7       | 118228001      | 118233000    | 2.50E-05   |
| chr7       | 118475001      | 118480000    | 0.001100866 |
| chr7       | 118622001      | 118627000    | 4.44E-06   |
| chr7       | 119091001      | 119096000    | 0.000126202 |
| chr7       | 119117001      | 119122000    | 9.65E-05   |
| chr7       | 119460001      | 119465000    | 5.39E-06   |
| chr7       | 120359001      | 120364000    | 1.87E-10   |
| chr7       | 120360001      | 120365000    | 2.06E-08   |
| chr7       | 120361001      | 120366000    | 6.99E-11   |
| chr7       | 120554001      | 120559000    | 3.57E-06   |
| chr7       | 120555001      | 120560000    | 4.95E-07   |
| chr7       | 121937001      | 121942000    | 3.98E-16   |
| chr7       | 122070001      | 122075000    | 0.00240073 |
| chr7       | 122699001      | 122704000    | 0.005821696 |
| chr7       | 122962001      | 122967000    | 0.00011737 |
| chr7       | 122963001      | 122968000    | 2.66E-05   |
| chr7       | 122964001      | 122969000    | 8.78E-05   |
| chr7       | 123053001      | 123058000    | 0.008079968 |
| Chromosome | Start Base | End Base | Log10(P-Value) |
|------------|------------|----------|----------------|
| chr7       | 123424001  | 123429000| 0.001139401    |
| chr7       | 123606001  | 123611000| 4.05E-05       |
| chr7       | 123607001  | 123612000| 0.000323394    |
| chr7       | 123709001  | 123714000| 1.64E-06       |
| chr7       | 123710001  | 123715000| 8.29E-06       |
| chr7       | 123711001  | 123716000| 9.88E-07       |
| chr7       | 123712001  | 123717000| 8.25E-06       |
| chr7       | 123713001  | 123718000| 8.06E-05       |
| chr7       | 123714001  | 123719000| 9.96E-06       |
| chr7       | 123720001  | 123725000| 3.52E-05       |
| chr7       | 123721001  | 123726000| 1.90E-06       |
| chr7       | 123870001  | 123875000| 2.56E-05       |
| chr7       | 123871001  | 123876000| 2.64E-05       |
| chr7       | 123872001  | 123877000| 8.06E-05       |
| chr7       | 123873001  | 123878000| 8.06E-05       |
| chr7       | 124130001  | 124135000| 7.05E-05       |
| chr7       | 124140001  | 124145000| 9.68E-07       |
| chr7       | 124850001  | 124855000| 0.001728608    |
| chr7       | 124893001  | 124898000| 7.17E-05       |
| chr7       | 124894001  | 124899000| 2.64E-05       |
| chr7       | 124964001  | 124969000| 8.88E-08       |
| chr7       | 124965001  | 124970000| 2.12E-07       |
| chr7       | 125066001  | 125071000| 6.50E-06       |
| chr7       | 125361001  | 125366000| 5.66E-05       |
| chr7       | 125362001  | 125367000| 2.34E-05       |
| chr7       | 125363001  | 125368000| 2.31E-06       |
| chr7       | 125364001  | 125369000| 3.36E-06       |
| chr7       | 125625001  | 125630000| 1.32E-06       |
| chr7       | 125940001  | 125945000| 0.000397661    |
| chr7       | 126024001  | 126029000| 0.00035625     |
| chr7       | 126068001  | 126073000| 0.000154946    |
| chr7       | 126090001  | 126095000| 3.17E-05       |
| chr7       | 126091001  | 126096000| 7.70E-05       |
| chr7       | 126092001  | 126097000| 3.64E-06       |
| chr7       | 126093001  | 126098000| 0.000156205    |
| chr7       | 126122001  | 126127000| 3.44E-06       |
| chr7       | 127273001  | 127278000| 5.88E-05       |
| chr7       | 127904001  | 127909000| 1.89E-06       |
| chr7       | 128162001  | 128167000| 5.18E-10       |
| chr7       | 128163001  | 128168000| 2.46E-10       |
| chr7       | 128309001  | 128314000| 4.17E-11       |
| chr7       | 128496001  | 128501000| 4.44E-05       |
| chr7       | 128979001  | 128984000| 5.98E-09       |
| chr7       | 129609001  | 129614000| 0.002245813    |
| chr7       | 130574001  | 130579000| 1.47E-09       |
| chr7       | 130583001  | 130588000| 6.92E-18       |
| chr7       | 130584001  | 130589000| 4.37E-07       |
| chr7       | 130585001  | 130590000| 2.85E-06       |
| chr7       | 130591001  | 130596000| 1.12E-15       |
| chr7       | 130592001  | 130597000| 3.80E-15       |
| chr7       | 130593001  | 130598000| 6.66E-23       |
| chr7  |       |       |          |
|-------|-------|-------|----------|
| 130678001 | 130683000 | 4.86E-11 |
| 130739001 | 130744000 | 3.12E-10  |
| 130742001 | 130747000 | 4.08E-13  |
| 131432001 | 131437000 | 6.58E-10  |
| 131433001 | 131438000 | 0.000460277 |
| 134313001 | 134318000 | 0.000260101 |
| 134693001 | 134698000 | 0.004372401 |
| 135559001 | 135564000 | 0.000444444 |
| 137795001 | 137800000 | 0.000296455 |
| 138408001 | 138413000 | 0.000260101 |
| 138759001 | 138764000 | 0.000260101 |
| 140173001 | 140178000 | 0.000260101 |
| 140289001 | 140294000 | 0.000260101 |
| 140574001 | 140579000 | 0.000260101 |
| 141783001 | 141788000 | 0.000260101 |
| 141860001 | 141865000 | 0.000260101 |
| 141885001 | 141890000 | 0.000260101 |
| 141886001 | 141891000 | 0.000260101 |
| 141887001 | 141892000 | 0.000260101 |
| 141888001 | 141893000 | 0.000260101 |
| 141889001 | 141894000 | 0.000260101 |
| 141890001 | 141900000 | 0.000260101 |
| 142594001 | 142599000 | 0.000260101 |
| 143177001 | 143182000 | 0.000260101 |
| 143649001 | 143654000 | 0.000260101 |
| 144521001 | 144526000 | 0.000260101 |
| 144524001 | 144529000 | 0.000260101 |
| 144605001 | 144610000 | 0.000260101 |
| 144757001 | 144762000 | 0.000260101 |
| 144758001 | 144763000 | 0.000260101 |
| 144759001 | 144764000 | 0.000260101 |
| 144760001 | 144765000 | 0.000260101 |
| 144793001 | 144798000 | 0.000260101 |
| 144794001 | 144799000 | 0.000260101 |
| 144795001 | 144800000 | 0.000260101 |
| 144796001 | 144801000 | 0.000260101 |
| 144889001 | 144894000 | 0.000260101 |
| 144961001 | 144966000 | 0.000260101 |
| 145122001 | 145127000 | 0.000260101 |
| 145143001 | 145148000 | 0.000260101 |
| 145144001 | 145149000 | 0.000260101 |
| 145185001 | 145190000 | 0.000260101 |
| 145285001 | 145290000 | 0.000260101 |
| 145572001 | 145577000 | 0.000260101 |
| 145862001 | 145867000 | 0.000260101 |
| Chromosome | Start Position | End Position | p-value  |
|------------|----------------|--------------|----------|
| chr7       | 145935001      | 145940000    | 2.94E-06 |
| chr7       | 146016001      | 146021000    | 0.001514019 |
| chr7       | 146017001      | 146022000    | 0.001487435 |
| chr7       | 146018001      | 146023000    | 0.001617219 |
| chr7       | 146160001      | 146165000    | 0.000390216 |
| chr7       | 146161001      | 146166000    | 0.000194532 |
| chr7       | 146174001      | 146179000    | 5.57E-10 |
| chr7       | 146175001      | 146180000    | 1.90E-09 |
| chr7       | 146194001      | 146199000    | 0.01825622 |
| chr7       | 146487001      | 146492000    | 5.67E-09 |
| chr7       | 146488001      | 146493000    | 3.75E-08 |
| chr7       | 146531001      | 146536000    | 0.00706738 |
| chr7       | 146552001      | 146557000    | 6.05E-06 |
| chr7       | 146553001      | 146558000    | 3.67E-07 |
| chr7       | 146586001      | 146591000    | 0.00022149 |
| chr7       | 146587001      | 146592000    | 0.000309206 |
| chr7       | 146638001      | 146643000    | 3.90E-07 |
| chr7       | 146639001      | 146644000    | 3.75E-07 |
| chr7       | 146640001      | 146645000    | 4.72E-07 |
| chr7       | 146799001      | 146804000    | 2.03E-07 |
| chr7       | 146992001      | 146997000    | 0.00127218 |
| chr7       | 146993001      | 146998000    | 7.09E-05 |
| chr7       | 147122001      | 147127000    | 0.000885083 |
| chr7       | 147123001      | 147128000    | 0.000807396 |
| chr7       | 147124001      | 147129000    | 0.004019419 |
| chr7       | 147260001      | 147265000    | 1.51E-05 |
| chr7       | 147543001      | 147548000    | 4.44E-06 |
| chr7       | 148720001      | 148725000    | 7.32E-18 |
| chr7       | 149421001      | 149426000    | 0.001240111 |
| chr7       | 150049001      | 150054000    | 2.88E-20 |
| chr7       | 150050001      | 150055000    | 3.69E-18 |
| chr7       | 150051001      | 150056000    | 3.34E-11 |
| chr7       | 150077001      | 150082000    | 2.02E-15 |
| chr7       | 150479001      | 150484000    | 1.81E-05 |
| chr7       | 150480001      | 150485000    | 2.41E-05 |
| chr7       | 150821001      | 150826000    | 0.001136188 |
| chr7       | 150937001      | 150942000    | 1.09E-09 |
| chr7       | 150965001      | 150970000    | 9.26E-09 |
| chr7       | 151124001      | 151129000    | 8.16E-07 |
| chr7       | 152281001      | 152286000    | 1.97E-05 |
| chr7       | 154266001      | 154271000    | 0.006582026 |
| chr7       | 154267001      | 154272000    | 0.000252952 |
| chr7       | 154268001      | 154273000    | 4.98E-05 |
| chr7       | 155292001      | 155297000    | 5.43E-07 |
| chr7       | 155293001      | 155298000    | 1.77E-05 |
| chr7       | 155294001      | 155299000    | 9.13E-05 |
| chr7       | 155605001      | 155610000    | 4.70E-05 |
| chr7       | 158510001      | 158515000    | 5.44E-05 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr7       | 158511001      | 158516000    | 0.000686501 |
| chr8       | 177001         | 182000       | 4.83E-12  |
| chr8       | 1952001        | 1957000      | 1.38E-16  |
| chr8       | 1953001        | 1958000      | 3.17E-10  |
| chr8       | 3079001        | 3084000      | 1.33E-07  |
| chr8       | 3080001        | 3085000      | 2.89E-09  |
| chr8       | 3082001        | 3087000      | 1.75E-13  |
| chr8       | 4109001        | 4114000      | 6.99E-07  |
| chr8       | 5864001        | 5869000      | 0.000480813 |
| chr8       | 6092001        | 6097000      | 8.71E-06  |
| chr8       | 7684001        | 7689000      | 0.00955559 |
| chr8       | 7685001        | 7690000      | 0.015258169 |
| chr8       | 7686001        | 7691000      | 0.005067341 |
| chr8       | 7704001        | 7709000      | 0.008172142 |
| chr8       | 7768001        | 7773000      | 2.30E-06  |
| chr8       | 7770001        | 7775000      | 6.10E-07  |
| chr8       | 8515001        | 8520000      | 2.84E-06  |
| chr8       | 8586001        | 8591000      | 8.83E-07  |
| chr8       | 8932001        | 8937000      | 3.83E-09  |
| chr8       | 9010001        | 9015000      | 3.99E-26  |
| chr8       | 9011001        | 9016000      | 1.68E-26  |
| chr8       | 9012001        | 9017000      | 2.57E-21  |
| chr8       | 9013001        | 9018000      | 4.91E-10  |
| chr8       | 9122001        | 9127000      | 0.003721727 |
| chr8       | 9247001        | 9252000      | 3.89E-06  |
| chr8       | 10456001       | 10461000     | 5.99E-06  |
| chr8       | 10457001       | 10462000     | 4.99E-08  |
| chr8       | 10458001       | 10463000     | 2.43E-06  |
| chr8       | 10459001       | 10464000     | 1.48E-06  |
| chr8       | 10595001       | 10600000     | 0.000490217 |
| chr8       | 10596001       | 10601000     | 7.94E-07  |
| chr8       | 11299001       | 11304000     | 2.17E-08  |
| chr8       | 12649001       | 12654000     | 1.30E-12  |
| chr8       | 12762001       | 12767000     | 0.000168858 |
| chr8       | 12765001       | 12770000     | 1.12E-07  |
| chr8       | 12766001       | 12771000     | 1.36E-10  |
| chr8       | 12794001       | 12799000     | 0.000239061 |
| chr8       | 14714001       | 14719000     | 0.004053854 |
| chr8       | 14715001       | 14720000     | 0.00759757 |
| chr8       | 15133001       | 15138000     | 3.64E-09  |
| chr8       | 15134001       | 15139000     | 1.52E-06  |
| chr8       | 15248001       | 15253000     | 0.003560837 |
| chr8       | 16118001       | 16123000     | 0.000702841 |
| chr8       | 16587001       | 16592000     | 0.008799835 |
| chr8       | 16588001       | 16593000     | 0.003993803 |
| chr8       | 16589001       | 16594000     | 0.000273712 |
| chr8       | 16898001       | 16903000     | 8.61E-06  |
| chr8       | 17346001       | 17351000     | 9.37E-07  |
| Chromosome | Start | End | Value     |
|------------|-------|-----|-----------|
| chr8       | 17347001 | 17352000 | 8.90E-09   |
| chr8       | 18022001 | 18027000 | 2.01E-05   |
| chr8       | 18899001 | 18904000 | 0.000536205 |
| chr8       | 18949001 | 18954000 | 1.25E-06   |
| chr8       | 18950001 | 18955000 | 3.01E-09   |
| chr8       | 18951001 | 18956000 | 1.11E-08   |
| chr8       | 18952001 | 18957000 | 7.40E-05   |
| chr8       | 18997001 | 19002000 | 7.29E-08   |
| chr8       | 19124001 | 19129000 | 7.72E-05   |
| chr8       | 19125001 | 19130000 | 2.28E-05   |
| chr8       | 19135001 | 19140000 | 2.87E-05   |
| chr8       | 20488001 | 20493000 | 4.18E-08   |
| chr8       | 20489001 | 20494000 | 2.29E-05   |
| chr8       | 20491001 | 20496000 | 4.18E-08   |
| chr8       | 20534001 | 20539000 | 0.00495069 |
| chr8       | 21133001 | 21138000 | 2.28E-05   |
| chr8       | 21135001 | 21140000 | 2.87E-05   |
| chr8       | 22024001 | 22029000 | 2.27E-05   |
| chr8       | 22070001 | 22075000 | 4.46E-07   |
| chr8       | 23706001 | 23711000 | 4.72E-14   |
| chr8       | 23713001 | 23718000 | 1.13E-05   |
| chr8       | 23714001 | 23719000 | 5.78E-06   |
| chr8       | 23715001 | 23720000 | 4.32E-07   |
| chr8       | 23740001 | 23745000 | 8.41E-06   |
| chr8       | 23741001 | 23746000 | 0.00243943 |
| chr8       | 23742001 | 23747000 | 0.003259748 |
| chr8       | 23771001 | 23776000 | 1.01E-05   |
| chr8       | 23773001 | 23778000 | 3.94E-07   |
| chr8       | 23774001 | 23779000 | 5.40E-07   |
| chr8       | 23831001 | 23836000 | 3.18E-09   |
| chr8       | 25951001 | 25956000 | 0.01617256 |
| chr8       | 25957001 | 25962000 | 0.037006064 |
| chr8       | 26007001 | 26012000 | 9.69E-05   |
| chr8       | 27700001 | 27705000 | 1.03E-06   |
| chr8       | 27753001 | 27758000 | 7.27E-06   |
| chr8       | 27951001 | 27956000 | 3.13E-21   |
| chr8       | 27972001 | 27977000 | 1.23E-10   |
| chr8       | 28322001 | 28327000 | 8.22E-10   |
| chr8       | 28323001 | 28328000 | 1.02E-08   |
| chr8       | 28324001 | 28329000 | 1.73E-07   |
| chr8       | 28485001 | 28490000 | 3.62E-10   |
| chr8       | 28486001 | 28491000 | 1.77E-09   |
| chr8       | 28488001 | 28493000 | 3.31E-11   |
| chr8       | 29753001 | 29758000 | 1.72E-10   |
| chr8       | 29754001 | 29759000 | 9.64E-10   |
| chr8       | 29755001 | 29760000 | 1.17E-07   |
| chr8       | 29814001 | 29819000 | 0.003439922 |
| chr8       | 29905001 | 29910000 | 3.71E-07   |
| chr8       | 29906001 | 29911000 | 1.16E-05   |
| Chr  | Start  | End    | P-value  |
|------|--------|--------|----------|
| chr8 | 29932001 | 29937000 | 1.49E-05 |
| chr8 | 29945001 | 29950000 | 4.28E-08 |
| chr8 | 29947001 | 29950000 | 1.25E-08 |
| chr8 | 29978001 | 29983000 | 6.53E-05 |
| chr8 | 30389001 | 30394000 | 2.05E-05 |
| chr8 | 30520001 | 30525000 | 4.57E-10 |
| chr8 | 30521001 | 30526000 | 3.41E-07 |
| chr8 | 30756001 | 30761000 | 2.55E-05 |
| chr8 | 30816001 | 30821000 | 0.008690968 |
| chr8 | 30817001 | 30822000 | 0.018951848 |
| chr8 | 31038001 | 31043000 | 3.42E-10 |
| chr8 | 31435001 | 31440000 | 2.65E-07 |
| chr8 | 31500001 | 31505000 | 0.000993559 |
| chr8 | 31518001 | 31523000 | 0.00100569 |
| chr8 | 31520001 | 31525000 | 0.000105206 |
| chr8 | 31622001 | 31627000 | 1.16E-05 |
| chr8 | 31624001 | 31629000 | 0.000299563 |
| chr8 | 31635001 | 31640000 | 8.83E-05 |
| chr8 | 31650001 | 31655000 | 5.88E-08 |
| chr8 | 31651001 | 31656000 | 2.19E-07 |
| chr8 | 31652001 | 31657000 | 2.26E-07 |
| chr8 | 31756001 | 31761000 | 2.82E-09 |
| chr8 | 31757001 | 31762000 | 6.49E-09 |
| chr8 | 31819001 | 31824000 | 4.47E-06 |
| chr8 | 31821001 | 31826000 | 0.000102932 |
| chr8 | 31822001 | 31827000 | 3.84E-07 |
| chr8 | 31837001 | 31842000 | 0.001956047 |
| chr8 | 31838001 | 31843000 | 0.002032388 |
| chr8 | 31845001 | 31850000 | 0.000283286 |
| chr8 | 31858001 | 31863000 | 0.000121559 |
| chr8 | 31911001 | 31916000 | 5.71E-05 |
| chr8 | 31912001 | 31917000 | 4.49E-07 |
| chr8 | 31913001 | 31918000 | 0.007306804 |
| chr8 | 31914001 | 31919000 | 9.69E-05 |
| chr8 | 32408001 | 32413000 | 0.000691045 |
| chr8 | 32726001 | 32731000 | 0.00147105 |
| chr8 | 32727001 | 32732000 | 6.22E-05 |
| chr8 | 32962001 | 32967000 | 0.000297015 |
| chr8 | 33091001 | 33096000 | 2.89E-07 |
| chr8 | 33321001 | 33326000 | 0.000445735 |
| chr8 | 33427001 | 33432000 | 3.60E-08 |
| chr8 | 33785001 | 33790000 | 0.002097283 |
| chr8 | 34481001 | 34486000 | 9.04E-05 |
| chr8 | 34623001 | 34628000 | 4.87E-07 |
| chr8 | 34785001 | 34790000 | 0.005638605 |
| chr8 | 34799001 | 34804000 | 0.00190483 |
| chr8 | 34815001 | 34820000 | 0.0014574 |
| chr8 | 34835001 | 34840000 | 2.75E-05 |
| chr8 | 34844001 | 34849000 | 8.32E-08 |
| chr8 | 34845001 | 34850000 | 2.89E-09 |
| chr8 | 34862001 | 34867000 | 0.00213527 |
| chr8 | 34863001 | 34868000 | 0.000652479 |
| chr8 | 34889001 | 34894000 | 0.001214832 |
| chr8 | 34910001 | 34915000 | 0.003138739 |
| chr8 | 34925001 | 34930000 | 0.0002642863 |
| chr8 | 34967001 | 34972000 | 0.007703453 |
| chr8 | 35000001 | 35005000 | 2.73E-05 |
| chr8 | 35001001 | 35006000 | 5.18E-05 |
| chr8 | 35002001 | 35007000 | 1.30E-05 |
| chr8 | 35003001 | 35008000 | 3.05E-05 |
| chr8 | 35004001 | 35009000 | 3.38E-06 |
| chr8 | 35252001 | 35257000 | 0.000216582 |
| chr8 | 35647001 | 35652000 | 0.000590013 |
| chr8 | 36351001 | 36356000 | 0.000964692 |
| chr8 | 36352001 | 36357000 | 0.000701355 |
| chr8 | 37638001 | 37643000 | 1.01E-10 |
| chr8 | 37751001 | 37756000 | 4.98E-15 |
| chr8 | 37780001 | 37785000 | 9.80E-11 |
| chr8 | 37781001 | 37786000 | 2.08E-16 |
| chr8 | 37782001 | 37787000 | 4.87E-15 |
| chr8 | 38035001 | 38040000 | 1.80E-20 |
| chr8 | 38388001 | 38393000 | 8.50E-07 |
| chr8 | 38603001 | 38608000 | 8.33E-06 |
| chr8 | 38632001 | 38637000 | 1.39E-10 |
| chr8 | 38806001 | 38811000 | 1.22E-11 |
| chr8 | 38807001 | 38812000 | 3.00E-08 |
| chr8 | 39927001 | 39932000 | 7.38E-07 |
| chr8 | 39928001 | 39933000 | 2.47E-06 |
| chr8 | 39962001 | 39967000 | 0.008100767 |
| chr8 | 40011001 | 40016000 | 2.13E-26 |
| chr8 | 40012001 | 40017000 | 1.52E-28 |
| chr8 | 40013001 | 40018000 | 5.77E-15 |
| chr8 | 40165001 | 40170000 | 2.42E-05 |
| chr8 | 40166001 | 40171000 | 3.70E-06 |
| chr8 | 40557001 | 40562000 | 6.64E-08 |
| chr8 | 40558001 | 40563000 | 2.38E-09 |
| chr8 | 40709001 | 40714000 | 8.19E-09 |
| chr8 | 41369001 | 41374000 | 6.12E-07 |
| chr8 | 41478001 | 41483000 | 2.18E-21 |
| chr8 | 41479001 | 41484000 | 4.60E-18 |
| chr8 | 41480001 | 41485000 | 1.72E-18 |
| chr8 | 43091001 | 43096000 | 4.08E-08 |
| chr8 | 43591001 | 43596000 | 2.21E-06 |
| chr8 | 43592001 | 43597000 | 4.52E-06 |
| chr8 | 43593001 | 43598000 | 0.000176183 |
| chr8 | 43594001 | 43599000 | 0.000207149 |
| Chromosome | Start Base | End Base | P-Value |
|------------|------------|----------|---------|
| chr8       | 43595001   | 43600000 | 0.000395093 |
| chr8       | 43631001   | 43636000 | 9.89E-06 |
| chr8       | 43632001   | 43637000 | 5.04E-05 |
| chr8       | 43633001   | 43638000 | 1.92E-05 |
| chr8       | 43634001   | 43639000 | 0.001644977 |
| chr8       | 43637001   | 43642000 | 0.002352866 |
| chr8       | 43640001   | 43645000 | 8.02E-05 |
| chr8       | 43641001   | 43646000 | 7.85E-05 |
| chr8       | 43671001   | 43676000 | 1.11E-05 |
| chr8       | 47484001   | 47489000 | 3.10E-08 |
| chr8       | 48288001   | 48293000 | 7.33E-10 |
| chr8       | 48289001   | 48294000 | 1.12E-13 |
| chr8       | 48290001   | 48295000 | 2.84E-17 |
| chr8       | 48291001   | 48296000 | 2.31E-17 |
| chr8       | 48292001   | 48297000 | 7.74E-15 |
| chr8       | 49131001   | 49136000 | 2.63E-06 |
| chr8       | 49846001   | 49851000 | 0.000585479 |
| chr8       | 49847001   | 49852000 | 0.001297116 |
| chr8       | 49888001   | 49893000 | 9.06E-41 |
| chr8       | 49889001   | 49894000 | 2.57E-52 |
| chr8       | 49890001   | 49895000 | 5.46E-68 |
| chr8       | 49891001   | 49896000 | 5.27E-20 |
| chr8       | 49892001   | 49897000 | 5.94E-12 |
| chr8       | 49893001   | 49898000 | 1.19E-08 |
| chr8       | 49899001   | 49904000 | 0.000127638 |
| chr8       | 49921001   | 49926000 | 6.76E-07 |
| chr8       | 50033001   | 50038000 | 0.000172807 |
| chr8       | 50034001   | 50039000 | 0.000116271 |
| chr8       | 50035001   | 50040000 | 0.000276991 |
| chr8       | 50043001   | 50048000 | 1.06E-07 |
| chr8       | 50096001   | 50101000 | 6.19E-05 |
| chr8       | 50097001   | 50102000 | 0.000144993 |
| chr8       | 50098001   | 50103000 | 0.000188615 |
| chr8       | 50099001   | 50104000 | 2.90E-07 |
| chr8       | 50155001   | 50160000 | 0.000437493 |
| chr8       | 50156001   | 50161000 | 0.000314545 |
| chr8       | 50157001   | 50162000 | 0.001178884 |
| chr8       | 50158001   | 50163000 | 7.57E-05 |
| chr8       | 50204001   | 50209000 | 2.79E-16 |
| chr8       | 50205001   | 50210000 | 4.87E-15 |
| chr8       | 50206001   | 50211000 | 1.46E-15 |
| chr8       | 50207001   | 50212000 | 4.08E-15 |
| chr8       | 50208001   | 50213000 | 1.65E-13 |
| chr8       | 50233001   | 50238000 | 2.88E-08 |
| chr8       | 50237001   | 50242000 | 0.00316548 |
| chr8       | 50238001   | 50243000 | 2.03E-06 |
| chr8       | 50239001   | 50244000 | 2.61E-06 |
| Chromosome | Start | End   | Value      |
|------------|-------|-------|------------|
| chr8       | 50240001 | 50245000 | 2.52E-07   |
| chr8       | 50241001 | 50246000 | 1.26E-08   |
| chr8       | 50254001 | 50259000 | 9.09E-10   |
| chr8       | 50351001 | 50356000 | 0.000925515 |
| chr8       | 50353001 | 50358000 | 0.000102415 |
| chr8       | 50365001 | 50370000 | 0.00019788 |
| chr8       | 50412001 | 50417000 | 1.06E-05   |
| chr8       | 50413001 | 50418000 | 1.89E-07   |
| chr8       | 50448001 | 50453000 | 6.90E-10   |
| chr8       | 50450001 | 50455000 | 1.53E-08   |
| chr8       | 50514001 | 50519000 | 0.000346552 |
| chr8       | 50515001 | 50520000 | 0.000361028 |
| chr8       | 50516001 | 50521000 | 1.25E-05   |
| chr8       | 50517001 | 50522000 | 4.26E-05   |
| chr8       | 50592001 | 50597000 | 1.25E-06   |
| chr8       | 50593001 | 50598000 | 0.002112411 |
| chr8       | 50604001 | 50609000 | 5.83E-06   |
| chr8       | 50679001 | 50684000 | 0.021825014 |
| chr8       | 50719001 | 50724000 | 0.000110797 |
| chr8       | 50720001 | 50725000 | 7.47E-06   |
| chr8       | 50836001 | 50841000 | 1.59E-06   |
| chr8       | 50837001 | 50842000 | 7.13E-06   |
| chr8       | 50838001 | 50843000 | 7.28E-05   |
| chr8       | 50867001 | 50872000 | 7.90E-09   |
| chr8       | 50868001 | 50873000 | 8.11E-07   |
| chr8       | 50878001 | 50883000 | 0.001145876 |
| chr8       | 50887001 | 50892000 | 1.10E-11   |
| chr8       | 50888001 | 50893000 | 3.55E-18   |
| chr8       | 50889001 | 50894000 | 3.40E-20   |
| chr8       | 50890001 | 50895000 | 3.54E-18   |
| chr8       | 50891001 | 50896000 | 2.31E-15   |
| chr8       | 50892001 | 50897000 | 3.76E-13   |
| chr8       | 50893001 | 50898000 | 1.28E-08   |
| chr8       | 50894001 | 50899000 | 3.48E-08   |
| chr8       | 50895001 | 50900000 | 9.78E-09   |
| chr8       | 50908001 | 50913000 | 6.37E-06   |
| chr8       | 50909001 | 50914000 | 2.41E-09   |
| chr8       | 50910001 | 50915000 | 3.80E-11   |
| chr8       | 50911001 | 50916000 | 6.61E-14   |
| chr8       | 50912001 | 50917000 | 1.55E-13   |
| chr8       | 50934001 | 50939000 | 0.000914863 |
| chr8       | 50935001 | 50940000 | 6.06E-05   |
| chr8       | 50936001 | 50941000 | 0.000732518 |
| chr8       | 50963001 | 50968000 | 0.000306839 |
| chr8       | 50964001 | 50969000 | 0.000151536 |
| chr8       | 50965001 | 50970000 | 0.004223461 |
| chr8       | 50966001 | 50971000 | 0.001984321 |
| chr8       | 50967001 | 50972000 | 0.001850975 |
| Chr  | Start | End   | P-value |
|------|-------|-------|---------|
| chr8 | 50973001 | 50978000 | 0.001067328 |
| chr8 | 50982001 | 50987000 | 8.11E-08 |
| chr8 | 50983001 | 50987000 | 1.38E-16 |
| chr8 | 51003001 | 51008000 | 2.81E-06 |
| chr8 | 51004001 | 51009000 | 9.68E-08 |
| chr8 | 51005001 | 51010000 | 3.77E-06 |
| chr8 | 51006001 | 51011000 | 3.92E-05 |
| chr8 | 51018001 | 51023000 | 1.41E-06 |
| chr8 | 51019001 | 51024000 | 9.76E-10 |
| chr8 | 51020001 | 51025000 | 4.70E-11 |
| chr8 | 51021001 | 51026000 | 5.02E-07 |
| chr8 | 51022001 | 51027000 | 2.59E-05 |
| chr8 | 51030001 | 51035000 | 0.004259469 |
| chr8 | 51037001 | 51042000 | 0.000186549 |
| chr8 | 51047001 | 51052000 | 1.11E-08 |
| chr8 | 51050001 | 51055000 | 1.12E-09 |
| chr8 | 51053001 | 51058000 | 4.56E-06 |
| chr8 | 51087001 | 51092000 | 1.06E-07 |
| chr8 | 51088001 | 51093000 | 8.76E-13 |
| chr8 | 51089001 | 51094000 | 9.52E-06 |
| chr8 | 51145001 | 51150000 | 0.00036916 |
| chr8 | 51146001 | 51151000 | 7.41E-07 |
| chr8 | 51147001 | 51152000 | 7.14E-05 |
| chr8 | 51148001 | 51153000 | 7.33E-05 |
| chr8 | 51149001 | 51154000 | 8.60E-07 |
| chr8 | 51152001 | 51157000 | 5.82E-07 |
| chr8 | 51185001 | 51190000 | 2.59E-07 |
| chr8 | 51186001 | 51191000 | 3.39E-09 |
| chr8 | 51187001 | 51192000 | 1.82E-09 |
| chr8 | 51189001 | 51194000 | 3.40E-08 |
| chr8 | 51190001 | 51195000 | 0.000158152 |
| chr8 | 51214001 | 51219000 | 0.000372431 |
| chr8 | 51254001 | 51259000 | 0.003287441 |
| chr8 | 51255001 | 51260000 | 1.19E-08 |
| chr8 | 51256001 | 51261000 | 1.35E-06 |
| chr8 | 51257001 | 51262000 | 1.76E-07 |
| chr8 | 51258001 | 51263000 | 1.12E-27 |
| chr8 | 51261001 | 51266000 | 5.94E-20 |
| chr8 | 51262001 | 51267000 | 1.54E-21 |
| chr8 | 51264001 | 51269000 | 2.70E-07 |
| chr8 | 51272001 | 51277000 | 0.001131186 |
| chr8 | 51273001 | 51278000 | 0.00011304 |
| chr8 | 51274001 | 51279000 | 0.001622345 |
| chr8 | 51283001 | 51288000 | 0.000875494 |
| chr8 | 51284001 | 51289000 | 0.00020718 |
| chr8 | 51285001 | 51290000 | 1.02E-05 |
| chr8 | 51304001 | 51309000 | 9.48E-11 |
| chr8 | 51305001 | 51310000 | 2.94E-14 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr8       | 51319001       | 51324000     | 3.47E-08|
| chr8       | 51320001       | 51325000     | 1.34E-08|
| chr8       | 51322001       | 51327000     | 7.27E-10|
| chr8       | 51323001       | 51328000     | 3.37E-11|
| chr8       | 51324001       | 51329000     | 1.68E-07|
| chr8       | 51356001       | 51361000     | 1.15E-05|
| chr8       | 51358001       | 51363000     | 4.59E-07|
| chr8       | 51362001       | 51367000     | 4.46E-08|
| chr8       | 51363001       | 51368000     | 6.44E-10|
| chr8       | 51364001       | 51369000     | 2.08E-07|
| chr8       | 51378001       | 51383000     | 5.75E-06|
| chr8       | 51405001       | 51410000     | 0.019846768|
| chr8       | 51414001       | 51419000     | 8.78E-09|
| chr8       | 51450001       | 51455000     | 2.85E-07|
| chr8       | 51468001       | 51473000     | 2.74E-06|
| chr8       | 51474001       | 51479000     | 4.42E-06|
| chr8       | 51475001       | 51480000     | 2.56E-07|
| chr8       | 51476001       | 51481000     | 2.87E-07|
| chr8       | 51477001       | 51482000     | 2.04E-08|
| chr8       | 51492001       | 51497000     | 1.76E-06|
| chr8       | 51547001       | 51552000     | 1.66E-05|
| chr8       | 51548001       | 51553000     | 0.000182896|
| chr8       | 51568001       | 51573000     | 6.61E-06|
| chr8       | 51569001       | 51574000     | 1.32E-07|
| chr8       | 51571001       | 51576000     | 4.66E-06|
| chr8       | 51572001       | 51577000     | 1.50E-08|
| chr8       | 51573001       | 51578000     | 3.11E-05|
| chr8       | 51574001       | 51579000     | 0.000122148|
| chr8       | 51589001       | 51594000     | 2.50E-06|
| chr8       | 51590001       | 51595000     | 2.34E-05|
| chr8       | 51596001       | 51601000     | 0.00032319|
| chr8       | 51605001       | 51610000     | 6.85E-14|
| chr8       | 51611001       | 51616000     | 1.65E-06|
| chr8       | 51622001       | 51627000     | 1.95E-07|
| chr8       | 51623001       | 51628000     | 6.52E-09|
| chr8       | 51624001       | 51629000     | 6.45E-07|
| chr8       | 51657001       | 51662000     | 4.64E-05|
| chr8       | 51665001       | 51670000     | 1.36E-05|
| chr8       | 51666001       | 51671000     | 9.32E-08|
| chr8       | 51667001       | 51672000     | 4.44E-08|
| chr8       | 51668001       | 51673000     | 1.35E-08|
| chr8       | 51674001       | 51679000     | 2.46E-08|
| chr8       | 51675001       | 51680000     | 4.56E-10|
| chr8       | 51699001       | 51704000     | 4.49E-09|
| chr8       | 51700001       | 51705000     | 1.80E-07|
| chr8       | 51701001       | 51706000     | 2.85E-07|
| chr8       | 51702001       | 51707000     | 0.000402122|
| chr8       | 51727001       | 51732000     | 0.001684836|
| Chr  | Start (bp) | End (bp) | P-value     |
|------|------------|----------|-------------|
| chr8 | 51728001   | 51733000 | 0.002722675 |
| chr8 | 51729001   | 51734000 | 0.000117307 |
| chr8 | 51751001   | 51756000 | 1.15E-05    |
| chr8 | 51752001   | 51757000 | 0.000460428 |
| chr8 | 51753001   | 51758000 | 9.41E-06    |
| chr8 | 51754001   | 51759000 | 0.000159127 |
| chr8 | 51794001   | 51799000 | 4.76E-05    |
| chr8 | 51813001   | 51818000 | 2.19E-11    |
| chr8 | 51814001   | 51819000 | 6.35E-11    |
| chr8 | 51815001   | 51820000 | 6.55E-09    |
| chr8 | 51961001   | 51966000 | 4.79E-06    |
| chr8 | 51987001   | 51992000 | 6.91E-07    |
| chr8 | 52047001   | 52052000 | 2.58E-13    |
| chr8 | 52048001   | 52053000 | 4.24E-14    |
| chr8 | 52049001   | 52054000 | 3.26E-13    |
| chr8 | 52050001   | 52055000 | 1.92E-13    |
| chr8 | 52051001   | 52056000 | 2.98E-12    |
| chr8 | 52057001   | 52062000 | 1.44E-08    |
| chr8 | 52058001   | 52063000 | 3.94E-11    |
| chr8 | 52059001   | 52064000 | 1.51E-06    |
| chr8 | 52071001   | 52076000 | 4.45E-16    |
| chr8 | 52101001   | 52106000 | 0.000128073 |
| chr8 | 52102001   | 52107000 | 4.99E-05    |
| chr8 | 52229001   | 52234000 | 6.15E-08    |
| chr8 | 52263001   | 52268000 | 5.56E-09    |
| chr8 | 52276001   | 52281000 | 2.23E-08    |
| chr8 | 52640001   | 52645000 | 0.000423844 |
| chr8 | 53172001   | 53177000 | 3.34E-07    |
| chr8 | 53182001   | 53187000 | 1.22E-20    |
| chr8 | 53183001   | 53188000 | 7.21E-20    |
| chr8 | 53232001   | 53237000 | 1.35E-05    |
| chr8 | 53234001   | 53239000 | 2.56E-05    |
| chr8 | 53739001   | 53744000 | 2.44E-08    |
| chr8 | 53740001   | 53745000 | 1.15E-06    |
| chr8 | 53741001   | 53746000 | 3.19E-06    |
| chr8 | 55527001   | 55532000 | 8.23E-07    |
| chr8 | 55567001   | 55665000 | 3.51E-06    |
| chr8 | 55735001   | 55740000 | 7.89E-09    |
| chr8 | 55736001   | 55741000 | 1.81E-16    |
| chr8 | 55737001   | 55742000 | 5.99E-18    |
| chr8 | 55738001   | 55743000 | 1.60E-11    |
| chr8 | 55933001   | 55938000 | 5.47E-10    |
| chr8 | 56150001   | 56155000 | 0.000188324 |
| chr8 | 57235001   | 57240000 | 2.34E-05    |
| chr8 | 57236001   | 57241000 | 0.000241949 |
| chr8 | 57575001   | 57580000 | 2.84E-09    |
| chr8 | 57576001   | 57581000 | 3.27E-07    |
| chr8 | 57577001   | 57582000 | 2.22E-07    |
| Chr | Start  | End   | Value   |
|-----|--------|-------|---------|
| chr8| 57608001 | 57613000 | 3.10E-07 |
| chr8| 57609001 | 57614000 | 6.25E-06 |
| chr8| 57610001 | 57615000 | 4.50E-05 |
| chr8| 57611001 | 57616000 | 2.91E-05 |
| chr8| 57612001 | 57617000 | 2.46E-06 |
| chr8| 57716001 | 57721000 | 4.54E-05 |
| chr8| 57735001 | 57740000 | 1.83E-05 |
| chr8| 57806001 | 57811000 | 8.48E-06 |
| chr8| 57910001 | 57915000 | 9.57E-07 |
| chr8| 57933001 | 57938000 | 1.84E-12 |
| chr8| 57934001 | 57939000 | 7.75E-13 |
| chr8| 57935001 | 57940000 | 2.50E-07 |
| chr8| 57950001 | 57955000 | 2.37E-06 |
| chr8| 58038001 | 58043000 | 3.27E-05 |
| chr8| 58197001 | 58202000 | 1.54E-06 |
| chr8| 58198001 | 58203000 | 2.51E-08 |
| chr8| 58199001 | 58204000 | 4.87E-06 |
| chr8| 58350001 | 58355000 | 0.000478279 |
| chr8| 58412001 | 58417000 | 9.92E-06 |
| chr8| 58432001 | 58437000 | 5.12E-05 |
| chr8| 58538001 | 58543000 | 6.70E-05 |
| chr8| 58585001 | 58590000 | 0.000412764 |
| chr8| 58631001 | 58636000 | 5.91E-09 |
| chr8| 58632001 | 58637000 | 3.38E-07 |
| chr8| 58642001 | 58647000 | 0.000798099 |
| chr8| 58654001 | 58659000 | 1.89E-06 |
| chr8| 58769001 | 58774000 | 0.000181107 |
| chr8| 58770001 | 58775000 | 1.06E-07 |
| chr8| 58771001 | 58776000 | 2.44E-07 |
| chr8| 58772001 | 58777000 | 7.78E-06 |
| chr8| 58880001 | 58885000 | 0.001112679 |
| chr8| 58900001 | 58905000 | 5.10E-10 |
| chr8| 59133001 | 59138000 | 4.50E-11 |
| chr8| 59134001 | 59139000 | 9.32E-09 |
| chr8| 59650001 | 59655000 | 3.28E-08 |
| chr8| 59662001 | 59667000 | 3.14E-07 |
| chr8| 59737001 | 59742000 | 1.69E-07 |
| chr8| 59738001 | 59743000 | 5.57E-06 |
| chr8| 59831001 | 59836000 | 4.44E-13 |
| chr8| 60045001 | 60050000 | 4.00E-06 |
| chr8| 60046001 | 60051000 | 1.49E-05 |
| chr8| 60047001 | 60052000 | 1.25E-08 |
| chr8| 60048001 | 60053000 | 0.00074125 |
| chr8| 60131001 | 60136000 | 2.18E-06 |
| chr8| 60133001 | 60138000 | 1.96E-10 |
| chr8| 60156001 | 60161000 | 1.05E-07 |
| chr8| 60175001 | 60180000 | 9.15E-10 |
| chr8| 60189001 | 60194000 | 5.93E-07 |
| chr8 | 60209001 | 60214000 | 7.61E-07 |
|------|----------|----------|----------|
| chr8 | 60239001 | 60244000 | 1.09E-07 |
| chr8 | 60240001 | 60245000 | 7.21E-08 |
| chr8 | 60319001 | 60324000 | 0.000553477 |
| chr8 | 60346001 | 60351000 | 2.77E-10 |
| chr8 | 60455001 | 60460000 | 1.22E-13 |
| chr8 | 60508001 | 60513000 | 4.08E-05 |
| chr8 | 60547001 | 60552000 | 0.003337074 |
| chr8 | 60548001 | 60553000 | 4.29E-05 |
| chr8 | 60590001 | 60595000 | 0.00606058 |
| chr8 | 60655001 | 60660000 | 0.000720225 |
| chr8 | 60604001 | 60609000 | 7.04E-05 |
| chr8 | 60605001 | 60610000 | 6.84E-05 |
| chr8 | 60606001 | 60611000 | 0.00201793 |
| chr8 | 60607001 | 60612000 | 0.00119826 |
| chr8 | 60752001 | 60757000 | 3.57E-06 |
| chr8 | 60825001 | 60830000 | 3.07E-06 |
| chr8 | 60955001 | 60960000 | 2.06E-13 |
| chr8 | 60975001 | 60980000 | 0.001429525 |
| chr8 | 60976001 | 60981000 | 0.00628594 |
| chr8 | 62007001 | 62012000 | 3.51E-17 |
| chr8 | 62008001 | 62013000 | 7.92E-19 |
| chr8 | 62140001 | 62145000 | 8.76E-13 |
| chr8 | 62141001 | 62146000 | 1.98E-10 |
| chr8 | 62150001 | 62155000 | 9.68E-08 |
| chr8 | 62151001 | 62156000 | 8.14E-09 |
| chr8 | 62152001 | 62157000 | 1.66E-06 |
| chr8 | 62161001 | 62166000 | 6.99E-06 |
| chr8 | 62167001 | 62172000 | 1.61E-13 |
| chr8 | 62168001 | 62173000 | 1.46E-13 |
| chr8 | 62230001 | 62235000 | 0.010866967 |
| chr8 | 62234001 | 62239000 | 0.00027965 |
| chr8 | 62235001 | 62240000 | 5.87E-07 |
| chr8 | 62236001 | 62241000 | 1.02E-07 |
| chr8 | 62238001 | 62243000 | 2.93E-08 |
| chr8 | 62242001 | 62247000 | 4.58E-11 |
| chr8 | 62286001 | 62291000 | 5.55E-14 |
| chr8 | 62287001 | 62292000 | 1.75E-18 |
| chr8 | 62288001 | 62293000 | 4.18E-22 |
| chr8 | 62289001 | 62294000 | 1.50E-14 |
| chr8 | 62300001 | 62305000 | 9.19E-11 |
| chr8 | 62301001 | 62306000 | 6.93E-13 |
| chr8 | 62302001 | 62307000 | 6.84E-12 |
| chr8 | 62335001 | 62340000 | 3.07E-08 |
| chr8 | 62336001 | 62341000 | 4.32E-10 |
| chr8 | 62337001 | 62342000 | 1.53E-10 |
| chr8 | 62338001 | 62343000 | 1.87E-10 |
| chr8 | 62340001 | 62345000 | 1.33E-08 |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr8       | 62341001 | 62346000 | 1.65E-08 |
| chr8       | 62345001 | 62350000 | 0.000151972 |
| chr8       | 62346001 | 62351000 | 1.06E-05 |
| chr8       | 62347001 | 62352000 | 9.81E-05 |
| chr8       | 62356001 | 62361000 | 6.24E-05 |
| chr8       | 62371001 | 62376000 | 1.55E-05 |
| chr8       | 62372001 | 62377000 | 2.06E-05 |
| chr8       | 62382001 | 62387000 | 2.97E-14 |
| chr8       | 62383001 | 62388000 | 3.56E-13 |
| chr8       | 62406001 | 62411000 | 0.000243274 |
| chr8       | 62407001 | 62412000 | 2.35E-05 |
| chr8       | 62689001 | 62694000 | 2.00E-10 |
| chr8       | 62690001 | 62695000 | 3.07E-11 |
| chr8       | 62702001 | 62707000 | 6.16E-13 |
| chr8       | 62723001 | 62728000 | 6.93E-15 |
| chr8       | 62724001 | 62729000 | 6.70E-18 |
| chr8       | 62725001 | 62730000 | 6.24E-16 |
| chr8       | 62733001 | 62738000 | 2.52E-12 |
| chr8       | 62734001 | 62739000 | 3.76E-11 |
| chr8       | 62736001 | 62741000 | 2.62E-06 |
| chr8       | 62752001 | 62757000 | 5.49E-10 |
| chr8       | 62753001 | 62758000 | 2.27E-09 |
| chr8       | 62764001 | 62769000 | 4.99E-07 |
| chr8       | 62765001 | 62770000 | 1.47E-06 |
| chr8       | 62766001 | 62771000 | 2.85E-06 |
| chr8       | 62767001 | 62772000 | 3.30E-05 |
| chr8       | 62774001 | 62779000 | 6.22E-06 |
| chr8       | 62775001 | 62780000 | 2.25E-07 |
| chr8       | 62776001 | 62781000 | 4.24E-08 |
| chr8       | 62777001 | 62782000 | 4.51E-07 |
| chr8       | 62778001 | 62783000 | 2.72E-05 |
| chr8       | 62799001 | 62804000 | 3.05E-08 |
| chr8       | 62800001 | 62805000 | 1.76E-10 |
| chr8       | 62801001 | 62806000 | 9.77E-07 |
| chr8       | 62812001 | 62817000 | 1.25E-18 |
| chr8       | 62813001 | 62818000 | 1.41E-20 |
| chr8       | 62814001 | 62819000 | 5.64E-19 |
| chr8       | 62815001 | 62820000 | 1.09E-20 |
| chr8       | 62830001 | 62835000 | 1.84E-08 |
| chr8       | 62831001 | 62836000 | 2.59E-07 |
| chr8       | 62832001 | 62837000 | 5.74E-08 |
| chr8       | 62837001 | 62842000 | 5.87E-11 |
| chr8       | 62838001 | 62843000 | 2.02E-11 |
| chr8       | 62839001 | 62844000 | 4.67E-10 |
| chr8       | 62883001 | 62888000 | 7.47E-05 |
| chr8       | 62885001 | 62890000 | 5.12E-07 |
| chr8       | 62899001 | 62904000 | 3.85E-05 |
| chr8       | 62916001 | 62921000 | 4.42E-07 |
| Chr  | Start  | End    | Value      |
|------|--------|--------|------------|
| chr8 | 62917001 | 62922000 | 1.25E-10   |
| chr8 | 62918001 | 62923000 | 2.37E-12   |
| chr8 | 62928001 | 62933000 | 0.000288528|
| chr8 | 62956001 | 62961000 | 1.77E-13   |
| chr8 | 62957001 | 62962000 | 4.22E-11   |
| chr8 | 62958001 | 62963000 | 2.83E-09   |
| chr8 | 63024001 | 63029000 | 0.000340913|
| chr8 | 63025001 | 63030000 | 0.000653591|
| chr8 | 63031001 | 63036000 | 0.000778562|
| chr8 | 63034001 | 63039000 | 3.76E-05   |
| chr8 | 63035001 | 63040000 | 1.11E-05   |
| chr8 | 63036001 | 63041000 | 3.97E-07   |
| chr8 | 63037001 | 63042000 | 1.46E-09   |
| chr8 | 63038001 | 63043000 | 7.80E-09   |
| chr8 | 63039001 | 63044000 | 5.20E-05   |
| chr8 | 63040001 | 63045000 | 9.46E-05   |
| chr8 | 63042001 | 63047000 | 2.87E-19   |
| chr8 | 63043001 | 63048000 | 5.70E-19   |
| chr8 | 63044001 | 63049000 | 7.70E-16   |
| chr8 | 63045001 | 63050000 | 2.05E-16   |
| chr8 | 63046001 | 63051000 | 1.15E-10   |
| chr8 | 63047001 | 63052000 | 0.000440023|
| chr8 | 63061001 | 63066000 | 2.95E-05   |
| chr8 | 63062001 | 63067000 | 1.89E-05   |
| chr8 | 63064001 | 63069000 | 6.45E-06   |
| chr8 | 63065001 | 63070000 | 0.000140413|
| chr8 | 63082001 | 63087000 | 0.006426131|
| chr8 | 63083001 | 63088000 | 0.00893426|
| chr8 | 63085001 | 63090000 | 0.000239009|
| chr8 | 63088001 | 63093000 | 2.66E-24   |
| chr8 | 63089001 | 63094000 | 2.52E-20   |
| chr8 | 63090001 | 63095000 | 2.27E-21   |
| chr8 | 63091001 | 63096000 | 1.19E-20   |
| chr8 | 63092001 | 63097000 | 5.98E-16   |
| chr8 | 63106001 | 63111000 | 3.95E-07   |
| chr8 | 63107001 | 63112000 | 3.58E-10   |
| chr8 | 63108001 | 63113000 | 8.49E-09   |
| chr8 | 63109001 | 63114000 | 4.34E-08   |
| chr8 | 63113001 | 63118000 | 4.26E-08   |
| chr8 | 63114001 | 63119000 | 9.17E-07   |
| chr8 | 63127001 | 63132000 | 7.43E-06   |
| chr8 | 63130001 | 63135000 | 0.00026343 |
| chr8 | 63146001 | 63151000 | 0.000109399|
| chr8 | 63152001 | 63157000 | 6.56E-13   |
| chr8 | 63181001 | 63186000 | 2.30E-05   |
| chr8 | 63182001 | 63187000 | 1.27E-05   |
| chr8 | 63224001 | 63229000 | 3.44E-10   |
| chr8 | 63244001 | 63249000 | 1.53E-06   |
| Chr | Start | End   | Value  |
|-----|-------|-------|--------|
| chr8 | 63262001 | 63267000 | 2.69E-05 |
| chr8 | 63264001 | 63269000 | 8.03E-10 |
| chr8 | 63306001 | 63311000 | 1.50E-21 |
| chr8 | 63307001 | 63312000 | 5.33E-25 |
| chr8 | 63312001 | 63317000 | 3.63E-13 |
| chr8 | 63313001 | 63318000 | 4.61E-16 |
| chr8 | 63314001 | 63319000 | 1.62E-16 |
| chr8 | 63315001 | 63320000 | 3.23E-16 |
| chr8 | 63322001 | 63327000 | 6.96E-09 |
| chr8 | 63323001 | 63328000 | 6.20E-11 |
| chr8 | 63324001 | 63329000 | 1.15E-11 |
| chr8 | 63327001 | 63332000 | 4.46E-09 |
| chr8 | 63328001 | 63333000 | 1.37E-07 |
| chr8 | 63329001 | 63334000 | 2.01E-05 |
| chr8 | 63330001 | 63335000 | 2.17E-05 |
| chr8 | 63331001 | 63336000 | 6.18E-07 |
| chr8 | 63347001 | 63352000 | 1.70E-06 |
| chr8 | 63354001 | 63359000 | 3.97E-05 |
| chr8 | 63414001 | 63419000 | 3.50E-12 |
| chr8 | 63415001 | 63420000 | 1.23E-10 |
| chr8 | 63423001 | 63428000 | 4.54E-07 |
| chr8 | 63424001 | 63429000 | 0.008978469 |
| chr8 | 63428001 | 63433000 | 4.93E-05 |
| chr8 | 63438001 | 63443000 | 2.44E-07 |
| chr8 | 63463001 | 63468000 | 8.56E-05 |
| chr8 | 63464001 | 63469000 | 0.000265406 |
| chr8 | 63465001 | 63470000 | 0.000321444 |
| chr8 | 63485001 | 63490000 | 1.29E-05 |
| chr8 | 63487001 | 63492000 | 4.68E-05 |
| chr8 | 63496001 | 63501000 | 3.94E-06 |
| chr8 | 63497001 | 63502000 | 2.61E-06 |
| chr8 | 63498001 | 63503000 | 0.000414887 |
| chr8 | 63522001 | 63527000 | 9.57E-06 |
| chr8 | 63523001 | 63528000 | 4.95E-08 |
| chr8 | 63531001 | 63536000 | 9.79E-10 |
| chr8 | 63532001 | 63537000 | 1.86E-07 |
| chr8 | 63533001 | 63538000 | 1.44E-05 |
| chr8 | 63534001 | 63539000 | 3.52E-06 |
| chr8 | 63535001 | 63540000 | 8.73E-11 |
| chr8 | 63550001 | 63555000 | 3.64E-07 |
| chr8 | 63551001 | 63556000 | 2.15E-05 |
| chr8 | 63568001 | 63573000 | 1.09E-06 |
| chr8 | 63589001 | 63594000 | 4.75E-11 |
| chr8 | 63596001 | 63601000 | 1.42E-05 |
| chr8 | 63632001 | 63637000 | 0.000174252 |
| chr8 | 63633001 | 63638000 | 0.000126106 |
| chr8 | 63666001 | 63671000 | 0.001046582 |
| chr8 | 63667001 | 63672000 | 0.001046582 |
chr8  63668001  63673000  0.001513169
chr8  63669001  63674000  0.000224342
chr8  63683001  63688000  2.13E-05
chr8  63735001  63740000  0.000104654
chr8  63736001  63741000  0.000148842
chr8  63737001  63742000  0.000305281
chr8  63778001  63783000  1.39E-26
chr8  63782001  63787000  6.14E-18
chr8  63795001  63800000  3.33E-05
chr8  63806001  63811000  7.35E-07
chr8  63807001  63812000  4.01E-10
chr8  63809001  63814000  5.68E-08
chr8  64090001  64414000  5.54E-09
chr8  64410001  64415000  4.63E-10
chr8  64423001  64428000  1.71E-10
chr8  64425001  64430000  5.20E-09
chr8  64427001  64432000  0.012471553
chr8  64544001  64549000  6.47E-08
chr8  64595001  64600000  5.19E-06
chr8  64597001  64602000  0.00194761
chr8  64599001  64604000  0.000244565
chr8  64750001  64755000  0.002258467
chr8  64751001  64756000  0.002375595
chr8  64752001  64757000  0.002786339
chr8  64760001  64765000  0.00029321
chr8  64761001  64766000  0.000371905
chr8  64762001  64767000  0.000542725
chr8  64769001  64774000  1.96E-06
chr8  64803001  64808000  2.14E-10
chr8  64804001  64809000  2.85E-13
chr8  64805001  64810000  4.87E-10
chr8  64806001  64811000  1.39E-10
chr8  64807001  64812000  1.03E-09
chr8  64829001  64834000  0.007747256
chr8  64868001  64873000  0.000374796
chr8  65037001  65042000  9.79E-05
chr8  65038001  65043000  0.000360787
chr8  65103001  65108000  3.94E-09
chr8  65104001  65109000  7.89E-09
chr8  65378001  65383000  9.88E-08
chr8  65437001  65442000  0.00058297
chr8  65438001  65443000  7.14E-05
chr8  65439001  65444000  0.000248123
chr8  65455001  65460000  0.00181319
chr8  65480001  65485000  1.04E-05
chr8  65481001  65486000  1.89E-05
chr8  65939001  65944000  0.000769348
| Chromosome | Start | End | p-value  |
|------------|-------|-----|----------|
| chr8       | 65940001 | 65945000 | 5.05E-05  |
| chr8       | 65941001 | 65946000 | 3.63E-08  |
| chr8       | 65942001 | 65947000 | 2.31E-08  |
| chr8       | 66020001 | 66025000 | 0.000207  |
| chr8       | 66021001 | 66026000 | 0.000392735  |
| chr8       | 66221001 | 66226000 | 0.004374539  |
| chr8       | 66549001 | 66554000 | 3.89E-16  |
| chr8       | 67092001 | 67097000 | 0.001275061  |
| chr8       | 69013001 | 69018000 | 0.007398136  |
| chr8       | 69069001 | 69074000 | 0.001408232  |
| chr8       | 69074001 | 69079000 | 7.64E-10  |
| chr8       | 69077001 | 69082000 | 1.36E-12  |
| chr8       | 69261001 | 69266000 | 0.00262399  |
| chr8       | 69262001 | 69267000 | 4.70E-07  |
| chr8       | 69263001 | 69268000 | 2.23E-05  |
| chr8       | 69413001 | 69418000 | 6.24E-11  |
| chr8       | 69414001 | 69419000 | 1.12E-07  |
| chr8       | 69415001 | 69420000 | 1.82E-07  |
| chr8       | 69422001 | 69427000 | 1.89E-05  |
| chr8       | 69489001 | 69494000 | 0.001322939  |
| chr8       | 69492001 | 69497000 | 0.000266896  |
| chr8       | 69530001 | 69535000 | 1.33E-08  |
| chr8       | 69531001 | 69536000 | 3.83E-11  |
| chr8       | 69547001 | 69552000 | 1.20E-06  |
| chr8       | 69548001 | 69553000 | 6.78E-07  |
| chr8       | 69549001 | 69554000 | 2.63E-06  |
| chr8       | 69550001 | 69555000 | 8.88E-06  |
| chr8       | 69551001 | 69556000 | 1.57E-06  |
| chr8       | 69568001 | 69573000 | 9.66E-05  |
| chr8       | 69569001 | 69574000 | 3.46E-07  |
| chr8       | 69580001 | 69585000 | 9.81E-05  |
| chr8       | 69585001 | 69590000 | 1.87E-09  |
| chr8       | 69586001 | 69591000 | 3.79E-07  |
| chr8       | 69614001 | 69619000 | 2.83E-08  |
| chr8       | 69615001 | 69620000 | 1.07E-07  |
| chr8       | 69616001 | 69621000 | 2.70E-08  |
| chr8       | 69617001 | 69622000 | 6.34E-10  |
| chr8       | 69618001 | 69623000 | 5.81E-15  |
| chr8       | 69619001 | 69624000 | 7.35E-13  |
| chr8       | 69620001 | 69625000 | 1.85E-10  |
| chr8       | 69621001 | 69626000 | 5.20E-12  |
| chr8       | 69642001 | 69647000 | 2.17E-05  |
| chr8       | 69643001 | 69648000 | 4.11E-05  |
| chr8       | 69644001 | 69649000 | 2.15E-05  |
| chr8       | 69645001 | 69650000 | 0.000322935  |
| chr8       | 69663001 | 69668000 | 4.15E-08  |
| chr8       | 69681001 | 69686000 | 0.001072136  |
| chr8       | 69691001 | 69696000 | 2.47E-08  |
| Chr  | Start  | End    | Value       |
|------|--------|--------|-------------|
| chr8 | 69692001 | 69697000 | 7.17E-06    |
| chr8 | 69693001 | 69698000 | 2.08E-07    |
| chr8 | 69694001 | 69699000 | 1.44E-09    |
| chr8 | 69695001 | 69700000 | 1.13E-10    |
| chr8 | 69696001 | 69701000 | 6.12E-05    |
| chr8 | 69697001 | 69702000 | 2.33E-07    |
| chr8 | 69698001 | 69703000 | 8.13E-07    |
| chr8 | 69699001 | 69704000 | 1.22E-05    |
| chr8 | 69710001 | 69715000 | 4.20E-05    |
| chr8 | 69711001 | 69716000 | 5.15E-05    |
| chr8 | 69712001 | 69717000 | 1.96E-05    |
| chr8 | 69713001 | 69718000 | 1.05E-05    |
| chr8 | 69714001 | 69719000 | 7.15E-06    |
| chr8 | 69718001 | 69723000 | 9.94E-15    |
| chr8 | 69720001 | 69725000 | 7.41E-19    |
| chr8 | 69727001 | 69732000 | 3.99E-07    |
| chr8 | 69737001 | 69742000 | 2.20E-11    |
| chr8 | 69738001 | 69743000 | 2.68E-12    |
| chr8 | 69739001 | 69744000 | 1.45E-08    |
| chr8 | 69740001 | 69745000 | 1.68E-08    |
| chr8 | 69741001 | 69746000 | 3.25E-09    |
| chr8 | 69742001 | 69747000 | 5.95E-05    |
| chr8 | 69744001 | 69749000 | 0.000353586 |
| chr8 | 69745001 | 69750000 | 9.20E-05    |
| chr8 | 69746001 | 69751000 | 0.001299754 |
| chr8 | 69752001 | 69757000 | 1.87E-09    |
| chr8 | 69753001 | 69758000 | 1.36E-10    |
| chr8 | 69761001 | 69766000 | 1.15E-09    |
| chr8 | 69762001 | 69767000 | 8.26E-06    |
| chr8 | 69763001 | 69768000 | 0.00056488  |
| chr8 | 69775001 | 69780000 | 3.99E-07    |
| chr8 | 69777001 | 69782000 | 1.15E-06    |
| chr8 | 69779001 | 69784000 | 8.06E-10    |
| chr8 | 69781001 | 69786000 | 2.10E-09    |
| chr8 | 69782001 | 69787000 | 2.14E-08    |
| chr8 | 69783001 | 69788000 | 3.38E-08    |
| chr8 | 69819001 | 69824000 | 4.05E-08    |
| chr8 | 69820001 | 69825000 | 3.55E-08    |
| chr8 | 69821001 | 69826000 | 1.61E-07    |
| chr8 | 69822001 | 69827000 | 2.67E-06    |
| chr8 | 69823001 | 69828000 | 3.61E-06    |
| chr8 | 69831001 | 69836000 | 5.79E-10    |
| chr8 | 69832001 | 69837000 | 9.64E-09    |
| chr8 | 69833001 | 69838000 | 1.68E-10    |
| chr8 | 69834001 | 69839000 | 1.84E-12    |
| chr8 | 69835001 | 69840000 | 1.44E-12    |
| chr8 | 69836001 | 69841000 | 3.31E-07    |
| chr8 | 69837001 | 69842000 | 5.43E-31    |
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|---------------|
| chr8       | 69838001 | 69843000 | 1.86E-32      |
| chr8       | 69839001 | 69844000 | 2.62E-29      |
| chr8       | 69840001 | 69845000 | 1.08E-26      |
| chr8       | 69841001 | 69846000 | 7.52E-24      |
| chr8       | 69843001 | 69848000 | 0.002301374   |
| chr8       | 69845001 | 69850000 | 5.20E-05      |
| chr8       | 69846001 | 69851000 | 0.000178735   |
| chr8       | 69847001 | 69852000 | 0.000114137   |
| chr8       | 69849001 | 69854000 | 1.58E-07      |
| chr8       | 69850001 | 69855000 | 1.65E-08      |
| chr8       | 69851001 | 69856000 | 7.67E-11      |
| chr8       | 69852001 | 69857000 | 1.11E-11      |
| chr8       | 69853001 | 69858000 | 1.57E-06      |
| chr8       | 69854001 | 69859000 | 3.90E-07      |
| chr8       | 69855001 | 69860000 | 3.60E-05      |
| chr8       | 69889001 | 69894000 | 1.84E-24      |
| chr8       | 69890001 | 69895000 | 2.14E-22      |
| chr8       | 69898001 | 69903000 | 4.00E-08      |
| chr8       | 69909001 | 69914000 | 2.97E-18      |
| chr8       | 69912001 | 69917000 | 2.06E-19      |
| chr8       | 69921001 | 69926000 | 1.06E-05      |
| chr8       | 69922001 | 69927000 | 9.44E-08      |
| chr8       | 69923001 | 69928000 | 1.53E-12      |
| chr8       | 69924001 | 69929000 | 3.74E-10      |
| chr8       | 69925001 | 69930000 | 3.61E-11      |
| chr8       | 69926001 | 69931000 | 5.35E-08      |
| chr8       | 69937001 | 69942000 | 1.65E-18      |
| chr8       | 69938001 | 69943000 | 1.95E-22      |
| chr8       | 69939001 | 69944000 | 1.93E-27      |
| chr8       | 69940001 | 69945000 | 6.96E-28      |
| chr8       | 69941001 | 69946000 | 1.04E-27      |
| chr8       | 69950001 | 69955000 | 4.91E-05      |
| chr8       | 69951001 | 69956000 | 0.000199282   |
| chr8       | 69952001 | 69957000 | 0.000466968   |
| chr8       | 69980001 | 69985000 | 1.29E-05      |
| chr8       | 69981001 | 69986000 | 9.65E-22      |
| chr8       | 69982001 | 69987000 | 7.12E-25      |
| chr8       | 69983001 | 69988000 | 7.54E-34      |
| chr8       | 69984001 | 69989000 | 2.12E-28      |
| chr8       | 69985001 | 69990000 | 9.37E-27      |
| chr8       | 69997001 | 70002000 | 1.66E-14      |
| chr8       | 69998001 | 70003000 | 1.73E-12      |
| chr8       | 69999001 | 70004000 | 4.15E-11      |
| chr8       | 70000001 | 70005000 | 8.32E-09      |
| chr8       | 70001001 | 70006000 | 3.14E-08      |
| chr8       | 70016001 | 70021000 | 1.46E-06      |
| chr8       | 70017001 | 70022000 | 2.15E-09      |
| Chr  | Start | End   | Score  |
|------|-------|-------|--------|
| chr8 | 70018001 | 70023000 | 3.73E-09 |
| chr8 | 70019001 | 70024000 | 2.54E-08 |
| chr8 | 70020001 | 70025000 | 2.90E-08 |
| chr8 | 70021001 | 70026000 | 5.92E-05 |
| chr8 | 70054001 | 70059000 | 7.00E-08 |
| chr8 | 70055001 | 70060000 | 2.22E-10 |
| chr8 | 70056001 | 70061000 | 9.47E-09 |
| chr8 | 70057001 | 70062000 | 2.86E-18 |
| chr8 | 70058001 | 70063000 | 4.75E-14 |
| chr8 | 70059001 | 70064000 | 7.11E-14 |
| chr8 | 70060001 | 70065000 | 5.88E-13 |
| chr8 | 70061001 | 70066000 | 1.72E-12 |
| chr8 | 70089001 | 70094000 | 7.44E-06 |
| chr8 | 70090001 | 70095000 | 2.91E-08 |
| chr8 | 70091001 | 70096000 | 1.38E-09 |
| chr8 | 70092001 | 70097000 | 2.25E-09 |
| chr8 | 70101001 | 70106000 | 0.000195259 |
| chr8 | 70105001 | 70110000 | 9.96E-10 |
| chr8 | 70106001 | 70111000 | 2.09E-11 |
| chr8 | 70107001 | 70112000 | 2.10E-08 |
| chr8 | 70108001 | 70113000 | 2.01E-08 |
| chr8 | 70109001 | 70114000 | 8.59E-11 |
| chr8 | 70110001 | 70115000 | 9.89E-08 |
| chr8 | 70111001 | 70116000 | 4.17E-08 |
| chr8 | 70112001 | 70117000 | 1.04E-10 |
| chr8 | 70113001 | 70118000 | 1.65E-11 |
| chr8 | 70114001 | 70119000 | 7.13E-10 |
| chr8 | 70117001 | 70122000 | 5.33E-06 |
| chr8 | 70118001 | 70123000 | 3.25E-08 |
| chr8 | 70121001 | 70126000 | 3.93E-07 |
| chr8 | 70131001 | 70136000 | 0.000142178 |
| chr8 | 70132001 | 70137000 | 5.72E-06 |
| chr8 | 70141001 | 70146000 | 0.014572343 |
| chr8 | 70142001 | 70147000 | 0.002060133 |
| chr8 | 70143001 | 70148000 | 6.55E-06 |
| chr8 | 70144001 | 70149000 | 3.91E-06 |
| chr8 | 70145001 | 70150000 | 7.10E-07 |
| chr8 | 70172001 | 70177000 | 3.99E-07 |
| chr8 | 70173001 | 70178000 | 8.31E-08 |
| chr8 | 70174001 | 70179000 | 9.90E-09 |
| chr8 | 70175001 | 70180000 | 3.65E-08 |
| chr8 | 70258001 | 70263000 | 1.96E-08 |
| chr8 | 70283001 | 70288000 | 9.24E-06 |
| chr8 | 70284001 | 70289000 | 1.45E-07 |
| chr8 | 70285001 | 70290000 | 9.08E-14 |
| chr8 | 70286001 | 70291000 | 8.44E-12 |
| chr8 | 70287001 | 70292000 | 1.25E-12 |
| chr8 | 70347001 | 70352000 | 1.20E-07 |
| Chromosome | Start Base | End Base | Log10(P-value) |
|------------|------------|----------|----------------|
| chr8       | 70349001   | 70354000 | 3.66E-11       |
| chr8       | 70350001   | 70355000 | 4.43E-08       |
| chr8       | 70391001   | 70396000 | 1.28E-06       |
| chr8       | 70406001   | 70411000 | 9.52E-06       |
| chr8       | 70419001   | 70424000 | 4.74E-08       |
| chr8       | 70431001   | 70436000 | 2.46E-12       |
| chr8       | 70432001   | 70437000 | 7.01E-12       |
| chr8       | 70433001   | 70438000 | 2.92E-16       |
| chr8       | 70440001   | 70445000 | 2.84E-14       |
| chr8       | 70464001   | 70469000 | 1.78E-09       |
| chr8       | 70495001   | 70500000 | 6.42E-08       |
| chr8       | 70496001   | 70501000 | 1.70E-06       |
| chr8       | 70498001   | 70503000 | 2.13E-11       |
| chr8       | 70502001   | 70507000 | 1.26E-16       |
| chr8       | 70503001   | 70508000 | 9.42E-13       |
| chr8       | 70504001   | 70509000 | 2.27E-12       |
| chr8       | 70517001   | 70522000 | 4.96E-17       |
| chr8       | 70518001   | 70523000 | 2.37E-16       |
| chr8       | 70519001   | 70524000 | 2.18E-14       |
| chr8       | 70520001   | 70525000 | 3.27E-13       |
| chr8       | 70521001   | 70526000 | 1.89E-11       |
| chr8       | 70588001   | 70593000 | 1.16E-12       |
| chr8       | 70589001   | 70594000 | 2.95E-23       |
| chr8       | 70590001   | 70595000 | 3.75E-23       |
| chr8       | 70591001   | 70596000 | 9.11E-20       |
| chr8       | 70592001   | 70597000 | 2.58E-20       |
| chr8       | 70593001   | 70598000 | 8.79E-16       |
| chr8       | 70608001   | 70613000 | 6.62E-14       |
| chr8       | 70609001   | 70614000 | 1.09E-09       |
| chr8       | 70667001   | 70672000 | 4.57E-16       |
| chr8       | 70669001   | 70674000 | 8.40E-16       |
| chr8       | 70670001   | 70675000 | 1.20E-18       |
| chr8       | 70671001   | 70676000 | 1.72E-11       |
| chr8       | 70698001   | 70703000 | 8.33E-08       |
| chr8       | 70699001   | 70704000 | 4.11E-11       |
| chr8       | 70703001   | 70708000 | 3.29E-07       |
| chr8       | 70760001   | 70765000 | 2.84E-16       |
| chr8       | 70761001   | 70766000 | 8.86E-16       |
| chr8       | 70762001   | 70767000 | 3.23E-16       |
| chr8       | 70763001   | 70768000 | 1.64E-20       |
| chr8       | 70764001   | 70769000 | 1.42E-18       |
| chr8       | 70765001   | 70770000 | 3.78E-15       |
| chr8       | 70783001   | 70788000 | 5.64E-22       |
| chr8       | 70784001   | 70789000 | 5.82E-36       |
| chr8       | 70785001   | 70790000 | 7.46E-39       |
| chr8       | 70787001   | 70792000 | 0.000403212     |
| chr8       | 70788001   | 70793000 | 4.66E-06       |
| chr8       | 70789001   | 70794000 | 4.50E-08       |
| Chromosome | Start Base | End Base | Log10(P) |
|------------|------------|----------|----------|
| chr8       | 7081001    | 7081600  | 4.72E-12 |
| chr8       | 70837001   | 70842000 | 8.34E-18 |
| chr8       | 70838001   | 70843000 | 2.12E-14 |
| chr8       | 70849001   | 70854000 | 3.56E-09 |
| chr8       | 70850001   | 70855000 | 3.07E-10 |
| chr8       | 70908001   | 70913000 | 1.73E-26 |
| chr8       | 70909001   | 70914000 | 7.89E-24 |
| chr8       | 70910001   | 70915000 | 2.10E-19 |
| chr8       | 71328001   | 71333000 | 1.26E-07 |
| chr8       | 71385001   | 71390000 | 2.19E-05 |
| chr8       | 71429001   | 71434000 | 7.74E-05 |
| chr8       | 71522001   | 71527000 | 8.20E-12 |
| chr8       | 71523001   | 71528000 | 2.49E-12 |
| chr8       | 71524001   | 71529000 | 2.11E-12 |
| chr8       | 71598001   | 71603000 | 4.75E-12 |
| chr8       | 71613001   | 71618000 | 1.25E-11 |
| chr8       | 71685001   | 71690000 | 5.44E-05 |
| chr8       | 71703001   | 71708000 | 1.03E-06 |
| chr8       | 71704001   | 71709000 | 6.69E-05 |
| chr8       | 71741001   | 71746000 | 7.28E-08 |
| chr8       | 71771001   | 71776000 | 1.52E-13 |
| chr8       | 71772001   | 71777000 | 1.04E-14 |
| chr8       | 71773001   | 71778000 | 1.70E-11 |
| chr8       | 71774001   | 71779000 | 5.27E-07 |
| chr8       | 71775001   | 71780000 | 1.68E-10 |
| chr8       | 71781001   | 71786000 | 0.000334621 |
| chr8       | 71784001   | 71789000 | 1.81E-07 |
| chr8       | 71816001   | 71821000 | 7.20E-15 |
| chr8       | 71817001   | 71822000 | 1.45E-11 |
| chr8       | 71826001   | 71831000 | 3.03E-06 |
| chr8       | 71827001   | 71832000 | 1.33E-11 |
| chr8       | 71828001   | 71833000 | 3.21E-10 |
| chr8       | 71829001   | 71834000 | 8.59E-10 |
| chr8       | 71830001   | 71835000 | 7.33E-08 |
| chr8       | 71861001   | 71866000 | 4.90E-16 |
| chr8       | 71862001   | 71867000 | 5.53E-11 |
| chr8       | 71863001   | 71868000 | 8.65E-13 |
| chr8       | 71892001   | 71897000 | 2.42E-24 |
| chr8       | 71893001   | 71898000 | 1.46E-19 |
| chr8       | 71906001   | 71911000 | 1.14E-06 |
| chr8       | 71922001   | 71927000 | 2.35E-14 |
| chr8       | 71946001   | 71951000 | 0.000129081 |
| chr8       | 71947001   | 71952000 | 2.26E-07 |
| chr8       | 71948001   | 71953000 | 8.76E-06 |
| chr8       | 71950001   | 71955000 | 6.17E-08 |
| chr8       | 71951001   | 71956000 | 5.51E-08 |
| chr8       | 71971001   | 71976000 | 5.65E-13 |
| chr8       | 71972001   | 71977000 | 1.66E-11 |
| Chr | Start | End   | Value  |
|-----|-------|-------|--------|
| chr8| 72358001 | 72363000 | 6.05E-05 |
| chr8| 72359001 | 72364000 | 0.000419894 |
| chr8| 72387001 | 72392000 | 0.000955603 |
| chr8| 72411001 | 72416000 | 6.08E-09 |
| chr8| 72413001 | 72418000 | 5.41E-09 |
| chr8| 72414001 | 72419000 | 5.25E-07 |
| chr8| 72415001 | 72420000 | 9.92E-09 |
| chr8| 72416001 | 72421000 | 1.64E-05 |
| chr8| 72440001 | 72445000 | 1.44E-05 |
| chr8| 72441001 | 72446000 | 5.65E-06 |
| chr8| 72444001 | 72449000 | 0.000131805 |
| chr8| 72446001 | 72451000 | 0.000839076 |
| chr8| 72453001 | 72458000 | 6.14E-12 |
| chr8| 72454001 | 72459000 | 3.48E-20 |
| chr8| 72469001 | 72474000 | 5.10E-40 |
| chr8| 72470001 | 72475000 | 1.34E-52 |
| chr8| 72471001 | 72476000 | 3.09E-07 |
| chr8| 72472001 | 72477000 | 5.41E-06 |
| chr8| 72473001 | 72478000 | 0.000172341 |
| chr8| 72487001 | 72492000 | 1.36E-06 |
| chr8| 72488001 | 72493000 | 1.35E-07 |
| chr8| 72489001 | 72494000 | 1.73E-13 |
| chr8| 72499001 | 72504000 | 0.003837269 |
| chr8| 72505001 | 72510000 | 3.28E-05 |
| chr8| 72513001 | 72518000 | 2.46E-19 |
| chr8| 72514001 | 72519000 | 2.16E-21 |
| chr8| 72515001 | 72520000 | 1.37E-16 |
| chr8| 72539001 | 72544000 | 0.000167734 |
| chr8| 72540001 | 72545000 | 8.43E-07 |
| chr8| 72543001 | 72548000 | 9.61E-07 |
| chr8| 72544001 | 72549000 | 5.06E-06 |
| chr8| 72550001 | 72555000 | 7.87E-12 |
| chr8| 72551001 | 72556000 | 8.62E-13 |
| chr8| 72552001 | 72557000 | 7.43E-09 |
| chr8| 72594001 | 72599000 | 0.000719727 |
| chr8| 72610001 | 72615000 | 0.016050663 |
| chr8| 72611001 | 72616000 | 1.28E-08 |
| chr8| 72612001 | 72617000 | 3.93E-10 |
| chr8| 72614001 | 72619000 | 4.58E-16 |
| chr8| 72615001 | 72620000 | 1.57E-12 |
| chr8| 72633001 | 72638000 | 0.000304823 |
| chr8| 72634001 | 72639000 | 4.50E-12 |
| chr8| 72642001 | 72647000 | 5.52E-06 |
| chr8| 72643001 | 72648000 | 6.11E-07 |
| chr8| 72644001 | 72649000 | 3.40E-05 |
| chr8| 72645001 | 72650000 | 1.96E-06 |
| chr8| 72648001 | 72653000 | 3.44E-05 |
| chr8  | 72649001 | 72654000 | 6.81E-09 |
|--------|----------|----------|----------|
| chr8  | 72683001 | 72688000 | 0.000256638 |
| chr8  | 72726001 | 72731000 | 1.94E-09 |
| chr8  | 72727001 | 72732000 | 4.10E-09 |
| chr8  | 72835001 | 72840000 | 0.00907373 |
| chr8  | 73244001 | 73249000 | 1.14E-05 |
| chr8  | 73282001 | 73287000 | 0.001636 |
| chr8  | 73375001 | 73380000 | 6.18E-25 |
| chr8  | 75103001 | 75108000 | 0.000167594 |
| chr8  | 75335001 | 75340000 | 1.22E-10 |
| chr8  | 75336001 | 75341000 | 1.53E-05 |
| chr8  | 75337001 | 75342000 | 8.66E-06 |
| chr8  | 75338001 | 75343000 | 1.47E-05 |
| chr8  | 75363001 | 75368000 | 0.012513927 |
| chr8  | 75364001 | 75369000 | 0.000173288 |
| chr8  | 75824001 | 75829000 | 8.43E-05 |
| chr8  | 76111001 | 76116000 | 5.20E-06 |
| chr8  | 76130001 | 76135000 | 6.00E-05 |
| chr8  | 76279001 | 76284000 | 5.42E-06 |
| chr8  | 76539001 | 76544000 | 1.50E-09 |
| chr8  | 76588001 | 76593000 | 0.000437719 |
| chr8  | 76704001 | 76709000 | 3.86E-05 |
| chr8  | 76729001 | 76734000 | 1.61E-09 |
| chr8  | 76730001 | 76735000 | 4.50E-09 |
| chr8  | 76731001 | 76736000 | 1.07E-08 |
| chr8  | 76755001 | 76760000 | 9.81E-06 |
| chr8  | 76756001 | 76761000 | 1.61E-08 |
| chr8  | 76805001 | 76810000 | 0.005057174 |
| chr8  | 76806001 | 76811000 | 0.001699708 |
| chr8  | 76897001 | 76902000 | 0.000477376 |
| chr8  | 76898001 | 76903000 | 0.008921845 |
| chr8  | 77086001 | 77091000 | 9.71E-06 |
| chr8  | 77141001 | 77146000 | 1.53E-05 |
| chr8  | 77142001 | 77147000 | 1.80E-05 |
| chr8  | 77143001 | 77148000 | 1.09E-05 |
| chr8  | 77145001 | 77150000 | 0.000921159 |
| chr8  | 77237001 | 77242000 | 0.000310981 |
| chr8  | 77242001 | 77247000 | 9.99E-07 |
| chr8  | 77243001 | 77248000 | 6.18E-08 |
| chr8  | 77246001 | 77251000 | 1.11E-06 |
| chr8  | 77260001 | 77265000 | 9.74E-08 |
| chr8  | 77267001 | 77272000 | 0.000525414 |
| chr8  | 77282001 | 77287000 | 1.01E-05 |
| chr8  | 77283001 | 77288000 | 3.47E-06 |
| chr8  | 77284001 | 77289000 | 2.84E-06 |
| chr8  | 77352001 | 77357000 | 1.59E-19 |
| chr8  | 77353001 | 77358000 | 3.16E-18 |
| chr8  | 77354001 | 77359000 | 3.01E-13 |
| Chromosome | Start  | End    | Value    |
|------------|--------|--------|----------|
| chr8       | 7737001| 7737800| 0.02849212 |
| chr8       | 7737400| 7737900| 0.026722195 |
| chr8       | 7741400| 7741900| 2.04E-05 |
| chr8       | 7741500| 7742000| 3.38E-05 |
| chr8       | 7745300| 7745800| 0.001433344 |
| chr8       | 7746100| 7746600| 2.93E-06 |
| chr8       | 7747000| 7747500| 0.000144307 |
| chr8       | 7748800| 7749300| 1.75E-05 |
| chr8       | 7750100| 7750600| 0.000440874 |
| chr8       | 7750200| 7750700| 0.000692751 |
| chr8       | 7750300| 7750800| 0.000286952 |
| chr8       | 7750400| 7750900| 0.000291357 |
| chr8       | 7751100| 7751600| 0.000240696 |
| chr8       | 7751700| 7752200| 4.28E-09 |
| chr8       | 7751800| 7752300| 1.01E-07 |
| chr8       | 7753000| 7753500| 7.41E-05 |
| chr8       | 7753200| 7753700| 7.90E-09 |
| chr8       | 7754200| 7754700| 4.30E-07 |
| chr8       | 7757800| 7758300| 0.013718295 |
| chr8       | 7762300| 7762800| 2.05E-08 |
| chr8       | 7762400| 7762900| 2.20E-08 |
| chr8       | 7762500| 7763000| 8.90E-09 |
| chr8       | 7765000| 7765500| 7.86E-06 |
| chr8       | 7765100| 7765600| 9.33E-07 |
| chr8       | 7765200| 7765700| 3.17E-13 |
| chr8       | 7765300| 7765800| 9.06E-14 |
| chr8       | 7765400| 7765900| 7.74E-15 |
| chr8       | 7767200| 7767700| 1.19E-08 |
| chr8       | 7767500| 7768000| 1.60E-10 |
| chr8       | 7767600| 7768100| 5.68E-05 |
| chr8       | 7767700| 7768200| 0.000167456 |
| chr8       | 7768100| 7768600| 8.52E-12 |
| chr8       | 7768200| 7768700| 8.62E-13 |
| chr8       | 7768300| 7768800| 1.18E-13 |
| chr8       | 7768400| 7768900| 6.76E-12 |
| chr8       | 7768500| 7769000| 9.56E-08 |
| chr8       | 7769900| 7770400| 0.007458123 |
| chr8       | 7770300| 7770800| 1.33E-08 |
| chr8       | 7770400| 7770900| 5.23E-08 |
| chr8       | 7770500| 7771000| 1.46E-06 |
| chr8       | 7773500| 7774000| 1.01E-06 |
| chr8       | 7773600| 7774100| 9.19E-08 |
| chr8       | 7773700| 7774200| 6.94E-09 |
| chr8       | 7774000| 7774500| 6.36E-10 |
| chr8       | 7774100| 7774600| 5.68E-11 |
| chr8       | 7774200| 7774700| 8.75E-09 |
| chr8       | 7774300| 7774800| 1.21E-07 |
| chr8       | 7774400| 7774900| 1.10E-08 |
| Chr  | Start    | End      | P-value |
|------|----------|----------|---------|
| chr8 | 77745001 | 77750000 | 8.66E-09 |
| chr8 | 77746001 | 77751000 | 8.12E-09 |
| chr8 | 77747001 | 77752000 | 3.30E-08 |
| chr8 | 77789001 | 77794000 | 1.13E-05 |
| chr8 | 77790001 | 77795000 | 1.07E-05 |
| chr8 | 77797001 | 77802000 | 3.49E-06 |
| chr8 | 77798001 | 77803000 | 9.64E-08 |
| chr8 | 77818001 | 77823000 | 8.57E-06 |
| chr8 | 77820001 | 77825000 | 1.62E-06 |
| chr8 | 77821001 | 77826000 | 1.04E-06 |
| chr8 | 77822001 | 77827000 | 1.15E-05 |
| chr8 | 77836001 | 77841000 | 5.07E-10 |
| chr8 | 77837001 | 77842000 | 4.98E-09 |
| chr8 | 77839001 | 77844000 | 8.34E-10 |
| chr8 | 77840001 | 77845000 | 5.36E-06 |
| chr8 | 77841001 | 77846000 | 0.002438712 |
| chr8 | 77851001 | 77856000 | 3.75E-11 |
| chr8 | 77852001 | 77857000 | 0.000181662 |
| chr8 | 77868001 | 77873000 | 0.0002421149 |
| chr8 | 77869001 | 77874000 | 3.75E-09 |
| chr8 | 77872001 | 77877000 | 2.10E-05 |
| chr8 | 77907001 | 77912000 | 1.67E-08 |
| chr8 | 77946001 | 77951000 | 2.10E-06 |
| chr8 | 77947001 | 77952000 | 1.35E-06 |
| chr8 | 77948001 | 77953000 | 5.48E-07 |
| chr8 | 77961001 | 77966000 | 4.87E-06 |
| chr8 | 77991001 | 77996000 | 1.48E-18 |
| chr8 | 77992001 | 77997000 | 2.96E-17 |
| chr8 | 78020001 | 78025000 | 4.87E-07 |
| chr8 | 78021001 | 78026000 | 3.70E-07 |
| chr8 | 78030001 | 78035000 | 1.70E-07 |
| chr8 | 78060001 | 78065000 | 0.00055609 |
| chr8 | 78073001 | 78078000 | 3.62E-05 |
| chr8 | 78074001 | 78079000 | 0.001859061 |
| chr8 | 78083001 | 78088000 | 0.000225086 |
| chr8 | 78084001 | 78089000 | 9.83E-06 |
| chr8 | 78085001 | 78090000 | 1.13E-06 |
| chr8 | 78086001 | 78091000 | 1.26E-07 |
| chr8 | 78087001 | 78092000 | 2.23E-07 |
| chr8 | 78088001 | 78093000 | 4.40E-16 |
| chr8 | 78089001 | 78094000 | 2.87E-15 |
| chr8 | 78090001 | 78095000 | 8.48E-17 |
| chr8 | 78091001 | 78096000 | 8.68E-17 |
| chr8 | 78092001 | 78097000 | 2.06E-14 |
| chr8 | 78111001 | 78116000 | 6.15E-05 |
| chr8 | 78128001 | 78133000 | 0.002280795 |
| chr8 | 78129001 | 78134000 | 2.95E-06 |
| chr8 | 78140001 | 78145000 | 5.81E-06 |
| Chromosome | Start    | End      | p-value   |
|------------|----------|----------|-----------|
| chr8       | 78141001 | 78146000 | 7.92E-05  |
| chr8       | 78142001 | 78147000 | 0.000247503|
| chr8       | 78143001 | 78148000 | 5.30E-05  |
| chr8       | 78183001 | 78188000 | 0.002881431|
| chr8       | 78201001 | 78206000 | 4.14E-07  |
| chr8       | 78202001 | 78207000 | 2.35E-09  |
| chr8       | 78203001 | 78208000 | 5.03E-11  |
| chr8       | 78204001 | 78209000 | 2.36E-10  |
| chr8       | 78205001 | 78210000 | 1.46E-10  |
| chr8       | 78206001 | 78211000 | 1.23E-06  |
| chr8       | 78207001 | 78212000 | 5.17E-06  |
| chr8       | 78208001 | 78213000 | 2.01E-08  |
| chr8       | 78209001 | 78214000 | 5.72E-08  |
| chr8       | 78210001 | 78215000 | 1.00E-06  |
| chr8       | 78211001 | 78216000 | 3.55E-05  |
| chr8       | 78212001 | 78217000 | 3.91E-06  |
| chr8       | 78285001 | 78290000 | 0.000626999|
| chr8       | 78301001 | 78306000 | 3.13E-06  |
| chr8       | 78302001 | 78307000 | 9.81E-07  |
| chr8       | 78385001 | 78390000 | 0.000449915|
| chr8       | 78386001 | 78391000 | 4.89E-05  |
| chr8       | 78393001 | 78398000 | 0.020155478|
| chr8       | 78396001 | 78401000 | 0.002240239|
| chr8       | 78402001 | 78407000 | 0.000319379|
| chr8       | 78410001 | 78415000 | 0.00053282 |
| chr8       | 78411001 | 78416000 | 0.000467669|
| chr8       | 78414001 | 78419000 | 0.00034154 |
| chr8       | 78438001 | 78443000 | 0.007652738|
| chr8       | 78469001 | 78474000 | 0.000662327|
| chr8       | 78482001 | 78487000 | 2.69E-10  |
| chr8       | 78498001 | 78503000 | 2.76E-08  |
| chr8       | 78500001 | 78505000 | 2.39E-06  |
| chr8       | 78514001 | 78519000 | 3.54E-07  |
| chr8       | 78548001 | 78553000 | 5.38E-08  |
| chr8       | 78584001 | 78589000 | 5.19E-06  |
| chr8       | 78585001 | 78590000 | 1.84E-06  |
| chr8       | 78586001 | 78591000 | 1.77E-07  |
| chr8       | 78587001 | 78592000 | 1.15E-05  |
| chr8       | 78663001 | 78668000 | 4.52E-06  |
| chr8       | 78683001 | 78688000 | 2.90E-06  |
| chr8       | 78694001 | 78699000 | 8.34E-06  |
| chr8       | 78695001 | 78700000 | 9.18E-09  |
| chr8       | 78702001 | 78707000 | 2.38E-08  |
| chr8       | 78715001 | 78720000 | 3.74E-05  |
| chr8       | 78747001 | 78752000 | 1.69E-05  |
| chr8       | 78748001 | 78753000 | 0.000348448|
| chr8       | 78770001 | 78775000 | 0.000837078|
| chr8       | 78771001 | 78776000 | 0.001339065|
| Chrom | Start | End   | Value       |
|-------|-------|-------|-------------|
| chr8  | 78774001 | 78779000 | 4.80E-05    |
| chr8  | 78801001 | 78806000 | 0.000116817 |
| chr8  | 78808001 | 78813000 | 5.67E-12    |
| chr8  | 78809001 | 78814000 | 6.54E-10    |
| chr8  | 78812001 | 78817000 | 4.38E-10    |
| chr8  | 78815001 | 78820000 | 0.000857317 |
| chr8  | 78834001 | 78839000 | 3.03E-05    |
| chr8  | 78835001 | 78840000 | 8.15E-05    |
| chr8  | 78866001 | 78871000 | 7.51E-25    |
| chr8  | 78867001 | 78872000 | 3.91E-18    |
| chr8  | 78868001 | 78873000 | 1.02E-18    |
| chr8  | 78869001 | 78874000 | 1.25E-22    |
| chr8  | 78870001 | 78875000 | 0.000164978 |
| chr8  | 78871001 | 78876000 | 5.33E-05    |
| chr8  | 78872001 | 78877000 | 7.15E-10    |
| chr8  | 78873001 | 78878000 | 3.22E-09    |
| chr8  | 78874001 | 78879000 | 1.77E-08    |
| chr8  | 78875001 | 78880000 | 1.72E-08    |
| chr8  | 78876001 | 78881000 | 5.18E-07    |
| chr8  | 78877001 | 78882000 | 3.93E-05    |
| chr8  | 78929001 | 78934000 | 9.50E-06    |
| chr8  | 78930001 | 78935000 | 3.63E-06    |
| chr8  | 78931001 | 78936000 | 1.47E-06    |
| chr8  | 78932001 | 78937000 | 6.62E-07    |
| chr8  | 78933001 | 78938000 | 7.10E-05    |
| chr8  | 78942001 | 78947000 | 2.62E-05    |
| chr8  | 78962001 | 78967000 | 3.58E-09    |
| chr8  | 78963001 | 78968000 | 6.33E-10    |
| chr8  | 78964001 | 78969000 | 4.28E-08    |
| chr8  | 78965001 | 78970000 | 1.41E-06    |
| chr8  | 78966001 | 78971000 | 1.23E-07    |
| chr8  | 78974001 | 78979000 | 0.000589306 |
| chr8  | 78975001 | 78980000 | 8.08E-11    |
| chr8  | 78976001 | 78981000 | 5.59E-11    |
| chr8  | 78977001 | 78982000 | 3.92E-10    |
| chr8  | 78978001 | 78983000 | 1.24E-08    |
| chr8  | 78979001 | 78984000 | 3.14E-06    |
| chr8  | 78984001 | 78989000 | 9.77E-05    |
| chr8  | 78985001 | 78990000 | 2.52E-05    |
| chr8  | 78992001 | 78997000 | 7.00E-13    |
| chr8  | 78993001 | 78998000 | 8.38E-13    |
| chr8  | 78994001 | 78999000 | 2.69E-12    |
| chr8  | 78995001 | 79000000 | 2.52E-12    |
| chr8  | 79041001 | 79046000 | 0.000188331 |
| chr8  | 79042001 | 79047000 | 4.83E-07    |
| chr8  | 79043001 | 79048000 | 5.30E-10    |
| chr8  | 79044001 | 79049000 | 6.81E-11    |
| chr8  | 79045001 | 79050000 | 8.40E-13    |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr8       | 79046001       | 79051000     | 1.70E-08       |
| chr8       | 79047001       | 79052000     | 2.36E-06       |
| chr8       | 79048001       | 79053000     | 0.001194113    |
| chr8       | 79052001       | 79057000     | 0.000190474    |
| chr8       | 79054001       | 79059000     | 0.00127035     |
| chr8       | 79055001       | 79060000     | 0.000587692    |
| chr8       | 79063001       | 79068000     | 1.87E-06       |
| chr8       | 79064001       | 79069000     | 7.11E-05       |
| chr8       | 79065001       | 79070000     | 6.50E-07       |
| chr8       | 79086001       | 79091000     | 0.000712871    |
| chr8       | 79087001       | 79092000     | 4.15E-07       |
| chr8       | 79088001       | 79093000     | 4.00E-06       |
| chr8       | 79089001       | 79094000     | 2.44E-06       |
| chr8       | 79144001       | 79149000     | 1.53E-05       |
| chr8       | 79174001       | 79179000     | 8.12E-06       |
| chr8       | 79175001       | 79180000     | 1.22E-05       |
| chr8       | 79176001       | 79181000     | 5.72E-05       |
| chr8       | 79181001       | 79186000     | 8.97E-05       |
| chr8       | 79182001       | 79187000     | 0.000113628    |
| chr8       | 79194001       | 79199000     | 1.14E-07       |
| chr8       | 79195001       | 79200000     | 1.24E-07       |
| chr8       | 79211001       | 79216000     | 0.001169842    |
| chr8       | 79290001       | 79295000     | 2.40E-08       |
| chr8       | 79291001       | 79296000     | 1.43E-07       |
| chr8       | 79298001       | 79303000     | 7.14E-06       |
| chr8       | 79299001       | 79304000     | 0.000113991    |
| chr8       | 79346001       | 79351000     | 1.66E-06       |
| chr8       | 79365001       | 79370000     | 1.81E-06       |
| chr8       | 79372001       | 79377000     | 0.000524682    |
| chr8       | 79391001       | 79396000     | 1.68E-07       |
| chr8       | 79392001       | 79397000     | 6.84E-10       |
| chr8       | 79468001       | 79473000     | 6.96E-14       |
| chr8       | 79469001       | 79474000     | 7.54E-14       |
| chr8       | 79470001       | 79475000     | 2.63E-15       |
| chr8       | 79471001       | 79476000     | 1.07E-15       |
| chr8       | 79652001       | 79657000     | 6.39E-10       |
| chr8       | 79770001       | 79775000     | 1.20E-17       |
| chr8       | 79827001       | 79832000     | 2.81E-05       |
| chr8       | 79866001       | 79871000     | 9.63E-10       |
| chr8       | 79921001       | 79926000     | 0.000520606    |
| chr8       | 79922001       | 79927000     | 0.000488749    |
| chr8       | 79937001       | 79942000     | 0.000237384    |
| chr8       | 79938001       | 79943000     | 0.000258768    |
| chr8       | 79952001       | 79957000     | 9.06E-05       |
| chr8       | 79954001       | 79959000     | 0.001434632    |
| chr8       | 79958001       | 79963000     | 0.004766932    |
| chr8       | 79962001       | 79967000     | 5.62E-05       |
| chr8       | 79975001       | 79980000     | 7.06E-07       |
| Chr  | Start | End   | Value          |
|------|-------|-------|----------------|
| chr8 | 80065001 | 80070000 | 0.000330436    |
| chr8 | 80160001 | 80165000 | 1.48E-06       |
| chr8 | 80161001 | 80166000 | 4.76E-07       |
| chr8 | 80162001 | 80167000 | 9.01E-06       |
| chr8 | 80163001 | 80168000 | 0.000116848    |
| chr8 | 80164001 | 80169000 | 6.97E-05       |
| chr8 | 80165001 | 80170000 | 0.000122404    |
| chr8 | 80177001 | 80182000 | 0.000103377    |
| chr8 | 80189001 | 80194000 | 1.44E-07       |
| chr8 | 80190001 | 80195000 | 7.26E-06       |
| chr8 | 80191001 | 80196000 | 8.77E-05       |
| chr8 | 80192001 | 80197000 | 1.24E-05       |
| chr8 | 80211001 | 80216000 | 8.91E-36       |
| chr8 | 80223001 | 80228000 | 8.75E-05       |
| chr8 | 80268001 | 80273000 | 3.72E-08       |
| chr8 | 80269001 | 80274000 | 1.02E-09       |
| chr8 | 80270001 | 80275000 | 2.13E-09       |
| chr8 | 80325001 | 80330000 | 6.06E-09       |
| chr8 | 80365001 | 80370000 | 0.001581058    |
| chr8 | 80381001 | 80386000 | 0.000141866    |
| chr8 | 80430001 | 80435000 | 4.22E-10       |
| chr8 | 80431001 | 80436000 | 1.91E-11       |
| chr8 | 80432001 | 80437000 | 3.75E-09       |
| chr8 | 80433001 | 80438000 | 7.84E-08       |
| chr8 | 80507001 | 80512000 | 1.36E-06       |
| chr8 | 80508001 | 80513000 | 9.04E-07       |
| chr8 | 80509001 | 80514000 | 7.58E-08       |
| chr8 | 80510001 | 80515000 | 5.61E-07       |
| chr8 | 80548001 | 80553000 | 2.40E-05       |
| chr8 | 81954001 | 81959000 | 5.75E-08       |
| chr8 | 82042001 | 82047000 | 3.47E-15       |
| chr8 | 82158001 | 82163000 | 4.53E-05       |
| chr8 | 82186001 | 82191000 | 0.000187503    |
| chr8 | 82362001 | 82367000 | 7.61E-05       |
| chr8 | 82363001 | 82368000 | 1.43E-05       |
| chr8 | 82364001 | 82369000 | 7.13E-05       |
| chr8 | 82859001 | 82864000 | 0.002444006    |
| chr8 | 82860001 | 82865000 | 0.001810044    |
| chr8 | 82867001 | 82872000 | 1.31E-05       |
| chr8 | 82911001 | 82916000 | 1.50E-06       |
| chr8 | 82912001 | 82917000 | 1.32E-07       |
| chr8 | 82913001 | 82918000 | 1.88E-05       |
| chr8 | 82914001 | 82919000 | 7.55E-08       |
| chr8 | 82917001 | 82922000 | 5.52E-08       |
| chr8 | 82918001 | 82923000 | 5.93E-08       |
| chr8 | 82944001 | 82949000 | 3.54E-05       |
| chr8 | 82945001 | 82950000 | 0.00050045     |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr8       | 82946001       | 82951000     | 0.002091911 |
| chr8       | 82947001       | 82952000     | 0.000663094 |
| chr8       | 82949001       | 82954000     | 1.78E-11   |
| chr8       | 82950001       | 82955000     | 2.83E-12   |
| chr8       | 82951001       | 82956000     | 8.24E-12   |
| chr8       | 82952001       | 82957000     | 4.93E-11   |
| chr8       | 82953001       | 82958000     | 1.34E-10   |
| chr8       | 82954001       | 82959000     | 1.78E-11   |
| chr8       | 82956001       | 82961000     | 1.17E-09   |
| chr8       | 82962001       | 82967000     | 2.08E-06   |
| chr8       | 82972001       | 82977000     | 9.29E-11   |
| chr8       | 83028001       | 83033000     | 0.002611749 |
| chr8       | 83100001       | 83105000     | 2.50E-42   |
| chr8       | 83128001       | 83133000     | 1.36E-09   |
| chr8       | 83129001       | 83134000     | 7.02E-10   |
| chr8       | 83130001       | 83135000     | 0.000135225 |
| chr8       | 83152001       | 83157000     | 3.38E-07   |
| chr8       | 83153001       | 83158000     | 2.49E-09   |
| chr8       | 83154001       | 83159000     | 1.00E-12   |
| chr8       | 83155001       | 83160000     | 3.89E-11   |
| chr8       | 83156001       | 83161000     | 5.78E-10   |
| chr8       | 83189001       | 83194000     | 0.000415868 |
| chr8       | 83190001       | 83195000     | 5.37E-07   |
| chr8       | 83203001       | 83208000     | 2.26E-08   |
| chr8       | 83218001       | 83223000     | 0.001686441 |
| chr8       | 83248001       | 83253000     | 7.11E-11   |
| chr8       | 83249001       | 83254000     | 2.67E-10   |
| chr8       | 83319001       | 83324000     | 5.98E-10   |
| chr8       | 83340001       | 83345000     | 2.89E-05   |
| chr8       | 83364001       | 83369000     | 6.08E-18   |
| chr8       | 83387001       | 83392000     | 5.94E-07   |
| chr8       | 83388001       | 83393000     | 4.01E-07   |
| chr8       | 83389001       | 83394000     | 6.77E-08   |
| chr8       | 83399001       | 83395000     | 4.81E-07   |
| chr8       | 83398001       | 83403000     | 4.71E-09   |
| chr8       | 83399001       | 83404000     | 2.92E-09   |
| chr8       | 83400001       | 83405000     | 3.07E-10   |
| chr8       | 83401001       | 83406000     | 8.05E-12   |
| chr8       | 83402001       | 83407000     | 2.09E-09   |
| chr8       | 83423001       | 83428000     | 0.000546693 |
| chr8       | 83431001       | 83436000     | 7.69E-05   |
| chr8       | 83432001       | 83437000     | 0.002149124 |
| chr8       | 83447001       | 83452000     | 7.94E-24   |
| chr8       | 83448001       | 83453000     | 6.51E-22   |
| chr8       | 83449001       | 83454000     | 6.51E-12   |
| chr8       | 83455001       | 83460000     | 4.06E-06   |
| chr8       | 83456001       | 83461000     | 0.003516463 |
| chr8       | 83457001       | 83462000     | 0.002369188 |
| chr8       | 83466001       | 83471000     | 8.44E-05   |
| Chr  | Start  | End   | Value     |
|------|--------|-------|-----------|
| chr8 | 83467001 | 83472000 | 1.09E-05  |
| chr8 | 83468001 | 83473000 | 1.46E-06  |
| chr8 | 83485001 | 83490000 | 0.000211917 |
| chr8 | 83486001 | 83491000 | 0.000101452 |
| chr8 | 83489001 | 83494000 | 2.41E-10  |
| chr8 | 83490001 | 83495000 | 1.76E-12  |
| chr8 | 83509001 | 83514000 | 7.78E-14  |
| chr8 | 83510001 | 83515000 | 1.67E-16  |
| chr8 | 83512001 | 83517000 | 1.27E-14  |
| chr8 | 83519001 | 83524000 | 3.28E-11  |
| chr8 | 83520001 | 83525000 | 5.47E-15  |
| chr8 | 83521001 | 83526000 | 1.65E-13  |
| chr8 | 83522001 | 83527000 | 1.26E-15  |
| chr8 | 83523001 | 83528000 | 1.72E-11  |
| chr8 | 83524001 | 83529000 | 1.26E-10  |
| chr8 | 83525001 | 83530000 | 5.20E-08  |
| chr8 | 83526001 | 83531000 | 6.27E-09  |
| chr8 | 83547001 | 83552000 | 2.55E-15  |
| chr8 | 83548001 | 83553000 | 1.22E-16  |
| chr8 | 83549001 | 83554000 | 2.84E-16  |
| chr8 | 83550001 | 83555000 | 2.76E-14  |
| chr8 | 83551001 | 83556000 | 3.74E-13  |
| chr8 | 83571001 | 83576000 | 1.22E-14  |
| chr8 | 83572001 | 83577000 | 4.08E-16  |
| chr8 | 83573001 | 83578000 | 3.53E-14  |
| chr8 | 83643001 | 83648000 | 0.000187415 |
| chr8 | 83644001 | 83649000 | 3.01E-09  |
| chr8 | 83645001 | 83650000 | 1.13E-10  |
| chr8 | 83646001 | 83651000 | 5.77E-09  |
| chr8 | 83647001 | 83652000 | 3.65E-07  |
| chr8 | 83657001 | 83662000 | 0.000452393 |
| chr8 | 83684001 | 83689000 | 2.81E-12  |
| chr8 | 83687001 | 83692000 | 0.002211213 |
| chr8 | 83688001 | 83693000 | 0.010793194 |
| chr8 | 83700001 | 83705000 | 3.29E-05  |
| chr8 | 83738001 | 83743000 | 2.72E-07  |
| chr8 | 83787001 | 83792000 | 1.61E-05  |
| chr8 | 83788001 | 83793000 | 8.52E-13  |
| chr8 | 83789001 | 83794000 | 1.23E-22  |
| chr8 | 83810001 | 83815000 | 3.78E-05  |
| chr8 | 83854001 | 83859000 | 1.87E-11  |
| chr8 | 83855001 | 83860000 | 1.78E-18  |
| chr8 | 83878001 | 83883000 | 1.76E-06  |
| chr8 | 83879001 | 83884000 | 3.42E-08  |
| chr8 | 83880001 | 83885000 | 2.24E-06  |
| chr8 | 83887001 | 83892000 | 5.85E-05  |
| chr8 | 83888001 | 83893000 | 0.000804325 |
| Chr  | Start | End   | Value      |
|------|-------|-------|------------|
| chr8 | 83889001 | 83890000 | 0.000939412 |
| chr8 | 839112001 | 83912000 | 0.02463006 |
| chr8 | 839130001 | 83914000 | 0.012738203 |
| chr8 | 839140001 | 83915000 | 0.021284185 |
| chr8 | 839160001 | 83917000 | 0.004228711 |
| chr8 | 839290001 | 83930000 | 1.54E-06 |
| chr8 | 839330001 | 83934000 | 5.90E-09 |
| chr8 | 839330001 | 83935000 | 8.39E-08 |
| chr8 | 839400001 | 83941000 | 4.46E-06 |
| chr8 | 839430001 | 83944000 | 0.000358763 |
| chr8 | 839430001 | 83945000 | 0.000253123 |
| chr8 | 839450001 | 83946000 | 0.000861064 |
| chr8 | 839460001 | 83950000 | 0.000375211 |
| chr8 | 839630001 | 83966000 | 1.06E-22 |
| chr8 | 839660001 | 83969000 | 1.89E-23 |
| chr8 | 839690001 | 83970000 | 5.11E-18 |
| chr8 | 839660001 | 83971000 | 4.67E-15 |
| chr8 | 840160001 | 84017000 | 4.68E-08 |
| chr8 | 840170001 | 84022000 | 4.18E-10 |
| chr8 | 840180001 | 84023000 | 1.38E-09 |
| chr8 | 840560001 | 84061000 | 3.55E-07 |
| chr8 | 840570001 | 84062000 | 4.32E-07 |
| chr8 | 840740001 | 84079000 | 1.53E-05 |
| chr8 | 840750001 | 84080000 | 7.50E-06 |
| chr8 | 841280001 | 84133000 | 5.14E-08 |
| chr8 | 841290001 | 84134000 | 1.96E-12 |
| chr8 | 841300001 | 84135000 | 5.30E-07 |
| chr8 | 841310001 | 84136000 | 2.07E-05 |
| chr8 | 841480001 | 84153000 | 5.63E-05 |
| chr8 | 841500001 | 84155000 | 4.07E-11 |
| chr8 | 841510001 | 84156000 | 1.56E-09 |
| chr8 | 841520001 | 84157000 | 6.84E-10 |
| chr8 | 841530001 | 84158000 | 3.32E-09 |
| chr8 | 841540001 | 84159000 | 9.93E-12 |
| chr8 | 841550001 | 84160000 | 0.002487954 |
| chr8 | 841880001 | 84193000 | 1.16E-07 |
| chr8 | 841890001 | 84194000 | 6.36E-06 |
| chr8 | 841900001 | 84195000 | 6.54E-05 |
| chr8 | 841910001 | 84196000 | 4.23E-05 |
| chr8 | 841920001 | 84197000 | 7.26E-05 |
| chr8 | 842200001 | 84225000 | 1.57E-09 |
| chr8 | 842420001 | 84247000 | 2.47E-07 |
| chr8 | 843790001 | 84384000 | 5.27E-06 |
| chr8 | 843920001 | 84397000 | 6.88E-07 |
| chr8 | 844520001 | 84457000 | 4.35E-11 |
| chr8 | 844970001 | 84502000 | 0.019523258 |
| chr8 | 845000001 | 84505000 | 0.002724209 |
| chr8 | 845010001 | 84506000 | 0.001636455 |
| Chr  | Start | End   | Value     |
|------|-------|-------|-----------|
| chr8 | 84506001 | 84511000 | 1.23E-06  |
| chr8 | 84507001 | 84512000 | 8.80E-07  |
| chr8 | 84508001 | 84513000 | 6.47E-06  |
| chr8 | 84510001 | 84515000 | 4.68E-15  |
| chr8 | 84511001 | 84516000 | 9.77E-15  |
| chr8 | 84523001 | 84528000 | 3.76E-15  |
| chr8 | 84532001 | 84537000 | 1.43E-10  |
| chr8 | 84533001 | 84538000 | 1.64E-17  |
| chr8 | 84534001 | 84539000 | 1.83E-15  |
| chr8 | 84535001 | 84540000 | 5.38E-14  |
| chr8 | 84536001 | 84541000 | 3.91E-07  |
| chr8 | 84566001 | 84571000 | 3.66E-09  |
| chr8 | 84567001 | 84572000 | 4.58E-10  |
| chr8 | 84568001 | 84573000 | 3.41E-09  |
| chr8 | 84582001 | 84587000 | 5.33E-05  |
| chr8 | 84583001 | 84588000 | 5.25E-05  |
| chr8 | 84584001 | 84589000 | 0.000171538|
| chr8 | 84585001 | 84590000 | 0.000228744|
| chr8 | 84586001 | 84591000 | 5.21E-05  |
| chr8 | 84587001 | 84592000 | 0.002721356|
| chr8 | 84600001 | 84605000 | 0.000322197|
| chr8 | 84601001 | 84606000 | 2.72E-09  |
| chr8 | 84631001 | 84636000 | 1.81E-15  |
| chr8 | 84638001 | 84643000 | 3.05E-07  |
| chr8 | 84648001 | 84653000 | 0.000637601|
| chr8 | 84649001 | 84654000 | 4.51E-05  |
| chr8 | 84650001 | 84655000 | 0.000151089|
| chr8 | 84683001 | 84688000 | 4.35E-12  |
| chr8 | 84684001 | 84689000 | 1.09E-12  |
| chr8 | 84685001 | 84690000 | 7.94E-14  |
| chr8 | 84687001 | 84692000 | 2.65E-12  |
| chr8 | 84691001 | 84696000 | 0.004589196|
| chr8 | 84709001 | 84714000 | 3.88E-05  |
| chr8 | 84710001 | 84715000 | 2.12E-13  |
| chr8 | 84711001 | 84716000 | 8.91E-12  |
| chr8 | 84712001 | 84717000 | 1.86E-13  |
| chr8 | 84713001 | 84718000 | 1.13E-11  |
| chr8 | 84714001 | 84719000 | 5.54E-11  |
| chr8 | 84738001 | 84743000 | 9.55E-06  |
| chr8 | 84745001 | 84750000 | 1.26E-08  |
| chr8 | 84746001 | 84751000 | 7.49E-09  |
| chr8 | 84747001 | 84752000 | 9.61E-09  |
| chr8 | 84748001 | 84753000 | 1.74E-08  |
| chr8 | 84749001 | 84754000 | 1.24E-05  |
| chr8 | 84750001 | 84755000 | 0.000510033|
| chr8 | 84751001 | 84756000 | 2.53E-05  |
| chr8 | 84752001 | 84757000 | 4.99E-06  |
| chr8 | 84775001 | 84780000 | 0.00074427 |
| Chromosome | Start Base | End Base | P-value |
|------------|------------|----------|---------|
| chr8       | 84829001   | 84834000 | 0.000195495 |
| chr8       | 84831001   | 84836000 | 1.46E-05  |
| chr8       | 84832001   | 84837000 | 1.49E-07  |
| chr8       | 84833001   | 84838000 | 2.36E-08  |
| chr8       | 84839001   | 84844000 | 1.73E-12  |
| chr8       | 84840001   | 84845000 | 2.65E-12  |
| chr8       | 84841001   | 84846000 | 4.17E-11  |
| chr8       | 84842001   | 84847000 | 4.78E-10  |
| chr8       | 84843001   | 84848000 | 1.43E-09  |
| chr8       | 84878001   | 84883000 | 2.96E-11  |
| chr8       | 84887001   | 84892000 | 2.06E-05  |
| chr8       | 84888001   | 84893000 | 6.29E-06  |
| chr8       | 84890001   | 84895000 | 7.93E-09  |
| chr8       | 84923001   | 84928000 | 0.000227712 |
| chr8       | 84944001   | 84949000 | 2.48E-06  |
| chr8       | 84950001   | 84955000 | 2.93E-05  |
| chr8       | 84971001   | 84976000 | 1.20E-10  |
| chr8       | 84972001   | 84977000 | 2.77E-11  |
| chr8       | 84973001   | 84978000 | 6.70E-09  |
| chr8       | 85003001   | 85008000 | 0.003313095 |
| chr8       | 85004001   | 85009000 | 0.003224504 |
| chr8       | 85005001   | 85010000 | 0.001113171 |
| chr8       | 85012001   | 85017000 | 0.000785037 |
| chr8       | 85025001   | 85030000 | 3.56E-06  |
| chr8       | 85026001   | 85031000 | 8.77E-06  |
| chr8       | 85027001   | 85032000 | 6.67E-07  |
| chr8       | 85028001   | 85033000 | 1.22E-08  |
| chr8       | 85029001   | 85034000 | 1.02E-08  |
| chr8       | 85030001   | 85035000 | 1.98E-09  |
| chr8       | 85031001   | 85036000 | 1.92E-12  |
| chr8       | 85032001   | 85037000 | 3.91E-12  |
| chr8       | 85049001   | 85054000 | 0.001116286 |
| chr8       | 85077001   | 85082000 | 3.93E-09  |
| chr8       | 85084001   | 85089000 | 0.003362541 |
| chr8       | 85085001   | 85090000 | 0.000103636 |
| chr8       | 85099001   | 85104000 | 0.006931181 |
| chr8       | 85100001   | 85105000 | 0.001871782 |
| chr8       | 85101001   | 85106000 | 0.002483414 |
| chr8       | 85118001   | 85123000 | 4.80E-05  |
| chr8       | 85119001   | 85124000 | 9.83E-06  |
| chr8       | 85120001   | 85125000 | 3.28E-08  |
| chr8       | 85121001   | 85126000 | 1.21E-08  |
| chr8       | 85122001   | 85127000 | 1.61E-07  |
| chr8       | 85147001   | 85152000 | 6.62E-12  |
| chr8       | 85148001   | 85153000 | 2.07E-13  |
| chr8       | 85149001   | 85154000 | 1.56E-21  |
| chr8       | 85150001   | 85155000 | 6.01E-21  |
| chr8       | 85151001   | 85156000 | 4.44E-18  |
| Chromosome | Start | End | Value   |
|------------|------|-----|---------|
| chr8       | 85152001 | 85157000 | 1.03E-10 |
| chr8       | 85153001 | 85158000 | 1.59E-11 |
| chr8       | 85154001 | 85159000 | 2.37E-05 |
| chr8       | 85155001 | 85160000 | 3.61E-05 |
| chr8       | 85156001 | 85161000 | 1.71E-05 |
| chr8       | 85157001 | 85162000 | 1.79E-05 |
| chr8       | 85198001 | 85203000 | 1.79E-11 |
| chr8       | 85199001 | 85204000 | 5.95E-08 |
| chr8       | 85201001 | 85206000 | 1.12E-06 |
| chr8       | 85202001 | 85207000 | 5.64E-06 |
| chr8       | 85248001 | 85253000 | 0.004483048 |
| chr8       | 85257001 | 85262000 | 0.001368497 |
| chr8       | 85258001 | 85263000 | 0.000361729 |
| chr8       | 85260001 | 85265000 | 3.42E-05 |
| chr8       | 85261001 | 85266000 | 2.77E-05 |
| chr8       | 85270001 | 85275000 | 1.06E-05 |
| chr8       | 85271001 | 85276000 | 1.45E-06 |
| chr8       | 85272001 | 85277000 | 1.11E-05 |
| chr8       | 85281001 | 85286000 | 0.000236157 |
| chr8       | 85284001 | 85289000 | 5.63E-07 |
| chr8       | 85285001 | 85290000 | 0.000126786 |
| chr8       | 85295001 | 85300000 | 0.0000359149 |
| chr8       | 85309001 | 85314000 | 9.50E-10 |
| chr8       | 85310001 | 85315000 | 1.49E-09 |
| chr8       | 85343001 | 85348000 | 0.000046293 |
| chr8       | 85344001 | 85349000 | 5.26E-05 |
| chr8       | 85347001 | 85352000 | 3.88E-05 |
| chr8       | 85348001 | 85353000 | 2.16E-05 |
| chr8       | 85351001 | 85356000 | 2.14E-05 |
| chr8       | 85354001 | 85359000 | 0.000137162 |
| chr8       | 85355001 | 85360000 | 1.82E-11 |
| chr8       | 85356001 | 85361000 | 2.35E-15 |
| chr8       | 85357001 | 85362000 | 7.24E-12 |
| chr8       | 85358001 | 85363000 | 1.08E-10 |
| chr8       | 85359001 | 85364000 | 5.77E-08 |
| chr8       | 85393001 | 85398000 | 3.37E-08 |
| chr8       | 85394001 | 85399000 | 5.61E-08 |
| chr8       | 85395001 | 85400000 | 5.26E-08 |
| chr8       | 85396001 | 85401000 | 1.87E-09 |
| chr8       | 85397001 | 85402000 | 3.95E-11 |
| chr8       | 85461001 | 85466000 | 4.09E-05 |
| chr8       | 85462001 | 85467000 | 0.000276755 |
| chr8       | 85463001 | 85468000 | 0.001516146 |
| chr8       | 85464001 | 85469000 | 0.001657477 |
| chr8       | 85465001 | 85470000 | 0.001730033 |
| chr8       | 85497001 | 85502000 | 5.35E-08 |
| chr8       | 85498001 | 85503000 | 1.05E-09 |
| chr8       | 85505001 | 85510000 | 0.005266564 |
| Chromosome | Start | End   | Value       |
|------------|-------|-------|-------------|
| chr8       | 85517001 | 85522000 | 1.12E-11    |
| chr8       | 85519001 | 85524000 | 1.22E-11    |
| chr8       | 85534001 | 85539000 | 0.000139526 |
| chr8       | 85713001 | 85718000 | 9.56E-05     |
| chr8       | 85714001 | 85719000 | 2.14E-05     |
| chr8       | 85730001 | 85735000 | 6.69E-06     |
| chr8       | 85765001 | 85770000 | 4.99E-12     |
| chr8       | 85766001 | 85771000 | 3.31E-10     |
| chr8       | 85789001 | 85794000 | 0.006162318  |
| chr8       | 85790001 | 85795000 | 0.005159042  |
| chr8       | 85794001 | 85799000 | 0.01092515   |
| chr8       | 85795001 | 85800000 | 5.83E-05     |
| chr8       | 85796001 | 85801000 | 0.00538833   |
| chr8       | 85797001 | 85802000 | 0.00354693   |
| chr8       | 85803001 | 85808000 | 5.68E-10     |
| chr8       | 85804001 | 85809000 | 2.41E-09     |
| chr8       | 85805001 | 85810000 | 5.01E-07     |
| chr8       | 85806001 | 85811000 | 3.40E-07     |
| chr8       | 85819001 | 85824000 | 0.00376313   |
| chr8       | 85854001 | 85859000 | 1.49E-09     |
| chr8       | 85855001 | 85860000 | 2.29E-08     |
| chr8       | 85869001 | 85874000 | 3.82E-06     |
| chr8       | 85880001 | 85885000 | 2.07E-05     |
| chr8       | 85898001 | 85903000 | 0.002994162  |
| chr8       | 85900001 | 85905000 | 3.42E-09     |
| chr8       | 85901001 | 85906000 | 1.20E-11     |
| chr8       | 85902001 | 85907000 | 2.70E-10     |
| chr8       | 85903001 | 85908000 | 5.48E-12     |
| chr8       | 85904001 | 85909000 | 9.28E-17     |
| chr8       | 86011001 | 86016000 | 1.75E-09     |
| chr8       | 86176001 | 86181000 | 7.72E-08     |
| chr8       | 86177001 | 86182000 | 3.02E-07     |
| chr8       | 86339001 | 86344000 | 6.73E-08     |
| chr8       | 86340001 | 86345000 | 1.15E-08     |
| chr8       | 86341001 | 86346000 | 1.24E-07     |
| chr8       | 86414001 | 86419000 | 3.97E-06     |
| chr8       | 86501001 | 86506000 | 5.56E-05     |
| chr8       | 86994001 | 86999000 | 3.44E-05     |
| chr8       | 87066001 | 87071000 | 3.27E-08     |
| chr8       | 87067001 | 87072000 | 1.92E-08     |
| chr8       | 87099001 | 87104000 | 1.19E-05     |
| chr8       | 87100001 | 87105000 | 6.04E-10     |
| chr8       | 87101001 | 87106000 | 1.12E-11     |
| chr8       | 87126001 | 87131000 | 4.00E-11     |
| chr8       | 87192001 | 87197000 | 1.15E-05     |
| chr8       | 87194001 | 87199000 | 2.06E-07     |
| chr8       | 87226001 | 87231000 | 1.00E-07     |
| chr8       | 87227001 | 87232000 | 2.47E-07     |
| Chro | Start | End   | p    |
|------|-------|-------|------|
| chr8 | 87228001 | 87233000 | 9.78E-08 |
| chr8 | 87229001 | 87234000 | 3.48E-07 |
| chr8 | 87230001 | 87235000 | 1.36E-08 |
| chr8 | 87231001 | 87236000 | 4.01E-08 |
| chr8 | 87232001 | 87237000 | 1.33E-06 |
| chr8 | 87259001 | 87264000 | 1.09E-05 |
| chr8 | 87260001 | 87265000 | 5.61E-08 |
| chr8 | 87316001 | 87321000 | 1.66E-07 |
| chr8 | 87317001 | 87322000 | 4.89E-08 |
| chr8 | 87318001 | 87323000 | 9.25E-11 |
| chr8 | 87594001 | 87599000 | 0.000136902 |
| chr8 | 87628001 | 87633000 | 1.75E-08 |
| chr8 | 87629001 | 87634000 | 1.16E-08 |
| chr8 | 87630001 | 87635000 | 1.14E-12 |
| chr8 | 87631001 | 87636000 | 6.58E-12 |
| chr8 | 87663001 | 87668000 | 1.10E-06 |
| chr8 | 87664001 | 87669000 | 1.70E-07 |
| chr8 | 87683001 | 87688000 | 6.01E-09 |
| chr8 | 87705001 | 87710000 | 1.17E-21 |
| chr8 | 87767001 | 87772000 | 0.0005662 |
| chr8 | 87788001 | 87793000 | 3.96E-07 |
| chr8 | 87837001 | 87842000 | 9.89E-10 |
| chr8 | 87838001 | 87843000 | 1.65E-10 |
| chr8 | 87839001 | 87844000 | 5.08E-12 |
| chr8 | 87840001 | 87845000 | 1.17E-08 |
| chr8 | 87841001 | 87846000 | 1.68E-08 |
| chr8 | 87844001 | 87849000 | 0.000684864 |
| chr8 | 87848001 | 87853000 | 1.07E-05 |
| chr8 | 87863001 | 87868000 | 9.87E-08 |
| chr8 | 87864001 | 87869000 | 3.77E-08 |
| chr8 | 87865001 | 87870000 | 2.54E-09 |
| chr8 | 87866001 | 87871000 | 7.41E-08 |
| chr8 | 87867001 | 87872000 | 5.07E-10 |
| chr8 | 87883001 | 87888000 | 2.02E-09 |
| chr8 | 87884001 | 87889000 | 2.29E-09 |
| chr8 | 87885001 | 87890000 | 8.43E-09 |
| chr8 | 87888001 | 87893000 | 3.82E-10 |
| chr8 | 87889001 | 87894000 | 5.64E-11 |
| chr8 | 87890001 | 87895000 | 1.78E-09 |
| chr8 | 87891001 | 87896000 | 1.88E-09 |
| chr8 | 87917001 | 87922000 | 0.000799017 |
| chr8 | 87927001 | 87932000 | 1.09E-07 |
| chr8 | 87928001 | 87933000 | 2.78E-09 |
| chr8 | 87980001 | 87985000 | 4.18E-06 |
| chr8 | 87988001 | 87993000 | 7.78E-11 |
| chr8 | 87989001 | 87994000 | 4.63E-09 |
| chr8 | 87990001 | 87995000 | 8.56E-10 |
| chr8 | 87991001 | 87996000 | 0.02654662 |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr8       | 88018001 | 88023000 | 0.000439138 |
| chr8       | 88019001 | 88024000 | 2.70E-05 |
| chr8       | 88020001 | 88025000 | 2.81E-06 |
| chr8       | 88021001 | 88026000 | 6.05E-05 |
| chr8       | 88022001 | 88027000 | 1.78E-05 |
| chr8       | 88024001 | 88029000 | 0.000498189 |
| chr8       | 88039001 | 88044000 | 1.35E-05 |
| chr8       | 88041001 | 88046000 | 1.32E-07 |
| chr8       | 88042001 | 88047000 | 5.12E-06 |
| chr8       | 88043001 | 88048000 | 7.22E-06 |
| chr8       | 88044001 | 88049000 | 5.11E-14 |
| chr8       | 88045001 | 88050000 | 6.09E-15 |
| chr8       | 88046001 | 88051000 | 4.71E-11 |
| chr8       | 88047001 | 88052000 | 9.47E-11 |
| chr8       | 88048001 | 88053000 | 9.81E-12 |
| chr8       | 88049001 | 88054000 | 2.43E-06 |
| chr8       | 88050001 | 88055000 | 6.41E-06 |
| chr8       | 88051001 | 88056000 | 1.04E-05 |
| chr8       | 88110001 | 88115000 | 1.37E-13 |
| chr8       | 88111001 | 88116000 | 8.32E-25 |
| chr8       | 88112001 | 88117000 | 5.40E-27 |
| chr8       | 88113001 | 88118000 | 2.01E-25 |
| chr8       | 88114001 | 88119000 | 5.49E-24 |
| chr8       | 88115001 | 88120000 | 9.25E-18 |
| chr8       | 88116001 | 88121000 | 3.78E-05 |
| chr8       | 88117001 | 88122000 | 2.97E-06 |
| chr8       | 88118001 | 88123000 | 4.42E-07 |
| chr8       | 88119001 | 88124000 | 1.36E-06 |
| chr8       | 88158001 | 88163000 | 5.78E-11 |
| chr8       | 88159001 | 88164000 | 4.49E-09 |
| chr8       | 88160001 | 88165000 | 2.79E-09 |
| chr8       | 88161001 | 88166000 | 2.28E-12 |
| chr8       | 88162001 | 88167000 | 2.97E-16 |
| chr8       | 88164001 | 88169000 | 8.87E-08 |
| chr8       | 88165001 | 88170000 | 1.64E-07 |
| chr8       | 88166001 | 88171000 | 1.76E-06 |
| chr8       | 88168001 | 88173000 | 0.000307066 |
| chr8       | 88187001 | 88192000 | 4.91E-09 |
| chr8       | 88188001 | 88193000 | 2.82E-11 |
| chr8       | 88189001 | 88194000 | 2.51E-11 |
| chr8       | 88190001 | 88195000 | 2.39E-10 |
| chr8       | 88191001 | 88196000 | 7.11E-10 |
| chr8       | 88241001 | 88246000 | 4.02E-26 |
| chr8       | 88256001 | 88261000 | 0.000472978 |
| chr8       | 88288001 | 88293000 | 0.006954493 |
| chr8       | 88405001 | 88410000 | 0.001672981 |
| chr8       | 88406001 | 88411000 | 0.005490847 |
| chr8       | 88407001 | 88412000 | 0.000457717 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr8       | 88408001       | 88413000     | 0.000142333 |
| chr8       | 88414001       | 88419000     | 0.000110636 |
| chr8       | 88417001       | 88422000     | 1.54E-13   |
| chr8       | 88418001       | 88423000     | 7.95E-15   |
| chr8       | 88419001       | 88424000     | 6.01E-15   |
| chr8       | 88420001       | 88425000     | 4.44E-15   |
| chr8       | 88421001       | 88426000     | 1.46E-05   |
| chr8       | 88456001       | 88461000     | 0.0014528   |
| chr8       | 88457001       | 88462000     | 8.03E-06   |
| chr8       | 88458001       | 88463000     | 1.17E-05   |
| chr8       | 88459001       | 88464000     | 3.62E-05   |
| chr8       | 88460001       | 88465000     | 0.00198822 |
| chr8       | 88467001       | 88472000     | 2.10E-13   |
| chr8       | 88468001       | 88473000     | 3.33E-13   |
| chr8       | 88490001       | 88495000     | 0.01158374 |
| chr8       | 88519001       | 88524000     | 0.000825583 |
| chr8       | 88537001       | 88542000     | 0.00141744 |
| chr8       | 88538001       | 88543000     | 0.00201455 |
| chr8       | 88539001       | 88544000     | 0.000505891 |
| chr8       | 88540001       | 88545000     | 0.003248571 |
| chr8       | 88545001       | 88550000     | 0.00248947 |
| chr8       | 88579001       | 88584000     | 0.000280654 |
| chr8       | 88585001       | 88590000     | 0.0017115  |
| chr8       | 88607001       | 88612000     | 0.00126538 |
| chr8       | 88608001       | 88613000     | 9.24E-05   |
| chr8       | 88609001       | 88614000     | 4.38E-05   |
| chr8       | 88610001       | 88615000     | 4.82E-06   |
| chr8       | 88713001       | 88718000     | 4.45E-06   |
| chr8       | 88714001       | 88719000     | 8.55E-10   |
| chr8       | 88728001       | 88733000     | 0.00398847 |
| chr8       | 88732001       | 88737000     | 7.91E-12   |
| chr8       | 88733001       | 88738000     | 1.26E-11   |
| chr8       | 88734001       | 88739000     | 1.70E-12   |
| chr8       | 88735001       | 88740000     | 7.29E-15   |
| chr8       | 88736001       | 88741000     | 3.47E-10   |
| chr8       | 88737001       | 88742000     | 2.01E-10   |
| chr8       | 88738001       | 88743000     | 1.04E-10   |
| chr8       | 88739001       | 88744000     | 4.24E-11   |
| chr8       | 88740001       | 88745000     | 7.92E-10   |
| chr8       | 88741001       | 88746000     | 2.20E-09   |
| chr8       | 88788001       | 88793000     | 2.70E-10   |
| chr8       | 88789001       | 88794000     | 4.13E-09   |
| chr8       | 88790001       | 88795000     | 3.53E-08   |
| chr8       | 88791001       | 88796000     | 1.60E-07   |
| chr8       | 88812001       | 88817000     | 0.000510757 |
| chr8       | 88819001       | 88824000     | 1.42E-08   |
| chr8       | 88820001       | 88825000     | 1.21E-12   |
| chr8       | 88823001       | 88828000     | 3.20E-10   |
| Chr | Start | End | Value   |
|-----|-------|-----|---------|
| chr8| 88824001 | 88829000 | 0.00019077 |
| chr8| 88826001 | 88831000 | 2.36E-05   |
| chr8| 88827001 | 88832000 | 8.48E-06   |
| chr8| 88828001 | 88833000 | 1.27E-05   |
| chr8| 88834001 | 88839000 | 7.74E-11   |
| chr8| 88849001 | 88854000 | 5.61E-11   |
| chr8| 88850001 | 88855000 | 8.76E-12   |
| chr8| 88868001 | 88873000 | 1.18E-13   |
| chr8| 88869001 | 88874000 | 3.46E-15   |
| chr8| 88870001 | 88875000 | 1.60E-17   |
| chr8| 88871001 | 88876000 | 5.57E-07   |
| chr8| 88872001 | 88877000 | 5.81E-09   |
| chr8| 88873001 | 88878000 | 3.59E-09   |
| chr8| 88874001 | 88879000 | 1.00E-07   |
| chr8| 88897001 | 88902000 | 0.000532596|
| chr8| 88903001 | 88908000 | 6.55E-18   |
| chr8| 88904001 | 88909000 | 4.01E-17   |
| chr8| 88910001 | 88915000 | 3.21E-12   |
| chr8| 88925001 | 88930000 | 1.49E-05   |
| chr8| 88926001 | 88931000 | 0.000928318|
| chr8| 88929001 | 88934000 | 0.00083251 |
| chr8| 88930001 | 88935000 | 0.00082066 |
| chr8| 88931001 | 88936000 | 0.000423061|
| chr8| 88951001 | 88956000 | 6.56E-07   |
| chr8| 88955001 | 88960000 | 4.89E-11   |
| chr8| 88958001 | 88963000 | 0.001075713|
| chr8| 88959001 | 88964000 | 0.001850502|
| chr8| 88979001 | 88984000 | 1.90E-41   |
| chr8| 88996001 | 89001000 | 0.00072964 |
| chr8| 88997001 | 89002000 | 1.83E-10   |
| chr8| 88998001 | 89003000 | 1.60E-10   |
| chr8| 88999001 | 89004000 | 2.09E-13   |
| chr8| 89000001 | 89005000 | 2.86E-11   |
| chr8| 89001001 | 89006000 | 2.90E-11   |
| chr8| 89009001 | 89014000 | 2.58E-10   |
| chr8| 89030001 | 89035000 | 8.37E-08   |
| chr8| 89035001 | 89040000 | 5.07E-05   |
| chr8| 89037001 | 89042000 | 1.10E-07   |
| chr8| 89039001 | 89044000 | 8.10E-05   |
| chr8| 89041001 | 89046000 | 0.000231983|
| chr8| 89064001 | 89069000 | 0.006586559|
| chr8| 89068001 | 89073000 | 0.000531023|
| chr8| 89069001 | 89074000 | 0.000312177|
| chr8| 89080001 | 89085000 | 0.000751495|
| chr8| 89088001 | 89093000 | 1.93E-09   |
| chr8| 89089001 | 89094000 | 1.29E-09   |
| chr8| 89096001 | 89101000 | 1.81E-09   |
| chr8| 89097001 | 89102000 | 5.05E-10   |
| chr8 | 89098001 | 89103000 | 8.25E-09 |
|------|---------|---------|---------|
| chr8 | 89099001 | 89104000 | 2.87E-08 |
| chr8 | 89106001 | 89111000 | 0.008918558 |
| chr8 | 89107001 | 89112000 | 0.008884152 |
| chr8 | 89126001 | 89131000 | 3.44E-09 |
| chr8 | 89127001 | 89132000 | 1.32E-10 |
| chr8 | 89128001 | 89133000 | 2.89E-08 |
| chr8 | 89129001 | 89134000 | 5.87E-05 |
| chr8 | 89183001 | 89188000 | 1.75E-21 |
| chr8 | 89184001 | 89189000 | 1.96E-20 |
| chr8 | 89185001 | 89190000 | 2.65E-19 |
| chr8 | 89186001 | 89191000 | 6.67E-16 |
| chr8 | 89187001 | 89192000 | 5.42E-15 |
| chr8 | 89211001 | 89216000 | 4.73E-11 |
| chr8 | 89212001 | 89217000 | 5.03E-12 |
| chr8 | 89213001 | 89218000 | 8.58E-12 |
| chr8 | 89214001 | 89219000 | 2.18E-12 |
| chr8 | 89215001 | 89220000 | 7.94E-10 |
| chr8 | 89218001 | 89223000 | 1.78E-07 |
| chr8 | 89219001 | 89224000 | 2.90E-09 |
| chr8 | 89220001 | 89225000 | 1.07E-08 |
| chr8 | 89221001 | 89226000 | 6.70E-07 |
| chr8 | 89226001 | 89231000 | 3.49E-08 |
| chr8 | 89227001 | 89232000 | 5.83E-06 |
| chr8 | 89258001 | 89263000 | 0.001190133 |
| chr8 | 89264001 | 89269000 | 0.00020721 |
| chr8 | 89265001 | 89270000 | 0.000132377 |
| chr8 | 89266001 | 89271000 | 5.88E-06 |
| chr8 | 89267001 | 89272000 | 6.12E-06 |
| chr8 | 89276001 | 89281000 | 0.000170412 |
| chr8 | 89293001 | 89298000 | 6.45E-08 |
| chr8 | 89294001 | 89299000 | 1.26E-12 |
| chr8 | 89295001 | 89300000 | 1.87E-14 |
| chr8 | 89296001 | 89301000 | 9.08E-14 |
| chr8 | 89297001 | 89302000 | 1.26E-11 |
| chr8 | 89325001 | 89330000 | 0.00122516 |
| chr8 | 89364001 | 89369000 | 5.62E-07 |
| chr8 | 89368001 | 89373000 | 0.000733568 |
| chr8 | 89371001 | 89376000 | 0.000585856 |
| chr8 | 89391001 | 89396000 | 3.63E-11 |
| chr8 | 89392001 | 89397000 | 1.01E-11 |
| chr8 | 89393001 | 89398000 | 1.02E-17 |
| chr8 | 89394001 | 89399000 | 2.11E-20 |
| chr8 | 89395001 | 89400000 | 4.05E-32 |
| chr8 | 89396001 | 89401000 | 8.75E-21 |
| chr8 | 89397001 | 89402000 | 3.75E-20 |
| chr8 | 89398001 | 89403000 | 6.71E-21 |
| chr8 | 89399001 | 89404000 | 2.22E-23 |
| chr8 | 89420001 | 89425000 | 0.00612216 |
|------|---------|---------|------------|
| chr8 | 89426001 | 89431000 | 8.54E-07   |
| chr8 | 89428001 | 89433000 | 6.34E-08   |
| chr8 | 89430001 | 89435000 | 3.78E-09   |
| chr8 | 89446001 | 89451000 | 5.75E-08   |
| chr8 | 89465001 | 89470000 | 2.25E-12   |
| chr8 | 89466001 | 89471000 | 3.93E-11   |
| chr8 | 89467001 | 89472000 | 7.50E-09   |
| chr8 | 89468001 | 89473000 | 6.81E-14   |
| chr8 | 89469001 | 89474000 | 3.50E-13   |
| chr8 | 89477001 | 89482000 | 1.81E-12   |
| chr8 | 89478001 | 89483000 | 4.26E-13   |
| chr8 | 89495001 | 89500000 | 0.003609386|
| chr8 | 89498001 | 89503000 | 0.012374026|
| chr8 | 89510001 | 89515000 | 0.000176715|
| chr8 | 89511001 | 89516000 | 2.17E-05   |
| chr8 | 89531001 | 89536000 | 6.81E-06   |
| chr8 | 89532001 | 89537000 | 5.79E-07   |
| chr8 | 89595001 | 89600000 | 1.95E-13   |
| chr8 | 89596001 | 89601000 | 2.89E-12   |
| chr8 | 89597001 | 89602000 | 3.61E-12   |
| chr8 | 89607001 | 89612000 | 0.002348816|
| chr8 | 89624001 | 89629000 | 1.69E-09   |
| chr8 | 89625001 | 89630000 | 0.003319584|
| chr8 | 89626001 | 89631000 | 0.00499849 |
| chr8 | 89636001 | 89641000 | 0.000480409|
| chr8 | 89637001 | 89642000 | 0.000336939|
| chr8 | 89638001 | 89643000 | 0.000318248|
| chr8 | 89652001 | 89657000 | 5.38E-07   |
| chr8 | 89653001 | 89658000 | 4.33E-07   |
| chr8 | 89684001 | 89689000 | 1.43E-17   |
| chr8 | 89685001 | 89690000 | 2.03E-21   |
| chr8 | 89686001 | 89691000 | 3.77E-20   |
| chr8 | 89687001 | 89692000 | 2.56E-18   |
| chr8 | 89688001 | 89693000 | 1.57E-19   |
| chr8 | 89691001 | 89696000 | 9.15E-13   |
| chr8 | 89692001 | 89697000 | 1.86E-15   |
| chr8 | 89693001 | 89698000 | 1.45E-11   |
| chr8 | 89703001 | 89708000 | 1.04E-08   |
| chr8 | 89704001 | 89709000 | 2.68E-11   |
| chr8 | 89705001 | 89710000 | 3.36E-14   |
| chr8 | 89706001 | 89711000 | 5.87E-18   |
| chr8 | 89707001 | 89712000 | 5.83E-07   |
| chr8 | 89718001 | 89723000 | 5.71E-07   |
| chr8 | 89719001 | 89724000 | 2.14E-09   |
| chr8 | 89720001 | 89725000 | 1.34E-14   |
| chr8 | 89721001 | 89726000 | 7.23E-17   |
| chr8 | 89722001 | 89727000 | 1.50E-17   |
| Chromosome | Start  | End    | Value     |
|------------|--------|--------|-----------|
| chr8       | 89975001 | 89980000 | 2.64E-06  |
| chr8       | 89976001 | 89981000 | 7.95E-07  |
| chr8       | 89977001 | 89982000 | 6.15E-07  |
| chr8       | 89978001 | 89983000 | 6.10E-06  |
| chr8       | 89979001 | 89984000 | 0.00796726 |
| chr8       | 89980001 | 89985000 | 0.004817941 |
| chr8       | 89983001 | 89991000 | 4.79E-09  |
| chr8       | 89984001 | 89992000 | 1.03E-08  |
| chr8       | 89991001 | 89996000 | 0.00524558 |
| chr8       | 89992001 | 89997000 | 0.00720164 |
| chr8       | 90003001 | 90008000 | 9.76E-05  |
| chr8       | 90004001 | 90009000 | 6.28E-05  |
| chr8       | 90022001 | 90027000 | 4.33E-09  |
| chr8       | 90023001 | 90028000 | 1.32E-08  |
| chr8       | 90024001 | 90029000 | 7.16E-07  |
| chr8       | 90030001 | 90035000 | 6.32E-06  |
| chr8       | 90031001 | 90036000 | 7.52E-08  |
| chr8       | 90032001 | 90037000 | 1.88E-09  |
| chr8       | 90033001 | 90038000 | 1.76E-10  |
| chr8       | 90034001 | 90039000 | 1.31E-12  |
| chr8       | 90035001 | 90040000 | 4.09E-13  |
| chr8       | 90036001 | 90041000 | 2.45E-09  |
| chr8       | 90037001 | 90042000 | 8.60E-07  |
| chr8       | 90038001 | 90043000 | 2.55E-06  |
| chr8       | 90056001 | 90061000 | 4.38E-05  |
| chr8       | 90062001 | 90067000 | 9.67E-06  |
| chr8       | 90076001 | 90081000 | 0.01545656 |
| chr8       | 90117001 | 90122000 | 5.85E-07  |
| chr8       | 90118001 | 90123000 | 0.000494057 |
| chr8       | 90119001 | 90124000 | 0.000546366 |
| chr8       | 90131001 | 90136000 | 0.000311078 |
| chr8       | 90138001 | 90143000 | 0.007705019 |
| chr8       | 90187001 | 90192000 | 1.83E-06  |
| chr8       | 90188001 | 90193000 | 2.18E-08  |
| chr8       | 90189001 | 90194000 | 2.15E-08  |
| chr8       | 90190001 | 90195000 | 6.61E-07  |
| chr8       | 90191001 | 90196000 | 4.54E-06  |
| chr8       | 90204001 | 90209000 | 0.000221404 |
| chr8       | 90277001 | 90282000 | 4.36E-07  |
| chr8       | 90278001 | 90283000 | 3.75E-08  |
| chr8       | 90290001 | 90295000 | 1.55E-05  |
| chr8       | 90303001 | 90308000 | 0.000186172 |
| chr8       | 90304001 | 90309000 | 5.27E-05  |
| chr8       | 90321001 | 90326000 | 2.28E-05  |
| chr8       | 90322001 | 90327000 | 1.10E-05  |
| Chr | Start | End   | Value     |
|-----|-------|-------|-----------|
| chr8| 9032001| 90328000| 0.000816372 |
| chr8| 90324001| 90329000| 0.000201385  |
| chr8| 90328001| 90333000| 0.000137201  |
| chr8| 90330001| 90338000| 0.000578168  |
| chr8| 90332001| 90337000| 0.002426017  |
| chr8| 90333001| 90338000| 0.001347774  |
| chr8| 90336001| 90341000| 2.49E-07     |
| chr8| 90362001| 90367000| 0.000570031  |
| chr8| 90363001| 90368000| 0.00149856   |
| chr8| 90375001| 90380000| 4.19E-10     |
| chr8| 90376001| 90381000| 7.88E-10     |
| chr8| 90377001| 90382000| 3.01E-10     |
| chr8| 90378001| 90383000| 8.58E-10     |
| chr8| 90379001| 90384000| 2.16E-07     |
| chr8| 90408001| 90413000| 5.00E-07     |
| chr8| 90413001| 90418000| 2.71E-05     |
| chr8| 90414001| 90419000| 3.60E-05     |
| chr8| 90428001| 90433000| 0.000648891  |
| chr8| 90457001| 90462000| 3.52E-08     |
| chr8| 90458001| 90463000| 1.54E-09     |
| chr8| 90459001| 90464000| 2.77E-10     |
| chr8| 90460001| 90465000| 1.64E-09     |
| chr8| 90461001| 90466000| 1.80E-07     |
| chr8| 90480001| 90485000| 7.32E-09     |
| chr8| 90488001| 90493000| 8.30E-08     |
| chr8| 90489001| 90494000| 7.07E-09     |
| chr8| 90490001| 90495000| 1.06E-08     |
| chr8| 90491001| 90496000| 6.10E-10     |
| chr8| 90492001| 90497000| 0.000471385  |
| chr8| 90515001| 90520000| 0.000304911  |
| chr8| 90533001| 90538000| 6.88E-07     |
| chr8| 90534001| 90539000| 3.82E-07     |
| chr8| 90535001| 90540000| 4.83E-07     |
| chr8| 90590001| 90595000| 6.62E-16     |
| chr8| 90591001| 90596000| 7.81E-15     |
| chr8| 90614001| 90619000| 0.001570733  |
| chr8| 90615001| 90620000| 0.002775937  |
| chr8| 90627001| 90632000| 3.48E-07     |
| chr8| 90645001| 90650000| 9.88E-05     |
| chr8| 90646001| 90651000| 1.69E-12     |
| chr8| 90647001| 90652000| 8.49E-12     |
| chr8| 90648001| 90653000| 4.23E-13     |
| chr8| 90649001| 90654000| 2.07E-12     |
| chr8| 90650001| 90655000| 9.22E-16     |
| chr8| 90651001| 90656000| 1.30E-10     |
| chr8| 90652001| 90657000| 4.99E-12     |
| chr8 | 90856001 | 90861000 | 2.59E-13 |
|------|----------|----------|----------|
| chr8 | 90857001 | 90862000 | 1.37E-07 |
| chr8 | 90999001 | 91004000 | 1.27E-16 |
| chr8 | 91106001 | 91111000 | 1.45E-31 |
| chr8 | 91107001 | 91112000 | 9.70E-18 |
| chr8 | 91114001 | 91119000 | 1.41E-05 |
| chr8 | 91128001 | 91133000 | 1.21E-06 |
| chr8 | 91130001 | 91135000 | 0.000363748 |
| chr8 | 91131001 | 91136000 | 0.000170728 |
| chr8 | 91306001 | 91311000 | 4.03E-06 |
| chr8 | 91319001 | 91324000 | 0.000403969 |
| chr8 | 91320001 | 91325000 | 0.00015861 |
| chr8 | 91381001 | 91386000 | 1.01E-05 |
| chr8 | 91382001 | 91387000 | 4.35E-05 |
| chr8 | 91393001 | 91398000 | 0.000141266 |
| chr8 | 91416001 | 91421000 | 0.00013593 |
| chr8 | 91417001 | 91422000 | 3.03E-08 |
| chr8 | 91457001 | 91462000 | 6.43E-05 |
| chr8 | 91458001 | 91463000 | 3.56E-05 |
| chr8 | 91460001 | 91465000 | 4.03E-07 |
| chr8 | 91464001 | 91469000 | 1.64E-06 |
| chr8 | 91543001 | 91548000 | 1.48E-05 |
| chr8 | 91775001 | 91780000 | 4.76E-06 |
| chr8 | 91818001 | 91823000 | 2.57E-12 |
| chr8 | 91819001 | 91824000 | 8.35E-12 |
| chr8 | 91831001 | 91836000 | 0.001813227 |
| chr8 | 91898001 | 91903000 | 6.71E-07 |
| chr8 | 91899001 | 91904000 | 4.30E-07 |
| chr8 | 91939001 | 91944000 | 2.02E-05 |
| chr8 | 91945001 | 91950000 | 1.44E-06 |
| chr8 | 92243001 | 92248000 | 3.55E-08 |
| chr8 | 92244001 | 92249000 | 7.91E-08 |
| chr8 | 92245001 | 92250000 | 5.93E-09 |
| chr8 | 92270001 | 92275000 | 1.49E-07 |
| chr8 | 92271001 | 92276000 | 9.91E-08 |
| chr8 | 92272001 | 92277000 | 1.43E-05 |
| chr8 | 92313001 | 92318000 | 0.001302068 |
| chr8 | 92314001 | 92319000 | 0.001512228 |
| chr8 | 92329001 | 92334000 | 1.41E-07 |
| chr8 | 92330001 | 92335000 | 2.04E-07 |
| chr8 | 92331001 | 92336000 | 2.44E-07 |
| chr8 | 92338001 | 92343000 | 1.78E-05 |
| chr8 | 92339001 | 92344000 | 0.000232278 |
| chr8 | 92401001 | 92406000 | 1.91E-10 |
| chr8 | 92423001 | 92428000 | 0.002181778 |
| chr8 | 92424001 | 92429000 | 0.000356354 |
| chr8 | 92425001 | 92430000 | 9.25E-05 |
| chr8 | 92480001 | 92485000 | 5.51E-06 |
| Chr | Start | End   | P-value  |
|-----|-------|-------|----------|
| chr8 | 92482001 | 92487000 | 3.84E-05 |
| chr8 | 92483001 | 92488000 | 9.66E-07 |
| chr8 | 92487001 | 92492000 | 1.43E-05 |
| chr8 | 92488001 | 92493000 | 5.66E-05 |
| chr8 | 92489001 | 92494000 | 2.94E-05 |
| chr8 | 92490001 | 92495000 | 3.64E-05 |
| chr8 | 92525001 | 92530000 | 9.66E-07 |
| chr8 | 92527001 | 92532000 | 0.000683882 |
| chr8 | 92528001 | 92533000 | 0.0004065 |
| chr8 | 92625001 | 92630000 | 0.000323597 |
| chr8 | 92626001 | 92631000 | 1.56E-05 |
| chr8 | 92627001 | 92632000 | 0.000873087 |
| chr8 | 92635001 | 92640000 | 0.010299141 |
| chr8 | 92649001 | 92654000 | 2.48E-08 |
| chr8 | 92650001 | 92655000 | 4.55E-10 |
| chr8 | 92651001 | 92656000 | 8.89E-11 |
| chr8 | 92652001 | 92657000 | 2.47E-10 |
| chr8 | 92664001 | 92669000 | 5.45E-05 |
| chr8 | 92686001 | 92691000 | 0.002182669 |
| chr8 | 92687001 | 92692000 | 4.79E-07 |
| chr8 | 92688001 | 92693000 | 2.43E-09 |
| chr8 | 92689001 | 92694000 | 1.42E-11 |
| chr8 | 92690001 | 92695000 | 1.36E-12 |
| chr8 | 92691001 | 92696000 | 5.42E-08 |
| chr8 | 92759001 | 92764000 | 9.63E-06 |
| chr8 | 92760001 | 92765000 | 1.15E-05 |
| chr8 | 92841001 | 92846000 | 3.12E-06 |
| chr8 | 92896001 | 92901000 | 0.013470908 |
| chr8 | 92910001 | 92915000 | 5.22E-10 |
| chr8 | 92936001 | 92941000 | 5.20E-12 |
| chr8 | 92937001 | 92942000 | 6.31E-10 |
| chr8 | 92966001 | 92971000 | 6.43E-09 |
| chr8 | 93087001 | 93092000 | 8.56E-05 |
| chr8 | 93218001 | 93223000 | 8.94E-13 |
| chr8 | 93219001 | 93224000 | 1.23E-14 |
| chr8 | 93220001 | 93225000 | 9.13E-19 |
| chr8 | 93221001 | 93226000 | 3.41E-23 |
| chr8 | 93222001 | 93227000 | 5.80E-23 |
| chr8 | 93224001 | 93229000 | 5.23E-05 |
| chr8 | 93459001 | 93464000 | 0.000114584 |
| chr8 | 93511001 | 93516000 | 6.63E-05 |
| chr8 | 93512001 | 93517000 | 0.00137444 |
| chr8 | 93539001 | 93544000 | 0.024411221 |
| chr8 | 93749001 | 93754000 | 1.64E-06 |
| chr8 | 93750001 | 93755000 | 1.80E-06 |
| chr8 | 94085001 | 94090000 | 4.59E-05 |
| chr8 | 94086001 | 94091000 | 3.95E-05 |
| chr8 | 94125001 | 94130000 | 5.05E-09 |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr8       | 94153001       | 94158000     | 0.000401585    |
| chr8       | 94154001       | 94159000     | 0.000598735    |
| chr8       | 94156001       | 94161000     | 0.002278404    |
| chr8       | 94157001       | 94162000     | 0.001256667    |
| chr8       | 94182001       | 94187000     | 1.14E-05       |
| chr8       | 94257001       | 94262000     | 1.47E-08       |
| chr8       | 94258001       | 94263000     | 0.000108642    |
| chr8       | 94484001       | 94489000     | 4.95E-11       |
| chr8       | 94588001       | 94593000     | 6.73E-09       |
| chr8       | 94589001       | 94594000     | 7.96E-10       |
| chr8       | 95347001       | 95352000     | 0.00170605     |
| chr8       | 96065001       | 96070000     | 6.29E-15       |
| chr8       | 96149001       | 96154000     | 2.90E-08       |
| chr8       | 96803001       | 96808000     | 0.002501036    |
| chr8       | 97621001       | 97626000     | 6.92E-10       |
| chr8       | 97622001       | 97627000     | 1.26E-10       |
| chr8       | 97623001       | 97628000     | 7.60E-11       |
| chr8       | 97682001       | 97687000     | 1.13E-08       |
| chr8       | 97740001       | 97745000     | 1.56E-06       |
| chr8       | 97747001       | 97752000     | 0.002890689    |
| chr8       | 97868001       | 97873000     | 9.42E-08       |
| chr8       | 97891001       | 97896000     | 5.05E-07       |
| chr8       | 97892001       | 97897000     | 7.55E-07       |
| chr8       | 97955001       | 97960000     | 0.005458608    |
| chr8       | 98018001       | 98023000     | 1.97E-13       |
| chr8       | 98019001       | 98024000     | 5.09E-12       |
| chr8       | 98395001       | 98400000     | 3.94E-06       |
| chr8       | 98397001       | 98402000     | 1.53E-06       |
| chr8       | 98477001       | 98482000     | 1.47E-05       |
| chr8       | 98582001       | 98587000     | 0.007258785    |
| chr8       | 98745001       | 98750000     | 5.72E-15       |
| chr8       | 98746001       | 98751000     | 2.45E-16       |
| chr8       | 99086001       | 99091000     | 8.10E-08       |
| chr8       | 99348001       | 99353000     | 7.09E-09       |
| chr8       | 100010001      | 100015000    | 0.000862435    |
| chr8       | 101675001      | 101680000    | 3.18E-23       |
| chr8       | 101957001      | 101962000    | 1.29E-15       |
| chr8       | 102585001      | 102590000    | 9.25E-17       |
| chr8       | 104533001      | 104538000    | 0.000437878    |
| chr8       | 104598001      | 104603000    | 0.00149289     |
| chr8       | 104856001      | 104861000    | 4.13E-05       |
| chr8       | 104866001      | 104871000    | 0.000207335    |
| chr8       | 104867001      | 104872000    | 0.000251763    |
| chr8       | 104878001      | 104883000    | 2.42E-08       |
| chr8       | 105054001      | 105059000    | 6.00E-07       |
| chr8       | 105118001      | 105123000    | 0.000486977    |
| chr8       | 105119001      | 105124000    | 0.000589349    |
| chr8       | 105174001      | 105179000    | 0.003195026    |
| Chromosome | Start Position | End Position | Log10(p-value) |
|------------|----------------|--------------|----------------|
| chr8       | 10520001       | 105207000    | 0.000913164    |
| chr8       | 10522001       | 105225000    | 1.43E-13       |
| chr8       | 105459001      | 105464000    | 4.62E-05       |
| chr8       | 105604001      | 105609000    | 0.016551677    |
| chr8       | 105605001      | 105610000    | 0.000618033    |
| chr8       | 105606001      | 105611000    | 0.001945025    |
| chr8       | 105648001      | 105653000    | 9.54E-20       |
| chr8       | 105649001      | 105654000    | 7.65E-18       |
| chr8       | 105672001      | 105677000    | 1.53E-07       |
| chr8       | 105704001      | 105709000    | 0.000101863    |
| chr8       | 105707001      | 105712000    | 0.000808993    |
| chr8       | 105708001      | 105713000    | 3.05E-08       |
| chr8       | 105716001      | 105721000    | 7.03E-11       |
| chr8       | 105717001      | 105722000    | 2.19E-11       |
| chr8       | 105718001      | 105723000    | 1.89E-12       |
| chr8       | 105722001      | 105727000    | 1.63E-05       |
| chr8       | 105723001      | 105728000    | 3.00E-07       |
| chr8       | 105724001      | 105729000    | 2.39E-07       |
| chr8       | 105725001      | 105730000    | 1.87E-08       |
| chr8       | 105726001      | 105731000    | 0.000655432    |
| chr8       | 105727001      | 105732000    | 0.0001114      |
| chr8       | 105735001      | 105740000    | 5.20E-08       |
| chr8       | 105736001      | 105741000    | 3.94E-10       |
| chr8       | 105737001      | 105742000    | 4.98E-14       |
| chr8       | 105738001      | 105743000    | 9.36E-13       |
| chr8       | 105772001      | 105777000    | 5.20E-13       |
| chr8       | 105773001      | 105778000    | 2.11E-16       |
| chr8       | 105785001      | 105790000    | 2.86E-14       |
| chr8       | 105786001      | 105791000    | 7.31E-17       |
| chr8       | 105787001      | 105792000    | 3.88E-19       |
| chr8       | 105788001      | 105793000    | 5.66E-20       |
| chr8       | 105802001      | 105807000    | 1.02E-09       |
| chr8       | 105806001      | 105811000    | 6.06E-09       |
| chr8       | 105829001      | 105834000    | 7.13E-08       |
| chr8       | 105830001      | 105835000    | 2.88E-09       |
| chr8       | 105833001      | 105838000    | 9.16E-07       |
| chr8       | 105837001      | 105842000    | 0.000209228    |
| chr8       | 105838001      | 105843000    | 1.17E-05       |
| chr8       | 105864001      | 105869000    | 1.29E-06       |
| chr8       | 105865001      | 105870000    | 3.01E-06       |
| chr8       | 105879001      | 105884000    | 0.001767676    |
| chr8       | 105897001      | 105902000    | 7.46E-07       |
| chr8       | 105900001      | 105905000    | 3.50E-19       |
| chr8       | 105903001      | 105908000    | 9.72E-12       |
| chr8       | 105904001      | 105909000    | 6.96E-13       |
| chr8       | 105957001      | 105962000    | 0.002539264    |
| chr8       | 105993001      | 105998000    | 0.000216193    |
| chr8       | 106028001      | 106033000    | 3.76E-06       |
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|---------------|
| chr8       | 106029001 | 106034000 | 4.97E-06     |
| chr8       | 106039001 | 106044000 | 0.001547399  |
| chr8       | 106040001 | 106045000 | 2.64E-14     |
| chr8       | 106041001 | 106046000 | 2.55E-13     |
| chr8       | 106044001 | 106049000 | 2.49E-09     |
| chr8       | 106080001 | 106085000 | 3.54E-06     |
| chr8       | 106081001 | 106086000 | 3.89E-05     |
| chr8       | 106082001 | 106087000 | 0.01171377   |
| chr8       | 106083001 | 106088000 | 9.09E-05     |
| chr8       | 106084001 | 106089000 | 8.66E-05     |
| chr8       | 106139001 | 106144000 | 0.009515536  |
| chr8       | 106140001 | 106145000 | 0.014982667  |
| chr8       | 106167001 | 106172000 | 5.93E-08     |
| chr8       | 106202001 | 106207000 | 7.04E-06     |
| chr8       | 106203001 | 106208000 | 8.33E-08     |
| chr8       | 106229001 | 106234000 | 0.000564634  |
| chr8       | 106297001 | 106302000 | 1.35E-16     |
| chr8       | 106314001 | 106319000 | 0.000913206  |
| chr8       | 106315001 | 106320000 | 6.64E-07     |
| chr8       | 106385001 | 106390000 | 0.017954611  |
| chr8       | 106386001 | 106391000 | 0.003145352  |
| chr8       | 106387001 | 106392000 | 0.004834997  |
| chr8       | 106403001 | 106408000 | 2.38E-10     |
| chr8       | 106510001 | 106515000 | 5.05E-10     |
| chr8       | 106651001 | 106656000 | 1.72E-05     |
| chr8       | 106690001 | 106695000 | 0.000430335  |
| chr8       | 106697001 | 106702000 | 0.000145742  |
| chr8       | 106717001 | 106722000 | 1.64E-07     |
| chr8       | 106718001 | 106723000 | 4.57E-09     |
| chr8       | 106719001 | 106724000 | 3.88E-09     |
| chr8       | 106720001 | 106725000 | 8.59E-08     |
| chr8       | 106766001 | 106771000 | 2.77E-06     |
| chr8       | 106767001 | 106772000 | 1.37E-06     |
| chr8       | 106787001 | 106792000 | 0.003141562  |
| chr8       | 106807001 | 106812000 | 1.11E-19     |
| chr8       | 106841001 | 106846000 | 0.000371086  |
| chr8       | 106842001 | 106847000 | 0.001402705  |
| chr8       | 106867001 | 106872000 | 0.000446884  |
| chr8       | 106885001 | 106890000 | 0.000124629  |
| chr8       | 106886001 | 106891000 | 0.000159551  |
| chr8       | 107160001 | 107165000 | 1.80E-06     |
| chr8       | 107177001 | 107182000 | 0.001096755  |
| chr8       | 107211001 | 107216000 | 8.38E-07     |
| chr8       | 107241001 | 107246000 | 6.21E-05     |
| chr8       | 107242001 | 107247000 | 1.04E-05     |
| chr8       | 107243001 | 107248000 | 1.63E-07     |
| chr8       | 107244001 | 107249000 | 2.97E-06     |
| chr8       | 107276001 | 107281000 | 0.000253487  |
| Chr | Start | End   | Score  |
|-----|-------|-------|--------|
| chr8 | 107298001 | 107303000 | 5.10E-06 |
| chr8 | 107299001 | 107304000 | 9.85E-06 |
| chr8 | 107300001 | 107305000 | 5.93E-05 |
| chr8 | 107324001 | 107329000 | 6.86E-06 |
| chr8 | 107520001 | 107525000 | 0.000628224 |
| chr8 | 108133001 | 108138000 | 1.98E-22 |
| chr8 | 108134001 | 108139000 | 2.37E-20 |
| chr8 | 108262001 | 108267000 | 8.53E-06 |
| chr8 | 108263001 | 108268000 | 2.32E-06 |
| chr8 | 108264001 | 108269000 | 0.000618392 |
| chr8 | 108361001 | 108366000 | 0.001728608 |
| chr8 | 108520001 | 108525000 | 2.39E-07 |
| chr8 | 108582001 | 108587000 | 5.71E-07 |
| chr8 | 108790001 | 108795000 | 4.19E-07 |
| chr8 | 108948001 | 108953000 | 4.07E-09 |
| chr8 | 109199001 | 109204000 | 6.70E-06 |
| chr8 | 109807001 | 109812000 | 0.000155044 |
| chr8 | 109808001 | 109813000 | 9.51E-05 |
| chr8 | 109809001 | 109814000 | 9.51E-05 |
| chr8 | 109810001 | 109815000 | 0.000819378 |
| chr8 | 109856001 | 109861000 | 0.000266533 |
| chr8 | 109858001 | 109863000 | 3.93E-06 |
| chr8 | 109923001 | 109928000 | 0.000225014 |
| chr8 | 110530001 | 110535000 | 3.17E-08 |
| chr8 | 110531001 | 110536000 | 1.02E-09 |
| chr8 | 110532001 | 110537000 | 6.52E-08 |
| chr8 | 110728001 | 110733000 | 7.12E-05 |
| chr8 | 110731001 | 110736000 | 0.000238411 |
| chr8 | 110732001 | 110737000 | 0.006183563 |
| chr8 | 110772001 | 110777000 | 0.00123017 |
| chr8 | 110881001 | 110886000 | 3.38E-08 |
| chr8 | 110882001 | 110887000 | 1.85E-07 |
| chr8 | 111149001 | 111154000 | 0.02003618 |
| chr8 | 111251001 | 111256000 | 1.72E-05 |
| chr8 | 111252001 | 111257000 | 1.53E-06 |
| chr8 | 111315001 | 111320000 | 0.001180518 |
| chr8 | 111321001 | 111326000 | 0.000191949 |
| chr8 | 111493001 | 111498000 | 0.001404575 |
| chr8 | 111567001 | 111572000 | 0.002003872 |
| chr8 | 111602001 | 111607000 | 0.018135235 |
| chr8 | 111603001 | 111608000 | 0.016981278 |
| chr8 | 111604001 | 111609000 | 0.025394149 |
| chr8 | 111605001 | 111610000 | 0.016788496 |
| chr8 | 111669001 | 111674000 | 0.000251966 |
| chr8 | 111670001 | 111675000 | 0.002479012 |
| chr8 | 111734001 | 111739000 | 9.01E-06 |
| chr8 | 111748001 | 111753000 | 7.20E-06 |
| chr8 | 111749001 | 111754000 | 0.000202475 |
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chr8       | 111754001      | 111759000    | 8.07E-09 |
| chr8       | 111756001      | 111761000    | 1.64E-08 |
| chr8       | 111814001      | 111819000    | 0.002651317 |
| chr8       | 111815001      | 111820000    | 0.000292893 |
| chr8       | 111816001      | 111821000    | 0.000289772 |
| chr8       | 111860001      | 111865000    | 3.69E-14 |
| chr8       | 111861001      | 111866000    | 2.66E-12 |
| chr8       | 111862001      | 111867000    | 9.37E-13 |
| chr8       | 111863001      | 111868000    | 1.34E-12 |
| chr8       | 111864001      | 111869000    | 5.70E-07 |
| chr8       | 111866001      | 111871000    | 5.65E-06 |
| chr8       | 111884001      | 111889000    | 8.13E-06 |
| chr8       | 111910001      | 111915000    | 0.000686353 |
| chr8       | 111911001      | 111916000    | 0.00124259 |
| chr8       | 111912001      | 111917000    | 0.000859605 |
| chr8       | 112127001      | 112132000    | 6.76E-08 |
| chr8       | 112128001      | 112133000    | 3.34E-09 |
| chr8       | 112129001      | 112134000    | 4.31E-09 |
| chr8       | 112200001      | 112205000    | 0.000389647 |
| chr8       | 112201001      | 112206000    | 9.18E-05 |
| chr8       | 112268001      | 112273000    | 6.03E-06 |
| chr8       | 112271001      | 112276000    | 2.46E-06 |
| chr8       | 112287001      | 112292000    | 0.000870217 |
| chr8       | 112314001      | 112319000    | 1.06E-08 |
| chr8       | 112315001      | 112320000    | 2.66E-07 |
| chr8       | 112316001      | 112321000    | 1.53E-07 |
| chr8       | 112317001      | 112322000    | 7.64E-06 |
| chr8       | 112318001      | 112323000    | 1.00E-06 |
| chr8       | 112390001      | 112395000    | 0.000221888 |
| chr8       | 112456001      | 112461000    | 0.000462178 |
| chr8       | 112533001      | 112538000    | 0.002820489 |
| chr8       | 112534001      | 112539000    | 3.13E-08 |
| chr8       | 112535001      | 112540000    | 9.42E-09 |
| chr8       | 112536001      | 112541000    | 2.00E-09 |
| chr8       | 112537001      | 112542000    | 6.34E-07 |
| chr8       | 112538001      | 112543000    | 6.05E-06 |
| chr8       | 112554001      | 112559000    | 2.58E-06 |
| chr8       | 112555001      | 112560000    | 1.44E-05 |
| chr8       | 112556001      | 112561000    | 9.97E-08 |
| chr8       | 112557001      | 112562000    | 5.62E-11 |
| chr8       | 112559001      | 112564000    | 3.62E-15 |
| chr8       | 112561001      | 112566000    | 2.35E-15 |
| chr8       | 112562001      | 112567000    | 3.84E-14 |
| chr8       | 112588001      | 112593000    | 0.005288453 |
| chr8       | 112604001      | 112609000    | 1.31E-14 |
| chr8       | 112605001      | 112610000    | 2.59E-17 |
| chr8       | 112625001      | 112630000    | 0.001920417 |
| chr8       | 112626001      | 112631000    | 0.01439307 |
| Chromosome | Start | End   | p-value   |
|------------|-------|-------|-----------|
| chr8       | 112656001 | 112661000 | 1.21E-07  |
| chr8       | 112673001 | 112678000 | 7.05E-08  |
| chr8       | 112699001 | 112704000 | 5.87E-06  |
| chr8       | 112749001 | 112754000 | 0.005314522 |
| chr8       | 112750001 | 112755000 | 0.00730128 |
| chr8       | 112751001 | 112756000 | 0.010059296 |
| chr8       | 112760001 | 112765000 | 7.65E-15  |
| chr8       | 112761001 | 112766000 | 1.91E-13  |
| chr8       | 112762001 | 112767000 | 1.76E-15  |
| chr8       | 112790001 | 112795000 | 2.60E-05  |
| chr8       | 112791001 | 112796000 | 1.53E-06  |
| chr8       | 112792001 | 112797000 | 1.32E-05  |
| chr8       | 112793001 | 112798000 | 4.13E-06  |
| chr8       | 112794001 | 112799000 | 0.000192975 |
| chr8       | 112852001 | 112857000 | 0.0002371269 |
| chr8       | 112853001 | 112858000 | 0.00205145 |
| chr8       | 112854001 | 112859000 | 1.74E-06  |
| chr8       | 112939001 | 112944000 | 3.18E-16  |
| chr8       | 112940001 | 112945000 | 6.56E-19  |
| chr8       | 112941001 | 112946000 | 6.29E-24  |
| chr8       | 112942001 | 112947000 | 4.57E-19  |
| chr8       | 112943001 | 112948000 | 2.64E-17  |
| chr8       | 113014001 | 113019000 | 1.96E-05  |
| chr8       | 113116001 | 113121000 | 3.64E-05  |
| chr8       | 113118001 | 113123000 | 1.16E-09  |
| chr8       | 113140001 | 113145000 | 1.47E-12  |
| chr8       | 113162001 | 113167000 | 8.09E-08  |
| chr8       | 113171001 | 113176000 | 2.54E-05  |
| chr8       | 113173001 | 113178000 | 3.80E-05  |
| chr8       | 113179001 | 113184000 | 8.57E-06  |
| chr8       | 113184001 | 113189000 | 1.17E-05  |
| chr8       | 113236001 | 113241000 | 9.12E-10  |
| chr8       | 113237001 | 113242000 | 1.90E-11  |
| chr8       | 113278001 | 113283000 | 0.000367646 |
| chr8       | 113280001 | 113285000 | 0.011065643 |
| chr8       | 113326001 | 113331000 | 8.45E-05  |
| chr8       | 113328001 | 113333000 | 0.000558057 |
| chr8       | 113329001 | 113334000 | 0.000496883 |
| chr8       | 113330001 | 113335000 | 0.000720916 |
| chr8       | 113349001 | 113354000 | 0.000953244 |
| chr8       | 113350001 | 113355000 | 0.0022022 |
| chr8       | 113351001 | 113356000 | 8.92E-05  |
| chr8       | 113380001 | 113385000 | 4.22E-10  |
| chr8       | 113384001 | 113389000 | 4.06E-07  |
| chr8       | 113422001 | 113427000 | 2.78E-06  |
| chr8       | 113441001 | 113446000 | 0.000588978 |
| chr8       | 113442001 | 113447000 | 0.001274307 |
| chromosome | position1 | position2 | p-value     |
|------------|-----------|-----------|-------------|
| chr8       | 113440001 | 113480000 | 0.000223511 |
| chr8       | 113500001 | 113510000 | 4.57E-20    |
| chr8       | 113510001 | 113511000 | 9.61E-21    |
| chr8       | 113512000 | 113512000 | 9.24E-20    |
| chr8       | 113513000 | 113513000 | 4.12E-25    |
| chr8       | 113514000 | 113514000 | 1.21E-07    |
| chr8       | 113557000 | 113557000 | 0.005453422 |
| chr8       | 113658000 | 113658000 | 0.002607193 |
| chr8       | 113661000 | 113661000 | 5.71E-08    |
| chr8       | 113685000 | 113685000 | 6.29E-07    |
| chr8       | 113686000 | 113686000 | 6.04E-11    |
| chr8       | 113687000 | 113687000 | 4.18E-11    |
| chr8       | 113688000 | 113688000 | 7.75E-12    |
| chr8       | 113689000 | 113689000 | 5.96E-09    |
| chr8       | 113690000 | 113690000 | 1.00E-05    |
| chr8       | 113692000 | 113692000 | 0.00717389  |
| chr8       | 113713000 | 113713000 | 1.81E-09    |
| chr8       | 113714000 | 113714000 | 1.29E-10    |
| chr8       | 113715000 | 113715000 | 1.94E-10    |
| chr8       | 113716000 | 113716000 | 1.52E-09    |
| chr8       | 113722000 | 113722000 | 0.014792998 |
| chr8       | 113726000 | 113726000 | 3.07E-06    |
| chr8       | 113727000 | 113727000 | 6.14E-07    |
| chr8       | 113728000 | 113728000 | 9.06E-09    |
| chr8       | 113763000 | 113763000 | 1.25E-05    |
| chr8       | 113764000 | 113764000 | 1.90E-05    |
| chr8       | 113773000 | 113773000 | 4.69E-11    |
| chr8       | 113774000 | 113774000 | 5.26E-13    |
| chr8       | 113844000 | 113844000 | 3.36E-10    |
| chr8       | 113845000 | 113845000 | 1.28E-09    |
| chr8       | 113846000 | 113846000 | 3.42E-08    |
| chr8       | 113847000 | 113847000 | 3.00E-08    |
| chr8       | 113848000 | 113848000 | 8.75E-08    |
| chr8       | 113908000 | 113908000 | 8.91E-06    |
| chr8       | 113936000 | 113936000 | 2.70E-07    |
| chr8       | 113937000 | 113937000 | 5.89E-06    |
| chr8       | 113938000 | 113938000 | 2.88E-07    |
| chr8       | 113939000 | 113939000 | 2.36E-09    |
| chr8       | 113940000 | 113940000 | 5.29E-06    |
| chr8       | 113947000 | 113947000 | 0.001546311 |
| chr8       | 113950000 | 113950000 | 1.59E-05    |
| chr8       | 113951000 | 113951000 | 0.000116563 |
| chr8       | 113952000 | 113952000 | 0.000727782 |
| chr8       | 113964000 | 113964000 | 0.000111573 |
| chr8       | 113965000 | 113965000 | 5.30E-05    |
| Chr | Start1 | End1   | Start2 | End2   | Score       |
|-----|--------|--------|--------|--------|-------------|
| chr8| 113996001 | 114001000 | 1.60E-06 |
| chr8| 114000001 | 114005000 | 0.000883533 |
| chr8| 114023001 | 114028000 | 0.001485689 |
| chr8| 114050001 | 114055000 | 1.17E-05 |
| chr8| 114051001 | 114056000 | 2.52E-06 |
| chr8| 114052001 | 114057000 | 2.89E-06 |
| chr8| 114053001 | 114058000 | 7.83E-07 |
| chr8| 114054001 | 114059000 | 2.29E-15 |
| chr8| 114055001 | 114060000 | 2.43E-23 |
| chr8| 114070001 | 114110000 | 0.001715127 |
| chr8| 114105001 | 114110000 | 0.000158326 |
| chr8| 114110001 | 114112000 | 0.000339059 |
| chr8| 114120001 | 114130000 | 0.00169098 |
| chr8| 114130001 | 114140000 | 3.62E-05 |
| chr8| 114150001 | 114160000 | 0.000443206 |
| chr8| 114160001 | 114170000 | 0.000247791 |
| chr8| 114170001 | 114180000 | 0.001489542 |
| chr8| 114180001 | 114190000 | 0.0002488947 |
| chr8| 114190001 | 114200000 | 0.020795209 |
| chr8| 114200001 | 114210000 | 0.026457348 |
| chr8| 114210001 | 114220000 | 0.022804984 |
| chr8| 114220001 | 114230000 | 0.020378702 |
| chr8| 114230001 | 114240000 | 0.04271903 |
| chr8| 114240001 | 114250000 | 0.01478658 |
| chr8| 114250001 | 114260000 | 5.06E-05 |
| chr8| 114260001 | 114270000 | 4.38E-10 |
| chr8| 114270001 | 114280000 | 2.80E-10 |
| chr8| 114280001 | 114290000 | 2.62E-05 |
| chr8| 114290001 | 114300000 | 1.79E-05 |
| chr8| 114300001 | 114310000 | 0.000339582 |
| chr8| 114310001 | 114320000 | 5.84E-07 |
| chr8| 114320001 | 114330000 | 3.93E-08 |
| chr8| 114330001 | 114340000 | 5.74E-09 |
| chr8| 114340001 | 114350000 | 0.000128216 |
| chr8| 114350001 | 114360000 | 2.81E-06 |
| chr8| 114360001 | 114370000 | 3.50E-07 |
| chr8| 114370001 | 114380000 | 7.77E-09 |
| chr8| 114380001 | 114390000 | 1.12E-06 |
| chr8| 114390001 | 114400000 | 2.27E-05 |
| chr8| 114400001 | 114410000 | 4.58E-07 |
| chr8| 114410001 | 114420000 | 5.15E-09 |
| chr8| 114420001 | 114430000 | 1.17E-13 |
| chr8| 114430001 | 114440000 | 1.13E-05 |
| chr8| 114440001 | 114450000 | 2.25E-09 |
| chr8| 114450001 | 114460000 | 1.21E-11 |
| chr8| 114460001 | 114470000 | 3.23E-07 |
| chr8| 114470001 | 114480000 | 7.07E-05 |
| Chromosome | Start | End   | P-value          |
|------------|-------|-------|------------------|
| chr8       | 114857001 | 114862000 | 2.06E-09         |
| chr8       | 114860001 | 114865000 | 1.65E-07         |
| chr8       | 114861001 | 114866000 | 3.24E-05         |
| chr8       | 114863001 | 114868000 | 8.08E-07         |
| chr8       | 114864001 | 114869000 | 0.00145062       |
| chr8       | 114865001 | 114870000 | 0.007618558      |
| chr8       | 114866001 | 114871000 | 0.007296272      |
| chr8       | 114867001 | 114872000 | 7.74E-11         |
| chr8       | 114875001 | 114880000 | 0.001150007      |
| chr8       | 114886001 | 114891000 | 2.05E-20         |
| chr8       | 114887001 | 114892000 | 9.94E-19         |
| chr8       | 114888001 | 114893000 | 3.64E-19         |
| chr8       | 114889001 | 114894000 | 2.37E-07         |
| chr8       | 114895001 | 114900000 | 1.49E-14         |
| chr8       | 114896001 | 114901000 | 2.82E-17         |
| chr8       | 114943001 | 114948000 | 0.002195897      |
| chr8       | 114965001 | 114970000 | 4.87E-05         |
| chr8       | 114966001 | 114971000 | 0.000387109      |
| chr8       | 114969001 | 114974000 | 2.18E-17         |
| chr8       | 114970001 | 114975000 | 3.39E-18         |
| chr8       | 114971001 | 114976000 | 1.27E-19         |
| chr8       | 114972001 | 114977000 | 1.88E-18         |
| chr8       | 114973001 | 114978000 | 2.12E-16         |
| chr8       | 114979001 | 114984000 | 9.60E-06         |
| chr8       | 114980001 | 114985000 | 7.02E-06         |
| chr8       | 114981001 | 114986000 | 8.46E-06         |
| chr8       | 115044001 | 115049000 | 2.60E-06         |
| chr8       | 115045001 | 115050000 | 5.16E-07         |
| chr8       | 115046001 | 115051000 | 1.45E-06         |
| chr8       | 115047001 | 115052000 | 1.34E-06         |
| chr8       | 115048001 | 115053000 | 0.000178268      |
| chr8       | 115049001 | 115054000 | 0.006699518      |
| chr8       | 115050001 | 115055000 | 0.007324351      |
| chr8       | 115069001 | 115074000 | 5.90E-09         |
| chr8       | 115070001 | 115075000 | 1.82E-10         |
| chr8       | 115071001 | 115076000 | 3.03E-11         |
| chr8       | 115072001 | 115077000 | 4.62E-12         |
| chr8       | 115073001 | 115078000 | 2.51E-10         |
| chr8       | 115123001 | 115128000 | 1.17E-09         |
| chr8       | 115124001 | 115129000 | 2.20E-09         |
| chr8       | 115134001 | 115139000 | 1.94E-07         |
| chr8       | 115135001 | 115140000 | 1.54E-10         |
| chr8       | 115136001 | 115141000 | 3.78E-08         |
| chr8       | 115137001 | 115142000 | 1.75E-08         |
| chr8       | 115138001 | 115143000 | 0.001884732      |
| chr8       | 115205001 | 115210000 | 0.00978546       |
| chr8       | 115217001 | 115222000 | 2.55E-14         |
| chr8       | 115242001 | 115247000 | 3.95E-08         |
| Chromosome | Start Position | End Position | Score   |
|------------|----------------|--------------|---------|
| chr8       | 115282001      | 115287000    | 0.006819565 |
| chr8       | 115285001      | 115290000    | 0.003467353 |
| chr8       | 115335001      | 115340000    | 0.000658831 |
| chr8       | 115336001      | 115341000    | 3.98E-05   |
| chr8       | 115337001      | 115342000    | 8.56E-06   |
| chr8       | 115349001      | 115354000    | 9.55E-09   |
| chr8       | 115369001      | 115374000    | 3.55E-08   |
| chr8       | 115397001      | 115402000    | 3.41E-21   |
| chr8       | 115467001      | 115472000    | 1.27E-15   |
| chr8       | 115468001      | 115473000    | 3.81E-14   |
| chr8       | 115522001      | 115527000    | 2.00E-07   |
| chr8       | 115523001      | 115528000    | 1.81E-08   |
| chr8       | 115530001      | 115535000    | 6.88E-13   |
| chr8       | 115532001      | 115537000    | 7.73E-07   |
| chr8       | 115534001      | 115539000    | 8.90E-05   |
| chr8       | 115545001      | 115550000    | 4.19E-11   |
| chr8       | 115546001      | 115551000    | 9.12E-08   |
| chr8       | 115547001      | 115552000    | 5.03E-09   |
| chr8       | 115548001      | 115553000    | 1.36E-09   |
| chr8       | 115550001      | 115555000    | 2.35E-08   |
| chr8       | 115551001      | 115556000    | 7.97E-09   |
| chr8       | 115552001      | 115557000    | 1.32E-08   |
| chr8       | 115553001      | 115558000    | 5.91E-09   |
| chr8       | 115554001      | 115559000    | 6.91E-08   |
| chr8       | 115568001      | 115573000    | 0.000147586 |
| chr8       | 115669001      | 115674000    | 0.000616241 |
| chr8       | 115748001      | 115753000    | 6.53E-06   |
| chr8       | 115777001      | 115782000    | 0.000404599 |
| chr8       | 115802001      | 115807000    | 0.003345875 |
| chr8       | 115803001      | 115808000    | 0.00298262 |
| chr8       | 115804001      | 115809000    | 0.001585155 |
| chr8       | 115888001      | 115893000    | 5.75E-08   |
| chr8       | 115923001      | 115928000    | 5.25E-07   |
| chr8       | 115955001      | 115960000    | 8.54E-05   |
| chr8       | 115969001      | 115974000    | 6.88E-05   |
| chr8       | 115975001      | 115980000    | 5.72E-10   |
| chr8       | 115976001      | 115981000    | 4.74E-11   |
| chr8       | 115977001      | 115982000    | 3.00E-09   |
| chr8       | 115982001      | 115987000    | 0.008672355 |
| chr8       | 115983001      | 115988000    | 0.001073936 |
| chr8       | 116009001      | 116014000    | 4.40E-12   |
| chr8       | 116010001      | 116015000    | 1.23E-10   |
| chr8       | 116011001      | 116016000    | 4.74E-08   |
| chr8       | 116012001      | 116017000    | 1.35E-08   |
| chr8       | 116022001      | 116027000    | 7.14E-09   |
| chr8       | 116025001      | 116030000    | 5.12E-06   |
| chr8       | 116026001      | 116031000    | 1.19E-05   |
| chr8       | 116029001      | 116034000    | 0.00033178  |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr8       | 116919001      | 116924000    | 1.21E-07|
| chr8       | 116924001      | 116929000    | 5.01E-06|
| chr8       | 116972001      | 116977000    | 1.01E-05|
| chr8       | 116973001      | 116978000    | 1.53E-06|
| chr8       | 116974001      | 116979000    | 3.11E-06|
| chr8       | 116975001      | 116980000    | 6.93E-05|
| chr8       | 116976001      | 116981000    | 6.23E-05|
| chr8       | 116992001      | 116997000    | 0.000605175|
| chr8       | 116993001      | 116998000    | 0.000118352|
| chr8       | 116994001      | 116999000    | 2.31E-05|
| chr8       | 116996001      | 117001000    | 1.51E-08|
| chr8       | 116997001      | 117002000    | 5.43E-08|
| chr8       | 116998001      | 117003000    | 1.82E-07|
| chr8       | 117000001      | 117005000    | 9.30E-08|
| chr8       | 117001001      | 117006000    | 0.000578665|
| chr8       | 117002001      | 117007000    | 1.97E-05|
| chr8       | 117003001      | 117008000    | 2.17E-06|
| chr8       | 117004001      | 117009000    | 2.85E-06|
| chr8       | 117021001      | 117026000    | 7.13E-05|
| chr8       | 117029001      | 117034000    | 2.41E-09|
| chr8       | 117030001      | 117035000    | 3.19E-05|
| chr8       | 117031001      | 117036000    | 0.003617688|
| chr8       | 117033001      | 117038000    | 5.82E-06|
| chr8       | 117034001      | 117039000    | 7.27E-06|
| chr8       | 117035001      | 117040000    | 8.89E-07|
| chr8       | 117059001      | 117064000    | 1.95E-09|
| chr8       | 117060001      | 117065000    | 4.51E-14|
| chr8       | 117061001      | 117066000    | 1.19E-14|
| chr8       | 117062001      | 117067000    | 1.26E-12|
| chr8       | 117063001      | 117068000    | 2.68E-08|
| chr8       | 117064001      | 117069000    | 6.85E-06|
| chr8       | 117065001      | 117070000    | 0.00037409|
| chr8       | 117067001      | 117072000    | 3.59E-06|
| chr8       | 117068001      | 117073000    | 1.06E-05|
| chr8       | 117069001      | 117074000    | 0.000142142|
| chr8       | 117073001      | 117078000    | 3.32E-08|
| chr8       | 117074001      | 117079000    | 3.70E-09|
| chr8       | 117075001      | 117080000    | 1.13E-07|
| chr8       | 117115001      | 117120000    | 2.40E-13|
| chr8       | 117116001      | 117121000    | 2.18E-09|
| chr8       | 117130001      | 117135000    | 1.63E-10|
| chr8       | 117131001      | 117136000    | 1.58E-16|
| chr8       | 117132001      | 117137000    | 3.61E-17|
| chr8       | 117133001      | 117138000    | 4.55E-15|
| chr8       | 117134001      | 117139000    | 5.53E-11|
| chr8       | 117135001      | 117140000    | 2.19E-06|
| chr8       | 117141001      | 117146000    | 0.001257691|
| chr8       | 117143001      | 117148000    | 6.16E-11|
| Chromosome | Start (bp) | End (bp) | p-value          |
|------------|-----------|---------|-----------------|
| chr8       | 117171001 | 117176000 | 2.70E-14       |
| chr8       | 117177001 | 117182000 | 2.77E-07       |
| chr8       | 117173001 | 117178000 | 2.19E-10       |
| chr8       | 117174001 | 117179000 | 2.19E-05       |
| chr8       | 117176001 | 117181000 | 0.002486888    |
| chr8       | 117179001 | 117196000 | 7.58E-07       |
| chr8       | 117192001 | 117197000 | 2.22E-08       |
| chr8       | 117193001 | 117198000 | 8.32E-12       |
| chr8       | 117206001 | 117211000 | 1.05E-28       |
| chr8       | 117207001 | 117212000 | 8.97E-32       |
| chr8       | 117217001 | 117222000 | 9.23E-08       |
| chr8       | 117218001 | 117223000 | 4.30E-09       |
| chr8       | 117219001 | 117224000 | 2.41E-11       |
| chr8       | 117220001 | 117225000 | 2.23E-09       |
| chr8       | 117230001 | 117235000 | 6.15E-19       |
| chr8       | 117231001 | 117236000 | 5.14E-16       |
| chr8       | 117232001 | 117237000 | 4.64E-15       |
| chr8       | 117234001 | 117239000 | 4.22E-09       |
| chr8       | 117249001 | 117254000 | 2.17E-06       |
| chr8       | 117250001 | 117255000 | 4.94E-05       |
| chr8       | 117288001 | 117293000 | 0.007208568    |
| chr8       | 117289001 | 117294000 | 0.001097609    |
| chr8       | 117295001 | 117300000 | 1.76E-13       |
| chr8       | 117304001 | 117309000 | 1.54E-06       |
| chr8       | 117305001 | 117310000 | 2.10E-45       |
| chr8       | 117306001 | 117311000 | 7.20E-43       |
| chr8       | 117307001 | 117312000 | 2.84E-44       |
| chr8       | 117308001 | 117313000 | 2.84E-39       |
| chr8       | 117315001 | 117320000 | 3.84E-08       |
| chr8       | 117316001 | 117321000 | 5.75E-08       |
| chr8       | 117408001 | 117413000 | 0.002397576    |
| chr8       | 117498001 | 117503000 | 1.30E-10       |
| chr8       | 117942001 | 117947000 | 1.40E-08       |
| chr8       | 117943001 | 117948000 | 7.12E-09       |
| chr8       | 117944001 | 117949000 | 7.77E-10       |
| chr8       | 117990001 | 117995000 | 3.01E-07       |
| chr8       | 117991001 | 117996000 | 8.26E-09       |
| chr8       | 118012001 | 118017000 | 1.47E-09       |
| chr8       | 118013001 | 118018000 | 7.68E-10       |
| chr8       | 118014001 | 118019000 | 3.90E-08       |
| chr8       | 118015001 | 118020000 | 6.49E-10       |
| chr8       | 118040001 | 118045000 | 1.10E-06       |
| chr8       | 118049001 | 118054000 | 4.20E-10       |
| chr8       | 118064001 | 118069000 | 2.48E-15       |
| chr8       | 118065001 | 118070000 | 6.23E-14       |
| chr8       | 118066001 | 118071000 | 0.000260811    |
| chr8       | 118077001 | 118082000 | 4.28E-10       |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr8       | 118078001      | 118083000    | 7.00E-11       |
| chr8       | 118108001      | 118113000    | 2.90E-08       |
| chr8       | 118112001      | 118117000    | 0.002810399    |
| chr8       | 118129001      | 118134000    | 7.62E-09       |
| chr8       | 118130001      | 118135000    | 1.68E-07       |
| chr8       | 118131001      | 118136000    | 8.78E-08       |
| chr8       | 118169001      | 118174000    | 2.20E-09       |
| chr8       | 118170001      | 118175000    | 3.41E-08       |
| chr8       | 118171001      | 118176000    | 4.70E-07       |
| chr8       | 118219001      | 118224000    | 0.000460812    |
| chr8       | 118220001      | 118225000    | 8.41E-06       |
| chr8       | 118233001      | 118238000    | 0.000390406    |
| chr8       | 118234001      | 118239000    | 1.22E-05       |
| chr8       | 118235001      | 118240000    | 4.05E-11       |
| chr8       | 118253001      | 118258000    | 5.21E-09       |
| chr8       | 118283001      | 118288000    | 1.28E-05       |
| chr8       | 118284001      | 118289000    | 1.10E-06       |
| chr8       | 118285001      | 118290000    | 6.59E-07       |
| chr8       | 118293001      | 118298000    | 1.40E-09       |
| chr8       | 118298001      | 118303000    | 0.000256672    |
| chr8       | 118299001      | 118304000    | 2.99E-05       |
| chr8       | 118300001      | 118305000    | 1.59E-05       |
| chr8       | 118323001      | 118328000    | 7.30E-12       |
| chr8       | 118324001      | 118329000    | 2.01E-12       |
| chr8       | 118325001      | 118330000    | 1.83E-14       |
| chr8       | 118326001      | 118331000    | 2.63E-13       |
| chr8       | 118401001      | 118406000    | 2.89E-08       |
| chr8       | 118402001      | 118407000    | 1.13E-05       |
| chr8       | 118474001      | 118479000    | 0.008211081    |
| chr8       | 118493001      | 118498000    | 2.47E-06       |
| chr8       | 118559001      | 118564000    | 2.47E-05       |
| chr8       | 118612001      | 118617000    | 1.38E-07       |
| chr8       | 118669001      | 118674000    | 0.000241328    |
| chr8       | 118686001      | 118691000    | 1.00E-08       |
| chr8       | 118687001      | 118692000    | 0.00174502     |
| chr8       | 118689001      | 118694000    | 4.17E-07       |
| chr8       | 118690001      | 118695000    | 4.17E-07       |
| chr8       | 118691001      | 118696000    | 0.000519332    |
| chr8       | 118692001      | 118697000    | 8.96E-05       |
| chr8       | 119775001      | 119780000    | 0.003972817    |
| chr8       | 119776001      | 119781000    | 0.003129306    |
| chr8       | 119777001      | 119782000    | 0.00016956     |
| chr8       | 119851001      | 119856000    | 8.02E-14       |
| chr8       | 119900001      | 119905000    | 0.000136114    |
| chr8       | 119901001      | 119906000    | 4.46E-05       |
| chr8       | 119902001      | 119907000    | 0.000860071    |
| chr8       | 119949001      | 119954000    | 0.001963257    |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr8       | 120064001      | 120069000    | 0.002012052 |
| chr8       | 120345001      | 120350000    | 4.83E-11 |
| chr8       | 120731001      | 120736000    | 7.31E-05 |
| chr8       | 120732001      | 120737000    | 5.81E-05 |
| chr8       | 121750001      | 121755000    | 2.00E-08 |
| chr8       | 121828001      | 121833000    | 0.000205172 |
| chr8       | 121989001      | 121994000    | 0.000927307 |
| chr8       | 121990001      | 121995000    | 0.00110865 |
| chr8       | 122010001      | 122015000    | 0.002588651 |
| chr8       | 122011001      | 122016000    | 0.001162992 |
| chr8       | 122048001      | 122053000    | 1.16E-05 |
| chr8       | 122185001      | 122190000    | 1.42E-07 |
| chr8       | 122188001      | 122193000    | 0.0004425427 |
| chr8       | 122189001      | 122194000    | 0.001130817 |
| chr8       | 122801001      | 122806000    | 1.35E-19 |
| chr8       | 122901001      | 122906000    | 3.12E-05 |
| chr8       | 124747001      | 124752000    | 2.67E-07 |
| chr8       | 125036001      | 125041000    | 0.001332055 |
| chr8       | 126645001      | 126650000    | 3.32E-24 |
| chr8       | 126646001      | 126651000    | 1.75E-31 |
| chr8       | 126647001      | 126652000    | 1.26E-37 |
| chr8       | 126723001      | 126728000    | 1.36E-10 |
| chr8       | 126992001      | 126997000    | 0.000640289 |
| chr8       | 126993001      | 126998000    | 0.000160544 |
| chr8       | 126994001      | 126999000    | 0.000535343 |
| chr8       | 127148001      | 127153000    | 8.36E-08 |
| chr8       | 127149001      | 127154000    | 4.86E-08 |
| chr8       | 127224001      | 127229000    | 5.78E-06 |
| chr8       | 127225001      | 127230000    | 2.59E-06 |
| chr8       | 127226001      | 127231000    | 1.43E-05 |
| chr8       | 127246001      | 127251000    | 6.07E-06 |
| chr8       | 127247001      | 127252000    | 4.58E-07 |
| chr8       | 127256001      | 127261000    | 0.000394991 |
| chr8       | 127264001      | 127269000    | 0.000843493 |
| chr8       | 127265001      | 127270000    | 0.000661804 |
| chr8       | 127287001      | 127292000    | 4.00E-20 |
| chr8       | 127315001      | 127320000    | 4.85E-07 |
| chr8       | 127316001      | 127321000    | 3.19E-05 |
| chr8       | 127373001      | 127378000    | 5.45E-06 |
| chr8       | 127376001      | 127381000    | 1.58E-11 |
| chr8       | 127377001      | 127382000    | 3.67E-11 |
| chr8       | 127540001      | 127545000    | 6.62E-10 |
| chr8       | 127653001      | 127658000    | 1.58E-05 |
| chr8       | 128187001      | 128192000    | 0.000113298 |
| chr8       | 128224001      | 128229000    | 1.73E-05 |
| chr8       | 128225001      | 128230000    | 1.41E-10 |
| chr8       | 128226001      | 128231000    | 3.86E-08 |
| chr8       | 128255001      | 128260000    | 4.55E-10 |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr8       | 128280001      | 128285000    | 0.002187845 |
| chr8       | 128281001      | 128286000    | 0.000564007  |
| chr8       | 128282001      | 128287000    | 0.006276427   |
| chr8       | 128356001      | 128361000    | 0.001660364   |
| chr8       | 128431001      | 128436000    | 1.67E-08      |
| chr8       | 128464001      | 128469000    | 4.23E-10      |
| chr8       | 128465001      | 128470000    | 3.00E-12      |
| chr8       | 128489001      | 128494000    | 9.41E-25      |
| chr8       | 128490001      | 128495000    | 2.66E-20      |
| chr8       | 128491001      | 128496000    | 9.29E-14      |
| chr8       | 128492001      | 128497000    | 6.56E-17      |
| chr8       | 128523001      | 128528000    | 5.53E-12      |
| chr8       | 128524001      | 128529000    | 9.10E-13      |
| chr8       | 128525001      | 128530000    | 6.67E-06      |
| chr8       | 128526001      | 128531000    | 2.26E-06      |
| chr8       | 128527001      | 128532000    | 0.005778706   |
| chr8       | 129552001      | 129557000    | 2.35E-11      |
| chr8       | 129557001      | 129562000    | 2.00E-06      |
| chr8       | 129601001      | 129606000    | 2.80E-08      |
| chr8       | 129641001      | 129646000    | 5.89E-05      |
| chr8       | 129642001      | 129647000    | 2.74E-07      |
| chr8       | 129643001      | 129648000    | 1.09E-08      |
| chr8       | 129644001      | 129649000    | 8.84E-11      |
| chr8       | 129645001      | 129650000    | 2.53E-10      |
| chr8       | 129741001      | 129746000    | 0.00082162    |
| chr8       | 129789001      | 129794000    | 2.41E-06      |
| chr8       | 129793001      | 129798000    | 0.004182249   |
| chr8       | 129941001      | 129946000    | 0.000166186   |
| chr8       | 129945001      | 129950000    | 1.88E-07      |
| chr8       | 129991001      | 129996000    | 0.00295765    |
| chr8       | 130102001      | 130107000    | 2.78E-08      |
| chr8       | 130103001      | 130108000    | 1.19E-11      |
| chr8       | 130219001      | 130224000    | 0.000670451   |
| chr8       | 130258001      | 130263000    | 3.21E-14      |
| chr8       | 130269001      | 130274000    | 1.64E-06      |
| chr8       | 130270001      | 130275000    | 3.47E-08      |
| chr8       | 130271001      | 130276000    | 2.19E-09      |
| chr8       | 130272001      | 130277000    | 1.28E-09      |
| chr8       | 130273001      | 130278000    | 9.24E-10      |
| chr8       | 130296001      | 130301000    | 0.000982559   |
| chr8       | 130402001      | 130407000    | 2.11E-05      |
| chr8       | 130592001      | 130597000    | 6.55E-14      |
| chr8       | 131337001      | 131342000    | 2.31E-14      |
| chr8       | 131338001      | 131343000    | 3.25E-15      |
| chr8       | 131562001      | 131567000    | 3.01E-16      |
| chr8       | 131611001      | 131616000    | 3.67E-21      |
| chr8       | 131612001      | 131617000    | 2.77E-17      |
| chr8       | 131613001      | 131618000    | 1.91E-18      |
| Chromosome | Start | End     | Value       |
|------------|-------|---------|-------------|
| chr8       | 131671001 | 131676000 | 5.13E-15     |
| chr8       | 131672001 | 131677000 | 4.27E-13     |
| chr8       | 131673001 | 131678000 | 2.26E-12     |
| chr8       | 131674001 | 131679000 | 1.21E-13     |
| chr8       | 131675001 | 131680000 | 8.67E-12     |
| chr8       | 131911001 | 131916000 | 5.83E-17     |
| chr8       | 132016001 | 132021000 | 2.08E-08     |
| chr8       | 132496001 | 132501000 | 6.13E-15     |
| chr8       | 132497001 | 132502000 | 0.000171019  |
| chr8       | 132498001 | 132503000 | 8.71E-15     |
| chr8       | 132522001 | 132527000 | 1.69E-15     |
| chr8       | 132530001 | 132535000 | 0.010077194  |
| chr8       | 132597001 | 132602000 | 0.000171019  |
| chr8       | 132598001 | 132603000 | 0.000149519  |
| chr8       | 132683001 | 132688000 | 0.000849426  |
| chr8       | 132684001 | 132689000 | 0.001498121  |
| chr8       | 132694001 | 132699000 | 1.51E-05     |
| chr8       | 132696001 | 132701000 | 6.59E-05     |
| chr8       | 132706001 | 132711000 | 0.004102965  |
| chr8       | 132805001 | 132810000 | 1.06E-13     |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr8       | 132816001      | 132821000    | 6.48E-17       |
| chr8       | 132836001      | 132841000    | 4.61E-17       |
| chr8       | 132841001      | 132846000    | 0.000410532    |
| chr8       | 132883001      | 132888000    | 1.50E-07       |
| chr8       | 132884001      | 132889000    | 5.41E-09       |
| chr8       | 132885001      | 132890000    | 7.25E-11       |
| chr8       | 133097001      | 133102000    | 2.13E-20       |
| chr8       | 133195001      | 133200000    | 3.23E-12       |
| chr8       | 133210001      | 133215000    | 8.71E-15       |
| chr8       | 133211001      | 133216000    | 1.00E-11       |
| chr8       | 133212001      | 133217000    | 1.58E-11       |
| chr8       | 133241001      | 133246000    | 5.81E-10       |
| chr8       | 133242001      | 133247000    | 3.87E-16       |
| chr8       | 133258001      | 133263000    | 4.63E-28       |
| chr8       | 133259001      | 133264000    | 1.74E-33       |
| chr8       | 133260001      | 133265000    | 3.17E-26       |
| chr8       | 133261001      | 133266000    | 1.41E-30       |
| chr8       | 133262001      | 133267000    | 8.10E-31       |
| chr8       | 133267001      | 133272000    | 7.16E-13       |
| chr8       | 133268001      | 133273000    | 1.88E-15       |
| chr8       | 133280001      | 133285000    | 7.09E-13       |
| chr8       | 133281001      | 133286000    | 9.55E-14       |
| chr8       | 133282001      | 133287000    | 1.08E-12       |
| chr8       | 133283001      | 133288000    | 2.05E-13       |
| chr8       | 133292001      | 133297000    | 2.33E-16       |
| chr8       | 133307001      | 133312000    | 3.21E-07       |
| chr8       | 133481001      | 133486000    | 3.84E-11       |
| chr8       | 133482001      | 133487000    | 1.98E-06       |
| chr8       | 135010001      | 135015000    | 5.09E-09       |
| chr8       | 135011001      | 135016000    | 1.03E-09       |
| chr8       | 135031001      | 135036000    | 1.34E-08       |
| chr8       | 135032001      | 135037000    | 3.17E-08       |
| chr8       | 135072001      | 135077000    | 8.55E-06       |
| chr8       | 135073001      | 135078000    | 1.25E-07       |
| chr8       | 135074001      | 135079000    | 0.000823531    |
| chr8       | 135075001      | 135080000    | 6.29E-06       |
| chr8       | 135131001      | 135136000    | 0.00012407     |
| chr8       | 135142001      | 135147000    | 0.001083898    |
| chr8       | 135221001      | 135226000    | 1.86E-07       |
| chr8       | 135222001      | 135227000    | 1.03E-08       |
| chr8       | 135223001      | 135228000    | 2.39E-07       |
| chr8       | 135224001      | 135229000    | 6.18E-09       |
| chr8       | 135240001      | 135245000    | 4.80E-08       |
| chr8       | 135254001      | 135259000    | 5.02E-05       |
| chr8       | 135311001      | 135316000    | 3.00E-06       |
| chr8       | 135349001      | 135354000    | 3.94E-11       |
| chr8       | 135410001      | 135415000    | 3.59E-07       |
| chr8       | 136491001      | 136496000    | 4.45E-08       |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr8       | 136544001      | 136549000    | 9.16E-14 |
| chr8       | 136932001      | 136937000    | 2.36E-09 |
| chr8       | 137165001      | 137170000    | 8.26E-05 |
| chr8       | 137379001      | 137384000    | 8.85E-08 |
| chr8       | 137505001      | 137510000    | 0.000869435 |
| chr8       | 137506001      | 137511000    | 0.000419742 |
| chr8       | 137535001      | 137540000    | 7.07E-06 |
| chr8       | 137536001      | 137541000    | 0.001515504 |
| chr8       | 137736001      | 137741000    | 0.000191498 |
| chr8       | 137795001      | 137900000    | 0.027138404 |
| chr8       | 137925001      | 137930000    | 1.33E-07 |
| chr8       | 137926001      | 137931000    | 9.97E-08 |
| chr8       | 138067001      | 138072000    | 0.001618003 |
| chr8       | 138071001      | 138076000    | 0.010096208 |
| chr8       | 138084001      | 138089000    | 0.001369975 |
| chr8       | 138085001      | 138090000    | 0.001296977 |
| chr8       | 138128001      | 138133000    | 3.06E-21 |
| chr8       | 138129001      | 138134000    | 2.27E-10 |
| chr8       | 138130001      | 138135000    | 8.11E-11 |
| chr8       | 138131001      | 138136000    | 1.19E-11 |
| chr8       | 138246001      | 138251000    | 5.33E-14 |
| chr8       | 138273001      | 138278000    | 6.71E-05 |
| chr8       | 138274001      | 138279000    | 0.000136391 |
| chr8       | 138275001      | 138280000    | 9.54E-06 |
| chr8       | 138276001      | 138281000    | 0.000201639 |
| chr8       | 138283001      | 138288000    | 1.78E-16 |
| chr8       | 138340001      | 138345000    | 1.77E-09 |
| chr8       | 138359001      | 138364000    | 7.04E-09 |
| chr8       | 138388001      | 138393000    | 3.66E-05 |
| chr8       | 138389001      | 138394000    | 0.000211739 |
| chr8       | 138390001      | 138395000    | 6.61E-05 |
| chr8       | 138520001      | 138525000    | 7.24E-09 |
| chr8       | 138521001      | 138526000    | 2.17E-09 |
| chr8       | 138565001      | 138570000    | 4.87E-11 |
| chr8       | 138588001      | 138593000    | 1.44E-08 |
| chr8       | 138724001      | 138729000    | 5.67E-06 |
| chr8       | 138740001      | 138745000    | 3.17E-09 |
| chr8       | 138942001      | 138947000    | 5.68E-17 |
| chr8       | 139089001      | 139094000    | 2.64E-08 |
| chr8       | 139172001      | 139177000    | 3.48E-13 |
| chr8       | 139449001      | 139454000    | 5.46E-10 |
| chr8       | 139450001      | 139455000    | 2.37E-06 |
| chr8       | 139630001      | 139635000    | 8.67E-17 |
| chr8       | 139642001      | 139647000    | 0.000317948 |
| chr8       | 139865001      | 139870000    | 9.99E-17 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr8       | 139990001 | 139995000 | 1.40E-09  |
| chr8       | 140071001  | 140076000  | 4.84E-08  |
| chr8       | 142066001  | 142071000  | 5.17E-26  |
| chr8       | 142288001  | 142293000  | 3.98E-47  |
| chr8       | 142289001  | 142294000  | 4.27E-47  |
| chr8       | 142605001  | 142610000  | 1.41E-28  |
| chr8       | 142606001  | 142611000  | 2.77E-33  |
| chr8       | 142607001  | 142612000  | 9.12E-35  |
| chr8       | 143103001  | 143108000  | 3.00E-17  |
| chr8       | 143104001  | 143109000  | 3.18E-23  |
| chr8       | 143171001  | 143176000  | 5.37E-11  |
| chr8       | 143310001  | 143315000  | 5.19E-20  |
| chr8       | 143311001  | 143316000  | 5.80E-20  |
| chr8       | 143312001  | 143317000  | 2.72E-21  |
| chr8       | 143332001  | 143337000  | 2.24E-09  |
| chr8       | 143333001  | 143338000  | 1.39E-07  |
| chr8       | 143573001  | 143578000  | 1.88E-13  |
| chr8       | 143576001  | 143581000  | 3.70E-19  |
| chr8       | 143577001  | 143582000  | 1.31E-19  |
| chr8       | 143613001  | 143618000  | 2.19E-13  |
| chr8       | 143687001  | 143692000  | 2.16E-20  |
| chr8       | 143688001  | 143693000  | 1.05E-16  |
| chr8       | 143852001  | 143857000  | 3.70E-22  |
| chr8       | 143853001  | 143858000  | 2.28E-24  |
| chr8       | 143868001  | 143873000  | 1.68E-08  |
| chr8       | 143990001  | 143995000  | 5.33E-10  |
| chr8       | 144075001  | 144080000  | 3.17E-08  |
| chr8       | 144104001  | 144109000  | 4.19E-19  |
| chr8       | 144125001  | 144130000  | 2.24E-25  |
| chr8       | 144136001  | 144141000  | 2.17E-44  |
| chr8       | 144137001  | 144142000  | 1.99E-39  |
| chr8       | 144455001  | 144460000  | 1.08E-32  |
| chr8       | 144456001  | 144461000  | 8.24E-39  |
| chr8       | 144459001  | 144464000  | 1.11E-33  |
| chr8       | 144460001  | 144465000  | 4.27E-28  |
| chr8       | 144461001  | 144466000  | 5.34E-16  |
| chr8       | 144462001  | 144467000  | 1.05E-19  |
| chr8       | 144474001  | 144479000  | 4.85E-10  |
| chr8       | 144497001  | 144502000  | 6.38E-17  |
| chr8       | 144498001  | 144503000  | 1.34E-16  |
| chr8       | 144499001  | 144504000  | 3.72E-10  |
| chr8       | 144504001  | 144509000  | 2.82E-11  |
| chr8       | 144505001  | 144510000  | 1.91E-37  |
| chr8       | 144944001  | 144949000  | 1.25E-40  |
| chr8       | 144946001  | 144951000  | 4.97E-31  |
| chr8       | 144947001  | 144952000  | 7.95E-30  |
| chr8       | 144961001  | 144966000  | 3.04E-21  |
| chr8       | 144962001  | 144967000  | 1.35E-28  |
| Chromosome | Start | End   | Value        |
|------------|-------|-------|--------------|
| chr8       | 14502 | 14502 | 3.07E-10     |
| chr8       | 14514 | 14514 | 5.73E-21     |
| chr8       | 14516 | 14516 | 1.13E-28     |
| chr8       | 14517 | 14517 | 7.89E-28     |
| chr8       | 14528 | 14528 | 2.51E-26     |
| chr8       | 14528 | 14528 | 1.36E-20     |
| chr8       | 14535 | 14535 | 1.43E-27     |
| chr8       | 14572 | 14572 | 7.47E-10     |
| chr8       | 14591 | 14591 | 3.54E-27     |
| chr8       | 14591 | 14591 | 5.80E-27     |
| chr8       | 14627 | 14627 | 9.26E-12     |
| chr8       | 14627 | 14627 | 6.56E-20     |
| chr9       | 48700 | 48700 | 6.26E-07     |
| chr9       | 68800 | 68800 | 0.016882667  |
| chr9       | 16060 | 16060 | 0.0010148    |
| chr9       | 29360 | 29360 | 0.000143375  |
| chr9       | 29500 | 29500 | 0.000189141  |
| chr9       | 30140 | 30140 | 0.00233988   |
| chr9       | 30160 | 30160 | 1.06E-12     |
| chr9       | 30170 | 30170 | 7.57E-11     |
| chr9       | 30180 | 30180 | 2.76E-10     |
| chr9       | 30190 | 30190 | 6.83E-08     |
| chr9       | 30790 | 30790 | 0.000697005  |
| chr9       | 30800 | 30800 | 0.001722093  |
| chr9       | 37170 | 37170 | 0.000169769  |
| chr9       | 37290 | 37290 | 1.89E-10     |
| chr9       | 66560 | 66560 | 0.004236184  |
| chr9       | 72840 | 72840 | 8.35E-08     |
| chr9       | 75080 | 75080 | 0.000310481  |
| chr9       | 75090 | 75090 | 6.08E-05     |
| chr9       | 75110 | 75110 | 0.00040974   |
| chr9       | 75850 | 75850 | 7.82E-05     |
| chr9       | 77280 | 77280 | 4.57E-06     |
| chr9       | 77720 | 77720 | 0.00066522   |
| chr9       | 77730 | 77730 | 2.80E-05     |
| chr9       | 78410 | 78410 | 0.000180569  |
| chr9       | 78860 | 78860 | 0.00061273   |
| chr9       | 80220 | 80220 | 0.000710911  |
| chr9       | 80230 | 80230 | 2.17E-06     |
| chr9       | 80240 | 80240 | 2.23E-07     |
| chr9       | 82100 | 82100 | 6.25E-08     |
| chr9       | 82650 | 82650 | 0.00182107   |
| chr9       | 82660 | 82660 | 0.000688387  |
| chr9       | 84420 | 84420 | 0.000942094  |
| chr9       | 88730 | 88730 | 0.000209464  |
| chr9       | 89450 | 89450 | 3.73E-07     |
| chr9       | 89460 | 89460 | 1.41E-06     |
| chr9       | 95770 | 95770 | 0.000277874  |
| Chromosome | Start Position | End Position | P-Value  |
|------------|----------------|--------------|----------|
| chr9       | 18366001       | 18371000     | 3.90E-12 |
| chr9       | 18700001       | 18705000     | 4.35E-07 |
| chr9       | 18868001       | 18873000     | 8.79E-05 |
| chr9       | 18879001       | 18884000     | 0.00237649 |
| chr9       | 18880001       | 18885000     | 0.00136294 |
| chr9       | 18881001       | 18886000     | 1.73E-06 |
| chr9       | 18882001       | 18887000     | 2.38E-06 |
| chr9       | 19154001       | 19159000     | 1.54E-05 |
| chr9       | 19205001       | 19210000     | 1.25E-10 |
| chr9       | 19206001       | 19211000     | 3.86E-11 |
| chr9       | 19207001       | 19212000     | 2.24E-05 |
| chr9       | 19646001       | 19651000     | 2.29E-05 |
| chr9       | 19729001       | 19734000     | 0.001223189 |
| chr9       | 19790001       | 19795000     | 0.003336532 |
| chr9       | 20628001       | 20633000     | 0.001074696 |
| chr9       | 21349001       | 21354000     | 0.001509213 |
| chr9       | 21919001       | 21924000     | 0.000120484 |
| chr9       | 22239001       | 22244000     | 8.35E-05 |
| chr9       | 22240001       | 22245000     | 2.51E-05 |
| chr9       | 22241001       | 22246000     | 6.61E-05 |
| chr9       | 22257001       | 22262000     | 0.003254004 |
| chr9       | 22269001       | 22274000     | 0.000419559 |
| chr9       | 22271001       | 22276000     | 2.06E-06 |
| chr9       | 22272001       | 22277000     | 9.67E-07 |
| chr9       | 22273001       | 22278000     | 4.96E-07 |
| chr9       | 22298001       | 22303000     | 3.35E-06 |
| chr9       | 22365001       | 22370000     | 1.52E-05 |
| chr9       | 23280001       | 23285000     | 0.000120921 |
| chr9       | 23281001       | 23286000     | 4.22E-05 |
| chr9       | 23282001       | 23287000     | 0.000180569 |
| chr9       | 23337001       | 23342000     | 0.005345875 |
| chr9       | 23559001       | 23564000     | 1.12E-07 |
| chr9       | 24044001       | 24049000     | 2.36E-07 |
| chr9       | 24045001       | 24050000     | 1.86E-11 |
| chr9       | 24047001       | 24052000     | 6.55E-06 |
| chr9       | 24062001       | 24067000     | 0.000164138 |
| chr9       | 24212001       | 24217000     | 0.00084947 |
| chr9       | 24213001       | 24218000     | 0.00044165 |
| chr9       | 24423001       | 24428000     | 8.84E-10 |
| chr9       | 24424001       | 24429000     | 1.65E-08 |
| chr9       | 24481001       | 24486000     | 0.006137127 |
| chr9       | 24562001       | 24567000     | 0.000423545 |
| chr9       | 24563001       | 24568000     | 0.011642255 |
| chr9       | 24625001       | 24630000     | 0.000621694 |
| chr9       | 24626001       | 24631000     | 0.000520167 |
| chr9       | 24627001       | 24632000     | 0.001462978 |
| chr9       | 24674001       | 24679000     | 1.54E-05 |
| chr9       | 24675001       | 24680000     | 8.21E-10 |
| Chromosome | Start Position | End Position | p-Value          |
|------------|----------------|--------------|-----------------|
| chr9       | 24676001       | 24681000     | 1.52E-06        |
| chr9       | 24797001       | 24802000     | 0.000280383     |
| chr9       | 24798001       | 24803000     | 0.000208341     |
| chr9       | 24799001       | 24804000     | 0.008061236     |
| chr9       | 24819001       | 24824000     | 0.000117248     |
| chr9       | 24899001       | 24904000     | 0.001307103     |
| chr9       | 24908001       | 24913000     | 0.00312654      |
| chr9       | 24910001       | 24915000     | 0.004457277     |
| chr9       | 25174001       | 25179000     | 1.18E-05        |
| chr9       | 25175001       | 25180000     | 1.18E-05        |
| chr9       | 25178001       | 25183000     | 2.48E-05        |
| chr9       | 25193001       | 25198000     | 0.000185215     |
| chr9       | 25277001       | 25282000     | 1.56E-06        |
| chr9       | 25278001       | 25283000     | 2.11E-06        |
| chr9       | 25279001       | 25284000     | 2.75E-06        |
| chr9       | 25280001       | 25285000     | 1.11E-06        |
| chr9       | 25355001       | 25360000     | 3.18E-05        |
| chr9       | 25358001       | 25363000     | 5.27E-06        |
| chr9       | 25497001       | 25502000     | 0.000230054     |
| chr9       | 25498001       | 25503000     | 0.000588429     |
| chr9       | 25499001       | 25504000     | 0.00019466      |
| chr9       | 25785001       | 25790000     | 0.000862177     |
| chr9       | 25902001       | 25907000     | 0.000588718     |
| chr9       | 25960001       | 25965000     | 0.000186985     |
| chr9       | 26259001       | 26264000     | 0.000116217     |
| chr9       | 26267001       | 26272000     | 1.97E-05        |
| chr9       | 26268001       | 26273000     | 2.23E-08        |
| chr9       | 26269001       | 26274000     | 1.76E-07        |
| chr9       | 26270001       | 26275000     | 0.00315598      |
| chr9       | 26501001       | 26506000     | 2.60E-06        |
| chr9       | 26502001       | 26507000     | 3.22E-07        |
| chr9       | 26503001       | 26508000     | 2.68E-07        |
| chr9       | 27277001       | 27282000     | 2.32E-06        |
| chr9       | 27958001       | 27963000     | 1.45E-05        |
| chr9       | 27959001       | 27964000     | 3.01E-05        |
| chr9       | 27960001       | 27965000     | 4.93E-05        |
| chr9       | 28072001       | 28077000     | 1.40E-05        |
| chr9       | 28073001       | 28078000     | 0.000371595     |
| chr9       | 28117001       | 28122000     | 4.41E-07        |
| chr9       | 28119001       | 28124000     | 1.11E-05        |
| chr9       | 28120001       | 28125000     | 1.06E-05        |
| chr9       | 28121001       | 28126000     | 8.52E-06        |
| chr9       | 28140001       | 28145000     | 0.000977256     |
| chr9       | 28141001       | 28146000     | 5.27E-06        |
| chr9       | 28164001       | 28169000     | 0.000885233     |
| chr9       | 28165001       | 28170000     | 7.76E-05        |
| chr9       | 28176001       | 28181000     | 0.001517378     |
| chr9       | 28600001       | 28605000     | 1.89E-05        |
| Chr  | Start      | End        | P-value     |
|------|------------|------------|-------------|
| chr9 | 28601001   | 28606000   | 0.00121352  |
| chr9 | 28602001   | 28607000   | 0.000893725 |
| chr9 | 28603001   | 28608000   | 0.000786161 |
| chr9 | 28641001   | 28646000   | 1.28E-07    |
| chr9 | 28643001   | 28648000   | 0.000265587 |
| chr9 | 28777001   | 28782000   | 0.008069373 |
| chr9 | 28778001   | 28783000   | 0.006639338 |
| chr9 | 28798001   | 28803000   | 2.00E-05    |
| chr9 | 28799001   | 28804000   | 1.97E-05    |
| chr9 | 28800001   | 28805000   | 8.58E-06    |
| chr9 | 28818001   | 28823000   | 1.05E-05    |
| chr9 | 28819001   | 28824000   | 8.06E-06    |
| chr9 | 28820001   | 28825000   | 2.06E-06    |
| chr9 | 28842001   | 28847000   | 0.000257797 |
| chr9 | 28866001   | 28871000   | 8.21E-06    |
| chr9 | 28867001   | 28872000   | 7.00E-08    |
| chr9 | 28868001   | 28873000   | 1.22E-05    |
| chr9 | 28869001   | 28874000   | 2.56E-05    |
| chr9 | 28969001   | 28974000   | 2.36E-08    |
| chr9 | 28970001   | 28975000   | 2.30E-07    |
| chr9 | 28971001   | 28976000   | 2.40E-05    |
| chr9 | 28980001   | 28985000   | 0.000357606 |
| chr9 | 29296001   | 29301000   | 6.37E-05    |
| chr9 | 29297001   | 29302000   | 0.000741611 |
| chr9 | 29389001   | 29394000   | 0.000266811 |
| chr9 | 29390001   | 29395000   | 0.000145285 |
| chr9 | 29440001   | 29445000   | 9.04E-05    |
| chr9 | 29441001   | 29446000   | 7.52E-06    |
| chr9 | 29442001   | 29447000   | 1.62E-05    |
| chr9 | 29443001   | 29448000   | 9.38E-08    |
| chr9 | 29444001   | 29449000   | 2.93E-06    |
| chr9 | 29506001   | 29511000   | 0.00111928  |
| chr9 | 29509001   | 29514000   | 0.000865108 |
| chr9 | 29668001   | 29673000   | 4.98E-11    |
| chr9 | 29862001   | 29867000   | 8.27E-05    |
| chr9 | 29863001   | 29868000   | 2.73E-05    |
| chr9 | 29895001   | 29900000   | 1.14E-05    |
| chr9 | 29896001   | 29901000   | 3.92E-06    |
| chr9 | 29897001   | 29902000   | 1.90E-05    |
| chr9 | 29961001   | 29966000   | 0.00035357  |
| chr9 | 29962001   | 29967000   | 8.11E-05    |
| chr9 | 29963001   | 29968000   | 0.000231636 |
| chr9 | 29965001   | 29970000   | 5.03E-08    |
| chr9 | 30050001   | 30055000   | 0.005827125 |
| chr9 | 30084001   | 30089000   | 0.000668062 |
| chr9 | 30435001   | 30440000   | 6.33E-06    |
| chr9 | 30726001   | 30731000   | 0.003564728 |
| chr9 | 30727001   | 30732000   | 0.000438145 |
| Chromosome | Start  | End    | p-value       |
|------------|--------|--------|---------------|
| chr9       | 30851001 | 30856000 | 4.88E-11      |
| chr9       | 30900001 | 30905000 | 8.22E-06      |
| chr9       | 30901001 | 30906000 | 2.28E-07      |
| chr9       | 30902001 | 30907000 | 1.98E-06      |
| chr9       | 30903001 | 30908000 | 4.93E-06      |
| chr9       | 30976001 | 30981000 | 0.000292538   |
| chr9       | 31017001 | 31022000 | 2.18E-05      |
| chr9       | 31066001 | 31071000 | 0.010871337   |
| chr9       | 31082001 | 31087000 | 4.45E-05      |
| chr9       | 31099001 | 31104000 | 8.05E-07      |
| chr9       | 31100001 | 31105000 | 9.93E-07      |
| chr9       | 31110001 | 31115000 | 0.002287613   |
| chr9       | 31111001 | 31116000 | 0.000150216   |
| chr9       | 31112001 | 31125000 | 6.44E-07      |
| chr9       | 31121001 | 31126000 | 8.62E-07      |
| chr9       | 31122001 | 31127000 | 7.78E-11      |
| chr9       | 31123001 | 31128000 | 1.48E-11      |
| chr9       | 31124001 | 31129000 | 6.42E-05      |
| chr9       | 31302001 | 31307000 | 0.000364451   |
| chr9       | 31304001 | 31309000 | 0.00010443    |
| chr9       | 31649001 | 31654000 | 1.96E-05      |
| chr9       | 31650001 | 31655000 | 1.51E-05      |
| chr9       | 31769001 | 31774000 | 4.47E-05      |
| chr9       | 31770001 | 31775000 | 1.83E-09      |
| chr9       | 31771001 | 31776000 | 6.41E-09      |
| chr9       | 31798001 | 31803000 | 0.000415403   |
| chr9       | 31829001 | 31834000 | 0.000535399   |
| chr9       | 31911001 | 31916000 | 7.88E-10      |
| chr9       | 31912001 | 31917000 | 3.84E-10      |
| chr9       | 31913001 | 31918000 | 2.18E-10      |
| chr9       | 31928001 | 31933000 | 0.001414074   |
| chr9       | 32303001 | 32308000 | 0.000138793   |
| chr9       | 32788001 | 32793000 | 0.001273397   |
| chr9       | 32790001 | 32795000 | 1.73E-06      |
| chr9       | 33442001 | 33447000 | 7.46E-09      |
| chr9       | 33871001 | 33876000 | 8.21E-14      |
| chr9       | 33999001 | 34004000 | 0.00014469    |
| chr9       | 34120001 | 34125000 | 3.90E-17      |
| chr9       | 34546001 | 34551000 | 5.14E-05      |
| chr9       | 36004001 | 36009000 | 0.000413204   |
| chr9       | 36743001 | 36748000 | 0.001139022   |
| chr9       | 36744001 | 36749000 | 1.93E-05      |
| chr9       | 36990001 | 36995000 | 2.68E-06      |
| chr9       | 36991001 | 36996000 | 6.76E-06      |
| chr9       | 36992001 | 36997000 | 6.15E-08      |
| chr9       | 36993001 | 36998000 | 7.10E-08      |
| chr9       | 37019001 | 37024000 | 1.61E-05      |
| chr9       | 37020001 | 37025000 | 2.63E-06      |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr9       | 38178001       | 38183000     | 1.78E-07 |
| chr9       | 38294001       | 38299000     | 8.10E-06 |
| chr9       | 38307001       | 38312000     | 5.57E-07 |
| chr9       | 38373001       | 38378000     | 1.46E-11 |
| chr9       | 39070001       | 39075000     | 0.007140374 |
| chr9       | 39071001       | 39076000     | 8.21E-05 |
| chr9       | 39072001       | 39077000     | 0.001879507 |
| chr9       | 40380001       | 40385000     | 0.001324737 |
| chr9       | 40529001       | 40534000     | 0.001958703 |
| chr9       | 40530001       | 40535000     | 0.000568947 |
| chr9       | 40581001       | 40586000     | 0.000775626 |
| chr9       | 40582001       | 40587000     | 0.000943543 |
| chr9       | 40583001       | 40588000     | 0.000894565 |
| chr9       | 40584001       | 40589000     | 0.006625872 |
| chr9       | 40585001       | 40590000     | 0.02251277 |
| chr9       | 40811001       | 40816000     | 1.54E-09 |
| chr9       | 40812001       | 40817000     | 6.74E-08 |
| chr9       | 42182001       | 42187000     | 0.000791407 |
| chr9       | 42183001       | 42188000     | 0.000791407 |
| chr9       | 42266001       | 42271000     | 0.00024273 |
| chr9       | 42835001       | 42840000     | 0.031952045 |
| chr9       | 42949001       | 42954000     | 4.97E-06 |
| chr9       | 42950001       | 42955000     | 8.41E-07 |
| chr9       | 42951001       | 42956000     | 2.55E-07 |
| chr9       | 42952001       | 42957000     | 1.34E-08 |
| chr9       | 42993001       | 42998000     | 0.000657670 |
| chr9       | 42994001       | 42999000     | 0.000657670 |
| chr9       | 42997001       | 43002000     | 2.06E-07 |
| chr9       | 43593001       | 43598000     | 3.12E-05 |
| chr9       | 45437001       | 45442000     | 1.11E-07 |
| chr9       | 45439001       | 45444000     | 2.76E-08 |
| chr9       | 46763001       | 46768000     | 0.000819535 |
| chr9       | 46764001       | 46769000     | 0.000819535 |
| chr9       | 65625001       | 65630000     | 3.16E-05 |
| chr9       | 66763001       | 66768000     | 0.000365843 |
| chr9       | 67069001       | 67074000     | 0.005875854 |
| chr9       | 67935001       | 67940000     | 4.46E-06 |
| chr9       | 68297001       | 68302000     | 8.46E-05 |
| chr9       | 68673001       | 68678000     | 9.28E-06 |
| chr9       | 68823001       | 68828000     | 0.002022982 |
| chr9       | 68824001       | 68829000     | 1.36E-05 |
| chr9       | 68833001       | 68838000     | 7.29E-06 |
| chr9       | 69351001       | 69356000     | 3.84E-08 |
| chr9       | 69399001       | 69404000     | 0.001482035 |
| chr9       | 69426001       | 69431000     | 1.97E-06 |
| chr9       | 69427001       | 69432000     | 5.77E-06 |
| chr9       | 69428001       | 69433000     | 1.72E-05 |
| chr9       | 69432001       | 69437000     | 0.004668379 |
| Chr | Start | End   | p-value   |
|-----|-------|-------|-----------|
| chr9| 6946001| 69461000 | 1.07E-05  |
| chr9| 6946001| 69462000 | 0.000248768  |
| chr9| 6950001| 69505000 | 0.000720003  |
| chr9| 6965001| 69659000 | 0.001195365  |
| chr9| 6966001| 69661000 | 0.001195365  |
| chr9| 6971001| 69764000 | 0.022287421  |
| chr9| 7003001| 70008000 | 2.05E-05  |
| chr9| 7099001| 71004000 | 1.19E-06  |
| chr9| 7239001| 72403000 | 0.002130833  |
| chr9| 7375001| 73763000 | 0.000552341  |
| chr9| 7387001| 73874000 | 0.001357087  |
| chr9| 7437001| 74376000 | 1.09E-06  |
| chr9| 7459001| 74600000 | 3.91E-06  |
| chr9| 7519001| 75200000 | 3.50E-05  |
| chr9| 7579001| 75796000 | 2.28E-05  |
| chr9| 7625001| 76261000 | 4.23E-06  |
| chr9| 76257001| 76262000 | 3.03E-07  |
| chr9| 7648001| 76493000 | 1.98E-11  |
| chr9| 7649001| 76495000 | 7.36E-10  |
| chr9| 7650001| 76508000 | 0.015338896  |
| chr9| 76544001| 76549000 | 0.008562764  |
| chr9| 77182001| 77187000 | 3.82E-10  |
| chr9| 77704001| 77709000 | 1.15E-08  |
| chr9| 78073001| 78078000 | 0.000208943  |
| chr9| 78074001| 78079000 | 3.49E-05  |
| chr9| 78075001| 78080000 | 0.000513784  |
| chr9| 78309001| 78314000 | 0.001150472  |
| chr9| 78310001| 78315000 | 0.000737555  |
| chr9| 78312001| 78317000 | 4.69E-12  |
| chr9| 78945001| 78950000 | 7.04E-12  |
| chr9| 78947001| 78952000 | 4.78E-14  |
| chr9| 78948001| 78953000 | 1.62E-07  |
| chr9| 7929001| 79300000 | 6.80E-05  |
| chr9| 79442001| 79447000 | 7.78E-06  |
| chr9| 79443001| 79448000 | 4.26E-05  |
| chr9| 79487001| 79492000 | 2.35E-08  |
| chr9| 79490001| 79495000 | 6.44E-08  |
| chr9| 79780001| 79783000 | 5.57E-09  |
| chr9| 80450001| 80458000 | 3.19E-08  |
| Chr | Start | End   | p-value |
|-----|-------|-------|---------|
| chr9 | 80719001 | 80724000 | 7.98E-05 |
| chr9 | 81140001 | 81145000 | 1.46E-06 |
| chr9 | 81209001 | 81214000 | 3.61E-08 |
| chr9 | 81210001 | 81215000 | 5.80E-08 |
| chr9 | 81247001 | 81252000 | 1.39E-07 |
| chr9 | 81248001 | 81253000 | 1.37E-07 |
| chr9 | 81249001 | 81254000 | 4.87E-08 |
| chr9 | 81326001 | 81331000 | 2.73E-05 |
| chr9 | 81332001 | 81337000 | 1.67E-07 |
| chr9 | 81382001 | 81387000 | 3.16E-14 |
| chr9 | 81383001 | 81388000 | 8.83E-12 |
| chr9 | 81402001 | 81407000 | 0.000325666 |
| chr9 | 81403001 | 81408000 | 4.71E-05 |
| chr9 | 81449001 | 81454000 | 0.00035436 |
| chr9 | 81450001 | 81455000 | 0.000370652 |
| chr9 | 81451001 | 81456000 | 0.000205949 |
| chr9 | 81452001 | 81457000 | 0.000343648 |
| chr9 | 81475001 | 81480000 | 0.000858851 |
| chr9 | 81481001 | 81486000 | 6.35E-05 |
| chr9 | 81482001 | 81487000 | 4.87E-05 |
| chr9 | 81493001 | 81498000 | 1.21E-07 |
| chr9 | 81535001 | 81540000 | 0.000507557 |
| chr9 | 81537001 | 81542000 | 3.92E-07 |
| chr9 | 81538001 | 81543000 | 8.61E-07 |
| chr9 | 81539001 | 81544000 | 1.64E-07 |
| chr9 | 81554001 | 81559000 | 1.22E-05 |
| chr9 | 81555001 | 81560000 | 1.03E-05 |
| chr9 | 81556001 | 81561000 | 0.001145593 |
| chr9 | 81580001 | 81585000 | 0.000239897 |
| chr9 | 81635001 | 81640000 | 6.12E-05 |
| chr9 | 81636001 | 81641000 | 0.000238017 |
| chr9 | 81653001 | 81658000 | 3.12E-06 |
| chr9 | 81654001 | 81659000 | 0.00152056 |
| chr9 | 81725001 | 81730000 | 4.40E-10 |
| chr9 | 81726001 | 81731000 | 7.50E-12 |
| chr9 | 81744001 | 81749000 | 4.32E-08 |
| chr9 | 81745001 | 81750000 | 8.64E-06 |
| chr9 | 81746001 | 81751000 | 1.79E-06 |
| chr9 | 81783001 | 81788000 | 0.002487813 |
| chr9 | 81835001 | 81840000 | 9.23E-06 |
| chr9 | 81839001 | 81844000 | 1.77E-06 |
| chr9 | 81917001 | 81922000 | 5.31E-08 |
| chr9 | 81918001 | 81923000 | 4.05E-09 |
| chr9 | 81989001 | 81994000 | 0.002740048 |
| chr9 | 81991001 | 81996000 | 0.001717153 |
| chr9 | 82001001 | 82006000 | 0.000257589 |
| chr9 | 82002001 | 82007000 | 3.20E-12 |
| chr9 | 82297001 | 82302000 | 2.32E-07 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr9       | 82423001       | 82428000     | 0.000711354 |
| chr9       | 82562001       | 82567000     | 0.001197512 |
| chr9       | 82772001       | 82777000     | 0.003399683 |
| chr9       | 82785001       | 82790000     | 0.000169051 |
| chr9       | 83159001       | 83164000     | 0.009456209 |
| chr9       | 83558001       | 83563000     | 0.000431864 |
| chr9       | 83656001       | 83661000     | 0.000479117 |
| chr9       | 83738001       | 83743000     | 0.00296966 |
| chr9       | 83952001       | 83957000     | 7.00E-08 |
| chr9       | 84168001       | 84173000     | 5.16E-06 |
| chr9       | 84280001       | 84433000     | 0.001314476 |
| chr9       | 84641001       | 84646000     | 0.017369391 |
| chr9       | 84642001       | 84647000     | 0.000839098 |
| chr9       | 84643001       | 84648000     | 1.92E-09 |
| chr9       | 84644001       | 84649000     | 1.09E-08 |
| chr9       | 84645001       | 84650000     | 9.97E-07 |
| chr9       | 84646001       | 84651000     | 8.67E-07 |
| chr9       | 84781001       | 84786000     | 0.000222523 |
| chr9       | 84826001       | 84831000     | 7.01E-08 |
| chr9       | 84867001       | 84872000     | 0.00610338 |
| chr9       | 84970001       | 84975000     | 0.000490606 |
| chr9       | 84971001       | 84976000     | 9.37E-05 |
| chr9       | 84972001       | 84977000     | 0.00140261 |
| chr9       | 84973001       | 84978000     | 0.000524605 |
| chr9       | 85006001       | 85011000     | 0.000605334 |
| chr9       | 85009001       | 85014000     | 0.009130318 |
| chr9       | 85010001       | 85015000     | 0.009519139 |
| chr9       | 85029001       | 85034000     | 0.000141282 |
| chr9       | 85124001       | 85129000     | 1.93E-05 |
| chr9       | 85126001       | 85131000     | 1.41E-05 |
| chr9       | 85158001       | 85163000     | 8.61E-07 |
| chr9       | 85159001       | 85164000     | 2.15E-08 |
| chr9       | 85232001       | 85237000     | 4.46E-05 |
| chr9       | 85233001       | 85238000     | 0.000207407 |
| chr9       | 85241001       | 85246000     | 0.000889805 |
| chr9       | 85242001       | 85247000     | 0.000128396 |
| chr9       | 85243001       | 85248000     | 0.000142669 |
| chr9       | 85244001       | 85249000     | 0.000462664 |
| chr9       | 85285001       | 85290000     | 1.03E-06 |
| chr9       | 85456001       | 85461000     | 6.34E-06 |
| chr9       | 88867001       | 88872000     | 1.69E-05 |
| chr9       | 88868001       | 88873000     | 8.81E-08 |
| chr9       | 89548001       | 89553000     | 5.14E-05 |
| chr9       | 90054001       | 90059000     | 7.42E-05 |
| chr9       | 90055001       | 90060000     | 7.99E-06 |
| chr9       | 90069001       | 90074000     | 0.001568309 |
| chr9       | 90071001       | 90076000     | 1.54E-05 |
| Chromosome | Position Start | Position End | P-value |
|------------|----------------|--------------|---------|
| chr9       | 90224001       | 90229000     | 4.55E-09|
| chr9       | 90569001       | 90574000     | 1.65E-08|
| chr9       | 90570001       | 90575000     | 3.17E-08|
| chr9       | 92092001       | 92097000     | 6.44E-08|
| chr9       | 92927001       | 92932000     | 1.29E-06|
| chr9       | 92928001       | 92933000     | 1.33E-07|
| chr9       | 93355001       | 93360000     | 0.000438217|
| chr9       | 94482001       | 94487000     | 1.06E-11|
| chr9       | 94483001       | 94488000     | 4.45E-13|
| chr9       | 95104001       | 95109000     | 4.89E-05|
| chr9       | 95673001       | 95678000     | 4.36E-17|
| chr9       | 95674001       | 95679000     | 1.35E-11|
| chr9       | 95715001       | 95720000     | 1.03E-12|
| chr9       | 95716001       | 95721000     | 4.97E-14|
| chr9       | 95731001       | 95736000     | 6.33E-11|
| chr9       | 95864001       | 95869000     | 7.50E-05|
| chr9       | 96361001       | 96366000     | 4.91E-05|
| chr9       | 96466001       | 96471000     | 4.01E-08|
| chr9       | 96467001       | 96472000     | 7.29E-08|
| chr9       | 96930001       | 96935000     | 2.12E-07|
| chr9       | 96931001       | 96936000     | 5.00E-09|
| chr9       | 97465001       | 97470000     | 4.16E-09|
| chr9       | 97466001       | 97471000     | 5.13E-08|
| chr9       | 97812001       | 97817000     | 0.000390558|
| chr9       | 99631001       | 99636000     | 7.68E-06|
| chr9       | 99640001       | 99645000     | 2.67E-10|
| chr9       | 100315001      | 100320000    | 1.81E-09|
| chr9       | 100316001      | 100321000    | 4.07E-14|
| chr9       | 100317001      | 100322000    | 3.18E-12|
| chr9       | 100650001      | 100655000    | 1.99E-06|
| chr9       | 100834001      | 100839000    | 4.30E-09|
| chr9       | 100981001      | 100986000    | 0.00037381|
| chr9       | 102287001      | 102292000    | 0.002792728|
| chr9       | 102321001      | 102326000    | 1.91E-05|
| chr9       | 102627001      | 102632000    | 0.000238525|
| chr9       | 103774001      | 103779000    | 0.009130318|
| chr9       | 103890001      | 103895000    | 6.77E-06|
| chr9       | 104425001      | 104430000    | 0.002641673|
| chr9       | 104477001      | 104482000    | 1.63E-07|
| chr9       | 104479001      | 104484000    | 8.88E-07|
| chr9       | 104526001      | 104531000    | 0.003537221|
| chr9       | 104574001      | 104579000    | 0.003154311|
| chr9       | 104583001      | 104588000    | 4.95E-06|
| chr9       | 104768001      | 104773000    | 0.002143726|
| chr9       | 104769001      | 104774000    | 0.002670592|
| chr9       | 104845001      | 104850000    | 4.10E-11|
| chr9       | 104846001      | 104851000    | 1.34E-11|
| chr9       | 104847001      | 104852000    | 6.62E-12|
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr9       | 104848001      | 104853000    | 2.87E-08|
| chr9       | 104849001      | 104854000    | 0.006166972|
| chr9       | 105236001      | 105241000    | 6.63E-07|
| chr9       | 105237001      | 105242000    | 1.06E-06|
| chr9       | 105238001      | 105243000    | 4.00E-06|
| chr9       | 105298001      | 105303000    | 2.88E-05|
| chr9       | 105299001      | 105304000    | 9.71E-06|
| chr9       | 105760001      | 105765000    | 0.00137358|
| chr9       | 105767001      | 105768000    | 4.52E-21|
| chr9       | 106181001      | 106186000    | 4.61E-06|
| chr9       | 106182001      | 106187000    | 1.62E-05|
| chr9       | 106701001      | 106706000    | 0.00992931|
| chr9       | 106707001      | 106712000    | 0.002318887|
| chr9       | 106708001      | 106713000    | 0.00264199|
| chr9       | 106709001      | 106714000    | 0.01070465|
| chr9       | 106757001      | 106762000    | 4.52E-11|
| chr9       | 106849001      | 106854000    | 6.45E-08|
| chr9       | 107002001      | 107007000    | 9.40E-06|
| chr9       | 107004001      | 107009000    | 2.18E-05|
| chr9       | 107005001      | 107010000    | 0.01030488|
| chr9       | 107090001      | 107095000    | 1.56E-12|
| chr9       | 107091001      | 107096000    | 1.08E-11|
| chr9       | 107950001      | 107955000    | 2.80E-15|
| chr9       | 107951001      | 107956000    | 1.07E-13|
| chr9       | 109158001      | 109163000    | 0.00237941|
| chr9       | 109212001      | 109217000    | 1.20E-06|
| chr9       | 109213001      | 109218000    | 7.81E-06|
| chr9       | 109394001      | 109399000    | 0.01932377|
| chr9       | 109677001      | 109682000    | 3.68E-09|
| chr9       | 109846001      | 109851000    | 0.000499332|
| chr9       | 110047001      | 110052000    | 6.03E-11|
| chr9       | 111202001      | 111207000    | 0.00509168|
| chr9       | 111904001      | 111909000    | 7.92E-09|
| chr9       | 112566001      | 112571000    | 9.31E-05|
| chr9       | 112567001      | 112572000    | 3.46E-07|
| chr9       | 112568001      | 112573000    | 7.55E-05|
| chr9       | 113382001      | 113387000    | 0.000532772|
| chr9       | 114111001      | 114116000    | 0.000751119|
| chr9       | 114675001      | 114680000    | 2.55E-10|
| chr9       | 114676001      | 114681000    | 9.46E-11|
| chr9       | 114677001      | 114682000    | 1.85E-09|
| chr9       | 115121001      | 115126000    | 7.20E-09|
| chr9       | 115301001      | 115306000    | 8.99E-07|
| chr9       | 115302001      | 115307000    | 8.77E-07|
| chr9       | 115303001      | 115308000    | 9.89E-07|
| chr9       | 115482001      | 115487000    | 0.004186062|
| chr9       | 116143001      | 116148000    | 7.74E-07|
| chr9       | 117646001      | 117651000    | 0.000255579|
| chr9       | 118009001      | 118014000    | 0.003487991|
| Chromosome | Start Position  | End Position  | p-value        |
|------------|-----------------|---------------|----------------|
| chr9       | 118010001       | 118015000     | 0.00367058     |
| chr9       | 118738001       | 118743000     | 0.000722843    |
| chr9       | 118739001       | 118744000     | 0.000175746    |
| chr9       | 118850001       | 118855000     | 0.002833171    |
| chr9       | 118851001       | 118856000     | 0.00248329     |
| chr9       | 119634001       | 119639000     | 2.94E-07       |
| chr9       | 119635001       | 119640000     | 0.001263713    |
| chr9       | 119734001       | 119739000     | 6.38E-07       |
| chr9       | 119735001       | 119740000     | 8.18E-07       |
| chr9       | 119736001       | 119741000     | 5.53E-06       |
| chr9       | 119737001       | 119742000     | 1.54E-05       |
| chr9       | 120167001       | 120172000     | 2.64E-09       |
| chr9       | 120168001       | 120173000     | 1.79E-11       |
| chr9       | 120169001       | 120174000     | 3.39E-07       |
| chr9       | 120624001       | 120629000     | 0.000763986    |
| chr9       | 120671001       | 120676000     | 1.18E-05       |
| chr9       | 120673001       | 120678000     | 0.000483195    |
| chr9       | 120703001       | 120708000     | 0.003045962    |
| chr9       | 120858001       | 120863000     | 3.45E-08       |
| chr9       | 120922001       | 120927000     | 0.000816526    |
| chr9       | 120923001       | 120928000     | 0.002447683    |
| chr9       | 120948001       | 120953000     | 0.008236391    |
| chr9       | 121072001       | 121077000     | 0.002357272    |
| chr9       | 121073001       | 121078000     | 0.000871542    |
| chr9       | 121138001       | 121143000     | 2.35E-05       |
| chr9       | 121139001       | 121144000     | 3.23E-07       |
| chr9       | 121140001       | 121145000     | 0.00133053     |
| chr9       | 121192001       | 121197000     | 0.000971504    |
| chr9       | 121210001       | 121215000     | 3.86E-06       |
| chr9       | 121212001       | 121217000     | 2.60E-05       |
| chr9       | 121296001       | 121301000     | 1.20E-06       |
| chr9       | 121297001       | 121302000     | 1.70E-06       |
| chr9       | 121298001       | 121303000     | 5.16E-06       |
| chr9       | 121299001       | 121304000     | 0.000355865    |
| chr9       | 121302001       | 121307000     | 5.00E-05       |
| chr9       | 121351001       | 121356000     | 3.76E-05       |
| chr9       | 121352001       | 121357000     | 5.86E-09       |
| chr9       | 121353001       | 121358000     | 8.14E-09       |
| chr9       | 121394001       | 121399000     | 0.000191434    |
| chr9       | 121395001       | 121400000     | 6.15E-05       |
| chr9       | 121407001       | 121412000     | 3.02E-05       |
| chr9       | 121418001       | 121423000     | 3.90E-05       |
| chr9       | 121424001       | 121429000     | 6.80E-06       |
| chr9       | 121430001       | 121435000     | 8.34E-09       |
| chr9       | 121444001       | 121449000     | 5.91E-07       |
| chr9       | 121456001       | 121461000     | 0.000319387    |
| chr9       | 121459001       | 121464000     | 0.003524029    |
| chr9       | 121472001       | 121477000     | 0.000809316    |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr9       | 121485001 | 121490000 | 1.05E-05 |
| chr9       | 121497001 | 121502000 | 0.028040812 |
| chr9       | 121498001 | 121503000 | 5.23E-05 |
| chr9       | 121499001 | 121504000 | 0.00059096 |
| chr9       | 121548001 | 121553000 | 4.47E-07 |
| chr9       | 121549001 | 121554000 | 4.23E-07 |
| chr9       | 121818001 | 121823000 | 0.000729509 |
| chr9       | 121982001 | 121987000 | 2.14E-05 |
| chr9       | 122027001 | 122032000 | 5.01E-08 |
| chr9       | 122030001 | 122035000 | 1.06E-11 |
| chr9       | 122031001 | 122036000 | 3.15E-06 |
| chr9       | 122032001 | 122037000 | 1.12E-06 |
| chr9       | 122185001 | 122190000 | 0.004217452 |
| chr9       | 122210001 | 122215000 | 1.08E-06 |
| chr9       | 122211001 | 122216000 | 1.23E-06 |
| chr9       | 122212001 | 122217000 | 0.000131874 |
| chr9       | 122213001 | 122218000 | 0.000606711 |
| chr9       | 122260001 | 122265000 | 0.000902879 |
| chr9       | 122287001 | 122292000 | 0.000249174 |
| chr9       | 122417001 | 122422000 | 4.95E-09 |
| chr9       | 122418001 | 122423000 | 2.81E-11 |
| chr9       | 122419001 | 122424000 | 2.29E-09 |
| chr9       | 123382001 | 123387000 | 1.29E-09 |
| chr9       | 123482001 | 123487000 | 7.09E-06 |
| chr9       | 123484001 | 123489000 | 3.16E-05 |
| chr9       | 123508001 | 123513000 | 4.17E-09 |
| chr9       | 123509001 | 123514000 | 2.08E-08 |
| chr9       | 123957001 | 123962000 | 0.000111836 |
| chr9       | 123958001 | 123963000 | 0.00032739 |
| chr9       | 128188001 | 128193000 | 4.03E-16 |
| chr9       | 128189001 | 128194000 | 2.04E-16 |
| chr9       | 128384001 | 128389000 | 5.52E-07 |
| chr9       | 128386001 | 128391000 | 0.000114983 |
| chr9       | 128704001 | 128709000 | 0.000699587 |
| chr9       | 128707001 | 128712000 | 0.003167181 |
| chr9       | 128727001 | 128732000 | 1.85E-17 |
| chr9       | 128729001 | 128734000 | 3.84E-11 |
| chr9       | 129720001 | 129725000 | 2.27E-10 |
| chr9       | 130409001 | 130414000 | 7.81E-12 |
| chr9       | 130410001 | 130415000 | 2.90E-11 |
| chr9       | 130420001 | 130425000 | 2.68E-14 |
| chr9       | 130421001 | 130426000 | 2.76E-18 |
| chr9       | 130422001 | 130427000 | 1.72E-18 |
| chr9       | 130423001 | 130428000 | 6.14E-20 |
| chr9       | 130622001 | 130627000 | 4.70E-16 |
| chr9       | 130664001 | 130669000 | 1.49E-11 |
| chr9       | 130665001 | 130670000 | 8.44E-11 |
| chr9       | 130666001 | 130671000 | 1.79E-10 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr9       | 130667001      | 130672000    | 1.27E-10|
| chr9       | 130837001      | 130842000    | 6.07E-05|
| chr9       | 130838001      | 130843000    | 0.000119532|
| chr9       | 130839001      | 130844000    | 2.72E-06|
| chr9       | 130840001      | 130845000    | 1.16E-06|
| chr9       | 131648001      | 131653000    | 4.84E-11|
| chr9       | 131649001      | 131654000    | 1.07E-12|
| chr9       | 131650001      | 131655000    | 1.84E-11|
| chr9       | 131946001      | 131951000    | 2.36E-11|
| chr9       | 131947001      | 131952000    | 6.69E-14|
| chr9       | 131948001      | 131953000    | 1.33E-12|
| chr9       | 132080001      | 132085000    | 1.18E-09|
| chr9       | 132111001      | 132116000    | 8.85E-08|
| chr9       | 132469001      | 132474000    | 6.14E-05|
| chr9       | 132627001      | 132632000    | 9.61E-08|
| chr9       | 133431001      | 133436000    | 6.01E-06|
| chr9       | 133432001      | 133437000    | 1.16E-06|
| chr9       | 133433001      | 133438000    | 1.04E-07|
| chr9       | 133821001      | 133826000    | 1.26E-12|
| chr9       | 133822001      | 133827000    | 6.64E-12|
| chr9       | 134130001      | 134135000    | 1.02E-07|
| chr9       | 134273001      | 134278000    | 4.66E-10|
| chr9       | 134550001      | 134555000    | 6.24E-14|
| chr9       | 136195001      | 136200000    | 6.10E-12|
| chr9       | 136198001      | 136203000    | 5.77E-06|
| chr9       | 136261001      | 136266000    | 5.21E-06|
| chr9       | 136357001      | 136362000    | 9.34E-06|
| chr9       | 137092001      | 137097000    | 4.56E-09|
| chr9       | 137479001      | 137484000    | 0.000173011|
| chr9       | 137545001      | 137550000    | 7.43E-06|
| chr9       | 137546001      | 137551000    | 6.17E-07|
| chr9       | 137547001      | 137552000    | 1.58E-06|
| chr9       | 138018001      | 138023000    | 2.80E-12|
| chr9       | 138353001      | 138358000    | 2.52E-07|
| chr9       | 138793001      | 138798000    | 2.00E-14|
| chr9       | 138894001      | 138899000    | 0.000110696|
| chr9       | 139091001      | 139096000    | 5.17E-13|
| chr9       | 139092001      | 139097000    | 2.77E-09|
| chr9       | 139093001      | 139098000    | 9.57E-11|
| chr9       | 139094001      | 139099000    | 1.10E-11|
| chr9       | 139272001      | 139277000    | 4.04E-05|
| chr9       | 139273001      | 139278000    | 2.03E-05|
| chr9       | 139792001      | 139797000    | 3.03E-08|
| chr9       | 139988001      | 139993000    | 6.21E-11|
| chr9       | 140198001      | 140203000    | 6.68E-15|
| chr9       | 140283001      | 140288000    | 2.94E-15|
| chr9       | 140284001      | 140289000    | 3.42E-14|
| chr9       | 140505001      | 140510000    | 4.13E-11|
| Chr | Start | End   | Value  |
|-----|-------|-------|--------|
| chr10 | 825001 | 830000 | 3.28E-10 |
| chr10 | 1016001 | 1021000 | 1.39E-18 |
| chr10 | 1939001 | 1944000 | 2.22E-10 |
| chr10 | 2021001 | 2026000 | 1.08E-06 |
| chr10 | 2126001 | 2131000 | 1.31E-07 |
| chr10 | 2179001 | 2184000 | 6.04E-07 |
| chr10 | 2236001 | 2241000 | 8.12E-05 |
| chr10 | 2243001 | 2248000 | 0.000868735 |
| chr10 | 2244001 | 2249000 | 0.009301877 |
| chr10 | 2273001 | 2278000 | 0.000306806 |
| chr10 | 2274001 | 2279000 | 9.80E-06 |
| chr10 | 2275001 | 2280000 | 5.54E-05 |
| chr10 | 2319001 | 2324000 | 1.46E-07 |
| chr10 | 2322001 | 2327000 | 3.00E-09 |
| chr10 | 2378001 | 2383000 | 2.87E-10 |
| chr10 | 2379001 | 2384000 | 2.03E-10 |
| chr10 | 2390001 | 2395000 | 4.91E-07 |
| chr10 | 2391001 | 2396000 | 2.86E-06 |
| chr10 | 23702001 | 2707000 | 0.000627734 |
| chr10 | 2724001 | 2729000 | 1.21E-09 |
| chr10 | 2726001 | 2731000 | 1.19E-08 |
| chr10 | 2727001 | 2732000 | 2.90E-12 |
| chr10 | 2746001 | 2751000 | 0.00078507 |
| chr10 | 2849001 | 2854000 | 1.59E-09 |
| chr10 | 3238001 | 3243000 | 2.49E-12 |
| chr10 | 3239001 | 3244000 | 4.89E-13 |
| chr10 | 3327001 | 3332000 | 4.52E-10 |
| chr10 | 3510001 | 3515000 | 5.36E-14 |
| chr10 | 3541001 | 3546000 | 3.70E-08 |
| chr10 | 3542001 | 3547000 | 4.75E-07 |
| chr10 | 3914001 | 3919000 | 3.93E-10 |
| chr10 | 3975001 | 3980000 | 2.01E-11 |
| chr10 | 3976001 | 3981000 | 4.21E-13 |
| chr10 | 3977001 | 3982000 | 3.43E-12 |
| chr10 | 4189001 | 4194000 | 9.31E-18 |
| chr10 | 4985001 | 4990000 | 1.23E-05 |
| chr10 | 4986001 | 4991000 | 0.001530916 |
| chr10 | 4987001 | 4992000 | 1.59E-05 |
| chr10 | 5117001 | 5122000 | 8.30E-05 |
| chr10 | 5310001 | 5315000 | 0.000439092 |
| chr10 | 5656001 | 5661000 | 2.41E-08 |
| chr10 | 5657001 | 5662000 | 5.82E-10 |
| chr10 | 5658001 | 5663000 | 2.78E-05 |
| chr10 | 5659001 | 5664000 | 3.35E-06 |
| chr10 | 5694001 | 5699000 | 3.41E-15 |
| chr10 | 5695001 | 5700000 | 7.37E-15 |
| chr10 | 5905001 | 5910000 | 1.12E-08 |
| chr10 | 6136001 | 6141000 | 1.33E-06 |
| chr  | start | end   | p-value       |
|------|-------|-------|---------------|
| chr10| 6236001 | 6241000 | 2.40E-05      |
| chr10| 6296001 | 6301000 | 5.48E-06      |
| chr10| 6297001 | 6302000 | 3.74E-06      |
| chr10| 6357001 | 6362000 | 8.36E-06      |
| chr10| 6457001 | 6462000 | 0.000549854   |
| chr10| 6458001 | 6463000 | 0.000231205   |
| chr10| 6660001 | 6665000 | 2.52E-07      |
| chr10| 6661001 | 6666000 | 9.46E-08      |
| chr10| 6662001 | 6667000 | 1.88E-07      |
| chr10| 6663001 | 6668000 | 4.09E-07      |
| chr10| 6664001 | 6669000 | 2.07E-08      |
| chr10| 6665001 | 6670000 | 3.45E-10      |
| chr10| 6666001 | 6671000 | 4.28E-09      |
| chr10| 6667001 | 6672000 | 2.16E-09      |
| chr10| 6668001 | 6673000 | 1.17E-09      |
| chr10| 6711001 | 6716000 | 0.000227222   |
| chr10| 6724001 | 6729000 | 0.00019985    |
| chr10| 6749001 | 6754000 | 1.26E-08      |
| chr10| 6750001 | 6755000 | 2.98E-10      |
| chr10| 6751001 | 6756000 | 9.70E-12      |
| chr10| 6752001 | 6757000 | 2.99E-08      |
| chr10| 6794001 | 6799000 | 2.22E-08      |
| chr10| 6795001 | 6800000 | 2.06E-08      |
| chr10| 6796001 | 6801000 | 8.28E-11      |
| chr10| 6797001 | 6802000 | 2.47E-07      |
| chr10| 6798001 | 6803000 | 2.00E-06      |
| chr10| 6807001 | 6812000 | 1.54E-11      |
| chr10| 6808001 | 6813000 | 4.19E-11      |
| chr10| 6811001 | 6816000 | 3.38E-07      |
| chr10| 6854001 | 6859000 | 1.62E-06      |
| chr10| 6855001 | 6860000 | 5.87E-07      |
| chr10| 6897001 | 6902000 | 5.05E-06      |
| chr10| 6964001 | 6969000 | 1.72E-07      |
| chr10| 7011001 | 7016000 | 2.96E-06      |
| chr10| 7052001 | 7057000 | 0.002153269   |
| chr10| 7053001 | 7058000 | 0.000171263   |
| chr10| 7074001 | 7079000 | 0.000134446   |
| chr10| 7679001 | 7684000 | 3.81E-07      |
| chr10| 7685001 | 7690000 | 4.10E-05      |
| chr10| 7686001 | 7691000 | 0.000777706   |
| chr10| 7687001 | 7692000 | 0.000664193   |
| chr10| 7688001 | 7693000 | 0.00018529    |
| chr10| 7782001 | 7787000 | 7.49E-08      |
| chr10| 8068001 | 8073000 | 1.25E-07      |
| chr10| 8168001 | 8173000 | 9.17E-06      |
| chr10| 8169001 | 8174000 | 2.95E-08      |
| chr10| 8170001 | 8175000 | 1.05E-08      |
| chr10| 8171001 | 8176000 | 6.15E-11      |
| Chromosome | Start | End   | Value       |
|-----------|-------|-------|-------------|
| chr10     | 8210001 | 8215000 | 7.09E-06    |
| chr10     | 8284001 | 8289000 | 5.75E-09    |
| chr10     | 8285001 | 8290000 | 6.53E-08    |
| chr10     | 8286001 | 8291000 | 4.49E-08    |
| chr10     | 8288001 | 8293000 | 4.84E-06    |
| chr10     | 8289001 | 8294000 | 1.33E-06    |
| chr10     | 8290001 | 8295000 | 1.43E-05    |
| chr10     | 8291001 | 8296000 | 9.88E-06    |
| chr10     | 8313001 | 8318000 | 3.46E-05    |
| chr10     | 8314001 | 8319000 | 5.89E-06    |
| chr10     | 8315001 | 8320000 | 1.73E-05    |
| chr10     | 8332001 | 8337000 | 0.002151943 |
| chr10     | 8388001 | 8393000 | 1.59E-10    |
| chr10     | 8389001 | 8394000 | 1.51E-11    |
| chr10     | 8390001 | 8395000 | 1.27E-11    |
| chr10     | 8391001 | 8396000 | 1.22E-09    |
| chr10     | 8392001 | 8397000 | 2.24E-08    |
| chr10     | 8397001 | 8402000 | 5.72E-08    |
| chr10     | 8398001 | 8403000 | 2.86E-07    |
| chr10     | 8399001 | 8404000 | 5.55E-08    |
| chr10     | 8400001 | 8405000 | 1.02E-06    |
| chr10     | 8432001 | 8437000 | 0.000484612 |
| chr10     | 8433001 | 8438000 | 0.000350663 |
| chr10     | 8435001 | 8440000 | 0.003903414 |
| chr10     | 8446001 | 8451000 | 0.011402937 |
| chr10     | 8456001 | 8461000 | 3.59E-05    |
| chr10     | 8457001 | 8462000 | 1.23E-05    |
| chr10     | 8458001 | 8463000 | 1.64E-07    |
| chr10     | 8473001 | 8478000 | 7.91E-05    |
| chr10     | 8492001 | 8497000 | 1.07E-08    |
| chr10     | 8493001 | 8498000 | 1.86E-08    |
| chr10     | 8500001 | 8505000 | 1.71E-05    |
| chr10     | 8517001 | 8522000 | 6.17E-05    |
| chr10     | 8549001 | 8554000 | 1.21E-11    |
| chr10     | 8550001 | 8555000 | 2.66E-10    |
| chr10     | 8551001 | 8556000 | 6.67E-23    |
| chr10     | 8564001 | 8569000 | 1.69E-06    |
| chr10     | 8585001 | 8590000 | 0.001514818 |
| chr10     | 8613001 | 8618000 | 4.72E-06    |
| chr10     | 8614001 | 8619000 | 2.88E-05    |
| chr10     | 8615001 | 8620000 | 1.70E-06    |
| chr10     | 8621001 | 8626000 | 1.66E-05    |
| chr10     | 8654001 | 8659000 | 0.002859118 |
| chr10     | 8690001 | 8695000 | 0.000199333 |
| chr10     | 8691001 | 8696000 | 0.000799446 |
| chr10     | 8707001 | 8712000 | 0.00179314   |
| chr10     | 8742001 | 8747000 | 2.42E-08    |
| chr10     | 8745001 | 8750000 | 0.00084175   |
| Chromosome | Start | End   | Value       |
|------------|-------|-------|-------------|
| chr10      | 8751001 | 8756000 | 0.000301504 |
| chr10      | 8777001 | 8782000 | 6.24E-06    |
| chr10      | 8779001 | 8784000 | 5.44E-05    |
| chr10      | 8790001 | 8795000 | 4.75E-07    |
| chr10      | 8805001 | 8810000 | 0.000141771 |
| chr10      | 8879001 | 8884000 | 2.99E-06    |
| chr10      | 8885001 | 8890000 | 0.007593099 |
| chr10      | 8886001 | 8891000 | 0.000318724 |
| chr10      | 8879001 | 8892000 | 0.0021904   |
| chr10      | 8915001 | 8920000 | 0.00157994  |
| chr10      | 8916001 | 8921000 | 7.18E-05    |
| chr10      | 8917001 | 8922000 | 0.000812007 |
| chr10      | 8918001 | 8923000 | 0.025132385 |
| chr10      | 8943001 | 8948000 | 0.00698858  |
| chr10      | 9000001 | 9005000 | 0.000154549 |
| chr10      | 9005001 | 9010000 | 0.003806131 |
| chr10      | 9047001 | 9052000 | 5.18E-07    |
| chr10      | 9054001 | 9059000 | 0.00404499  |
| chr10      | 9057001 | 9062000 | 3.35E-05    |
| chr10      | 9058001 | 9063000 | 9.18E-06    |
| chr10      | 9059001 | 9064000 | 2.07E-05    |
| chr10      | 9061001 | 9066000 | 0.002222663 |
| chr10      | 9106001 | 9111000 | 1.35E-07    |
| chr10      | 9133001 | 9138000 | 1.08E-07    |
| chr10      | 9147001 | 9152000 | 0.000289276 |
| chr10      | 9162001 | 9167000 | 4.76E-06    |
| chr10      | 9163001 | 9168000 | 2.45E-06    |
| chr10      | 9171001 | 9176000 | 2.04E-08    |
| chr10      | 9219001 | 9224000 | 6.33E-06    |
| chr10      | 9220001 | 9225000 | 1.39E-08    |
| chr10      | 9261001 | 9266000 | 3.19E-05    |
| chr10      | 9342001 | 9347000 | 0.000109059 |
| chr10      | 9373001 | 9378000 | 5.72E-11    |
| chr10      | 9770001 | 9775000 | 2.38E-05    |
| chr10      | 9773001 | 9778000 | 1.10E-07    |
| chr10      | 9774001 | 9779000 | 5.84E-07    |
| chr10      | 10230001 | 10235000 | 0.002605297 |
| chr10      | 10231001 | 10236000 | 0.002427354 |
| chr10      | 10232001 | 10237000 | 0.004232976 |
| chr10      | 10864001 | 10869000 | 4.14E-12    |
| chr10      | 10865001 | 10870000 | 6.83E-12    |
| chr10      | 10923001 | 10928000 | 0.005454329 |
| chr10      | 10942001 | 10947000 | 2.26E-05    |
| chr10      | 11034001 | 11039000 | 0.001648933 |
| chr10      | 11417001 | 11422000 | 2.60E-05    |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr10      | 11418001 | 11423000 | 7.13E-06  |
| chr10      | 11572001 | 11577000 | 0.000189062 |
| chr10      | 11592001 | 11597000 | 0.000699029 |
| chr10      | 11594001 | 11599000 | 1.29E-09  |
| chr10      | 13021001 | 13026000 | 2.35E-08  |
| chr10      | 13134001 | 13139000 | 1.57E-07  |
| chr10      | 13850001 | 13855000 | 1.60E-12  |
| chr10      | 14051001 | 14056000 | 2.97E-06  |
| chr10      | 14055001 | 14060000 | 4.61E-09  |
| chr10      | 14650001 | 14655000 | 5.37E-07  |
| chr10      | 14700001 | 14705000 | 1.29E-08  |
| chr10      | 14853001 | 14858000 | 1.68E-07  |
| chr10      | 14864001 | 14869000 | 1.68E-10  |
| chr10      | 14865001 | 14870000 | 4.58E-10  |
| chr10      | 15241001 | 15256000 | 6.92E-09  |
| chr10      | 15249001 | 15340000 | 0.000348499 |
| chr10      | 15974001 | 15979000 | 0.000158148 |
| chr10      | 16241001 | 16246000 | 0.011889648 |
| chr10      | 16296001 | 16301000 | 7.00E-11  |
| chr10      | 16379001 | 16384000 | 9.95E-07  |
| chr10      | 16380001 | 16385000 | 1.94E-06  |
| chr10      | 16405001 | 16410000 | 9.19E-07  |
| chr10      | 16406001 | 16411000 | 3.66E-06  |
| chr10      | 16413001 | 16418000 | 0.004859673 |
| chr10      | 16940001 | 16945000 | 9.27E-05  |
| chr10      | 17064001 | 17069000 | 0.00024897 |
| chr10      | 17570001 | 17575000 | 3.54E-05  |
| chr10      | 17571001 | 17576000 | 7.50E-08  |
| chr10      | 17572001 | 17577000 | 2.57E-07  |
| chr10      | 17777001 | 17782000 | 2.74E-05  |
| chr10      | 18511001 | 18516000 | 1.67E-10  |
| chr10      | 18598001 | 18603000 | 8.87E-12  |
| chr10      | 18662001 | 18667000 | 0.000252264 |
| chr10      | 18663001 | 18668000 | 0.00089284 |
| chr10      | 18675001 | 18680000 | 7.90E-06  |
| chr10      | 18703001 | 18708000 | 4.28E-07  |
| chr10      | 18704001 | 18709000 | 5.16E-08  |
| chr10      | 18705001 | 18710000 | 9.88E-08  |
| chr10      | 18706001 | 18711000 | 2.17E-05  |
| chr10      | 18935001 | 18940000 | 0.000302766 |
| chr10      | 18949001 | 18954000 | 2.73E-11  |
| chr10      | 18977001 | 18982000 | 2.49E-09  |
| chr10      | 18978001 | 18983000 | 9.91E-09  |
| chr10      | 18992001 | 18997000 | 1.13E-08  |
| chr10      | 19025001 | 19030000 | 2.09E-06  |
| chr10      | 19318001 | 19323000 | 0.002509078 |
| chr10      | 19349001 | 19354000 | 4.03E-08  |
| chr10      | 19452001 | 19457000 | 7.71E-05  |
| Chromosome | Start Position | End Position | P-Value   |
|------------|----------------|--------------|-----------|
| chr10      | 19453001       | 19458000     | 2.51E-07  |
| chr10      | 19454001       | 19459000     | 9.57E-07  |
| chr10      | 19927001       | 19932000     | 0.000997437|
| chr10      | 19928001       | 19933000     | 0.000520502|
| chr10      | 20010001       | 20015000     | 0.001834766|
| chr10      | 20011001       | 20016000     | 0.001530989|
| chr10      | 20137001       | 20142000     | 0.001713499|
| chr10      | 20509001       | 20514000     | 0.000584061|
| chr10      | 20511001       | 20516000     | 2.21E-05  |
| chr10      | 20647001       | 20652000     | 0.000180088|
| chr10      | 20772001       | 20777000     | 0.005089451|
| chr10      | 20773001       | 20778000     | 0.000149459|
| chr10      | 20774001       | 20779000     | 0.000405132|
| chr10      | 20775001       | 20780000     | 0.000208731|
| chr10      | 20776001       | 20781000     | 0.003343613|
| chr10      | 20887001       | 20892000     | 0.002276949|
| chr10      | 20888001       | 20893000     | 0.002158638|
| chr10      | 21050001       | 21055000     | 0.001858454|
| chr10      | 21506001       | 21511000     | 7.25E-06  |
| chr10      | 21578001       | 21583000     | 9.51E-06  |
| chr10      | 21579001       | 21584000     | 3.39E-10  |
| chr10      | 21580001       | 21585000     | 2.71E-18  |
| chr10      | 21581001       | 21586000     | 2.00E-22  |
| chr10      | 21582001       | 21587000     | 1.58E-16  |
| chr10      | 21687001       | 21692000     | 6.02E-09  |
| chr10      | 21688001       | 21693000     | 6.87E-10  |
| chr10      | 22336001       | 22341000     | 0.000146702|
| chr10      | 22715001       | 22720000     | 1.07E-08  |
| chr10      | 22716001       | 22721000     | 2.57E-06  |
| chr10      | 23580001       | 23585000     | 0.003411647|
| chr10      | 23603001       | 23608000     | 1.87E-06  |
| chr10      | 24190001       | 24195000     | 0.001403641|
| chr10      | 24191001       | 24196000     | 0.001300245|
| chr10      | 24910001       | 24915000     | 5.45E-05  |
| chr10      | 25138001       | 25143000     | 1.82E-09  |
| chr10      | 25564001       | 25569000     | 0.000480506|
| chr10      | 25580001       | 25585000     | 4.37E-07  |
| chr10      | 25581001       | 25586000     | 2.80E-07  |
| chr10      | 25582001       | 25587000     | 8.97E-08  |
| chr10      | 25583001       | 25588000     | 1.12E-08  |
| chr10      | 25619001       | 25624000     | 3.26E-05  |
| chr10      | 25707001       | 25712000     | 2.48E-05  |
| chr10      | 25708001       | 25713000     | 6.20E-05  |
| chr10      | 25744001       | 25749000     | 0.001328439|
| chr10      | 25810001       | 25815000     | 1.04E-07  |
| chr10      | 25870001       | 25875000     | 1.32E-09  |
| chr10      | 26159001       | 26164000     | 6.64E-05  |
| chr10      | 26160001       | 26165000     | 8.96E-12  |
| Chr  | Start   | End     | Score  |
|------|---------|---------|--------|
| chr10| 26161001| 26166000| 1.88E-17   |
| chr10| 26162001| 26167000| 9.72E-12   |
| chr10| 26163001| 26168000| 5.11E-09   |
| chr10| 26164001| 26169000| 3.76E-09   |
| chr10| 26182001| 26187000| 1.22E-05   |
| chr10| 26185001| 26190000| 3.59E-07   |
| chr10| 26186001| 26191000| 3.55E-06   |
| chr10| 26357001| 26362000| 0.001019767|
| chr10| 26976001| 26981000| 0.000302526|
| chr10| 26977001| 26982000| 0.0005596594 |
| chr10| 26979001| 26984000| 0.001073128 |
| chr10| 27144001| 27149000| 0.002364653 |
| chr10| 27688001| 27693000| 0.000157955 |
| chr10| 27691001| 27696000| 0.000157955 |
| chr10| 27769001| 27774000| 0.000172054 |
| chr10| 28089001| 28094000| 0.000791559 |
| chr10| 28969001| 28974000| 0.000157955 |
| chr10| 29047001| 29052000| 0.001019767|
| chr10| 29115001| 29120000| 0.005102416 |
| chr10| 29123001| 29128000| 0.005102416 |
| chr10| 29124001| 29129000| 0.005102416 |
| chr10| 29471001| 29476000| 0.005102416 |
| chr10| 29472001| 29477000| 0.005102416 |
| chr10| 29544001| 29549000| 0.005102416 |
| chr10| 29545001| 29550000| 0.005102416 |
| chr10| 29592001| 29597000| 0.005102416 |
| chr10| 29638001| 29643000| 0.005102416 |
| chr10| 29639001| 29644000| 0.005102416 |
| chr10| 29921001| 29926000| 0.005102416 |
| chr10| 30114001| 30119000| 0.005102416 |
| chr10| 30825001| 30830000| 0.005102416 |
| chr10| 31295001| 31300000| 0.005102416 |
| chr10| 31909001| 31914000| 0.005102416 |
| chr10| 32170001| 32175000| 0.005102416 |
| chr10| 33464001| 33469000| 0.005102416 |
| chr10| 33490001| 33495000| 0.005102416 |
| chr10| 33602001| 33607000| 0.005102416 |
| chr10| 34927001| 34932000| 0.005102416 |
| chr10| 35512001| 35517000| 0.005102416 |
| chr10| 35513001| 35518000| 0.005102416 |
| chr10| 35952001| 35957000| 0.005102416 |
| chr10| 36339001| 36344000| 0.005102416 |
| chr10| 36474001| 36479000| 0.005102416 |
| chr10| 36475001| 36480000| 0.005102416 |
| chr10| 36476001| 36481000| 0.005102416 |
| chr10| 36984001| 36989000| 0.005102416 |
| chr10| 37005001| 37010000| 0.005102416 |
| chr10| 37006001| 37011000| 0.005102416 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr10      | 37030001       | 37035000     | 4.07E-07 |
| chr10      | 37369001       | 37374000     | 2.05E-11 |
| chr10      | 37370001       | 37375000     | 1.99E-10 |
| chr10      | 37371001       | 37376000     | 7.15E-10 |
| chr10      | 37383001       | 37388000     | 7.11E-05 |
| chr10      | 37738001       | 37743000     | 0.000212832 |
| chr10      | 37740001       | 37745000     | 3.91E-05 |
| chr10      | 37741001       | 37746000     | 5.41E-05 |
| chr10      | 37770001       | 37775000     | 4.21E-07 |
| chr10      | 37771001       | 37776000     | 2.64E-06 |
| chr10      | 38374001       | 38379000     | 0.00482523 |
| chr10      | 38378001       | 38383000     | 4.46E-10 |
| chr10      | 38711001       | 38716000     | 6.48E-05 |
| chr10      | 38889001       | 38894000     | 5.99E-14 |
| chr10      | 38890001       | 38895000     | 7.86E-18 |
| chr10      | 42592001       | 42597000     | 0       |
| chr10      | 42603001       | 42608000     | 5.63E-20 |
| chr10      | 42852001       | 42857000     | 9.26E-10 |
| chr10      | 43196001       | 43201000     | 9.16E-09 |
| chr10      | 43197001       | 43202000     | 4.69E-08 |
| chr10      | 43198001       | 43203000     | 0.0031299 |
| chr10      | 43228001       | 43233000     | 0.004984681 |
| chr10      | 43738001       | 43743000     | 4.50E-18 |
| chr10      | 44444001       | 44449000     | 0.006050163 |
| chr10      | 44682001       | 44687000     | 0.000287942 |
| chr10      | 45547001       | 45552000     | 0.00103061 |
| chr10      | 45548001       | 45553000     | 3.73E-05 |
| chr10      | 45549001       | 45554000     | 7.47E-05 |
| chr10      | 48525001       | 48530000     | 5.59E-06 |
| chr10      | 50389001       | 50394000     | 3.77E-10 |
| chr10      | 53139001       | 53144000     | 3.58E-05 |
| chr10      | 53140001       | 53145000     | 1.10E-05 |
| chr10      | 53141001       | 53146000     | 4.11E-06 |
| chr10      | 53427001       | 53432000     | 0.0011833547 |
| chr10      | 53428001       | 53433000     | 0.001783673 |
| chr10      | 53583001       | 53588000     | 0.000357749 |
| chr10      | 54020001       | 54025000     | 0.000225298 |
| chr10      | 54116001       | 54121000     | 0.00026878 |
| chr10      | 54137001       | 54142000     | 1.54E-08 |
| chr10      | 54265001       | 54270000     | 6.39E-05 |
| chr10      | 54276001       | 54281000     | 1.32E-06 |
| chr10      | 54277001       | 54282000     | 5.24E-06 |
| chr10      | 54403001       | 54408000     | 0.009755471 |
| chr10      | 54467001       | 54472000     | 0.003575388 |
| chr10      | 54559001       | 54564000     | 2.16E-05 |
| chr10      | 54570001       | 54575000     | 0.000155775 |
| chr10      | 54571001       | 54576000     | 6.93E-06 |
| chr10      | 54572001       | 54577000     | 7.10E-05 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr10      | 54573001       | 54578000     | 1.36E-05|
| chr10      | 54652001       | 54657000     | 0.000215203|
| chr10      | 54689001       | 54694000     | 7.79E-05|
| chr10      | 54690001       | 54695000     | 3.33E-05|
| chr10      | 54726001       | 54731000     | 0.000294856|
| chr10      | 54727001       | 54732000     | 0.00251701|
| chr10      | 54729001       | 54734000     | 0.000528669|
| chr10      | 54783001       | 54788000     | 0.000506258|
| chr10      | 54825001       | 54830000     | 2.28E-07|
| chr10      | 54826001       | 54831000     | 5.23E-07|
| chr10      | 55291001       | 55296000     | 1.47E-05|
| chr10      | 55292001       | 55297000     | 1.23E-07|
| chr10      | 55789001       | 55794000     | 0.004431128|
| chr10      | 55790001       | 55795000     | 0.005130975|
| chr10      | 55861001       | 55866000     | 0.000102652|
| chr10      | 55891001       | 55896000     | 0.000382617|
| chr10      | 56209001       | 56214000     | 0.006542585|
| chr10      | 56210001       | 56215000     | 0.001096438|
| chr10      | 56297001       | 56302000     | 9.44E-07|
| chr10      | 56326001       | 56331000     | 3.65E-05|
| chr10      | 56330001       | 56335000     | 1.17E-10|
| chr10      | 56477001       | 56482000     | 0.000215891|
| chr10      | 56478001       | 56483000     | 0.000286015|
| chr10      | 56493001       | 56498000     | 0.000417121|
| chr10      | 56547001       | 56552000     | 2.82E-05|
| chr10      | 56548001       | 56553000     | 2.00E-05|
| chr10      | 56549001       | 56554000     | 1.84E-05|
| chr10      | 56550001       | 56555000     | 1.30E-05|
| chr10      | 56551001       | 56556000     | 0.000671871|
| chr10      | 56663001       | 56668000     | 0.000122534|
| chr10      | 56952001       | 56957000     | 4.18E-06|
| chr10      | 56953001       | 56958000     | 2.22E-06|
| chr10      | 56954001       | 56959000     | 3.99E-11|
| chr10      | 56955001       | 56960000     | 1.64E-10|
| chr10      | 57031001       | 57036000     | 1.35E-06|
| chr10      | 57032001       | 57037000     | 5.28E-07|
| chr10      | 57075001       | 57080000     | 0.000228662|
| chr10      | 57076001       | 57081000     | 0.000118917|
| chr10      | 57077001       | 57082000     | 3.19E-05|
| chr10      | 57078001       | 57083000     | 0.000519314|
| chr10      | 57423001       | 57428000     | 3.96E-11|
| chr10      | 57424001       | 57429000     | 8.49E-14|
| chr10      | 57425001       | 57430000     | 1.17E-14|
| chr10      | 57426001       | 57431000     | 1.14E-14|
| chr10      | 57427001       | 57432000     | 5.42E-14|
| chr10      | 57428001       | 57433000     | 9.86E-07|
| chr10      | 58054001       | 58059000     | 0.000294077|
| chr10      | 58056001       | 58061000     | 3.32E-05|
| Chromosome | Start Position | End Position | P-Value       |
|------------|----------------|--------------|---------------|
| chr10      | 60304001       | 60309000     | 0.003978538   |
| chr10      | 60305001       | 60310000     | 0.000456038   |
| chr10      | 60314001       | 60319000     | 1.11E-06      |
| chr10      | 60315001       | 60320000     | 4.58E-06      |
| chr10      | 60316001       | 60321000     | 1.06E-05      |
| chr10      | 60318001       | 60323000     | 7.98E-07      |
| chr10      | 60330001       | 60335000     | 2.32E-07      |
| chr10      | 60331001       | 60336000     | 0.00179037    |
| chr10      | 60379001       | 60384000     | 1.68E-05      |
| chr10      | 60388001       | 60393000     | 5.95E-08      |
| chr10      | 60395001       | 60400000     | 0.000630266   |
| chr10      | 60396001       | 60401000     | 0.001325129   |
| chr10      | 60397001       | 60402000     | 1.49E-05      |
| chr10      | 60426001       | 60431000     | 0.000196641   |
| chr10      | 60427001       | 60432000     | 0.000453709   |
| chr10      | 60428001       | 60433000     | 7.72E-05      |
| chr10      | 60429001       | 60434000     | 1.19E-05      |
| chr10      | 60438001       | 60443000     | 6.62E-07      |
| chr10      | 60460001       | 60465000     | 1.24E-06      |
| chr10      | 60475001       | 60480000     | 6.48E-05      |
| chr10      | 60500001       | 60505000     | 5.20E-06      |
| chr10      | 60521001       | 60526000     | 0.000860648   |
| chr10      | 60539001       | 60544000     | 6.14E-05      |
| chr10      | 60540001       | 60545000     | 0.002553929   |
| chr10      | 60541001       | 60546000     | 0.002036166   |
| chr10      | 60593001       | 60598000     | 4.30E-11      |
| chr10      | 60594001       | 60599000     | 9.79E-11      |
| chr10      | 60652001       | 60657000     | 0.000208639   |
| chr10      | 60653001       | 60658000     | 7.19E-05      |
| chr10      | 60702001       | 60707000     | 0.000182887   |
| chr10      | 60729001       | 60734000     | 0.00018936    |
| chr10      | 60731001       | 60736000     | 0.002783817   |
| chr10      | 60742001       | 60747000     | 0.000179441   |
| chr10      | 60881001       | 60886000     | 0.000214208   |
| chr10      | 60884001       | 60889000     | 0.000189978   |
| chr10      | 60893001       | 60898000     | 6.29E-13      |
| chr10      | 61011001       | 61016000     | 0.000913046   |
| chr10      | 61012001       | 61017000     | 0.001262012   |
| chr10      | 61140001       | 61145000     | 7.90E-05      |
| chr10      | 61141001       | 61146000     | 0.00695668    |
| chr10      | 61194001       | 61199000     | 0.002514784   |
| chr10      | 61195001       | 61200000     | 0.0050125     |
| chr10      | 61240001       | 61245000     | 0.000221755   |
| chr10      | 61241001       | 61246000     | 8.12E-05      |
| chr10      | 61242001       | 61247000     | 7.71E-05      |
| chr10      | 61313001       | 61318000     | 9.08E-05      |
| chr10      | 61314001       | 61319000     | 0.000424965   |
| chr10      | 61320001       | 61325000     | 1.10E-05      |
| Chromosome | Start Position | End Position | P-Value  
|------------|----------------|--------------|---------|
| chr10      | 61923001       | 61928001     | 2.21E-05 |
| chr10      | 61940001       | 61945000     | 1.28E-10 |
| chr10      | 61941001       | 61946000     | 3.65E-07 |
| chr10      | 62194001       | 62199000     | 3.58E-06 |
| chr10      | 62586001       | 62591000     | 2.21E-05 |
| chr10      | 62723001       | 62728000     | 0.000114274 |
| chr10      | 63367001       | 63372000     | 2.91E-09 |
| chr10      | 63368001       | 63373000     | 3.01E-07 |
| chr10      | 63379001       | 63384000     | 0.000306105 |
| chr10      | 63458001       | 63463000     | 1.56E-05 |
| chr10      | 63551001       | 63556000     | 8.37E-06 |
| chr10      | 63594001       | 63599000     | 2.52E-09 |
| chr10      | 63595001       | 63600000     | 3.65E-12 |
| chr10      | 63664001       | 63669000     | 0.000215768 |
| chr10      | 63699001       | 63704000     | 8.08E-05 |
| chr10      | 63749001       | 63754000     | 4.59E-06 |
| chr10      | 63750001       | 63755000     | 2.54E-08 |
| chr10      | 63794001       | 63799000     | 3.99E-28 |
| chr10      | 63795001       | 63800000     | 8.52E-30 |
| chr10      | 64290001       | 64295000     | 0.0007457546 |
| chr10      | 64678001       | 64683000     | 5.13E-08 |
| chr10      | 64917001       | 64922000     | 0.000216123 |
| chr10      | 65026001       | 65031000     | 3.00E-23 |
| chr10      | 65027001       | 65032000     | 4.72E-16 |
| chr10      | 65028001       | 65033000     | 9.28E-12 |
| chr10      | 65029001       | 65034000     | 1.09E-10 |
| chr10      | 65562001       | 65567000     | 0.000236874 |
| chr10      | 65578001       | 65583000     | 5.31E-06 |
| chr10      | 65579001       | 65584000     | 4.60E-06 |
| chr10      | 65813001       | 65818000     | 0.00018187 |
| chr10      | 67548001       | 67553000     | 1.74E-07 |
| chr10      | 67685001       | 67690000     | 0.00044544 |
| chr10      | 67948001       | 67953000     | 0.014999379 |
| chr10      | 67955001       | 67960000     | 1.92E-06 |
| chr10      | 68283001       | 68288000     | 0.003161864 |
| chr10      | 68284001       | 68289000     | 0.00130602 |
| chr10      | 68425001       | 68430000     | 9.09E-05 |
| chr10      | 68426001       | 68431000     | 0.000203072 |
| chr10      | 68427001       | 68432000     | 7.58E-05 |
| chr10      | 68613001       | 68618000     | 0.001331616 |
| chr10      | 68708001       | 68713000     | 0.002637797 |
| chr10      | 68716001       | 68721000     | 0.001374916 |
| chr10      | 68798001       | 68803000     | 0.000262706 |
| chr10      | 68799001       | 68804000     | 0.001233144 |
| chr10      | 69283001       | 69288000     | 0.001159492 |
| chr10      | 69359001       | 69364000     | 0.000797132 |
| chr10      | 69387001       | 69392000     | 0.014768481 |
| chr10      | 69538001       | 69543000     | 0.002308194 |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| Chr10      | 69593001 | 69598000 | 0.0021049 |
| Chr10      | 69954001 | 69959000 | 5.97E-05  |
| Chr10      | 70627001 | 70632000 | 7.59E-10  |
| Chr10      | 70801001 | 70806000 | 5.81E-09  |
| Chr10      | 70844001 | 70849000 | 2.33E-12  |
| Chr10      | 70845001 | 70850000 | 2.57E-11  |
| Chr10      | 70847001 | 70852000 | 8.02E-08  |
| Chr10      | 70863001 | 70868000 | 1.31E-09  |
| Chr10      | 70981001 | 70986000 | 2.31E-14  |
| Chr10      | 70982001 | 70987000 | 3.24E-13  |
| Chr10      | 71169001 | 71174000 | 5.70E-07  |
| Chr10      | 71170001 | 71175000 | 3.53E-06  |
| Chr10      | 71282001 | 71287000 | 0.000309377 |
| Chr10      | 72028001 | 72033000 | 4.73E-11  |
| Chr10      | 72029001 | 72034000 | 1.89E-11  |
| Chr10      | 72032001 | 72037000 | 1.67E-10  |
| Chr10      | 72474001 | 72479000 | 5.93E-10  |
| Chr10      | 73005001 | 73010000 | 5.55E-08  |
| Chr10      | 73008001 | 73013000 | 1.14E-05  |
| Chr10      | 73011001 | 73016000 | 2.09E-11  |
| Chr10      | 73205001 | 73210000 | 5.86E-11  |
| Chr10      | 73273001 | 73278000 | 2.51E-06  |
| Chr10      | 73495001 | 73500000 | 6.39E-06  |
| Chr10      | 73548001 | 73553000 | 8.84E-10  |
| Chr10      | 73627001 | 73632000 | 6.33E-08  |
| Chr10      | 73628001 | 73633000 | 3.07E-10  |
| Chr10      | 73629001 | 73634000 | 4.65E-08  |
| Chr10      | 73814001 | 73819000 | 1.32E-08  |
| Chr10      | 73817001 | 73822000 | 2.31E-08  |
| Chr10      | 73818001 | 73823000 | 5.98E-10  |
| Chr10      | 74383001 | 74388000 | 9.90E-21  |
| Chr10      | 74384001 | 74389000 | 4.73E-28  |
| Chr10      | 74385001 | 74390000 | 6.62E-29  |
| Chr10      | 75333001 | 75338000 | 0.000723511 |
| Chr10      | 75334001 | 75339000 | 0.000174647 |
| Chr10      | 75515001 | 75520000 | 3.22E-07  |
| Chr10      | 75749001 | 75754000 | 8.75E-08  |
| Chr10      | 75750001 | 75755000 | 2.52E-10  |
| Chr10      | 76010001 | 76015000 | 5.89E-05  |
| Chr10      | 76011001 | 76016000 | 2.72E-08  |
| Chr10      | 76012001 | 76017000 | 1.89E-05  |
| Chr10      | 76484001 | 76489000 | 6.24E-05  |
| Chr10      | 76485001 | 76490000 | 0.00011986 |
| Chr10      | 76551001 | 76556000 | 8.78E-06  |
| Chr10      | 76552001 | 76557000 | 1.32E-21  |
| Chr10      | 76553001 | 76558000 | 1.42E-17  |
| Chr10      | 76554001 | 76559000 | 4.54E-13  |
| Chr  | Start      | End        | p-value   |
|------|------------|------------|-----------|
| chr10| 77529001   | 77534000   | 5.08E-09  |
| chr10| 77530001   | 77535000   | 2.98E-12  |
| chr10| 77531001   | 77536000   | 9.88E-15  |
| chr10| 77532001   | 77537000   | 1.90E-06  |
| chr10| 78310001   | 78315000   | 8.07E-07  |
| chr10| 78363001   | 78368000   | 6.39E-06  |
| chr10| 78521001   | 78526000   | 5.91E-05  |
| chr10| 78569001   | 78574000   | 5.62E-06  |
| chr10| 79507001   | 79512000   | 0.00081859|
| chr10| 79795001   | 79800000   | 1.07E-08  |
| chr10| 80644001   | 80649000   | 2.16E-06  |
| chr10| 81010001   | 81106000   | 0.002214908|
| chr10| 81387001   | 81392000   | 1.95E-06  |
| chr10| 81735001   | 81740000   | 0.036664948|
| chr10| 81736001   | 81741000   | 2.98E-05  |
| chr10| 81830001   | 81835000   | 0.002864847|
| chr10| 81827001   | 81832000   | 0.000965684|
| chr10| 81879001   | 81884000   | 0.000399639|
| chr10| 82091001   | 82096000   | 0.000409381|
| chr10| 82678001   | 82683000   | 2.39E-07  |
| chr10| 82920001   | 82925000   | 6.51E-06  |
| chr10| 82968001   | 82973000   | 0.000579716|
| chr10| 82969001   | 82974000   | 0.000551495|
| chr10| 82970001   | 82975000   | 0.00171182 |
| chr10| 83002001   | 83007000   | 0.001040749|
| chr10| 83037001   | 83042000   | 0.000308907|
| chr10| 83038001   | 83043000   | 0.000771382|
| chr10| 83077001   | 83082000   | 1.10E-06  |
| chr10| 83091001   | 83096000   | 0.006527831|
| chr10| 83092001   | 83097000   | 0.005034105|
| chr10| 83114001   | 83119000   | 8.01E-06  |
| chr10| 83115001   | 83120000   | 3.67E-06  |
| chr10| 83116001   | 83121000   | 1.46E-07  |
| chr10| 83638001   | 83643000   | 5.17E-05  |
| chr10| 83674001   | 83679000   | 0.004900835|
| chr10| 84091001   | 84096000   | 2.76E-06  |
| chr10| 84092001   | 84097000   | 3.63E-05  |
| chr10| 84267001   | 84272000   | 0.003763541|
| chr10| 84268001   | 84273000   | 0.000538854|
| chr10| 84296001   | 84301000   | 1.05E-05  |
| chr10| 84297001   | 84302000   | 0.000141983|
| chr10| 84353001   | 84358000   | 5.06E-05  |
| chr10| 84383001   | 84388000   | 0.0009614681|
| chr10| 84384001   | 84389000   | 0.00261984 |
| chr10| 84443001   | 84448000   | 0.000263651|
| chr10| 84444001   | 84449000   | 0.000205407|
| chr10| 84445001   | 84450000   | 6.97E-05  |
| chr10| 84446001   | 84451000   | 4.11E-06  |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr10      | 84447001       | 84452000     | 1.71E-06|
| chr10      | 84448001       | 84453000     | 6.28E-06|
| chr10      | 84452001       | 84457000     | 3.01E-06|
| chr10      | 84622001       | 84627000     | 0.000387874|
| chr10      | 84623001       | 84628000     | 0.000763896|
| chr10      | 84844001       | 84849000     | 0.002200184|
| chr10      | 84906001       | 84911000     | 0.002766703|
| chr10      | 84968001       | 84973000     | 0.000211467|
| chr10      | 84969001       | 84974000     | 0.000611217|
| chr10      | 84992001       | 84997000     | 0.005512465|
| chr10      | 84993001       | 84998000     | 0.005029071|
| chr10      | 85187001       | 85192000     | 6.17E-06|
| chr10      | 85428001       | 85433000     | 0.001113742|
| chr10      | 85450001       | 85455000     | 8.95E-05|
| chr10      | 85521001       | 85526000     | 0.003757953|
| chr10      | 85551001       | 85556000     | 5.60E-05|
| chr10      | 85564001       | 85569000     | 0.001817106|
| chr10      | 85565001       | 85570000     | 0.005440033|
| chr10      | 85566001       | 85571000     | 0.010383858|
| chr10      | 85577001       | 85582000     | 0.020934629|
| chr10      | 85578001       | 85583000     | 0.002997079|
| chr10      | 85650001       | 85655000     | 0.017630915|
| chr10      | 85708001       | 85713000     | 0.002788575|
| chr10      | 85774001       | 85779000     | 0.007279741|
| chr10      | 85840001       | 85845000     | 0.001564792|
| chr10      | 85928001       | 85933000     | 2.00E-09|
| chr10      | 85929001       | 85934000     | 4.26E-12|
| chr10      | 85930001       | 85935000     | 2.52E-09|
| chr10      | 86362001       | 86367000     | 5.50E-07|
| chr10      | 86363001       | 86368000     | 8.22E-09|
| chr10      | 86364001       | 86369000     | 1.16E-09|
| chr10      | 86365001       | 86370000     | 2.05E-09|
| chr10      | 86722001       | 86727000     | 4.28E-05|
| chr10      | 86993001       | 86998000     | 1.96E-10|
| chr10      | 86994001       | 86999000     | 5.73E-11|
| chr10      | 86995001       | 87000000     | 5.65E-10|
| chr10      | 87195001       | 87200000     | 0.001665184|
| chr10      | 87283001       | 87288000     | 0.001724929|
| chr10      | 87291001       | 87296000     | 7.95E-07|
| chr10      | 87292001       | 87297000     | 1.03E-05|
| chr10      | 87408001       | 87413000     | 7.87E-08|
| chr10      | 87510001       | 87515000     | 0.001610715|
| chr10      | 87517001       | 87522000     | 8.03E-05|
| chr10      | 87536001       | 87541000     | 2.65E-05|
| chr10      | 87587001       | 87592000     | 4.34E-05|
| chr10      | 87602001       | 87607000     | 0.002093043|
| chr10      | 87603001       | 87608000     | 0.006603036|
| chr10      | 87666001       | 87671000     | 0.000403872|
| Chromosome | Start | End   | Log10(Adjusted P-value) |
|------------|-------|-------|-------------------------|
| chr10      | 87786001 | 87791000 | 8.51E-06                |
| chr10      | 87891001 | 87896000 | 3.66E-06                |
| chr10      | 87919001 | 87924000 | 2.77E-09                |
| chr10      | 87934001 | 87939000 | 3.71E-15                |
| chr10      | 87935001 | 87940000 | 2.57E-17                |
| chr10      | 88089001 | 88094000 | 0.00016091              |
| chr10      | 88090001 | 88095000 | 5.24E-07                |
| chr10      | 88091001 | 88096000 | 4.73E-06                |
| chr10      | 88103001 | 88108000 | 0.000751239             |
| chr10      | 88106001 | 88111000 | 0.000366774             |
| chr10      | 88393001 | 88398000 | 9.55E-08                |
| chr10      | 88837001 | 88842000 | 5.08E-10                |
| chr10      | 88838001 | 88843000 | 6.87E-13                |
| chr10      | 88839001 | 88844000 | 8.89E-19                |
| chr10      | 88840001 | 88845000 | 7.62E-08                |
| chr10      | 89352001 | 89357000 | 3.11E-06                |
| chr10      | 89353001 | 89358000 | 6.44E-08                |
| chr10      | 89354001 | 89359000 | 3.80E-06                |
| chr10      | 90144001 | 90149000 | 2.89E-06                |
| chr10      | 90145001 | 90150000 | 2.83E-07                |
| chr10      | 90146001 | 90151000 | 0.000408002             |
| chr10      | 90404001 | 90409000 | 9.24E-06                |
| chr10      | 90405001 | 90410000 | 2.07E-05                |
| chr10      | 90406001 | 90411000 | 3.34E-06                |
| chr10      | 90409001 | 90414000 | 0.001941341             |
| chr10      | 90475001 | 90480000 | 0.002167657             |
| chr10      | 90476001 | 90481000 | 0.001710144             |
| chr10      | 90483001 | 90488000 | 1.61E-05                |
| chr10      | 90484001 | 90489000 | 1.01E-13                |
| chr10      | 90485001 | 90490000 | 7.36E-11                |
| chr10      | 90521001 | 90526000 | 0.000401609             |
| chr10      | 90522001 | 90527000 | 0.000801525             |
| chr10      | 90707001 | 90712000 | 4.01E-05                |
| chr10      | 91191001 | 91196000 | 7.61E-07                |
| chr10      | 91192001 | 91197000 | 2.77E-05                |
| chr10      | 91193001 | 91198000 | 3.60E-05                |
| chr10      | 91372001 | 91377000 | 1.64E-06                |
| chr10      | 91388001 | 91393000 | 1.15E-09                |
| chr10      | 91427001 | 91432000 | 0.001835451             |
| chr10      | 91818001 | 91823000 | 4.28E-05                |
| chr10      | 91819001 | 91824000 | 1.85E-05                |
| chr10      | 92110001 | 92115000 | 2.05E-06                |
| chr10      | 92153001 | 92158000 | 0.005362246             |
| chr10      | 92154001 | 92159000 | 0.008602418             |
| chr10      | 92349001 | 92354000 | 0.002140195             |
| chr10      | 92737001 | 92742000 | 2.50E-05                |
| chr10      | 92739001 | 92744000 | 3.23E-06                |
| chr10      | 92904001 | 92909000 | 5.17E-05                |
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|---------------|
| chr10      | 92905 | 92910 | 6.53E-07      |
| chr10      | 92906 | 92911 | 7.65E-06      |
| chr10      | 93171 | 93176 | 0.000224505   |
| chr10      | 93415 | 93420 | 0.0006213     |
| chr10      | 93416 | 93421 | 0.000226241   |
| chr10      | 93417 | 93422 | 1.65E-06      |
| chr10      | 93418 | 93423 | 1.65E-06      |
| chr10      | 93419 | 93424 | 1.66E-07      |
| chr10      | 93420 | 93425 | 2.56E-06      |
| chr10      | 93421 | 93426 | 1.69E-05      |
| chr10      | 93464 | 93469 | 0.00084969    |
| chr10      | 93684 | 93689 | 8.39E-09      |
| chr10      | 93688 | 93693 | 7.26E-07      |
| chr10      | 93931 | 93936 | 0.000554114   |
| chr10      | 94140 | 94145 | 1.97E-05      |
| chr10      | 94509 | 94514 | 3.63E-08      |
| chr10      | 94510 | 94515 | 4.14E-10      |
| chr10      | 95337 | 95342 | 1.76E-08      |
| chr10      | 95338 | 95343 | 2.01E-12      |
| chr10      | 95339 | 95344 | 2.91E-13      |
| chr10      | 95587 | 95592 | 0.00012562    |
| chr10      | 95588 | 95593 | 5.09E-05      |
| chr10      | 95839 | 95844 | 0.003595137   |
| chr10      | 96025 | 96030 | 4.17E-07      |
| chr10      | 96507 | 96512 | 5.39E-05      |
| chr10      | 96706 | 96711 | 3.40E-06      |
| chr10      | 96707 | 96712 | 6.50E-07      |
| chr10      | 96976 | 96981 | 0.004722826   |
| chr10      | 97501 | 97506 | 0.009951543   |
| chr10      | 97502 | 97507 | 0.00142181    |
| chr10      | 97575 | 97580 | 1.31E-07      |
| chr10      | 97576 | 97581 | 4.72E-06      |
| chr10      | 97868 | 97873 | 0.003677374   |
| chr10      | 98573 | 98578 | 0.000447673   |
| chr10      | 98618 | 98623 | 2.23E-07      |
| chr10      | 98823 | 98828 | 3.76E-13      |
| chr10      | 98830 | 98835 | 6.31E-13      |
| chr10      | 98959 | 98964 | 4.15E-10      |
| chr10      | 98960 | 98965 | 9.08E-12      |
| chr10      | 98961 | 98966 | 2.34E-07      |
| chr10      | 98967 | 98972 | 3.58E-20      |
| chr10      | 98968 | 98973 | 5.98E-17      |
| chr10      | 99541 | 99546 | 1.08E-20      |
| chr10      | 99542 | 99547 | 9.27E-18      |
| chr10      | 99543 | 99548 | 9.14E-16      |
| chr10      | 10025 | 10025 | 0.007032773   |
| chr10      | 10025 | 10025 | 0.020185837   |
| chr10      | 10052 | 10053 | 0.000624182   |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr10      | 100674001 | 100679000 | 0.000535146 |
| chr10      | 100847001 | 100852000 | 0.005064675 |
| chr10      | 100978001 | 100983000 | 0.01144957 |
| chr10      | 100978001 | 100983000 | 0.01144957 |
| chr10      | 101033001 | 101038000 | 1.23E-08 |
| chr10      | 101034001 | 101039000 | 1.16E-08 |
| chr10      | 101035001 | 101040000 | 4.10E-08 |
| chr10      | 101036001 | 101041000 | 6.11E-05 |
| chr10      | 101281001 | 101286000 | 7.70E-10 |
| chr10      | 101620001 | 101625000 | 3.31E-06 |
| chr10      | 102074001 | 102079000 | 4.21E-05 |
| chr10      | 102449001 | 102454000 | 4.11E-05 |
| chr10      | 102538001 | 102543000 | 0.001865969 |
| chr10      | 102539001 | 102544000 | 0.000427624 |
| chr10      | 102837001 | 102842000 | 0.000114073 |
| chr10      | 102978001 | 102983000 | 6.80E-16 |
| chr10      | 102979001 | 102984000 | 2.45E-10 |
| chr10      | 103584001 | 103589000 | 3.30E-21 |
| chr10      | 103585001 | 103590000 | 5.22E-32 |
| chr10      | 103928001 | 103933000 | 3.66E-11 |
| chr10      | 104407001 | 104412000 | 6.36E-07 |
| chr10      | 104529001 | 104534000 | 6.72E-06 |
| chr10      | 104535001 | 104540000 | 4.74E-14 |
| chr10      | 104746001 | 104751000 | 3.07E-11 |
| chr10      | 104747001 | 104752000 | 2.28E-11 |
| chr10      | 104748001 | 104753000 | 4.49E-10 |
| chr10      | 105014001 | 105019000 | 4.55E-09 |
| chr10      | 105435001 | 105440000 | 2.08E-09 |
| chr10      | 105965001 | 105970000 | 4.45E-05 |
| chr10      | 106093001 | 106098000 | 1.68E-09 |
| chr10      | 106126001 | 106131000 | 1.78E-07 |
| chr10      | 106197001 | 106202000 | 8.81E-11 |
| chr10      | 106295001 | 106300000 | 0.000572638 |
| chr10      | 106296001 | 106301000 | 5.67E-05 |
| chr10      | 106555001 | 106560000 | 7.99E-11 |
| chr10      | 106556001 | 106561000 | 1.07E-08 |
| chr10      | 106557001 | 106562000 | 2.73E-07 |
| chr10      | 106558001 | 106563000 | 1.68E-06 |
| chr10      | 106559001 | 106564000 | 6.65E-07 |
| chr10      | 106570001 | 106575000 | 3.17E-06 |
| chr10      | 106821001 | 106826000 | 5.95E-11 |
| chr10      | 106869001 | 106874000 | 6.15E-05 |
| chr10      | 106870001 | 106875000 | 7.03E-05 |
| chr10      | 106871001 | 106876000 | 1.22E-05 |
| chr10      | 106872001 | 106877000 | 0.000144302 |
| chr10      | 106979001 | 106984000 | 0.0042059 |
| chr10      | 107001001 | 107006000 | 9.47E-07 |
| chr10      | 107007001 | 107012000 | 4.10E-05 |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr10      | 107008001      | 107013000    | 0.000395054 |
| chr10      | 107046001      | 107051000    | 0.000729027 |
| chr10      | 107271001      | 107276000    | 0.00190187 |
| chr10      | 107298001      | 107303000    | 0.01022795 |
| chr10      | 107345001      | 107350000    | 0.014618204 |
| chr10      | 107346001      | 107351000    | 0.014364849 |
| chr10      | 107383001      | 107388000    | 0.007621268 |
| chr10      | 107406001      | 107411000    | 0.000284004 |
| chr10      | 107412001      | 107417000    | 0.004599643 |
| chr10      | 107415001      | 107420000    | 0.005917976 |
| chr10      | 107463001      | 107468000    | 9.02E-05 |
| chr10      | 107465001      | 107470000    | 0.002913093 |
| chr10      | 107466001      | 107471000    | 0.001380173 |
| chr10      | 107506001      | 107511000    | 0.000111305 |
| chr10      | 107519001      | 107524000    | 2.25E-05 |
| chr10      | 107522001      | 107527000    | 2.13E-06 |
| chr10      | 107523001      | 107528000    | 2.77E-05 |
| chr10      | 107577001      | 107582000    | 1.30E-07 |
| chr10      | 107578001      | 107583000    | 1.30E-07 |
| chr10      | 107579001      | 107584000    | 5.42E-09 |
| chr10      | 107593001      | 107598000    | 0.000654294 |
| chr10      | 107594001      | 107599000    | 1.95E-05 |
| chr10      | 107595001      | 107600000    | 0.000106549 |
| chr10      | 107612001      | 107617000    | 0.000802512 |
| chr10      | 107639001      | 107644000    | 0.000854686 |
| chr10      | 107663001      | 107668000    | 6.32E-06 |
| chr10      | 107664001      | 107669000    | 0.000304749 |
| chr10      | 107665001      | 107670000    | 0.000194304 |
| chr10      | 107699001      | 107704000    | 5.04E-05 |
| chr10      | 107945001      | 107950000    | 0.000225568 |
| chr10      | 107968001      | 107973000    | 1.01E-05 |
| chr10      | 108047001      | 108052000    | 7.14E-08 |
| chr10      | 108048001      | 108053000    | 6.67E-08 |
| chr10      | 108058001      | 108063000    | 0.000826843 |
| chr10      | 108059001      | 108064000    | 3.14E-05 |
| chr10      | 108060001      | 108065000    | 3.49E-05 |
| chr10      | 108061001      | 108066000    | 0.000312675 |
| chr10      | 108062001      | 108067000    | 0.000414176 |
| chr10      | 108090001      | 108095000    | 0.00112409 |
| chr10      | 108168001      | 108173000    | 0.002320471 |
| chr10      | 108778001      | 108783000    | 1.07E-05 |
| chr10      | 109034001      | 109039000    | 0.00070421 |
| chr10      | 109036001      | 109041000    | 0.005363559 |
| chr10      | 109160001      | 109165000    | 4.88E-06 |
| chr10      | 109161001      | 109166000    | 1.02E-06 |
| chr10      | 109162001      | 109167000    | 4.40E-07 |
| chr10      | 109163001      | 109168000    | 5.75E-06 |
| Chr  | Start  | End    | P-value          |
|------|--------|--------|------------------|
| chr10| 109164001 | 109169000  | 4.49E-06        |
| chr10| 109264001 | 109269000  | 0.022691925     |
| chr10| 109266001 | 109271000  | 0.007751226     |
| chr10| 109267001 | 109272000  | 0.000995372     |
| chr10| 109655001 | 109660000  | 0.00030098      |
| chr10| 109795001 | 109800000  | 0.004103168     |
| chr10| 109829001 | 109834000  | 0.011985041     |
| chr10| 109831001 | 109836000  | 0.001845874     |
| chr10| 109832001 | 109837000  | 0.00148486      |
| chr10| 109907001 | 109912000  | 0.000968002     |
| chr10| 109908001 | 109913000  | 0.001526054     |
| chr10| 109952001 | 109957000  | 4.70E-05        |
| chr10| 109953001 | 109958000  | 3.14E-05        |
| chr10| 109955001 | 109960000  | 5.01E-05        |
| chr10| 109991001 | 109996000  | 0.000337453     |
| chr10| 110062001 | 110067000  | 0.001145479     |
| chr10| 110135001 | 110140000  | 4.44E-06        |
| chr10| 110136001 | 110141000  | 3.88E-06        |
| chr10| 110239001 | 110244000  | 0.002137111     |
| chr10| 110537001 | 110542000  | 0.009794588     |
| chr10| 110584001 | 110589000  | 0.011566767     |
| chr10| 110585001 | 110590000  | 0.00072622      |
| chr10| 110586001 | 110591000  | 0.001851022     |
| chr10| 110809001 | 110814000  | 0.000816588     |
| chr10| 110810001 | 110815000  | 0.000215418     |
| chr10| 110811001 | 110816000  | 0.001863779     |
| chr10| 110812001 | 110817000  | 0.004637583     |
| chr10| 110822001 | 110827000  | 7.69E-07        |
| chr10| 110823001 | 110828000  | 1.49E-07        |
| chr10| 110929001 | 110934000  | 2.38E-07        |
| chr10| 110930001 | 110935000  | 0.000136989     |
| chr10| 110972001 | 110977000  | 0.000729581     |
| chr10| 111118001 | 111123000  | 2.61E-05        |
| chr10| 111119001 | 111124000  | 0.00047911      |
| chr10| 111331001 | 111336000  | 0.002392309     |
| chr10| 111516001 | 111521000  | 4.82E-09        |
| chr10| 111760001 | 111765000  | 5.51E-11        |
| chr10| 111761001 | 111766000  | 6.77E-12        |
| chr10| 112304001 | 112309000  | 1.06E-09        |
| chr10| 113265001 | 113270000  | 7.77E-05        |
| chr10| 114501001 | 114506000  | 0.00017362      |
| chr10| 114502001 | 114507000  | 7.72E-08        |
| chr10| 114503001 | 114508000  | 2.75E-08        |
| chr10| 114968001 | 114973000  | 0.010314684     |
| chr10| 115300001 | 115305000  | 1.09E-08        |
| chr10| 116228001 | 116233000  | 3.10E-09        |
| chr  | Start  | End    | p-value   |
|------|--------|--------|-----------|
| chr10| 133935001 | 133940000 | 3.26E-17  |
| chr10| 133936001 | 133941000 | 1.62E-17  |
| chr10| 133938001 | 133943000 | 5.58E-14  |
| chr10| 133988001 | 133993000 | 0.003609573 |
| chr10| 134037001 | 134042000 | 2.84E-12  |
| chr10| 134055001 | 134060000 | 6.50E-06  |
| chr10| 134082001 | 134087000 | 9.52E-14  |
| chr10| 134214001 | 134219000 | 0.00592535 |
| chr10| 134279001 | 134284000 | 2.58E-11  |
| chr10| 134280001 | 134285000 | 1.11E-08  |
| chr10| 134554001 | 134559000 | 3.92E-15  |
| chr10| 134555001 | 134560000 | 3.65E-15  |
| chr10| 134556001 | 134561000 | 5.09E-14  |
| chr10| 134558001 | 134563000 | 5.58E-09  |
| chr10| 135126001 | 135131000 | 8.80E-24  |
| chr10| 135127001 | 135132000 | 2.38E-21  |
| chr10| 135386001 | 135391000 | 8.98E-06  |
| chr11| 1113001  | 1118000 | 2.98E-07  |
| chr11| 1259001  | 1264000 | 2.27E-09  |
| chr11| 1474001  | 1479000 | 2.89E-06  |
| chr11| 1475001  | 1480000 | 1.20E-07  |
| chr11| 1478001  | 1483000 | 1.92E-07  |
| chr11| 1624001  | 1629000 | 0.001500443 |
| chr11| 1775001  | 1780000 | 0.000237673 |
| chr11| 1791001  | 1796000 | 1.64E-06  |
| chr11| 1969001  | 1974000 | 4.06E-11  |
| chr11| 3007001  | 3012000 | 5.79E-19  |
| chr11| 3238001  | 3243000 | 2.02E-15  |
| chr11| 3741001  | 3746000 | 4.56E-06  |
| chr11| 3742001  | 3747000 | 1.26E-08  |
| chr11| 4624001  | 4629000 | 1.29E-07  |
| chr11| 4730001  | 4735000 | 1.35E-05  |
| chr11| 4779001  | 4784000 | 1.66E-05  |
| chr11| 5173001  | 5178000 | 1.02E-06  |
| chr11| 5210001  | 5215000 | 0.000154905 |
| chr11| 5820001  | 5825000 | 0.002422235 |
| chr11| 6398001  | 6403000 | 2.49E-05  |
| chr11| 6399001  | 6404000 | 0.000178664 |
| chr11| 6634001  | 6639000 | 1.61E-09  |
| chr11| 7205001  | 7210000 | 0.001344054 |
| chr11| 7206001  | 7211000 | 0.000371439 |
| chr11| 7221001  | 7226000 | 1.11E-05  |
| chr11| 7275001  | 7280000 | 8.21E-06  |
| chr11| 8737001  | 8742000 | 3.28E-07  |
| chr11| 8934001  | 8939000 | 1.13E-08  |
| chr11| 9349001  | 9354000 | 0.000259642 |
| chr11| 9720001  | 9725000 | 4.90E-11  |
| chr11| 12585001 | 12590000 | 5.43E-05  |
| Chr | Start | End   | P-value  |
|-----|-------|-------|----------|
| chr11 | 12816001 | 12821000 | 1.08E-07 |
| chr11 | 13112001 | 13117000 | 2.64E-07 |
| chr11 | 13113001 | 13118000 | 3.17E-08 |
| chr11 | 13114001 | 13119000 | 3.64E-08 |
| chr11 | 13359001 | 13364000 | 8.01E-15 |
| chr11 | 15301001 | 15306000 | 0.000395953 |
| chr11 | 15323001 | 15328000 | 0.005022115 |
| chr11 | 15525001 | 15530000 | 0.00746591 |
| chr11 | 15526001 | 15531000 | 5.27E-07 |
| chr11 | 16414001 | 16419000 | 0.000198889 |
| chr11 | 16892001 | 16897000 | 5.24E-05 |
| chr11 | 20762001 | 20767000 | 3.93E-05 |
| chr11 | 20763001 | 20768000 | 0.000102449 |
| chr11 | 21108001 | 21113000 | 1.35E-10 |
| chr11 | 21362001 | 21367000 | 0.000115704 |
| chr11 | 21659001 | 21664000 | 0.002012013 |
| chr11 | 21660001 | 21665000 | 4.82E-06 |
| chr11 | 21661001 | 21666000 | 0.001922176 |
| chr11 | 21803001 | 21808000 | 0.000385247 |
| chr11 | 21862001 | 21867000 | 0.002889777 |
| chr11 | 21906001 | 21911000 | 0.004445689 |
| chr11 | 21938001 | 21943000 | 3.98E-05 |
| chr11 | 21939001 | 21944000 | 0.001028257 |
| chr11 | 21994001 | 21999000 | 5.07E-06 |
| chr11 | 21997001 | 22002000 | 1.28E-06 |
| chr11 | 22135001 | 22140000 | 1.93E-05 |
| chr11 | 22136001 | 22141000 | 1.55E-05 |
| chr11 | 22137001 | 22142000 | 1.24E-05 |
| chr11 | 22140001 | 22145000 | 0.007058571 |
| chr11 | 22141001 | 22146000 | 0.003605573 |
| chr11 | 22142001 | 22147000 | 0.001823362 |
| chr11 | 22438001 | 22443000 | 0.004644924 |
| chr11 | 22498001 | 22503000 | 0.006476331 |
| chr11 | 22560001 | 22565000 | 6.57E-05 |
| chr11 | 22561001 | 22566000 | 2.40E-05 |
| chr11 | 22562001 | 22567000 | 1.95E-05 |
| chr11 | 25391001 | 25396000 | 0.001104714 |
| chr11 | 25998001 | 26003000 | 4.25E-05 |
| chr11 | 26280001 | 26285000 | 3.69E-07 |
| chr11 | 26282001 | 26287000 | 8.63E-05 |
| chr11 | 26369001 | 26374000 | 1.17E-11 |
| chr11 | 27588001 | 27593000 | 3.98E-05 |
| chr11 | 27755001 | 27760000 | 8.58E-06 |
| chr11 | 27840001 | 27845000 | 0.001377632 |
| chr11 | 27851001 | 27856000 | 9.97E-06 |
| chr11 | 27822001 | 27827000 | 2.13E-06 |
| chr11 | 27861001 | 27866000 | 0.003161965 |
| chr11 | 27968001 | 27973000 | 2.13E-06 |
| Chr  | Start | End   | P-value   |
|------|-------|-------|-----------|
| chr11| 28577001 | 28582000 | 0.001172872 |
| chr11| 28578001 | 28583000 | 0.001583819 |
| chr11| 28715001 | 28720000 | 4.88E-06   |
| chr11| 28883001 | 28888000 | 9.26E-05   |
| chr11| 28974001 | 28979000 | 0.000246486 |
| chr11| 28975001 | 28980000 | 3.29E-05   |
| chr11| 28980001 | 28985000 | 0.000141405 |
| chr11| 28975001 | 28980000 | 0.000195257 |
| chr11| 28980001 | 28985000 | 3.29E-05   |
| chr11| 29030001 | 29035000 | 0.002515555 |
| chr11| 29031001 | 29036000 | 0.005650668 |
| chr11| 29078001 | 29083000 | 0.001381294 |
| chr11| 29190001 | 29195000 | 0.0003277  |
| chr11| 30223001 | 30228000 | 0.0003277  |
| chr11| 30398001 | 30403000 | 8.39E-06   |
| chr11| 30399001 | 30404000 | 6.23E-05   |
| chr11| 30546001 | 30551000 | 2.37E-08   |
| chr11| 30547001 | 30552000 | 4.38E-09   |
| chr11| 30548001 | 30553000 | 1.34E-09   |
| chr11| 30682001 | 30687000 | 5.52E-06   |
| chr11| 30683001 | 30688000 | 6.39E-07   |
| chr11| 30684001 | 30689000 | 3.73E-07   |
| chr11| 30685001 | 30690000 | 2.61E-05   |
| chr11| 30686001 | 30691000 | 1.82E-05   |
| chr11| 30971001 | 30976000 | 0.00048043 |
| chr11| 31022001 | 31027000 | 7.33E-06   |
| chr11| 31023001 | 31028000 | 6.71E-06   |
| chr11| 31244001 | 31249000 | 0.002033792 |
| chr11| 31245001 | 31250000 | 0.001425881 |
| chr11| 32010001 | 32015000 | 4.11E-05   |
| chr11| 32132001 | 32137000 | 0.000233266 |
| chr11| 32159001 | 32164000 | 9.30E-08   |
| chr11| 32217001 | 32222000 | 5.34E-05   |
| chr11| 33444001 | 33449000 | 0.000198404 |
| chr11| 33518001 | 33523000 | 5.38E-07   |
| chr11| 33519001 | 33524000 | 4.99E-06   |
| chr11| 33520001 | 33525000 | 1.56E-06   |
| chr11| 33521001 | 33526000 | 1.08E-08   |
| chr11| 33522001 | 33527000 | 5.80E-07   |
| chr11| 34747001 | 34752000 | 0.001148529 |
| chr11| 34770001 | 34775000 | 1.28E-06   |
| chr11| 35024001 | 35029000 | 1.05E-09   |
| chr11| 35025001 | 35030000 | 4.22E-10   |
| chr11| 35062001 | 35067000 | 8.37E-07   |
| chr11| 35259001 | 35264000 | 3.00E-05   |
| chr11| 35260001 | 35265000 | 1.38E-05   |
| chr11| 35507001 | 35512000 | 4.38E-12   |
| chr11| 35508001 | 35513000 | 3.12E-08   |
| chr11| 35633001 | 35638000 | 3.83E-09   |
| Chromosome | Start | End   | p-value    |
|------------|-------|-------|------------|
| chr11      | 36498001 | 36503000 | 4.59E-07   |
| chr11      | 36499001 | 36504000 | 5.51E-08   |
| chr11      | 37004001 | 37009000 | 0.000283878|
| chr11      | 37005001 | 37010000 | 0.000412873|
| chr11      | 37058001 | 37063000 | 0.001463037|
| chr11      | 37061001 | 37066000 | 2.34E-06   |
| chr11      | 37433001 | 37438000 | 8.13E-05   |
| chr11      | 37434001 | 37439000 | 0.000122161|
| chr11      | 37463001 | 37468000 | 3.09E-07   |
| chr11      | 37466001 | 37471000 | 2.63E-09   |
| chr11      | 37532001 | 37537000 | 0.001767453|
| chr11      | 37609001 | 37614000 | 1.83E-08   |
| chr11      | 37610001 | 37615000 | 3.36E-08   |
| chr11      | 37629001 | 37634000 | 4.16E-06   |
| chr11      | 37636001 | 37641000 | 0.002382348|
| chr11      | 37773001 | 37778000 | 0.000137211|
| chr11      | 37774001 | 37779000 | 0.000561135|
| chr11      | 37790001 | 37795000 | 5.55E-07   |
| chr11      | 37990001 | 37995000 | 6.25E-06   |
| chr11      | 38025001 | 38030000 | 0.000120435|
| chr11      | 38159001 | 38164000 | 0.011375933|
| chr11      | 38345001 | 38350000 | 0.003177897|
| chr11      | 38346001 | 38351000 | 2.94E-05   |
| chr11      | 38441001 | 38446000 | 0.000710886|
| chr11      | 38442001 | 38447000 | 2.53E-05   |
| chr11      | 38443001 | 38448000 | 0.000146922|
| chr11      | 38444001 | 38449000 | 4.53E-05   |
| chr11      | 38445001 | 38450000 | 0.005412298|
| chr11      | 38481001 | 38486000 | 1.17E-08   |
| chr11      | 38556001 | 38561000 | 0.000282795|
| chr11      | 38677001 | 38682000 | 0.000448537|
| chr11      | 38678001 | 38683000 | 0.000598779|
| chr11      | 38764001 | 38769000 | 0.001193629|
| chr11      | 38781001 | 38786000 | 6.60E-05   |
| chr11      | 38782001 | 38787000 | 6.52E-05   |
| chr11      | 38783001 | 38788000 | 0.000885632|
| chr11      | 38784001 | 38789000 | 1.80E-05   |
| chr11      | 38785001 | 38790000 | 0.019020009|
| chr11      | 39270001 | 39275000 | 0.001197485|
| chr11      | 39792001 | 39797000 | 3.54E-06   |
| chr11      | 39793001 | 39798000 | 1.01E-06   |
| chr11      | 40050001 | 40055000 | 3.33E-05   |
| chr11      | 40238001 | 40243000 | 6.86E-05   |
| chr11      | 40409001 | 40414000 | 1.44E-05   |
| chr11      | 40410001 | 40415000 | 1.35E-05   |
| chr11      | 41014001 | 41019000 | 0.001067671|
| chr11      | 41066001 | 41071000 | 7.75E-05   |
| chr11      | 41226001 | 41231000 | 0.005532503|
| Start Position | End Position | p-value          |
|----------------|--------------|-----------------|
| chr11 41289001 | chr11 41294000 | 0.012888979     |
| chr11 41395001 | chr11 41400000 | 0.000581189     |
| chr11 41397001 | chr11 41402000 | 0.000894854     |
| chr11 41895001 | chr11 41900000 | 0.013854343     |
| chr11 42640001 | chr11 42645000 | 2.83E-05        |
| chr11 42641001 | chr11 42646000 | 7.22E-05        |
| chr11 42719001 | chr11 42724000 | 0.000226909     |
| chr11 42721001 | chr11 42726000 | 0.000464155     |
| chr11 42983001 | chr11 42988000 | 0.000189046     |
| chr11 42984001 | chr11 42990000 | 0.000624326     |
| chr11 43174001 | chr11 43179000 | 4.63E-08        |
| chr11 43175001 | chr11 43180000 | 6.77E-11        |
| chr11 44433001 | chr11 44438000 | 0.000109796     |
| chr11 44434001 | chr11 44439000 | 0.000840797     |
| chr11 44943001 | chr11 44948000 | 1.11E-05        |
| chr11 45663001 | chr11 45668000 | 0.009309511     |
| chr11 45762001 | chr11 45767000 | 4.05E-11        |
| chr11 45763001 | chr11 45768000 | 6.74E-11        |
| chr11 45764001 | chr11 45769000 | 5.65E-12        |
| chr11 46405001 | chr11 46410000 | 8.11E-08        |
| chr11 47922001 | chr11 47927000 | 0.000341705     |
| chr11 48100001 | chr11 48105000 | 3.21E-14        |
| chr11 48101001 | chr11 48106000 | 1.09E-15        |
| chr11 48102001 | chr11 48107000 | 5.77E-10        |
| chr11 48113001 | chr11 48118000 | 9.49E-11        |
| chr11 48693001 | chr11 48698000 | 1.86E-05        |
| chr11 49741001 | chr11 49746000 | 0.006029156     |
| chr11 51546001 | chr11 51551000 | 0.002207207     |
| chr11 54922001 | chr11 54927000 | 0.000996834     |
| chr11 55472001 | chr11 55477000 | 0.00150722      |
| chr11 55893001 | chr11 55898000 | 0.006311897     |
| chr11 55894001 | chr11 55899000 | 0.005021367     |
| chr11 55895001 | chr11 55900000 | 0.007472036     |
| chr11 56521001 | chr11 56526000 | 6.26E-06        |
| chr11 57960001 | chr11 57965000 | 0.004915816     |
| chr11 58592001 | chr11 58597000 | 7.71E-05        |
| chr11 58593001 | chr11 58598000 | 0.00036949      |
| chr11 59099001 | chr11 59095000 | 0.010256944     |
| chr11 59475001 | chr11 59480000 | 0.000843215     |
| chr11 59937001 | chr11 59942000 | 6.54E-06        |
| chr11 59938001 | chr11 59943000 | 3.93E-07        |
| chr11 60700001 | chr11 60705000 | 9.83E-11        |
| chr11 60701001 | chr11 60706000 | 1.41E-12        |
| chr11 61749001 | chr11 61754000 | 3.90E-11        |
| chr11 62049001 | chr11 62054000 | 4.00E-06        |
| chr11 62317001 | chr11 62322000 | 5.99E-08        |
| chr11 63433001 | chr11 63438000 | 1.45E-06        |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr11      | 63502001 | 63507000 | 1.17E-06 |
| chr11      | 63687001 | 63692000 | 2.53E-05 |
| chr11      | 63688001 | 63693000 | 1.01E-06 |
| chr11      | 63918001 | 63923000 | 3.99E-10 |
| chr11      | 63919001 | 63924000 | 6.15E-10 |
| chr11      | 63920001 | 63925000 | 1.02E-07 |
| chr11      | 64146001 | 64151000 | 1.27E-07 |
| chr11      | 64146001 | 64151000 | 8.63E-08 |
| chr11      | 64146001 | 64151000 | 6.41E-08 |
| chr11      | 64724000 | 64729000 | 1.23E-18 |
| chr11      | 64724000 | 64729000 | 1.23E-22 |
| chr11      | 64724000 | 64729000 | 3.45E-32 |
| chr11      | 65145000 | 65150000 | 5.92E-06 |
| chr11      | 65146000 | 65151000 | 4.33E-08 |
| chr11      | 65344000 | 65349000 | 5.27E-08 |
| chr11      | 65345000 | 65350000 | 2.80E-06 |
| chr11      | 65357000 | 65362000 | 1.41E-15 |
| chr11      | 65359000 | 65364000 | 1.27E-13 |
| chr11      | 65383000 | 65388000 | 1.18E-17 |
| chr11      | 65631000 | 65636000 | 1.22E-24 |
| chr11      | 65632000 | 65637000 | 2.75E-20 |
| chr11      | 65633000 | 65638000 | 6.13E-22 |
| chr11      | 65634000 | 65639000 | 4.86E-20 |
| chr11      | 65635000 | 65640000 | 3.38E-18 |
| chr11      | 65711000 | 65716000 | 6.51E-09 |
| chr11      | 65744000 | 65749000 | 4.33E-06 |
| chr11      | 65745000 | 65750000 | 2.51E-05 |
| chr11      | 66047000 | 66052000 | 5.60E-23 |
| chr11      | 66048000 | 66053000 | 2.93E-27 |
| chr11      | 66049000 | 66054000 | 3.00E-23 |
| chr11      | 66050000 | 66055000 | 8.02E-29 |
| chr11      | 66067000 | 66072000 | 7.18E-10 |
| chr11      | 66150000 | 66155000 | 1.27E-13 |
| chr11      | 66151000 | 66156000 | 6.23E-14 |
| chr11      | 66218000 | 66223000 | 6.19E-05 |
| chr11      | 66219000 | 66224000 | 0.000120307 |
| chr11      | 66308000 | 66313000 | 1.91E-17 |
| chr11      | 66308000 | 66313000 | 8.73E-19 |
| chr11      | 66483000 | 66488000 | 6.34E-16 |
| chr11      | 66485000 | 66490000 | 1.06E-13 |
| chr11      | 66486000 | 66491000 | 2.37E-10 |
| chr11      | 66632000 | 66637000 | 4.77E-24 |
| chr11      | 66633000 | 66638000 | 6.07E-22 |
| chr11      | 66634000 | 66639000 | 8.71E-22 |
| chr11      | 66635000 | 66640000 | 9.90E-22 |
| chr11      | 66636000 | 66641000 | 7.61E-21 |
| chr11      | 67142000 | 67147000 | 8.71E-08 |
| chr11 | 67261001 | 67266000 | 2.44E-13 |
| chr11 | 67263001 | 67268000 | 6.80E-11 |
| chr11 | 67282001 | 67287000 | 2.47E-07 |
| chr11 | 67310001 | 67315000 | 1.59E-09 |
| chr11 | 67324001 | 67329000 | 3.47E-19 |
| chr11 | 67344001 | 67349000 | 5.15E-13 |
| chr11 | 67345001 | 67350000 | 3.65E-24 |
| chr11 | 67458001 | 67463000 | 3.48E-10 |
| chr11 | 67459001 | 67464000 | 7.07E-17 |
| chr11 | 67461001 | 67466000 | 6.40E-15 |
| chr11 | 67865001 | 67870000 | 7.69E-14 |
| chr11 | 67866001 | 67871000 | 4.21E-13 |
| chr11 | 68221001 | 68226000 | 1.02E-05 |
| chr11 | 68804001 | 68809000 | 2.98E-06 |
| chr11 | 68853001 | 68858000 | 2.76E-13 |
| chr11 | 69703001 | 69708000 | 1.07E-06 |
| chr11 | 70578001 | 70583000 | 6.19E-06 |
| chr11 | 70659001 | 70664000 | 5.27E-15 |
| chr11 | 70677001 | 70682000 | 2.41E-19 |
| chr11 | 71876001 | 71881000 | 2.43E-08 |
| chr11 | 72289001 | 72294000 | 4.18E-06 |
| chr11 | 72305001 | 72310000 | 7.02E-08 |
| chr11 | 73025001 | 73030000 | 1.36E-10 |
| chr11 | 73035001 | 73040000 | 1.78E-12 |
| chr11 | 73036001 | 73041000 | 1.10E-11 |
| chr11 | 73037001 | 73042000 | 1.39E-10 |
| chr11 | 73038001 | 73043000 | 1.49E-11 |
| chr11 | 73039001 | 73044000 | 1.89E-06 |
| chr11 | 73061001 | 73066000 | 3.78E-23 |
| chr11 | 73427001 | 73432000 | 4.43E-06 |
| chr11 | 74081001 | 74086000 | 0.007091704 |
| chr11 | 74192001 | 74197000 | 7.21E-06 |
| chr11 | 75380001 | 75385000 | 3.12E-17 |
| chr11 | 76021001 | 76026000 | 6.19E-06 |
| chr11 | 76744001 | 76749000 | 2.04E-11 |
| chr11 | 76745001 | 76750000 | 1.46E-14 |
| chr11 | 77289001 | 77294000 | 7.32E-08 |
| chr11 | 77988001 | 77993000 | 3.01E-15 |
| chr11 | 78268001 | 78273000 | 3.73E-11 |
| chr11 | 79440001 | 79445000 | 3.94E-05 |
| chr11 | 79441001 | 79446000 | 1.38E-05 |
| chr11 | 79442001 | 79447000 | 1.37E-08 |
| chr11 | 79583001 | 79588000 | 0.000486531 |
| chr11 | 79786001 | 79791000 | 6.39E-08 |
| chr11 | 80469001 | 80474000 | 0.01075608 |
| chr11 | 80800001 | 80805000 | 2.54E-06 |
| chr11 | 81003001 | 81008000 | 1.42E-06 |
| chr11 | 81422001 | 81427000 | 6.14E-05 |
| Chr  | Start  | End    | P-value  |
|------|--------|--------|----------|
| chr11| 81423001 | 81428000 | 0.000536202 |
| chr11| 81585001 | 81590000 | 4.17E-05 |
| chr11| 81586001 | 81591000 | 0.000216755 |
| chr11| 81587001 | 81592000 | 0.003614991 |
| chr11| 81618001 | 81623000 | 8.99E-09 |
| chr11| 81619001 | 81624000 | 4.89E-10 |
| chr11| 81680001 | 81685000 | 0.000300597 |
| chr11| 81888001 | 81893000 | 1.69E-23 |
| chr11| 82014001 | 82019000 | 8.99E-09 |
| chr11| 82015001 | 82020000 | 4.81E-07 |
| chr11| 82132001 | 82137000 | 1.85E-05 |
| chr11| 82133001 | 82138000 | 1.15E-05 |
| chr11| 83331001 | 83336000 | 0.002695637 |
| chr11| 83368001 | 83373000 | 0.000366897 |
| chr11| 83571001 | 83576000 | 0.000407977 |
| chr11| 83733001 | 83738000 | 2.69E-07 |
| chr11| 83734001 | 83739000 | 6.18E-05 |
| chr11| 83735001 | 83740000 | 0.000480761 |
| chr11| 83922001 | 83927000 | 0.000153366 |
| chr11| 84084001 | 84089000 | 0.000895847 |
| chr11| 84828001 | 84833000 | 0.000530345 |
| chr11| 85065001 | 85070000 | 3.86E-05 |
| chr11| 85770001 | 85775000 | 1.70E-06 |
| chr11| 87110001 | 87115000 | 1.88E-07 |
| chr11| 87244001 | 87249000 | 0.002599205 |
| chr11| 87415001 | 87420000 | 0.000299126 |
| chr11| 87532001 | 87537000 | 0.00020081 |
| chr11| 87577001 | 87582000 | 1.69E-08 |
| chr11| 87607001 | 87612000 | 0.000234614 |
| chr11| 87608001 | 87613000 | 0.000463866 |
| chr11| 87621001 | 87626000 | 0.000806784 |
| chr11| 87622001 | 87627000 | 7.00E-05 |
| chr11| 87646001 | 87651000 | 3.37E-05 |
| chr11| 87822001 | 87827000 | 5.97E-06 |
| chr11| 88017001 | 88022000 | 4.67E-07 |
| chr11| 88295001 | 88300000 | 0.000747153 |
| chr11| 88323001 | 88328000 | 5.89E-06 |
| chr11| 88489001 | 88494000 | 2.93E-07 |
| chr11| 88614001 | 88619000 | 0.003521563 |
| chr11| 88616001 | 88621000 | 0.000298054 |
| chr11| 88639001 | 88644000 | 0.00125323 |
| chr11| 88640001 | 88645000 | 0.001311664 |
| chr11| 88641001 | 88646000 | 0.001770284 |
| chr11| 88787001 | 88792000 | 0.000142031 |
| chr11| 88833001 | 88838000 | 3.77E-05 |
| chr11| 88872001 | 88877000 | 0.003436882 |
| chr11| 88873001 | 88878000 | 0.010033229 |
| Chr 11 | Start | End   | Score   |
|-------|-------|-------|---------|
| 88874001 | 88879000 | 0.015220916 |
| 88875001 | 88880000 | 0.018693077 |
| 88974001 | 88979000 | 0.000306839 |
| 89468001 | 89473000 | 0.000815434 |
| 89470001 | 89475000 | 3.35E-09    |
| 90089001 | 90094000 | 0.001324366 |
| 90250001 | 90255000 | 8.06E-07    |
| 90251001 | 90256000 | 4.58E-07    |
| 90326001 | 90331000 | 0.000802835 |
| 90327001 | 90332000 | 0.000665107 |
| 90661001 | 90666000 | 9.55E-05    |
| 90742001 | 90747000 | 1.33E-05    |
| 90808001 | 90813000 | 0.002207045 |
| 90973001 | 90978000 | 5.40E-06    |
| 91124001 | 91129000 | 8.14E-05    |
| 91156001 | 91161000 | 0.001283549 |
| 91203001 | 91208000 | 0.00027865  |
| 91447001 | 91452000 | 0.003356018 |
| 91778001 | 91783000 | 0.000394707 |
| 91779001 | 91784000 | 1.58E-05    |
| 91780001 | 91785000 | 0.000272162 |
| 91790001 | 91795000 | 0.005840383 |
| 91874001 | 91879000 | 0.000133357 |
| 92002001 | 92007000 | 2.06E-06    |
| 92052001 | 92057000 | 0.000236676 |
| 92144001 | 92149000 | 9.37E-10    |
| 92145001 | 92150000 | 2.69E-09    |
| 92146001 | 92151000 | 6.14E-08    |
| 92147001 | 92152000 | 7.18E-07    |
| 92748001 | 92753000 | 1.81E-07    |
| 92749001 | 92754000 | 4.10E-07    |
| 92956001 | 92961000 | 1.13E-07    |
| 92957001 | 92962000 | 8.82E-07    |
| 93534001 | 93539000 | 5.18E-05    |
| 93712001 | 93717000 | 0.000188209 |
| 94054001 | 94059000 | 8.66E-06    |
| 94736001 | 94741000 | 0.00682589  |
| 95068001 | 95073000 | 4.65E-09    |
| 95069001 | 95074000 | 5.70E-08    |
| 95070001 | 95075000 | 8.24E-13    |
| 95071001 | 95076000 | 5.36E-08    |
| 95662001 | 95667000 | 2.24E-06    |
| 95692001 | 95697000 | 0.000266245 |
| 95983001 | 95988000 | 9.32E-12    |
| 95984001 | 95989000 | 9.22E-15    |
| 96463001 | 96468000 | 1.73E-07    |
| 96464001 | 96469000 | 2.43E-15    |
| 96465001 | 96470000 | 6.50E-08    |
| Chr  | Start | End   | p-Value       |
|------|-------|-------|---------------|
| chr11| 9646001 | 9647000 | 1.96E-05      |
| chr11| 9676001 | 9677000 | 1.30E-06      |
| chr11| 96763001 | 9678000 | 5.63E-08      |
| chr11| 96774001 | 9679000 | 0.00675622    |
| chr11| 96838001 | 96843000 | 0.006630718   |
| chr11| 96839001 | 96844000 | 0.003574792   |
| chr11| 97059001 | 97064000 | 6.46E-05      |
| chr11| 97060001 | 97065000 | 4.13E-06      |
| chr11| 97378001 | 97383000 | 3.06E-06      |
| chr11| 97843001 | 97848000 | 4.71E-09      |
| chr11| 97844001 | 97849000 | 1.17E-14      |
| chr11| 97845001 | 97850000 | 9.53E-10      |
| chr11| 97846001 | 97851000 | 3.42E-11      |
| chr11| 97859001 | 97864000 | 0.00385214    |
| chr11| 97860001 | 97865000 | 0.000806023   |
| chr11| 97861001 | 97866000 | 0.000161245   |
| chr11| 97862001 | 97867000 | 0.00014582    |
| chr11| 97895001 | 97900000 | 0.010272463   |
| chr11| 97896001 | 97901000 | 0.003993803   |
| chr11| 97897001 | 97902000 | 0.001160236   |
| chr11| 97995001 | 98000000 | 0.001385548   |
| chr11| 97996001 | 98010000 | 0.001369983   |
| chr11| 98037001 | 98042000 | 3.09E-09      |
| chr11| 98038001 | 98043000 | 8.95E-07      |
| chr11| 98039001 | 98044000 | 5.21E-06      |
| chr11| 98266001 | 98271000 | 8.67E-06      |
| chr11| 98267001 | 98272000 | 0.000561452   |
| chr11| 98309001 | 98314000 | 0.005806263   |
| chr11| 98328001 | 98333000 | 0.000113984   |
| chr11| 98342001 | 98347000 | 0.004487111   |
| chr11| 98642001 | 98647000 | 0.000101239   |
| chr11| 98643001 | 98648000 | 5.22E-06      |
| chr11| 98644001 | 98649000 | 1.65E-05      |
| chr11| 98659001 | 98664000 | 0.00010944    |
| chr11| 98724001 | 98729000 | 2.74E-06      |
| chr11| 98725001 | 98730000 | 5.20E-06      |
| chr11| 98933001 | 98938000 | 0.011613942   |
| chr11| 99043001 | 99048000 | 1.52E-05      |
| chr11| 99220001 | 99225000 | 2.26E-06      |
| chr11| 99309001 | 99314000 | 0.001843523   |
| chr11| 99510001 | 99515000 | 0.000297753   |
| chr11| 99544001 | 99549000 | 0.001156023   |
| chr11| 99545001 | 99550000 | 0.007859794   |
| chr11| 99708001 | 99713000 | 0.000785736   |
| chr11| 99709001 | 99714000 | 6.47E-05      |
| chr11| 99747001 | 99752000 | 8.87E-10      |
| chr11| 99748001 | 99753000 | 4.16E-11      |
| chr11| 99749001 | 99754000 | 2.08E-11      |
| Chr  | Start   | End     | p-value     |
|------|---------|---------|-------------|
| chr11| 99947001| 99952000| 1.35E-07    |
| chr11| 100047001| 100052000| 0.00039056  |
| chr11| 100062001| 100067000| 0.002334323 |
| chr11| 100063001| 100068000| 0.000638135 |
| chr11| 100354001| 100359000| 6.68E-09    |
| chr11| 100381001| 100386000| 0.000400893 |
| chr11| 100446001| 100451000| 1.42E-05    |
| chr11| 100447001| 100452000| 2.77E-06    |
| chr11| 100928001| 100933000| 0.017264165 |
| chr11| 101894001| 101899000| 4.87E-07    |
| chr11| 102183001| 102188000| 7.25E-11    |
| chr11| 102903001| 102908000| 3.77E-06    |
| chr11| 103084001| 103089000| 0.000115572 |
| chr11| 103085001| 103090000| 0.00078137  |
| chr11| 103311001| 103316000| 0.001207237 |
| chr11| 103335001| 103340000| 1.57E-07    |
| chr11| 103392001| 103397000| 8.47E-07    |
| chr11| 103416001| 103421000| 3.77E-09    |
| chr11| 103417001| 103422000| 2.99E-09    |
| chr11| 103457001| 103462000| 0.000108935 |
| chr11| 103474001| 103479000| 0.000281379 |
| chr11| 103558001| 103563000| 0.001793787 |
| chr11| 103634001| 103639000| 0.003506991 |
| chr11| 103644001| 103649000| 5.40E-12    |
| chr11| 103647001| 103652000| 3.56E-07    |
| chr11| 103692001| 103697000| 4.86E-08    |
| chr11| 103693001| 103698000| 2.05E-07    |
| chr11| 103694001| 103699000| 1.05E-05    |
| chr11| 103765001| 103770000| 2.28E-11    |
| chr11| 103766001| 103771000| 1.16E-09    |
| chr11| 103871001| 103876000| 2.01E-07    |
| chr11| 103906001| 103911000| 2.80E-08    |
| chr11| 103907001| 103912000| 9.02E-10    |
| chr11| 103908001| 103913000| 2.70E-09    |
| chr11| 103943001| 103948000| 0.003506631 |
| chr11| 103944001| 103949000| 0.000435832 |
| chr11| 104143001| 104148000| 3.78E-07    |
| chr11| 104145001| 104150000| 0.001922322 |
| chr11| 104146001| 104151000| 0.001103778 |
| chr11| 104147001| 104152000| 0.000837915 |
| chr11| 104785001| 104790000| 0.015812323 |
| chr11| 104786001| 104791000| 3.08E-05    |
| chr11| 104787001| 104792000| 9.52E-06    |
| chr11| 104837001| 104842000| 3.44E-14    |
| chr11| 105078001| 105083000| 5.60E-05    |
| chr11| 105079001| 105084000| 0.000306765 |
| chr11| 105566001| 105571000| 0.000249363 |
| Chr  | Start   | End     | p-value  |
|------|---------|---------|----------|
| chr11| 105567001 | 105572000 | 1.05E-05 |
| chr11| 105568001 | 105573000 | 0.00365228 |
| chr11| 105569001 | 105574000 | 4.80E-05 |
| chr11| 105573001 | 105578000 | 0.0013526 |
| chr11| 105590001 | 105664000 | 0.014417247 |
| chr11| 105788001 | 105793000 | 0.00304185 |
| chr11| 105789001 | 105794000 | 1.54E-08 |
| chr11| 105954001 | 105959000 | 1.68E-08 |
| chr11| 106073001 | 106078000 | 1.84E-05 |
| chr11| 106074001 | 106079000 | 1.29E-07 |
| chr11| 106297001 | 106302000 | 3.78E-14 |
| chr11| 106380001 | 106385000 | 0.009169822 |
| chr11| 106584001 | 106589000 | 5.51E-06 |
| chr11| 106585001 | 106590000 | 3.96E-06 |
| chr11| 106600001 | 106605000 | 0.001069546 |
| chr11| 106601001 | 106606000 | 0.001474359 |
| chr11| 106602001 | 106607000 | 0.001815399 |
| chr11| 107707001 | 107712000 | 2.04E-07 |
| chr11| 108003001 | 108008000 | 5.36E-08 |
| chr11| 109454001 | 109459000 | 0.00070078 |
| chr11| 109806001 | 109811000 | 0.000563439 |
| chr11| 110204001 | 110209000 | 0.000121629 |
| chr11| 110205001 | 110210000 | 8.99E-08 |
| chr11| 110207001 | 110212000 | 8.54E-08 |
| chr11| 110624001 | 110629000 | 0.000816159 |
| chr11| 110855001 | 110860000 | 0.000118203 |
| chr11| 110856001 | 110861000 | 0.001175273 |
| chr11| 111242001 | 111247000 | 0.00010622 |
| chr11| 112764001 | 112769000 | 0.000312069 |
| chr11| 113114001 | 113119000 | 1.10E-07 |
| chr11| 114159001 | 114164000 | 3.21E-05 |
| chr11| 114196001 | 114201000 | 4.67E-05 |
| chr11| 116163001 | 116168000 | 2.22E-06 |
| chr11| 117056001 | 117061000 | 0.000420673 |
| chr11| 117786001 | 117791000 | 5.27E-10 |
| chr11| 117787001 | 117792000 | 2.27E-09 |
| chr11| 117788001 | 117793000 | 3.81E-10 |
| chr11| 117789001 | 117794000 | 1.67E-08 |
| chr11| 117790001 | 117795000 | 7.06E-07 |
| chr11| 117917001 | 117922000 | 1.26E-07 |
| chr11| 118199001 | 118204000 | 1.76E-05 |
| chr11| 118858001 | 118863000 | 6.24E-10 |
chr11    118859001   118864000   3.26E-09
chr11    120201001   120206000   1.66E-13
chr11    122183001   122188000   7.92E-06
chr11    122184001   122189000   5.47E-07
chr11    122937001   122942000   6.86E-11
chr11    122969001   122974000   3.89E-08
chr11    122970001   122975000   1.10E-09
chr11    122971001   122976000   2.01E-10
chr11    122972001   122977000   4.56E-07
chr11    124222001   124227000   0.00194932
chr11    124223001   124228000   1.30E-05
chr11    124828001   124833000   0.00107585
chr11    127577001   127582000   5.09E-07
chr11    127578001   127583000   5.60E-06
chr11    127594001   127599000   1.17E-05
chr11    127632001   127637000   2.44E-08
chr11    127633001   127638000   5.55E-08
chr11    127672001   127677000   0.0005201
chr11    127695001   127700000   1.60E-12
chr11    127696001   127701000   6.62E-07
chr11    127697001   127702000   0.00213212
chr11    127791001   127796000   0.000146952
chr11    127969001   127974000   0.000491565
chr11    128139001   128144000   0.002132562
chr11    128343001   128348000   2.00E-09
chr11    128472001   128477000   9.16E-06
chr11    129088001   129093000   6.99E-06
chr11    129089001   129094000   9.89E-06
chr11    129696001   129701000   1.77E-09
chr11    130085001   130090000   5.74E-07
chr11    130086001   130091000   9.35E-08
chr11    131597001   131602000   3.59E-12
chr11    131900001   131905000   4.61E-12
chr11    131901001   131906000   5.27E-11
chr11    131912001   131917000   4.51E-11
chr11    131914001   131919000   9.65E-12
chr11    132016001   132021000   1.87E-11
chr11    132025001   132030000   4.65E-12
chr11    132034001   132039000   1.39E-05
chr11    132079001   132084000   1.36E-14
chr11    132144001   132149000   3.10E-09
chr11    132145001   132150000   3.72E-07
chr12    177001      182000      3.30E-09
chr12    207001      212000      1.82E-29
chr12    208001      213000      5.92E-28
chr12    646001      651000      9.58E-44
chr12    647001      652000      1.13E-30
chr12    1198001     1203000     2.55E-12
| Chromosome | Start | End | Score |
|------------|-------|-----|-------|
| chr12      | 1933001 | 1938000 | 2.18E-29 |
| chr12      | 2272001 | 2277000 | 5.84E-22 |
| chr12      | 2273001 | 2278000 | 7.64E-12 |
| chr12      | 2274001 | 2279000 | 2.51E-10 |
| chr12      | 2488001 | 2493000 | 1.52E-22 |
| chr12      | 2507001 | 2512000 | 3.25E-18 |
| chr12      | 2677001 | 2682000 | 5.95E-10 |
| chr12      | 2678001 | 2683000 | 9.34E-09 |
| chr12      | 2773001 | 2778000 | 1.32E-20 |
| chr12      | 3679001 | 3684000 | 1.61E-13 |
| chr12      | 4678001 | 4683000 | 1.14E-17 |
| chr12      | 4808001 | 4813000 | 2.65E-17 |
| chr12      | 4810001 | 4815000 | 1.60E-15 |
| chr12      | 4998001 | 5003000 | 0.000133551 |
| chr12      | 5036001 | 5041000 | 3.25E-07 |
| chr12      | 5073001 | 5078000 | 4.63E-13 |
| chr12      | 5074001 | 5079000 | 2.61E-11 |
| chr12      | 5075001 | 5080000 | 6.10E-16 |
| chr12      | 5076001 | 5081000 | 8.01E-12 |
| chr12      | 5157001 | 5162000 | 1.11E-14 |
| chr12      | 5167001 | 5172000 | 1.22E-12 |
| chr12      | 5494001 | 5499000 | 0.000337898 |
| chr12      | 5760001 | 5765000 | 5.64E-06 |
| chr12      | 5871001 | 5876000 | 0.000147462 |
| chr12      | 6177001 | 6182000 | 2.22E-31 |
| chr12      | 6178001 | 6183000 | 2.47E-31 |
| chr12      | 6334001 | 6339000 | 5.94E-45 |
| chr12      | 6335001 | 6340000 | 9.38E-46 |
| chr12      | 6336001 | 6341000 | 1.29E-46 |
| chr12      | 6479001 | 6484000 | 1.23E-32 |
| chr12      | 6993001 | 6998000 | 1.09E-22 |
| chr12      | 6994001 | 6999000 | 3.78E-17 |
| chr12      | 6995001 | 7000000 | 3.71E-27 |
| chr12      | 7322001 | 7327000 | 0.00529207 |
| chr12      | 7382001 | 7387000 | 0.00013637 |
| chr12      | 7579001 | 7584000 | 6.14E-06 |
| chr12      | 7580001 | 7585000 | 1.04E-06 |
| chr12      | 7581001 | 7586000 | 1.06E-08 |
| chr12      | 7739001 | 7744000 | 6.64E-09 |
| chr12      | 8308001 | 8313000 | 8.70E-05 |
| chr12      | 8309001 | 8314000 | 4.65E-07 |
| chr12      | 8310001 | 8315000 | 7.61E-08 |
| chr12      | 8844001 | 8849000 | 7.55E-14 |
| chr12      | 9556001 | 9561000 | 2.11E-24 |
| chr12      | 10868001 | 10873000 | 2.86E-09 |
| chr12      | 10869001 | 10874000 | 6.28E-09 |
| chr12      | 10924001 | 10929000 | 3.36E-08 |
| chr12      | 10933001 | 10938000 | 3.75E-17 |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr12      | 10934001       | 10939000     | 2.29E-14 |
| chr12      | 10935001       | 10940000     | 5.36E-16 |
| chr12      | 10936001       | 10941000     | 1.89E-15 |
| chr12      | 10958001       | 10963000     | 0.021648852 |
| chr12      | 10965001       | 10970000     | 0.007069313 |
| chr12      | 11357001       | 11362000     | 0.003345199 |
| chr12      | 11383001       | 11388000     | 1.15E-09 |
| chr12      | 11384001       | 11389000     | 1.32E-10 |
| chr12      | 11385001       | 11390000     | 9.04E-11 |
| chr12      | 11386001       | 11391000     | 1.88E-25 |
| chr12      | 11387001       | 11392000     | 3.67E-18 |
| chr12      | 11456001       | 11461000     | 5.03E-05 |
| chr12      | 11479001       | 11484000     | 0.000780753 |
| chr12      | 11480001       | 11485000     | 0.00045722 |
| chr12      | 11481001       | 11486000     | 1.74E-05 |
| chr12      | 11482001       | 11487000     | 0.000296306 |
| chr12      | 11536001       | 11541000     | 0.000538808 |
| chr12      | 11561001       | 11566000     | 3.96E-09 |
| chr12      | 11609001       | 11614000     | 0.001469598 |
| chr12      | 11642001       | 11647000     | 5.78E-07 |
| chr12      | 11643001       | 11648000     | 5.96E-07 |
| chr12      | 11644001       | 11649000     | 8.43E-09 |
| chr12      | 11645001       | 11650000     | 1.88E-07 |
| chr12      | 11664001       | 11669000     | 5.78E-10 |
| chr12      | 11665001       | 11670000     | 2.74E-09 |
| chr12      | 11666001       | 11671000     | 3.58E-07 |
| chr12      | 12031001       | 12036000     | 1.92E-15 |
| chr12      | 12032001       | 12037000     | 1.86E-11 |
| chr12      | 12434001       | 12439000     | 1.16E-11 |
| chr12      | 13345001       | 13350000     | 4.56E-15 |
| chr12      | 13457001       | 13462000     | 8.52E-07 |
| chr12      | 13458001       | 13463000     | 4.87E-07 |
| chr12      | 13505001       | 13510000     | 1.57E-07 |
| chr12      | 13506001       | 13511000     | 4.45E-07 |
| chr12      | 13507001       | 13512000     | 0.001386325 |
| chr12      | 13741001       | 13746000     | 4.74E-06 |
| chr12      | 13806001       | 13811000     | 1.88E-07 |
| chr12      | 13817001       | 13822000     | 0.000497833 |
| chr12      | 13819001       | 13824000     | 0.000218778 |
| chr12      | 13843001       | 13848000     | 0.000556971 |
| chr12      | 13888001       | 13893000     | 2.05E-09 |
| chr12      | 13902001       | 13907000     | 1.93E-16 |
| chr12      | 13903001       | 13908000     | 6.66E-14 |
| chr12      | 13919001       | 13924000     | 9.67E-09 |
| chr12      | 13932001       | 13937000     | 4.03E-11 |
| chr12      | 13941001       | 13946000     | 9.13E-17 |
| chr12      | 13942001       | 13947000     | 2.18E-16 |
| chr12      | 13943001       | 13948000     | 2.29E-13 |
| Chromosome | Start Position | End Position | p-value       |
|------------|----------------|--------------|---------------|
| chr12      | 13961001       | 13966000     | 7.62E-05      |
| chr12      | 13969001       | 13974000     | 9.34E-06      |
| chr12      | 13970001       | 13975000     | 9.71E-08      |
| chr12      | 14001001       | 14006000     | 9.73E-15      |
| chr12      | 14017001       | 14022000     | 1.67E-23      |
| chr12      | 14046001       | 14051000     | 9.70E-09      |
| chr12      | 14047001       | 14052000     | 3.72E-11      |
| chr12      | 14048001       | 14053000     | 4.84E-10      |
| chr12      | 14049001       | 14054000     | 4.15E-14      |
| chr12      | 14050001       | 14055000     | 1.14E-11      |
| chr12      | 14051001       | 14056000     | 1.79E-05      |
| chr12      | 14056001       | 14061000     | 0.001623901   |
| chr12      | 14116001       | 14121000     | 2.62E-11      |
| chr12      | 14117001       | 14122000     | 0.000704053   |
| chr12      | 14190001       | 14124000     | 0.000470798   |
| chr12      | 14150001       | 14155000     | 2.14E-12      |
| chr12      | 14151001       | 14156000     | 5.20E-16      |
| chr12      | 14152001       | 14157000     | 9.63E-16      |
| chr12      | 14171001       | 14176000     | 5.91E-11      |
| chr12      | 14172001       | 14177000     | 1.02E-09      |
| chr12      | 14173001       | 14178000     | 3.16E-08      |
| chr12      | 14309001       | 14314000     | 8.93E-07      |
| chr12      | 14667001       | 14672000     | 1.09E-16      |
| chr12      | 14758001       | 14763000     | 3.61E-06      |
| chr12      | 14759001       | 14764000     | 5.95E-07      |
| chr12      | 14760001       | 14765000     | 2.20E-06      |
| chr12      | 14761001       | 14766000     | 0.004809913   |
| chr12      | 14762001       | 14767000     | 0.001258261   |
| chr12      | 14804001       | 14809000     | 2.50E-08      |
| chr12      | 14815001       | 14820000     | 4.70E-23      |
| chr12      | 14816001       | 14821000     | 1.54E-26      |
| chr12      | 14817001       | 14822000     | 1.26E-29      |
| chr12      | 14818001       | 14823000     | 6.29E-28      |
| chr12      | 14819001       | 14824000     | 1.15E-15      |
| chr12      | 14827001       | 14832000     | 0.000646429   |
| chr12      | 14845001       | 14850000     | 1.17E-07      |
| chr12      | 15236001       | 15241000     | 0.003265105   |
| chr12      | 15237001       | 15242000     | 0.003206832   |
| chr12      | 15282001       | 15287000     | 7.25E-06      |
| chr12      | 15319001       | 15324000     | 7.50E-07      |
| chr12      | 15320001       | 15325000     | 2.04E-07      |
| chr12      | 15321001       | 15326000     | 8.07E-08      |
| chr12      | 15322001       | 15327000     | 3.73E-06      |
| chr12      | 15323001       | 15328000     | 4.57E-05      |
| chr12      | 15324001       | 15329000     | 3.84E-05      |
| chr12      | 15325001       | 15330000     | 9.02E-05      |
| chr12      | 15331001       | 15336000     | 4.04E-05      |
| chr12 | Start        | End          | p-value     |
|-------|--------------|--------------|-------------|
| 15346001 | 15351000 | 0.000842776  |
| 15440001 | 15445000 | 0.000641758  |
| 15449001 | 15454000 | 0.000699861  |
| 15449001 | 15471000 | 9.38E-09     |
| 15467001 | 15472000 | 2.01E-08     |
| 15468001 | 15473000 | 1.68E-10     |
| 15469001 | 15474000 | 2.27E-08     |
| 15539001 | 15544000 | 2.92E-05     |
| 15577001 | 15582000 | 1.08E-11     |
| 15578001 | 15583000 | 1.81E-09     |
| 15579001 | 15584000 | 5.39E-07     |
| 15580001 | 15585000 | 7.62E-07     |
| 15599001 | 15604000 | 0.000659752  |
| 15600001 | 15605000 | 0.002960085  |
| 15602001 | 15607000 | 0.001910718  |
| 15603001 | 15608000 | 0.001394046  |
| 15634001 | 15639000 | 0.002207072  |
| 15635001 | 15640000 | 0.002706475  |
| 15636001 | 15641000 | 1.93E-06     |
| 15637001 | 15642000 | 2.82E-05     |
| 15651001 | 15656000 | 4.56E-08     |
| 15653001 | 15658000 | 0.002419329  |
| 15673001 | 15678000 | 8.05E-07     |
| 15682001 | 15687000 | 6.51E-05     |
| 15683001 | 15688000 | 0.00117867   |
| 15684001 | 15689000 | 1.57E-05     |
| 15685001 | 15690000 | 1.90E-08     |
| 15686001 | 15691000 | 9.67E-07     |
| 15739001 | 15744000 | 3.71E-15     |
| 16216001 | 16221000 | 2.31E-05     |
| 16269001 | 16274000 | 0.000243843  |
| 16286001 | 16291000 | 1.98E-06     |
| 16434001 | 16439000 | 2.08E-06     |
| 16441001 | 16446000 | 2.68E-10     |
| 16442001 | 16447000 | 1.03E-13     |
| 16488001 | 16493000 | 4.75E-07     |
| 16981001 | 16986000 | 0.000392602  |
| 16982001 | 16987000 | 0.000148208  |
| 17083001 | 17088000 | 0.000870364  |
| 17138001 | 17143000 | 4.96E-10     |
| 17139001 | 17144000 | 2.25E-09     |
| 17140001 | 17145000 | 1.84E-07     |
| 17184001 | 17189000 | 1.78E-08     |
| 17239001 | 17244000 | 0.003578645  |
| 17240001 | 17245000 | 0.002774467  |
| 17241001 | 17246000 | 0.000942828  |
| Chr  | Start    | End      | P-value     |
|------|----------|----------|-------------|
| chr12| 17242001 | 17247000 | 0.00184534  |
| chr12| 17243001 | 17248000 | 0.001568032 |
| chr12| 17246001 | 17251000 | 2.14E-11    |
| chr12| 17358001 | 17363000 | 1.38E-12    |
| chr12| 17359001 | 17364000 | 1.29E-12    |
| chr12| 17360001 | 17365000 | 1.38E-10    |
| chr12| 17592001 | 17597000 | 0.000757119 |
| chr12| 17594001 | 17599000 | 0.00487074  |
| chr12| 17600001 | 17605000 | 4.74E-07    |
| chr12| 17680001 | 17685000 | 4.50E-08    |
| chr12| 17681001 | 17686000 | 7.60E-08    |
| chr12| 17702001 | 17707000 | 0.007830616 |
| chr12| 17703001 | 17708000 | 0.009638763 |
| chr12| 17704001 | 17709000 | 0.000321233 |
| chr12| 17705001 | 17710000 | 0.002026791 |
| chr12| 17759001 | 17764000 | 2.14E-09    |
| chr12| 17796001 | 17801000 | 0.004692117 |
| chr12| 17829001 | 17834000 | 9.36E-07    |
| chr12| 17830001 | 17835000 | 3.83E-07    |
| chr12| 17831001 | 17836000 | 3.45E-07    |
| chr12| 17832001 | 17837000 | 1.73E-07    |
| chr12| 17834001 | 17839000 | 0.001088484 |
| chr12| 17835001 | 17840000 | 0.001779629 |
| chr12| 17836001 | 17841000 | 0.002269038 |
| chr12| 17860001 | 17865000 | 5.71E-05    |
| chr12| 18069001 | 18074000 | 6.49E-07    |
| chr12| 18081001 | 18086000 | 0.007724177 |
| chr12| 18082001 | 18087000 | 0.001660536 |
| chr12| 18083001 | 18088000 | 0.002660396 |
| chr12| 18084001 | 18089000 | 0.001186392 |
| chr12| 18085001 | 18090000 | 0.000785915 |
| chr12| 18099001 | 18104000 | 1.63E-08    |
| chr12| 18140001 | 18145000 | 0.001118778 |
| chr12| 18216001 | 18221000 | 9.46E-10    |
| chr12| 18287001 | 18292000 | 1.93E-06    |
| chr12| 18364001 | 18369000 | 0.001069232 |
| chr12| 18365001 | 18370000 | 0.005082119 |
| chr12| 18366001 | 18371000 | 0.000382108 |
| chr12| 18367001 | 18372000 | 0.000990246 |
| chr12| 18368001 | 18373000 | 0.006728558 |
| chr12| 18375001 | 18380000 | 8.93E-05    |
| chr12| 18598001 | 18603000 | 0.000791266 |
| chr12| 18625001 | 18630000 | 1.28E-06    |
| chr12| 18762001 | 18767000 | 0.001138853 |
| chr12| 18763001 | 18768000 | 0.00338533  |
| chr12| 18825001 | 18830000 | 0.000325226 |
| chr12| 19174001 | 19179000 | 0.000315442 |
| Chromosome | Start position | End position | p-value |
|------------|----------------|--------------|---------|
| chr12      | 19175001       | 19180000     | 0.000440658 |
| chr12      | 19176001       | 19181000     | 1.20E-08      |
| chr12      | 19178001       | 19183000     | 1.29E-06      |
| chr12      | 19594001       | 19599000     | 1.57E-16      |
| chr12      | 19899001       | 19904000     | 9.10E-06      |
| chr12      | 19902001       | 19907000     | 0.000128693   |
| chr12      | 19910001       | 19915000     | 0.000492269   |
| chr12      | 19953001       | 19958000     | 2.82E-07      |
| chr12      | 19956001       | 19961000     | 2.14E-05      |
| chr12      | 19957001       | 19962000     | 3.37E-06      |
| chr12      | 19958001       | 19963000     | 1.06E-06      |
| chr12      | 19961001       | 19966000     | 0.00052646    |
| chr12      | 19970001       | 19975000     | 6.57E-05      |
| chr12      | 19993001       | 19998000     | 1.19E-07      |
| chr12      | 20001001       | 20006000     | 2.33E-13      |
| chr12      | 20002001       | 20007000     | 3.55E-12      |
| chr12      | 20003001       | 20008000     | 3.94E-09      |
| chr12      | 20004001       | 20009000     | 2.27E-07      |
| chr12      | 20011001       | 20016000     | 3.77E-13      |
| chr12      | 20012001       | 20017000     | 8.27E-14      |
| chr12      | 20013001       | 20018000     | 5.05E-14      |
| chr12      | 20015001       | 20020000     | 1.04E-16      |
| chr12      | 20024001       | 20029000     | 6.22E-10      |
| chr12      | 20025001       | 20030000     | 1.23E-07      |
| chr12      | 20028001       | 20033000     | 7.38E-08      |
| chr12      | 20037001       | 20042000     | 3.69E-11      |
| chr12      | 20041001       | 20046000     | 5.25E-06      |
| chr12      | 20059001       | 20064000     | 0.001485987   |
| chr12      | 20060001       | 20065000     | 4.98E-05      |
| chr12      | 20061001       | 20066000     | 6.84E-05      |
| chr12      | 20083001       | 20088000     | 0.007255044   |
| chr12      | 20084001       | 20089000     | 0.004703734   |
| chr12      | 20085001       | 20090000     | 0.008956214   |
| chr12      | 20114001       | 20119000     | 0.00301693    |
| chr12      | 20115001       | 20120000     | 0.002259014   |
| chr12      | 20128001       | 20133000     | 0.004826114   |
| chr12      | 20132001       | 20137000     | 0.008166602   |
| chr12      | 20153001       | 20158000     | 5.54E-05      |
| chr12      | 20155001       | 20160000     | 3.58E-05      |
| chr12      | 20156001       | 20161000     | 8.94E-06      |
| chr12      | 20178001       | 20183000     | 0.00012805    |
| chr12      | 20179001       | 20184000     | 6.11E-05      |
| chr12      | 20180001       | 20185000     | 2.33E-05      |
| chr12      | 20182001       | 20187000     | 5.38E-05      |
| chr12      | 20223001       | 20228000     | 7.37E-07      |
| chr12      | 20224001       | 20229000     | 2.68E-06      |
| chr12      | 20225001       | 20230000     | 7.34E-05      |
| chr12      | 20226001       | 20231000     | 0.000267244   |
| Start Position | End Position | Score       |
|----------------|--------------|-------------|
| chr12 20268001 | 20273000     | 2.88E-35    |
| chr12 20290001 | 20295000     | 1.22E-06    |
| chr12 20291001 | 20296000     | 1.10E-06    |
| chr12 20292001 | 20297000     | 2.51E-09    |
| chr12 20293001 | 20298000     | 1.19E-10    |
| chr12 20294001 | 20299000     | 1.10E-10    |
| chr12 20295001 | 20300000     | 1.73E-05    |
| chr12 20307001 | 20312000     | 2.95E-07    |
| chr12 20329001 | 20334000     | 2.15E-06    |
| chr12 20335001 | 20340000     | 2.91E-06    |
| chr12 20336001 | 20341000     | 8.22E-08    |
| chr12 20360001 | 20365000     | 4.44E-08    |
| chr12 20361001 | 20366000     | 3.37E-07    |
| chr12 20362001 | 20367000     | 1.05E-07    |
| chr12 20363001 | 20368000     | 1.43E-05    |
| chr12 20364001 | 20369000     | 2.05E-05    |
| chr12 20375001 | 20380000     | 8.43E-06    |
| chr12 20376001 | 20381000     | 3.06E-10    |
| chr12 20377001 | 20382000     | 1.38E-13    |
| chr12 20378001 | 20383000     | 1.48E-17    |
| chr12 20379001 | 20384000     | 5.37E-14    |
| chr12 20380001 | 20385000     | 1.93E-13    |
| chr12 20382001 | 20387000     | 6.18E-15    |
| chr12 20383001 | 20388000     | 9.29E-13    |
| chr12 20384001 | 20389000     | 6.54E-06    |
| chr12 20385001 | 20390000     | 0.000632018 |
| chr12 20410001 | 20415000     | 9.16E-07    |
| chr12 20423001 | 20428000     | 0.000620888 |
| chr12 20424001 | 20429000     | 0.001182808 |
| chr12 20425001 | 20430000     | 0.00124444  |
| chr12 20438001 | 20443000     | 0.000376031 |
| chr12 20466001 | 20471000     | 0.006281668 |
| chr12 20467001 | 20472000     | 0.006389504 |
| chr12 20468001 | 20473000     | 3.68E-06    |
| chr12 20534001 | 20539000     | 7.63E-07    |
| chr12 20535001 | 20540000     | 1.20E-06    |
| chr12 20534001 | 20541000     | 1.93E-06    |
| chr12 20549001 | 20554000     | 3.07E-07    |
| chr12 20550001 | 20555000     | 1.22E-08    |
| chr12 20551001 | 20556000     | 2.69E-10    |
| chr12 20552001 | 20557000     | 3.00E-11    |
| chr12 20553001 | 20558000     | 5.16E-11    |
| chr12 20583001 | 20588000     | 0.000216547 |
| chr12 20585001 | 20590000     | 0.000122808 |
| chr12 20591001 | 20596000     | 1.88E-06    |
| chr12 20612001 | 20617000     | 0.000842167 |
| chr12 20613001 | 20618000     | 0.0013405   |
| chr12 20684001 | 20689000     | 1.60E-20    |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr12      | 20685001 | 20690000 | 1.11E-18  |
| chr12      | 20686001 | 20691000 | 3.36E-21  |
| chr12      | 20700001 | 20705000 | 2.29E-30  |
| chr12      | 20706001 | 20711000 | 2.80E-09  |
| chr12      | 20709001 | 20714000 | 4.14E-08  |
| chr12      | 20710001 | 20715000 | 5.15E-06  |
| chr12      | 20712001 | 20717000 | 8.38E-06  |
| chr12      | 20728001 | 20733000 | 3.36E-05  |
| chr12      | 20729001 | 20734000 | 4.57E-05  |
| chr12      | 20752001 | 20757000 | 6.21E-07  |
| chr12      | 20753001 | 20758000 | 2.27E-06  |
| chr12      | 20754001 | 20759000 | 5.01E-06  |
| chr12      | 20755001 | 20760000 | 1.94E-05  |
| chr12      | 20793001 | 20798000 | 7.00E-06  |
| chr12      | 20794001 | 20799000 | 1.45E-06  |
| chr12      | 20811001 | 20816000 | 0.000108323 |
| chr12      | 20838001 | 20843000 | 0.000825163 |
| chr12      | 20881001 | 20886000 | 0.005459384 |
| chr12      | 20883001 | 20888000 | 2.77E-05  |
| chr12      | 20887001 | 20892000 | 0.001544949 |
| chr12      | 20938001 | 20943000 | 3.25E-05  |
| chr12      | 20963001 | 20968000 | 0.000372254 |
| chr12      | 20964001 | 20969000 | 0.0003978 |
| chr12      | 21100001 | 21105000 | 3.94E-05  |
| chr12      | 21101001 | 21106000 | 6.91E-07  |
| chr12      | 21112001 | 21117000 | 0.000202743 |
| chr12      | 21226001 | 21231000 | 1.99E-13  |
| chr12      | 21227001 | 21232000 | 2.78E-10  |
| chr12      | 21228001 | 21233000 | 2.53E-08  |
| chr12      | 21229001 | 21234000 | 1.69E-09  |
| chr12      | 21230001 | 21235000 | 0.00021653 |
| chr12      | 21245001 | 21250000 | 0.003599122 |
| chr12      | 21275001 | 21280000 | 0.003446038 |
| chr12      | 21311001 | 21316000 | 0.011091404 |
| chr12      | 21699001 | 21704000 | 2.56E-05  |
| chr12      | 21700001 | 21705000 | 2.90E-06  |
| chr12      | 21701001 | 21706000 | 1.86E-05  |
| chr12      | 21702001 | 21707000 | 1.35E-05  |
| chr12      | 21894001 | 21899000 | 0.000224717 |
| chr12      | 21905001 | 21910000 | 6.81E-07  |
| chr12      | 21992001 | 21997000 | 1.18E-08  |
| chr12      | 21993001 | 21998000 | 4.47E-08  |
| chr12      | 21994001 | 21999000 | 4.94E-08  |
| chr12      | 22058001 | 22063000 | 0.018026632 |
| chr12      | 22564001 | 22569000 | 6.58E-12  |
| chr12      | 22740001 | 22745000 | 1.75E-14  |
| chr12      | 23060001 | 23065000 | 0.000531112 |
| chr12      | 23061001 | 23066000 | 0.001688509 |
| Chr  | Start   | End     | P-value  |
|------|---------|---------|----------|
| chr12| 23062001| 23067000| 4.30E-05 |
| chr12| 23192001| 23197000| 0.001520658 |
| chr12| 23286001| 23291000| 0.000153651 |
| chr12| 23472001| 23477000| 1.11E-07 |
| chr12| 23473001| 23478000| 8.00E-10 |
| chr12| 23979001| 23984000| 4.05E-06 |
| chr12| 25548001| 25553000| 5.26E-06 |
| chr12| 25549001| 25554000| 2.49E-08 |
| chr12| 25763001| 25768000| 3.37E-09 |
| chr12| 25820001| 25825000| 7.35E-09 |
| chr12| 25896001| 25901000| 0.000317251 |
| chr12| 25914001| 25919000| 0.000524902 |
| chr12| 25915001| 25920000| 4.53E-05 |
| chr12| 25916001| 25921000| 5.87E-05 |
| chr12| 25917001| 25922000| 0.000138611 |
| chr12| 25918001| 25923000| 0.000128212 |
| chr12| 25929001| 25934000| 3.45E-05 |
| chr12| 25966001| 25971000| 2.51E-08 |
| chr12| 25967001| 25972000| 6.38E-08 |
| chr12| 25968001| 25973000| 1.04E-08 |
| chr12| 25980001| 25985000| 2.65E-08 |
| chr12| 25983001| 25988000| 3.44E-06 |
| chr12| 26035001| 26040000| 1.37E-39 |
| chr12| 26054001| 26059000| 0.000117881 |
| chr12| 26246001| 26251000| 3.65E-07 |
| chr12| 26739001| 26744000| 1.26E-05 |
| chr12| 26934001| 26939000| 1.06E-11 |
| chr12| 26951001| 26956000| 3.85E-09 |
| chr12| 27299001| 27304000| 2.79E-18 |
| chr12| 27300001| 27305000| 2.18E-16 |
| chr12| 27329001| 27334000| 6.41E-05 |
| chr12| 27330001| 27335000| 7.79E-06 |
| chr12| 27612001| 27617000| 2.93E-30 |
| chr12| 27613001| 27618000| 1.25E-31 |
| chr12| 27964001| 27969000| 2.29E-06 |
| chr12| 27983001| 27988000| 8.52E-12 |
| chr12| 27984001| 27989000| 2.43E-11 |
| chr12| 27985001| 27990000| 2.03E-12 |
| chr12| 28051001| 28056000| 2.10E-07 |
| chr12| 28720001| 28725000| 2.76E-06 |
| chr12| 28729001| 28734000| 1.02E-09 |
| chr12| 28744001| 28749000| 9.14E-05 |
| chr12| 28784001| 28789000| 1.84E-09 |
| chr12| 28851001| 28856000| 3.51E-07 |
| chr12| 28942001| 28947000| 0.000486652 |
| chr12| 29029001| 29034000| 0.000213108 |
| chr12| 29046001| 29051000| 0.000126266 |
| chr12| 29086001| 29091000| 2.92E-06 |
| Chromosome | Start Position | End Position | P-value   |
|------------|----------------|--------------|-----------|
| chr12      | 29099001       | 29104000     | 3.28E-06  |
| chr12      | 29262001       | 29267000     | 2.81E-08  |
| chr12      | 29263001       | 29268000     | 7.42E-07  |
| chr12      | 29834001       | 29839000     | 1.98E-05  |
| chr12      | 29836001       | 29841000     | 2.90E-08  |
| chr12      | 30240001       | 30245000     | 0.000131792 |
| chr12      | 30241001       | 30246000     | 0.000145191 |
| chr12      | 30242001       | 30247000     | 0.000481812 |
| chr12      | 31520001       | 31525000     | 5.44E-49  |
| chr12      | 31521001       | 31526000     | 5.73E-69  |
| chr12      | 31522001       | 31527000     | 2.97E-66  |
| chr12      | 31523001       | 31528000     | 4.09E-53  |
| chr12      | 31752001       | 31757000     | 6.98E-23  |
| chr12      | 31753001       | 31758000     | 1.70E-24  |
| chr12      | 31754001       | 31759000     | 6.03E-22  |
| chr12      | 31755001       | 31760000     | 7.67E-15  |
| chr12      | 32571001       | 32576000     | 1.10E-25  |
| chr12      | 32807001       | 32812000     | 1.10E-27  |
| chr12      | 32808001       | 32813000     | 3.35E-25  |
| chr12      | 32809001       | 32814000     | 3.46E-19  |
| chr12      | 33141001       | 33146000     | 0.01043709 |
| chr12      | 33142001       | 33147000     | 0.002780628 |
| chr12      | 33234001       | 33239000     | 0.000445909 |
| chr12      | 33235001       | 33240000     | 0.004045405 |
| chr12      | 33306001       | 33311000     | 2.46E-06  |
| chr12      | 33452001       | 33457000     | 1.18E-07  |
| chr12      | 33455001       | 33460000     | 7.11E-06  |
| chr12      | 33456001       | 33461000     | 1.20E-05  |
| chr12      | 33526001       | 33531000     | 0.002296545 |
| chr12      | 33527001       | 33532000     | 0.003776704 |
| chr12      | 33542001       | 33547000     | 1.10E-06  |
| chr12      | 33567001       | 33572000     | 1.86E-07  |
| chr12      | 33568001       | 33573000     | 1.64E-07  |
| chr12      | 33569001       | 33574000     | 1.06E-06  |
| chr12      | 33570001       | 33575000     | 6.24E-06  |
| chr12      | 33604001       | 33609000     | 2.12E-08  |
| chr12      | 33605001       | 33610000     | 2.26E-09  |
| chr12      | 33606001       | 33611000     | 1.42E-08  |
| chr12      | 33607001       | 33612000     | 5.53E-09  |
| chr12      | 33650001       | 33655000     | 1.11E-05  |
| chr12      | 33707001       | 33712000     | 3.22E-05  |
| chr12      | 33708001       | 33713000     | 4.55E-06  |
| chr12      | 33709001       | 33714000     | 0.000618033 |
| chr12      | 33725001       | 33730000     | 0.000117027 |
| chr12      | 33731001       | 33736000     | 0.000433452 |
| chr12      | 33734001       | 33739000     | 8.74E-09  |
| chr12      | 33735001       | 33740000     | 6.54E-08  |
| chr12      | 33736001       | 33741000     | 6.30E-07  |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr12      | 38526001       | 38531000     | 1.40E-14|
| chr12      | 38570001       | 38575000     | 0.00121692|
| chr12      | 38606001       | 38611000     | 0.002754197|
| chr12      | 38607001       | 38612000     | 6.99E-07|
| chr12      | 38608001       | 38613000     | 1.22E-05|
| chr12      | 38610001       | 38615000     | 1.17E-05|
| chr12      | 38665001       | 38670000     | 2.48E-06|
| chr12      | 38858001       | 38863000     | 0.00128487|
| chr12      | 38875001       | 38880000     | 0.000253311|
| chr12      | 38940001       | 38945000     | 9.78E-11|
| chr12      | 38941001       | 38946000     | 9.35E-12|
| chr12      | 38996001       | 39001000     | 2.63E-05|
| chr12      | 39099001       | 39104000     | 0.000195726|
| chr12      | 39100001       | 39105000     | 0.000301156|
| chr12      | 39111001       | 39116000     | 8.15E-12|
| chr12      | 39115001       | 39120000     | 1.27E-10|
| chr12      | 39153001       | 39158000     | 7.72E-09|
| chr12      | 39154001       | 39159000     | 1.38E-08|
| chr12      | 39155001       | 39160000     | 1.68E-07|
| chr12      | 39171001       | 39176000     | 0.004617328|
| chr12      | 39173001       | 39178000     | 0.005996336|
| chr12      | 39174001       | 39179000     | 7.11E-07|
| chr12      | 39175001       | 39180000     | 3.50E-05|
| chr12      | 39176001       | 39181000     | 7.31E-06|
| chr12      | 39177001       | 39182000     | 6.37E-06|
| chr12      | 39178001       | 39183000     | 7.18E-08|
| chr12      | 39230001       | 39235000     | 0.001042217|
| chr12      | 39231001       | 39236000     | 0.000608483|
| chr12      | 39232001       | 39237000     | 0.000386774|
| chr12      | 39233001       | 39238000     | 6.10E-06|
| chr12      | 39234001       | 39239000     | 2.93E-05|
| chr12      | 39260001       | 39265000     | 0.000177675|
| chr12      | 39261001       | 39266000     | 8.94E-05|
| chr12      | 39278001       | 39283000     | 0.001059283|
| chr12      | 39301001       | 39306000     | 1.10E-05|
| chr12      | 39347001       | 39352000     | 1.03E-09|
| chr12      | 39348001       | 39353000     | 1.33E-08|
| chr12      | 39398001       | 39403000     | 0.004216833|
| chr12      | 39400001       | 39405000     | 1.13E-05|
| chr12      | 39408001       | 39413000     | 2.53E-05|
| chr12      | 39409001       | 39414000     | 1.15E-05|
| chr12      | 39454001       | 39459000     | 8.70E-16|
| chr12      | 39499001       | 39504000     | 0.002224735|
| chr12      | 39501001       | 39506000     | 0.001843899|
| chr12      | 39509001       | 39514000     | 2.84E-05|
| chr12      | 39675001       | 39680000     | 5.15E-05|
| chr12 | 39676001 | 39681000 | 8.53E-09 |
|-------|----------|----------|----------|
| chr12 | 39894001 | 39899000 | 6.86E-07 |
| chr12 | 39934001 | 39939000 | 3.28E-06 |
| chr12 | 39935001 | 39940000 | 2.37E-05 |
| chr12 | 39936001 | 39941000 | 4.57E-06 |
| chr12 | 39937001 | 39942000 | 5.65E-06 |
| chr12 | 39938001 | 39943000 | 4.03E-05 |
| chr12 | 40078001 | 40083000 | 5.76E-05 |
| chr12 | 40079001 | 40084000 | 6.0018902 |
| chr12 | 40081001 | 40086000 | 0.01282766 |
| chr12 | 40108001 | 40113000 | 0.00031124 |
| chr12 | 40109001 | 40114000 | 0.000364761 |
| chr12 | 40156001 | 40161000 | 3.34E-07 |
| chr12 | 40165001 | 40170000 | 4.10E-08 |
| chr12 | 40167001 | 40172000 | 9.45E-08 |
| chr12 | 40171001 | 40176000 | 1.98E-07 |
| chr12 | 40204001 | 40209000 | 3.48E-07 |
| chr12 | 40205001 | 40210000 | 1.44E-08 |
| chr12 | 40302001 | 40307000 | 7.39E-21 |
| chr12 | 40303001 | 40308000 | 3.25E-18 |
| chr12 | 40304001 | 40309000 | 2.33E-13 |
| chr12 | 40305001 | 40310000 | 9.07E-16 |
| chr12 | 40306001 | 40311000 | 1.31E-13 |
| chr12 | 40342001 | 40347000 | 0.000762334 |
| chr12 | 40383001 | 40388000 | 4.37E-05 |
| chr12 | 40477001 | 40482000 | 2.23E-08 |
| chr12 | 40478001 | 40483000 | 1.14E-07 |
| chr12 | 40479001 | 40484000 | 3.70E-07 |
| chr12 | 40536001 | 40541000 | 4.93E-07 |
| chr12 | 40537001 | 40542000 | 3.22E-11 |
| chr12 | 40538001 | 40543000 | 3.47E-10 |
| chr12 | 40539001 | 40544000 | 2.89E-12 |
| chr12 | 40540001 | 40545000 | 7.72E-13 |
| chr12 | 40541001 | 40546000 | 1.05E-08 |
| chr12 | 40562001 | 40567000 | 5.37E-07 |
| chr12 | 40564001 | 40569000 | 7.70E-10 |
| chr12 | 40565001 | 40570000 | 2.63E-11 |
| chr12 | 40575001 | 40580000 | 0.00154011 |
| chr12 | 40576001 | 40581000 | 8.57E-05 |
| chr12 | 40577001 | 40582000 | 0.000405199 |
| chr12 | 40578001 | 40583000 | 0.000112444 |
| chr12 | 40593001 | 40598000 | 4.30E-11 |
| chr12 | 40594001 | 40599000 | 3.83E-11 |
| chr12 | 40772001 | 40777000 | 2.60E-05 |
| chr12 | 40820001 | 40825000 | 3.48E-10 |
| chr12 | 40821001 | 40826000 | 8.82E-10 |
| chr12 | 40822001 | 40827000 | 2.77E-10 |
| Chr | Start  | End    | p-value |
|-----|--------|--------|---------|
| chr12 | 40823001 | 40828000 | 1.64E-10 |
| chr12 | 40824001 | 40829000 | 1.95E-09 |
| chr12 | 40834001 | 40839000 | 0.000150114 |
| chr12 | 40835001 | 40840000 | 0.000133659 |
| chr12 | 40864001 | 40869000 | 0.000211959 |
| chr12 | 40868001 | 40873000 | 1.48E-05 |
| chr12 | 40924001 | 40929000 | 4.27E-07 |
| chr12 | 40945001 | 40950000 | 0.000252422 |
| chr12 | 40946001 | 40951000 | 0.000342944 |
| chr12 | 40947001 | 40952000 | 0.000133659 |
| chr12 | 40948001 | 40953000 | 0.000133659 |
| chr12 | 41047001 | 41052000 | 0.000772955 |
| chr12 | 41285001 | 41290000 | 0.000257198 |
| chr12 | 41532001 | 41537000 | 0.001081957 |
| chr12 | 41644001 | 41649000 | 0.000857563 |
| chr12 | 41784001 | 41789000 | 0.002101856 |
| chr12 | 41785001 | 41790000 | 0.000409619 |
| chr12 | 41807001 | 41812000 | 0.000394508 |
| chr12 | 41853001 | 41858000 | 7.03E-05 |
| chr12 | 41854001 | 41859000 | 1.21E-06 |
| chr12 | 41855001 | 41860000 | 1.35E-06 |
| chr12 | 41856001 | 41861000 | 7.16E-08 |
| chr12 | 41857001 | 41862000 | 1.24E-07 |
| chr12 | 42919001 | 42924000 | 8.75E-17 |
| chr12 | 42920001 | 42925000 | 6.10E-14 |
| chr12 | 42988001 | 42993000 | 8.27E-07 |
| chr12 | 42990001 | 42995000 | 4.77E-09 |
| chr12 | 42990001 | 42995000 | 8.55E-10 |
| chr12 | 42991001 | 42996000 | 8.82E-09 |
| chr12 | 42992001 | 42997000 | 1.37E-10 |
| chr12 | 42994001 | 42999000 | 1.62E-11 |
| chr12 | 43082001 | 43087000 | 0.000633396 |
| chr12 | 43095001 | 43100000 | 1.04E-09 |
| chr12 | 43096001 | 43101000 | 5.73E-09 |
| chr12 | 43112001 | 43117000 | 3.46E-05 |
| chr12 | 43171001 | 43176000 | 3.35E-11 |
| chr12 | 43211001 | 43216000 | 2.62E-07 |
| chr12 | 43214001 | 43219000 | 5.46E-06 |
| chr12 | 43215001 | 43220000 | 0.000231352 |
| chr12 | 43228001 | 43233000 | 1.21E-10 |
| chr12 | 43229001 | 43234000 | 1.29E-12 |
| chr12 | 43230001 | 43235000 | 1.07E-13 |
| chr12 | 43231001 | 43236000 | 1.66E-15 |
| chr12 | 43234001 | 43239000 | 4.33E-05 |
| chr12 | 43271001 | 43276000 | 8.16E-05 |
| chr12 | 43272001 | 43277000 | 0.002315366 |
| chr12 | 43273001 | 43278000 | 0.002389841 |
| chr12 | 43279001 | 43284000 | 0.00049812 |
| chr12 | 43293001 | 43298000 | 1.13E-07 |
| Chromosome | Start Base | End Base | P-value  |
|------------|------------|----------|----------|
| chr12      | 43305001   | 43310000 | 9.14E-07 |
| chr12      | 43306001   | 43311000 | 1.34E-06 |
| chr12      | 43308001   | 43313000 | 5.31E-06 |
| chr12      | 43323001   | 43328000 | 1.28E-09 |
| chr12      | 43324001   | 43329000 | 2.71E-08 |
| chr12      | 43325001   | 43330000 | 1.47E-10 |
| chr12      | 43326001   | 43331000 | 4.24E-13 |
| chr12      | 43327001   | 43332000 | 2.44E-10 |
| chr12      | 43374001   | 43379000 | 4.09E-05 |
| chr12      | 43389001   | 43394000 | 6.77E-14 |
| chr12      | 43397001   | 43402000 | 1.08E-12 |
| chr12      | 43398001   | 43403000 | 7.76E-13 |
| chr12      | 43399001   | 43404000 | 4.53E-11 |
| chr12      | 43405001   | 43410000 | 2.77E-05 |
| chr12      | 43406001   | 43411000 | 1.17E-06 |
| chr12      | 43407001   | 43412000 | 2.26E-06 |
| chr12      | 43408001   | 43413000 | 3.07E-06 |
| chr12      | 43409001   | 43414000 | 2.72E-05 |
| chr12      | 43416001   | 43421000 | 9.67E-07 |
| chr12      | 43417001   | 43422000 | 9.06E-08 |
| chr12      | 43418001   | 43423000 | 1.18E-05 |
| chr12      | 43424001   | 43429000 | 6.61E-06 |
| chr12      | 43425001   | 43430000 | 4.61E-07 |
| chr12      | 43426001   | 43431000 | 6.22E-07 |
| chr12      | 43466001   | 43471000 | 8.85E-07 |
| chr12      | 43467001   | 43472000 | 0.000140872 |
| chr12      | 43494001   | 43499000 | 7.14E-05 |
| chr12      | 43502001   | 43507000 | 5.00E-06 |
| chr12      | 43503001   | 43508000 | 3.35E-05 |
| chr12      | 43504001   | 43509000 | 0.001996272 |
| chr12      | 43536001   | 43541000 | 4.16E-06 |
| chr12      | 43537001   | 43542000 | 7.28E-05 |
| chr12      | 43538001   | 43543000 | 0.000391529 |
| chr12      | 43539001   | 43544000 | 1.23E-05 |
| chr12      | 43540001   | 43545000 | 0.000324554 |
| chr12      | 43541001   | 43546000 | 0.004995886 |
| chr12      | 43553001   | 43558000 | 1.28E-07 |
| chr12      | 43554001   | 43559000 | 8.31E-08 |
| chr12      | 43555001   | 43560000 | 1.09E-07 |
| chr12      | 43568001   | 43573000 | 1.10E-12 |
| chr12      | 43569001   | 43574000 | 1.52E-15 |
| chr12      | 43570001   | 43575000 | 7.29E-15 |
| chr12      | 43571001   | 43576000 | 1.87E-11 |
| chr12      | 43572001   | 43577000 | 1.08E-10 |
| chr12      | 43589001   | 43594000 | 1.53E-06 |
| chr12      | 43591001   | 43596000 | 1.47E-08 |
| chr12      | 43598001   | 43603000 | 6.64E-08 |
| chr12      | 43599001   | 43604000 | 4.85E-07 |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr12      | 43600001 | 43605000 | 7.38E-07 |
| chr12      | 43601001 | 43606000 | 3.59E-10 |
| chr12      | 43602001 | 43607000 | 4.72E-08 |
| chr12      | 43639001 | 43644000 | 3.93E-08 |
| chr12      | 43640001 | 43645000 | 5.13E-06 |
| chr12      | 43641001 | 43646000 | 1.21E-07 |
| chr12      | 43656001 | 43661000 | 0.000553215 |
| chr12      | 43657001 | 43662000 | 5.30E-05 |
| chr12      | 43658001 | 43663000 | 0.000315203 |
| chr12      | 43659001 | 43664000 | 6.17E-08 |
| chr12      | 43660001 | 43665000 | 1.44E-07 |
| chr12      | 43661001 | 43666000 | 4.93E-08 |
| chr12      | 43662001 | 43667000 | 5.62E-06 |
| chr12      | 43663001 | 43668000 | 8.54E-06 |
| chr12      | 43676001 | 43681000 | 2.35E-08 |
| chr12      | 43677001 | 43682000 | 1.26E-09 |
| chr12      | 43678001 | 43683000 | 2.29E-10 |
| chr12      | 43679001 | 43684000 | 6.70E-12 |
| chr12      | 43681001 | 43686000 | 8.79E-10 |
| chr12      | 43682001 | 43687000 | 9.70E-06 |
| chr12      | 43688001 | 43693000 | 6.87E-13 |
| chr12      | 43707001 | 43712000 | 0.000425988 |
| chr12      | 43736001 | 43741000 | 0.000479455 |
| chr12      | 43737001 | 43742000 | 3.82E-06 |
| chr12      | 43738001 | 43743000 | 1.58E-07 |
| chr12      | 43739001 | 43744000 | 0.000624757 |
| chr12      | 43740001 | 43745000 | 0.000607661 |
| chr12      | 43741001 | 43746000 | 7.99E-06 |
| chr12      | 43742001 | 43747000 | 5.54E-09 |
| chr12      | 43743001 | 43748000 | 2.27E-06 |
| chr12      | 43753001 | 43758000 | 8.43E-07 |
| chr12      | 43754001 | 43759000 | 9.16E-08 |
| chr12      | 43792001 | 43797000 | 0.001947142 |
| chr12      | 43847001 | 43852000 | 8.36E-09 |
| chr12      | 43882001 | 43887000 | 1.65E-14 |
| chr12      | 43883001 | 43888000 | 5.84E-14 |
| chr12      | 43884001 | 43889000 | 1.13E-12 |
| chr12      | 43885001 | 43890000 | 8.20E-13 |
| chr12      | 43940001 | 43945000 | 8.92E-21 |
| chr12      | 43976001 | 43981000 | 0.00058137 |
| chr12      | 43992001 | 43997000 | 5.93E-05 |
| chr12      | 44049001 | 44054000 | 0.000200075 |
| chr12      | 44080001 | 44085000 | 1.47E-05 |
| chr12      | 44082001 | 44087000 | 2.94E-12 |
| chr12      | 44083001 | 44088000 | 3.81E-12 |
| chr12      | 44094001 | 44099000 | 2.03E-10 |
| chr12      | 44108001 | 44113000 | 5.83E-07 |
| chr12      | 44109001 | 44114000 | 1.20E-05 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr12      | 44110001       | 44115000     | 3.53E-05|
| chr12      | 44805001       | 44810000     | 0.00735064|
| chr12      | 44857001       | 44862000     | 8.92E-05|
| chr12      | 44875001       | 44880000     | 0.00709499|
| chr12      | 44876001       | 44881000     | 0.00431758|
| chr12      | 44883001       | 44888000     | 1.58E-11|
| chr12      | 44884001       | 44889000     | 8.63E-12|
| chr12      | 44885001       | 44890000     | 1.56E-13|
| chr12      | 44886001       | 44891000     | 6.53E-13|
| chr12      | 44896001       | 44901000     | 2.41E-16|
| chr12      | 44982001       | 44987000     | 3.14E-08|
| chr12      | 45031001       | 45036000     | 5.34E-11|
| chr12      | 45108001       | 45113000     | 0.00678753|
| chr12      | 45109001       | 45114000     | 0.00748688|
| chr12      | 45110001       | 45115000     | 0.001957726|
| chr12      | 45187001       | 45192000     | 8.88E-05|
| chr12      | 45201001       | 45206000     | 0.000222054|
| chr12      | 45202001       | 45207000     | 0.000253463|
| chr12      | 45203001       | 45208000     | 9.17E-05|
| chr12      | 45204001       | 45209000     | 2.02E-05|
| chr12      | 45205001       | 45210000     | 3.63E-07|
| chr12      | 45246001       | 45251000     | 5.23E-07|
| chr12      | 45372001       | 45377000     | 1.14E-05|
| chr12      | 45373001       | 45378000     | 4.16E-05|
| chr12      | 45374001       | 45379000     | 7.43E-05|
| chr12      | 45375001       | 45380000     | 2.48E-05|
| chr12      | 45505001       | 45510000     | 0.00714605|
| chr12      | 46005001       | 46010000     | 3.93E-14|
| chr12      | 46009001       | 46014000     | 2.24E-12|
| chr12      | 46497001       | 46502000     | 3.17E-07|
| chr12      | 46599001       | 46604000     | 0.002605589|
| chr12      | 46724001       | 46729000     | 0.000507264|
| chr12      | 46794001       | 46799000     | 0.000451067|
| chr12      | 46836001       | 46841000     | 1.50E-10|
| chr12      | 46946001       | 46951000     | 0.002121475|
| chr12      | 46947001       | 46952000     | 0.00032847|
| chr12      | 46951001       | 46956000     | 1.70E-09|
| chr12      | 46952001       | 46957000     | 2.41E-09|
| chr12      | 46953001       | 46958000     | 2.31E-07|
| chr12      | 48723001       | 48728000     | 1.87E-08|
| chr12      | 48724001       | 48729000     | 2.47E-18|
| chr12      | 49677001       | 49682000     | 1.56E-13|
| chr12      | 49680001       | 49685000     | 1.24E-20|
| chr12      | 49681001       | 49686000     | 1.34E-24|
| chr12      | 49682001       | 49687000     | 9.15E-17|
| chr12      | 49684001       | 49689000     | 1.92E-06|
| chr12      | 49721001       | 49726000     | 5.41E-07|
| chr12      | 49904001       | 49909000     | 0.007477291|
| Chromosome | Start | End   | P-value   |
|------------|------|-------|-----------|
| chr12      | 50037001 | 50042000 | 9.07E-05  |
| chr12      | 50079001 | 50084000 | 1.26E-06  |
| chr12      | 50080001 | 50085000 | 1.40E-09  |
| chr12      | 50081001 | 50086000 | 1.77E-07  |
| chr12      | 50362001 | 50367000 | 2.13E-11  |
| chr12      | 50363001 | 50368000 | 2.08E-09  |
| chr12      | 50364001 | 50369000 | 1.38E-14  |
| chr12      | 50365001 | 50370000 | 5.03E-13  |
| chr12      | 50651001 | 50656000 | 3.84E-08  |
| chr12      | 50796001 | 50801000 | 1.08E-22  |
| chr12      | 52771001 | 52776000 | 1.36E-09  |
| chr12      | 52884001 | 52889000 | 1.37E-19  |
| chr12      | 52885001 | 52890000 | 3.41E-20  |
| chr12      | 52886001 | 52891000 | 1.62E-15  |
| chr12      | 52971001 | 52976000 | 9.45E-11  |
| chr12      | 53275001 | 53280000 | 1.20E-07  |
| chr12      | 53276001 | 53281000 | 2.27E-10  |
| chr12      | 53277001 | 53282000 | 4.31E-08  |
| chr12      | 53392001 | 53397000 | 2.02E-06  |
| chr12      | 53587001 | 53592000 | 3.40E-28  |
| chr12      | 53588001 | 53593000 | 7.29E-40  |
| chr12      | 53589001 | 53594000 | 1.23E-41  |
| chr12      | 53590001 | 53595000 | 4.59E-40  |
| chr12      | 53591001 | 53596000 | 7.56E-39  |
| chr12      | 53616001 | 53621000 | 0.000385297|
| chr12      | 54035001 | 54040000 | 1.07E-08  |
| chr12      | 54520001 | 54525000 | 1.73E-14  |
| chr12      | 54521001 | 54526000 | 4.22E-06  |
| chr12      | 54523001 | 54528000 | 1.88E-12  |
| chr12      | 54601001 | 54606000 | 1.37E-07  |
| chr12      | 54677001 | 54682000 | 4.38E-06  |
| chr12      | 54742001 | 54747000 | 7.80E-07  |
| chr12      | 54743001 | 54748000 | 5.79E-06  |
| chr12      | 55315001 | 55320000 | 8.30E-07  |
| chr12      | 55316001 | 55321000 | 1.50E-06  |
| chr12      | 55444001 | 55449000 | 1.56E-11  |
| chr12      | 55445001 | 55450000 | 4.01E-14  |
| chr12      | 55446001 | 55451000 | 2.85E-09  |
| chr12      | 55447001 | 55452000 | 1.04E-08  |
| chr12      | 56361001 | 56366000 | 1.30E-09  |
| chr12      | 56637001 | 56642000 | 4.12E-05  |
| chr12      | 56852001 | 56857000 | 1.61E-10  |
| chr12      | 57067001 | 57072000 | 0.000161448|
| chr12      | 57076001 | 57081000 | 7.90E-15  |
| chr12      | 57179001 | 57184000 | 7.22E-12  |
| chr12      | 57180001 | 57185000 | 9.16E-15  |
| chr12      | 57182001 | 57187000 | 5.27E-15  |
| chr12      | 57249001 | 57254000 | 0.000281242|
| Start    | End      | p-Value     |
|----------|----------|-------------|
| chr12 57271001 | 57276000 | 5.48E-06    |
| chr12 57999001 | 58004000 | 9.47E-15    |
| chr12 58008001 | 58013000 | 5.80E-08    |
| chr12 58587001 | 58592000 | 9.33E-08    |
| chr12 58806001 | 58811000 | 0.001152801 |
| chr12 58807001 | 58812000 | 0.000920293 |
| chr12 58923001 | 58928000 | 0.00625187  |
| chr12 58993001 | 58998000 | 0.000508132 |
| chr12 59769001 | 59774000 | 1.36E-05    |
| chr12 59773001 | 59778000 | 0.000184566 |
| chr12 59803001 | 59808000 | 0.013730786 |
| chr12 59804001 | 59809000 | 0.07783622  |
| chr12 59827001 | 59832000 | 4.42E-05    |
| chr12 59904001 | 59909000 | 0.000227043 |
| chr12 59905001 | 59910000 | 0.00011717  |
| chr12 59915001 | 59920000 | 0.004159573 |
| chr12 59982001 | 59987000 | 5.96E-07    |
| chr12 59984001 | 59989000 | 1.78E-06    |
| chr12 60257001 | 60262000 | 2.40E-11    |
| chr12 60258001 | 60263000 | 2.64E-05    |
| chr12 60259001 | 60264000 | 4.62E-05    |
| chr12 60260001 | 60265000 | 6.12E-05    |
| chr12 60465001 | 60470000 | 0.000253613 |
| chr12 60466001 | 60471000 | 1.26E-05    |
| chr12 60557001 | 60562000 | 0.004074893 |
| chr12 60609001 | 60614000 | 0.001681313 |
| chr12 60621001 | 60626000 | 1.10E-09    |
| chr12 60622001 | 60627000 | 9.64E-09    |
| chr12 60623001 | 60628000 | 4.77E-08    |
| chr12 60677001 | 60682000 | 7.10E-05    |
| chr12 60695001 | 60700000 | 5.28E-05    |
| chr12 60889001 | 60894000 | 1.11E-05    |
| chr12 60890001 | 60895000 | 5.48E-06    |
| chr12 60891001 | 60896000 | 8.14E-06    |
| chr12 61032001 | 61037000 | 8.24E-07    |
| chr12 61033001 | 61038000 | 5.84E-08    |
| chr12 61034001 | 61039000 | 2.27E-07    |
| chr12 61035001 | 61040000 | 3.01E-06    |
| chr12 61036001 | 61041000 | 1.92E-05    |
| chr12 61090001 | 61095000 | 3.46E-07    |
| chr12 61091001 | 61096000 | 1.03E-06    |
| chr12 61094001 | 61099000 | 3.92E-08    |
| chr12 61360001 | 61365000 | 0.003060889 |
| chr12 61379001 | 61384000 | 0.00216077  |
| chr12 61532001 | 61537000 | 0.000442956 |
| chr12 61533001 | 61538000 | 0.00067721  |
| chr12 61542001 | 61547000 | 3.97E-05    |
| chr12 61610001 | 61615000 | 0.000443384 |
| Chr  | Position Start | Position End | P-value |
|------|----------------|--------------|---------|
| chr12| 61767001       | 61772000     | 0.010579463 |
| chr12| 61923001       | 61928000     | 0.002685102 |
| chr12| 61995001       | 62000000     | 0.003396889 |
| chr12| 62016001       | 62021000     | 3.61E-07   |
| chr12| 62017001       | 62022000     | 1.97E-06   |
| chr12| 62018001       | 62023000     | 9.77E-07   |
| chr12| 62019001       | 62024000     | 4.87E-06   |
| chr12| 62209001       | 62214000     | 2.86E-05   |
| chr12| 62308001       | 62313000     | 2.16E-06   |
| chr12| 62309001       | 62314000     | 4.61E-05   |
| chr12| 62310001       | 62315000     | 0.002795937 |
| chr12| 63014001       | 63019000     | 2.94E-12   |
| chr12| 63016001       | 63021000     | 1.08E-10   |
| chr12| 63018001       | 63023000     | 4.44E-08   |
| chr12| 63312001       | 63317000     | 0.02741945 |
| chr12| 63470001       | 63475000     | 1.49E-06   |
| chr12| 63526001       | 63531000     | 0.006751238 |
| chr12| 63527001       | 63532000     | 0.005810368 |
| chr12| 63562001       | 63567000     | 0.000148053 |
| chr12| 63683001       | 63688000     | 6.37E-11   |
| chr12| 63684001       | 63689000     | 1.77E-12   |
| chr12| 63685001       | 63690000     | 3.09E-14   |
| chr12| 63686001       | 63691000     | 1.40E-09   |
| chr12| 63691001       | 63696000     | 0.004621273 |
| chr12| 63702001       | 63707000     | 5.60E-07   |
| chr12| 63704001       | 63709000     | 5.04E-05   |
| chr12| 63899001       | 63904000     | 7.17E-05   |
| chr12| 64006001       | 64011000     | 0.00016934 |
| chr12| 64007001       | 64012000     | 0.00016934 |
| chr12| 64105001       | 64110000     | 0.013186402 |
| chr12| 64322001       | 64327000     | 6.86E-06   |
| chr12| 64323001       | 64328000     | 5.77E-05   |
| chr12| 64741001       | 64746000     | 0.001008075 |
| chr12| 65992001       | 65997000     | 0.000113206 |
| chr12| 66348001       | 66353000     | 0.003470216 |
| chr12| 66646001       | 66651000     | 0.000377506 |
| chr12| 66647001       | 66652000     | 0.005271048 |
| chr12| 67483001       | 67488000     | 0.002609922 |
| chr12| 67608001       | 67613000     | 7.17E-08   |
| chr12| 67748001       | 67753000     | 4.36E-11   |
| chr12| 68004001       | 68009000     | 9.59E-06   |
| chr12| 68114001       | 68119000     | 7.70E-05   |
| chr12| 68349001       | 68354000     | 0.000144448 |
| chr12| 68362001       | 68367000     | 0.00039132 |
| chr12| 68527001       | 68532000     | 0.000219526 |
| chr12| 68596001       | 68601000     | 9.69E-11   |
| chr12| 68597001       | 68602000     | 1.26E-12   |
| chr12| 68598001       | 68603000     | 1.76E-10   |
| Chromosome | Start Position | End Position | P-value       |
|------------|----------------|--------------|---------------|
| chr12      | 68621001       | 68626000     | 0.000312921   |
| chr12      | 69455001       | 69460000     | 2.91E-07      |
| chr12      | 69458001       | 69463000     | 1.01E-08      |
| chr12      | 69674001       | 69679000     | 0.003952456   |
| chr12      | 69675001       | 69680000     | 0.01878252    |
| chr12      | 69865001       | 69870000     | 7.78E-18      |
| chr12      | 69866001       | 69871000     | 1.89E-17      |
| chr12      | 70381001       | 70386000     | 6.65E-06      |
| chr12      | 70661001       | 70666000     | 2.09E-08      |
| chr12      | 71549001       | 71554000     | 1.59E-06      |
| chr12      | 71554001       | 71559000     | 1.37E-05      |
| chr12      | 71876001       | 71881000     | 9.24E-05      |
| chr12      | 71966001       | 71971000     | 4.98E-06      |
| chr12      | 72334001       | 72339000     | 9.23E-05      |
| chr12      | 72582001       | 72587000     | 0.000266269   |
| chr12      | 72583001       | 72588000     | 0.00037913    |
| chr12      | 72584001       | 72589000     | 7.81E-09      |
| chr12      | 72585001       | 72590000     | 1.93E-07      |
| chr12      | 72605001       | 72610000     | 0.001058008   |
| chr12      | 72606001       | 72611000     | 0.001887439   |
| chr12      | 72607001       | 72612000     | 0.002457346   |
| chr12      | 72608001       | 72613000     | 0.002310736   |
| chr12      | 72626001       | 72631000     | 6.15E-05      |
| chr12      | 72627001       | 72632000     | 0.003740988   |
| chr12      | 72697001       | 72702000     | 6.49E-05      |
| chr12      | 72698001       | 72703000     | 6.49E-06      |
| chr12      | 73375001       | 73380000     | 3.99E-12      |
| chr12      | 73378001       | 73383000     | 2.47E-11      |
| chr12      | 73711001       | 73716000     | 4.20E-05      |
| chr12      | 74026001       | 74031000     | 0.000668294   |
| chr12      | 74160001       | 74165000     | 0.003073949   |
| chr12      | 74161001       | 74166000     | 0.005138387   |
| chr12      | 74162001       | 74167000     | 0.007147714   |
| chr12      | 74204001       | 74209000     | 0.001272778   |
| chr12      | 74360001       | 74365000     | 3.50E-05      |
| chr12      | 74582001       | 74587000     | 7.82E-06      |
| chr12      | 74980001       | 74985000     | 5.45E-19      |
| chr12      | 75253001       | 75258000     | 0.00023059    |
| chr12      | 75588001       | 75593000     | 4.49E-05      |
| chr12      | 75589001       | 75594000     | 2.34E-05      |
| chr12      | 75875001       | 75880000     | 7.94E-13      |
| chr12      | 75876001       | 75881000     | 7.83E-11      |
| chr12      | 76112001       | 76117000     | 3.24E-08      |
| chr12      | 76588001       | 76593000     | 7.99E-06      |
| chr12      | 76589001       | 76594000     | 2.04E-05      |
| chr12      | 76591001       | 76596000     | 0.000223577   |
| chr12      | 76650001       | 76655000     | 1.72E-09      |
| chr12      | 76651001       | 76656000     | 1.10E-06      |
| Chromosome | Start | Finish | P-value |
|------------|-------|--------|---------|
| chr12      | 77400001 | 77405000 | 1.03E-15 |
| chr12      | 77401001 | 77406000 | 2.01E-14 |
| chr12      | 77402001 | 77407000 | 1.54E-18 |
| chr12      | 77403001 | 77408000 | 3.15E-16 |
| chr12      | 77593001 | 77598000 | 0.002571189 |
| chr12      | 77613001 | 77618000 | 8.71E-07 |
| chr12      | 77870001 | 77875000 | 0.00014414 |
| chr12      | 77871001 | 77876000 | 4.99E-06 |
| chr12      | 77872001 | 77877000 | 2.30E-06 |
| chr12      | 77902001 | 77907000 | 0.000580534 |
| chr12      | 77903001 | 77908000 | 0.001598843 |
| chr12      | 78127001 | 78132000 | 0.002724526 |
| chr12      | 78391001 | 78396000 | 7.65E-10 |
| chr12      | 78392001 | 78397000 | 6.89E-11 |
| chr12      | 78393001 | 78398000 | 1.33E-10 |
| chr12      | 78394001 | 78399000 | 8.50E-10 |
| chr12      | 79068001 | 79073000 | 0.002511083 |
| chr12      | 79183001 | 79188000 | 1.19E-22 |
| chr12      | 79802001 | 79807000 | 0.000170605 |
| chr12      | 79803001 | 79808000 | 0.00041215 |
| chr12      | 79804001 | 79809000 | 4.92E-06 |
| chr12      | 79805001 | 79810000 | 0.000747979 |
| chr12      | 79806001 | 79811000 | 0.001214681 |
| chr12      | 79807001 | 79812000 | 0.000346501 |
| chr12      | 80667001 | 80672000 | 0.004176452 |
| chr12      | 80747001 | 80752000 | 3.11E-05 |
| chr12      | 80748001 | 80753000 | 4.17E-05 |
| chr12      | 80749001 | 80754000 | 0.000722433 |
| chr12      | 80794001 | 80799000 | 0.000687158 |
| chr12      | 80918001 | 80923000 | 1.21E-05 |
| chr12      | 81171001 | 81176000 | 0.000232155 |
| chr12      | 81229001 | 81234000 | 0.001434735 |
| chr12      | 81818001 | 81823000 | 0.002166988 |
| chr12      | 81901001 | 81906000 | 0.00480248 |
| chr12      | 81902001 | 81907000 | 9.68E-05 |
| chr12      | 81925001 | 81930000 | 5.90E-06 |
| chr12      | 82632001 | 82637000 | 0.000576022 |
| chr12      | 82633001 | 82638000 | 7.49E-05 |
| chr12      | 82662001 | 82667000 | 0.000154351 |
| chr12      | 82664001 | 82669000 | 9.49E-07 |
| chr12      | 82665001 | 82670000 | 4.27E-06 |
| chr12      | 83272001 | 83277000 | 1.51E-07 |
| chr12      | 83757001 | 83762000 | 0.00541725 |
| chr12      | 83805001 | 83810000 | 1.80E-07 |
| chr12      | 83806001 | 83811000 | 3.31E-07 |
| chr12      | 83816001 | 83821000 | 0.001687969 |
| chr12      | 84008001 | 84013000 | 0.000115117 |
| chr12      | 84119001 | 84124000 | 2.63E-06 |
| Chr  | Start Position | End Position | Adjusted p-value |
|------|----------------|--------------|------------------|
| chr12| 84236001       | 84241000     | 0.003627791      |
| chr12| 84238001       | 84243000     | 0.010336871      |
| chr12| 84273001       | 84278000     | 0.000199111      |
| chr12| 84993001       | 84998000     | 4.33E-07         |
| chr12| 85067001       | 85072000     | 0.002671809      |
| chr12| 85174001       | 85179000     | 1.86E-10         |
| chr12| 85175001       | 85180000     | 2.72E-09         |
| chr12| 85177001       | 85182000     | 3.07E-09         |
| chr12| 85842001       | 85847000     | 8.95E-06         |
| chr12| 86068001       | 86073000     | 0.006161449      |
| chr12| 86221001       | 86226000     | 0.008082924      |
| chr12| 86375001       | 86380000     | 0.004088838      |
| chr12| 86377001       | 86382000     | 0.004207545      |
| chr12| 86442001       | 86447000     | 0.000724681      |
| chr12| 86560001       | 86565000     | 3.63E-05         |
| chr12| 86775001       | 86780000     | 7.15E-10         |
| chr12| 86776001       | 86781000     | 3.69E-10         |
| chr12| 86851001       | 86856000     | 1.31E-10         |
| chr12| 86907001       | 86912000     | 6.20E-08         |
| chr12| 86908001       | 86913000     | 9.86E-08         |
| chr12| 86909001       | 86914000     | 7.99E-08         |
| chr12| 86911001       | 86916000     | 1.21E-05         |
| chr12| 86997001       | 87002000     | 0.002888095      |
| chr12| 86998001       | 87003000     | 0.003145446      |
| chr12| 86999001       | 87004000     | 0.000709083      |
| chr12| 87000001       | 87005000     | 0.000680326      |
| chr12| 87001001       | 87006000     | 1.21E-05         |
| chr12| 87002001       | 87007000     | 1.75E-05         |
| chr12| 87003001       | 87008000     | 1.01E-05         |
| chr12| 87004001       | 87009000     | 8.10E-05         |
| chr12| 87142001       | 87147000     | 0.018344755      |
| chr12| 87181001       | 87186000     | 0.008402255      |
| chr12| 87339001       | 87344000     | 0.003518592      |
| chr12| 87340001       | 87345000     | 0.005470182      |
| chr12| 87357001       | 87362000     | 1.09E-09         |
| chr12| 87358001       | 87363000     | 3.98E-10         |
| chr12| 87359001       | 87364000     | 3.23E-09         |
| chr12| 87402001       | 87407000     | 6.34E-11         |
| chr12| 87404001       | 87409000     | 2.33E-11         |
| chr12| 87405001       | 87410000     | 1.80E-14         |
| chr12| 87406001       | 87411000     | 3.50E-13         |
| chr12| 87593001       | 87598000     | 0.000147481      |
| chr12| 87594001       | 87599000     | 0.000204029      |
| chr12| 87596001       | 87601000     | 0.000118993      |
| chr12| 87652001       | 87657000     | 0.003243907      |
| chr12| 87653001       | 87658000     | 0.000185635      |
| chr12| 87654001       | 87659000     | 0.000157371      |
| chr12| 87743001       | 87748000     | 0.000122829      |
| chr12     | Start            | End               | p-value       |
|-----------|------------------|-------------------|---------------|
| 87799001  | 87800000         | 87804000          | 8.86E-05      |
| 87893001  | 87896000         | 87898000          | 0.00015018    |
| 88038001  | 88043000         | 88048000          | 0.00165341    |
| 88102001  | 88107000         | 88112000          | 0.001290981   |
| 88151001  | 88156000         | 88159000          | 0.012112501   |
| 88152001  | 88157000         | 88160000          | 0.000104885   |
| 88153001  | 88158000         | 88160000          | 8.44E-05      |
| 88154001  | 88159000         | 88160000          | 0.001828274   |
| 88191001  | 88196000         | 88198000          | 0.001970728   |
| 88345001  | 88350000         | 88355000          | 1.05E-08      |
| 88346001  | 88351000         | 88358000          | 9.36E-11      |
| 88347001  | 88352000         | 88358000          | 2.93E-12      |
| 88945001  | 88950000         | 88955000          | 9.66E-06      |
| 88968001  | 88973000         | 88978000          | 1.24E-08      |
| 89194001  | 89199000         | 89204000          | 0.006385616   |
| 89899001  | 89904000         | 89909000          | 3.50E-07      |
| 89900001  | 89905000         | 89910000          | 2.77E-08      |
| 90916001  | 90921000         | 90926000          | 1.05E-06      |
| 90933001  | 90938000         | 90943000          | 0.00312181    |
| 91501001  | 91506000         | 91511000          | 5.17E-05      |
| 91502001  | 91507000         | 91512000          | 7.97E-05      |
| 91660001  | 91665000         | 91670000          | 0.007538102   |
| 91680001  | 91685000         | 91690000          | 0.00334094    |
| 91707001  | 91712000         | 91717000          | 0.000427037   |
| 91805001  | 91810000         | 91815000          | 0.001112605   |
| 92530001  | 92535000         | 92540000          | 5.72E-08      |
| 93061001  | 93066000         | 93071000          | 6.86E-07      |
| 93062001  | 93067000         | 93072000          | 2.68E-05      |
| 93410001  | 93415000         | 93420000          | 1.88E-07      |
| 94165001  | 94170000         | 94175000          | 5.63E-07      |
| 95333001  | 95338000         | 95343000          | 1.39E-13      |
| 95605001  | 95610000         | 95615000          | 1.02E-08      |
| 95773001  | 95778000         | 95783000          | 1.33E-08      |
| 96231001  | 96236000         | 96241000          | 2.02E-05      |
| 96298001  | 96303000         | 96308000          | 6.11E-16      |
| 97157001  | 97162000         | 97167000          | 4.50E-05      |
| 97405001  | 97410000         | 97415000          | 0.003186947   |
| 97407001  | 97412000         | 97417000          | 0.008285655   |
| 97408001  | 97413000         | 97418000          | 0.011625697   |
| 97678001  | 97683000         | 97688000          | 1.91E-05      |
| 97688001  | 97693000         | 97698000          | 0.000388143   |
| 97689001  | 97694000         | 97699000          | 0.000355316   |
| 97690001  | 97695000         | 97699000          | 8.95E-07      |
| 97691001  | 97696000         | 97699000          | 5.36E-07      |
| 97692001  | 97697000         | 97701000          | 3.45E-06      |
| 97706001  | 97711000         | 97716000          | 2.48E-05      |
| 97815001  | 97820000         | 97825000          | 2.08E-06      |
| Chromosome | Start Position | End Position | Log2 Fold Change |
|------------|----------------|--------------|-----------------|
| chr12      | 97816001       | 97821000     | 3.86E-08        |
| chr12      | 97817001       | 97822000     | 2.58E-08        |
| chr12      | 97818001       | 97823000     | 3.33E-09        |
| chr12      | 97819001       | 97824000     | 7.04E-10        |
| chr12      | 98040001       | 98045000     | 0.000250835     |
| chr12      | 98147001       | 98150000     | 0.000184266     |
| chr12      | 98148001       | 98153000     | 0.000185145     |
| chr12      | 98149001       | 98154000     | 0.006762899     |
| chr12      | 98168001       | 98173000     | 2.47E-09        |
| chr12      | 98169001       | 98174000     | 3.07E-09        |
| chr12      | 98628001       | 98633000     | 3.03E-05        |
| chr12      | 98629001       | 98634000     | 9.98E-06        |
| chr12      | 98630001       | 98635000     | 0.001308217     |
| chr12      | 98662001       | 98667000     | 9.78E-06        |
| chr12      | 98879001       | 98884000     | 0.000853549     |
| chr12      | 98880001       | 98885000     | 1.99E-19        |
| chr12      | 98881001       | 98886000     | 1.19E-19        |
| chr12      | 98882001       | 98887000     | 1.57E-17        |
| chr12      | 98883001       | 98888000     | 6.86E-13        |
| chr12      | 98956001       | 98961000     | 4.75E-17        |
| chr12      | 98957001       | 98962000     | 1.26E-19        |
| chr12      | 98958001       | 98963000     | 1.42E-22        |
| chr12      | 98959001       | 98964000     | 9.51E-28        |
| chr12      | 98960001       | 98965000     | 1.18E-28        |
| chr12      | 99040001       | 99045000     | 1.33E-08        |
| chr12      | 99234001       | 99239000     | 0.000104545     |
| chr12      | 99375001       | 99380000     | 2.79E-06        |
| chr12      | 99466001       | 99471000     | 1.52E-05        |
| chr12      | 99467001       | 99472000     | 2.73E-05        |
| chr12      | 99468001       | 99473000     | 2.13E-05        |
| chr12      | 99475001       | 99480000     | 2.11E-06        |
| chr12      | 99481001       | 99486000     | 3.70E-05        |
| chr12      | 99615001       | 99620000     | 5.34E-05        |
| chr12      | 99616001       | 99621000     | 6.71E-05        |
| chr12      | 99691001       | 99696000     | 8.44E-06        |
| chr12      | 99835001       | 99840000     | 0.000421976     |
| chr12      | 99836001       | 99841000     | 0.002184686     |
| chr12      | 99913001       | 99918000     | 1.82E-05        |
| chr12      | 99928001       | 99933000     | 0.000170183     |
| chr12      | 100237001      | 100242000    | 0.00024224      |
| chr12      | 100238001      | 100243000    | 4.35E-05        |
| chr12      | 100239001      | 100244000    | 3.10E-05        |
| chr12      | 100241001      | 100246000    | 0.000283701     |
| chr12      | 100265001      | 100270000    | 0.00052956      |
| chr12      | 100327001      | 100332000    | 0.000561222     |
| chr12      | 100328001      | 100333000    | 0.000262994     |
| chr12      | 100362001      | 100367000    | 8.25E-05        |
| chr12      | 100759001      | 100764000    | 2.00E-05        |
| chr12 | start | end   | p_value  |
|-------|-------|-------|----------|
| 100760001 | 100765000 | 1.31E-06 |
| 10126001 | 101265000 | 3.02E-06 |
| 101234001 | 101239000 | 0.000641124 |
| 101235001 | 101239000 | 1.14E-07 |
| 10133001 | 101335000 | 7.24E-08 |
| 101334001 | 101339000 | 3.74E-08 |
| 101216001 | 101221000 | 3.02E-06 |
| 101334001 | 101339000 | 0.000641124 |
| 101335001 | 101340000 | 1.14E-07 |
| 101336001 | 101341000 | 8.84E-08 |
| 101344001 | 101349000 | 3.07E-08 |
| 101345001 | 101350000 | 3.70E-07 |
| 101334001 | 101339000 | 3.74E-08 |
| 101335001 | 101340000 | 1.14E-07 |
| 101336001 | 101341000 | 8.84E-08 |
| 101344001 | 101349000 | 3.07E-08 |
| 101345001 | 101350000 | 3.70E-07 |
| 101578001 | 101583000 | 4.64E-08 |
| 101666001 | 101671000 | 1.38E-07 |
| 101667001 | 101672000 | 4.84E-08 |
| 102829001 | 102834000 | 5.47E-05 |
| 104668001 | 104673000 | 3.58E-14 |
| 104669001 | 104674000 | 7.69E-12 |
| 104670001 | 104675000 | 2.67E-08 |
| 104761001 | 104766000 | 1.18E-08 |
| 104762001 | 104767000 | 7.65E-10 |
| 104763001 | 104768000 | 1.67E-09 |
| 104764001 | 104769000 | 1.13E-09 |
| 104765001 | 104770000 | 7.19E-08 |
| 104794001 | 104799000 | 0.004326446 |
| 105189001 | 105194000 | 4.71E-07 |
| 106681001 | 106686000 | 2.40E-10 |
| 107132001 | 107137000 | 3.41E-11 |
| 107162001 | 107167000 | 2.16E-08 |
| 107504001 | 107509000 | 2.24E-05 |
| 107524001 | 107529000 | 6.82E-07 |
| 107525001 | 107530000 | 2.38E-05 |
| 107696001 | 107701000 | 6.65E-05 |
| 107697001 | 107702000 | 0.000112001 |
| 107716001 | 107721000 | 0.000192286 |
| 107717001 | 107722000 | 0.00027402 |
| 107871001 | 107876000 | 4.34E-07 |
| 107874001 | 107879000 | 6.52E-07 |
| 107877001 | 107882000 | 3.48E-11 |
| 107887001 | 107883000 | 3.04E-10 |
| 107879001 | 107884000 | 0.000109033 |
| 107880001 | 107885000 | 9.04E-06 |
| 108044001 | 108049000 | 2.27E-17 |
| 108046001 | 108051000 | 5.51E-09 |
| 108232001 | 108237000 | 1.99E-05 |
| 108370001 | 108375000 | 0.000950301 |
| 108371001 | 108376000 | 0.00020184 |
| 109002001 | 109007000 | 3.10E-10 |
| Chr | Start | End   | P-value   |
|-----|-------|-------|-----------|
| 12  | 109269001 | 109274000 | 1.62E-05  |
| 12  | 10942001  | 109425000 | 0.008112839 |
| 12  | 109421001  | 109426000 | 0.000453277 |
| 12  | 110161001  | 110166000 | 6.55E-06  |
| 12  | 110773001  | 110778000 | 1.20E-09  |
| 12  | 111015001  | 111020000 | 6.42E-15  |
| 12  | 111299001  | 111304000 | 0.00130698 |
| 12  | 111417001  | 111422000 | 1.50E-11  |
| 12  | 111474001  | 111479000 | 2.75E-18  |
| 12  | 111475001  | 111480000 | 2.98E-22  |
| 12  | 111476001  | 111481000 | 1.63E-21  |
| 12  | 111512001  | 111517000 | 9.45E-15  |
| 12  | 111513001  | 111518000 | 5.40E-17  |
| 12  | 111593001  | 111598000 | 1.22E-07  |
| 12  | 111611001  | 111616000 | 4.75E-11  |
| 12  | 111746001  | 111751000 | 7.88E-07  |
| 12  | 111747001  | 111752000 | 1.29E-06  |
| 12  | 112565001  | 112570000 | 6.26E-18  |
| 12  | 112566001  | 112571000 | 8.20E-13  |
| 12  | 112567001  | 112572000 | 3.61E-12  |
| 12  | 113131001  | 113136000 | 0.000134402 |
| 12  | 113157001  | 113162000 | 0.000156188 |
| 12  | 113211001  | 113216000 | 1.31E-08  |
| 12  | 113214001  | 113219000 | 3.55E-10  |
| 12  | 113215001  | 113220000 | 5.42E-11  |
| 12  | 113269001  | 113274000 | 8.56E-05  |
| 12  | 113526001  | 113531000 | 6.11E-10  |
| 12  | 113528001  | 113533000 | 7.91E-10  |
| 12  | 113624001  | 113629000 | 1.13E-06  |
| 12  | 113864001  | 113869000 | 1.95E-12  |
| 12  | 114979001  | 114984000 | 9.84E-08  |
| 12  | 114980001  | 114985000 | 4.92E-08  |
| 12  | 116994001  | 116999000 | 1.81E-09  |
| 12  | 117526001  | 117531000 | 1.30E-06  |
| 12  | 117586001  | 117591000 | 1.97E-16  |
| 12  | 117587001  | 117592000 | 8.28E-20  |
| 12  | 119063001  | 119068000 | 0.000866694 |
| 12  | 119184001  | 119189000 | 0.000782224 |
| 12  | 119185001  | 119190000 | 7.46E-05  |
| 12  | 119295001  | 119300000 | 2.42E-06  |
| 12  | 119467001  | 119472000 | 5.11E-05  |
| 12  | 120445001  | 120450000 | 2.68E-12  |
| 12  | 120446001  | 120451000 | 5.73E-10  |
| 12  | 120558001  | 120563000 | 2.48E-06  |
| 12  | 120708001  | 120713000 | 3.73E-09  |
| 12  | 120709001  | 120714000 | 7.04E-14  |
| 12  | 121102001  | 121107000 | 1.47E-09  |
| Chr  | Start   | End     | P-value   |
|------|---------|---------|-----------|
| chr12| 12136001| 121368000| 5.90E-05  |
| chr12| 121398001| 121403000| 1.04E-09  |
| chr12| 121684001| 121689000| 3.44E-35  |
| chr12| 121685001| 121690000| 1.14E-31  |
| chr12| 121686001| 121691000| 3.41E-31  |
| chr12| 121687001| 121692000| 3.78E-30  |
| chr12| 122026001| 122031000| 1.05E-22  |
| chr12| 122027001| 122032000| 2.73E-20  |
| chr12| 122102001| 122107000| 2.56E-07  |
| chr12| 122103001| 122108000| 1.13E-08  |
| chr12| 122137001| 122142000| 1.01E-14  |
| chr12| 122219001| 122224000| 6.25E-19  |
| chr12| 122317001| 122322000| 0.000295435|
| chr12| 122430001| 122435000| 7.53E-18  |
| chr12| 123467001| 123472000| 1.06E-07  |
| chr12| 123624001| 123629000| 1.93E-08  |
| chr12| 123850001| 123855000| 9.42E-16  |
| chr12| 124551001| 124556000| 2.57E-10  |
| chr12| 124794001| 124799000| 9.49E-14  |
| chr12| 124795001| 124800000| 8.88E-15  |
| chr12| 126377001| 126382000| 1.31E-16  |
| chr12| 126378001| 126383000| 3.55E-15  |
| chr12| 127014001| 127019000| 2.59E-05  |
| chr12| 127022001| 127027000| 0.000132502|
| chr12| 127023001| 127028000| 7.79E-05  |
| chr12| 127061001| 127066000| 0.000741756|
| chr12| 127707001| 127712000| 0.020507049|
| chr12| 127708001| 127713000| 0.009597516|
| chr12| 128058001| 128063000| 4.71E-09  |
| chr12| 128059001| 128064000| 4.30E-08  |
| chr12| 128060001| 128065000| 3.71E-12  |
| chr12| 128123001| 128128000| 0.000238522|
| chr12| 128904001| 128909000| 1.27E-09  |
| chr12| 128941001| 128946000| 1.16E-06  |
| chr12| 129717001| 129722000| 4.08E-05  |
| chr12| 130504001| 130509000| 1.27E-07  |
| chr12| 131436001| 131441000| 1.09E-22  |
| chr12| 132360001| 132365000| 1.07E-08  |
| chr12| 132669001| 132674000| 9.98E-11  |
| chr12| 132815001| 132820000| 4.05E-10  |
| chr12| 133116001| 133121000| 4.91E-16  |
| chr12| 133161001| 133166000| 2.85E-11  |
| chr12| 133162001| 133167000| 2.04E-07  |
| chr13| 19139001 | 191440000| 5.66E-09  |
| chr13| 19140001 | 191450000| 1.20E-07  |
| chr13| 19141001 | 191460000| 1.04E-05  |
| chr13| 19142001 | 191470000| 1.54E-10  |
| chr13| 19145001 | 191500000| 0.004459469|
| Chromosome | Start | End   | p-value   |
|------------|-------|-------|-----------|
| chr13      | 20092001 | 20097000 | 3.90E-07  |
| chr13      | 23334001 | 23339000 | 3.41E-13  |
| chr13      | 23335001 | 23340000 | 2.59E-12  |
| chr13      | 23394001 | 23399000 | 0.000462224 |
| chr13      | 23575001 | 23580000 | 2.14E-05  |
| chr13      | 23576001 | 23581000 | 6.61E-05  |
| chr13      | 23598001 | 23603000 | 0.005383615 |
| chr13      | 23610001 | 23615000 | 0.000188241 |
| chr13      | 24482001 | 24487000 | 0.001055807 |
| chr13      | 24483001 | 24488000 | 0.000411215 |
| chr13      | 24484001 | 24489000 | 9.39E-06  |
| chr13      | 24905001 | 24910000 | 0.003052857 |
| chr13      | 25601001 | 25606000 | 3.92E-05  |
| chr13      | 25683001 | 25688000 | 0.000458658 |
| chr13      | 25992001 | 25997000 | 0.00047573 |
| chr13      | 25993001 | 25998000 | 1.91E-05  |
| chr13      | 27238001 | 27243000 | 9.42E-06  |
| chr13      | 27239001 | 27244000 | 5.40E-05  |
| chr13      | 28090001 | 28095000 | 4.97E-08  |
| chr13      | 28432001 | 28437000 | 3.22E-08  |
| chr13      | 28434001 | 28439000 | 0.000251749 |
| chr13      | 28483001 | 28488000 | 1.66E-06  |
| chr13      | 28484001 | 28489000 | 1.60E-06  |
| chr13      | 29090001 | 29095000 | 0.000731388 |
| chr13      | 30382001 | 30387000 | 0.000552029 |
| chr13      | 30965001 | 30970000 | 9.51E-12  |
| chr13      | 30966001 | 30971000 | 3.64E-15  |
| chr13      | 31049001 | 31054000 | 3.65E-05  |
| chr13      | 31186001 | 31191000 | 0.001765751 |
| chr13      | 32056001 | 32061000 | 0.003484222 |
| chr13      | 32267001 | 32272000 | 0.001711928 |
| chr13      | 32287001 | 32292000 | 5.77E-06  |
| chr13      | 32288001 | 32293000 | 9.35E-06  |
| chr13      | 32335001 | 32340000 | 0.000262934 |
| chr13      | 32336001 | 32341000 | 0.001985187 |
| chr13      | 32501001 | 32506000 | 6.86E-06  |
| chr13      | 33425001 | 33430000 | 8.23E-06  |
| chr13      | 33426001 | 33431000 | 0.003150595 |
| chr13      | 33626001 | 33631000 | 1.44E-06  |
| chr13      | 33852001 | 33857000 | 0.006433785 |
| chr13      | 33982001 | 33987000 | 0.000222938 |
| chr13      | 34565001 | 34570000 | 7.84E-05  |
| chr13      | 34566001 | 34571000 | 8.85E-07  |
| chr13      | 34567001 | 34572000 | 1.03E-07  |
| chr13      | 34573001 | 34578000 | 7.65E-10  |
| chr13      | 34650001 | 34655000 | 3.20E-08  |
| chr13      | 34682001 | 34687000 | 1.31E-06  |
| chr13      | 34683001 | 34688000 | 2.88E-08  |
| Chr  | Start | End   | P-value  |
|------|-------|-------|----------|
| chr13| 34684001 | 34689000 | 5.60E-08 |
| chr13| 34685001 | 34690000 | 6.55E-08 |
| chr13| 34723001 | 34728000 | 2.69E-06 |
| chr13| 34775001 | 34780000 | 7.93E-07 |
| chr13| 34776001 | 34781000 | 5.12E-07 |
| chr13| 34777001 | 34782000 | 6.48E-09 |
| chr13| 34783001 | 34793000 | 1.50E-07 |
| chr13| 34789001 | 34794000 | 2.85E-07 |
| chr13| 34790001 | 34795000 | 1.16E-07 |
| chr13| 34791001 | 34796000 | 0.001572154 |
| chr13| 34795001 | 34800000 | 4.21E-05 |
| chr13| 34796001 | 34801000 | 2.94E-05 |
| chr13| 34936001 | 34941000 | 0.000846959 |
| chr13| 34931001 | 34936000 | 0.009331577 |
| chr13| 34934001 | 34939000 | 2.23E-06 |
| chr13| 35240001 | 35245000 | 0.000566908 |
| chr13| 35245001 | 35250000 | 0.000178297 |
| chr13| 35250001 | 35255000 | 4.30E-05 |
| chr13| 35254001 | 35259000 | 7.69E-05 |
| chr13| 35925001 | 35930000 | 0.000107307 |
| chr13| 35931001 | 35936000 | 0.000235748 |
| chr13| 35932001 | 35937000 | 3.42E-06 |
| chr13| 35937001 | 35942000 | 0.0001510031 |
| chr13| 35942001 | 35947000 | 0.000298866 |
| chr13| 35947001 | 35952000 | 0.00019624 |
| chr13| 35952001 | 35957000 | 6.85E-08 |
| chr13| 35957001 | 36019000 | 1.35E-08 |
| chr13 | 36203001 | 36208000 | 7.10E-11 |
| chr13 | 36204001 | 36209000 | 1.34E-12 |
| chr13 | 36205001 | 36210000 | 8.00E-12 |
| chr13 | 36206001 | 36211000 | 2.10E-10 |
| chr13 | 36338001 | 36343000 | 1.66E-10 |
| chr13 | 36365001 | 36370000 | 5.63E-09 |
| chr13 | 36366001 | 36371000 | 1.08E-09 |
| chr13 | 36367001 | 36372000 | 4.35E-10 |
| chr13 | 36368001 | 36373000 | 6.34E-14 |
| chr13 | 36369001 | 36374000 | 9.23E-10 |
| chr13 | 36458001 | 36463000 | 1.59E-06 |
| chr13 | 36459001 | 36464000 | 2.64E-06 |
| chr13 | 36460001 | 36465000 | 1.43E-06 |
| chr13 | 36500001 | 36505000 | 0.000181254 |
| chr13 | 36501001 | 36506000 | 1.71E-05 |
| chr13 | 36503001 | 36508000 | 6.00E-07 |
| chr13 | 36507001 | 36512000 | 1.00E-10 |
| chr13 | 36520001 | 36525000 | 1.12E-07 |
| chr13 | 36550001 | 36555000 | 5.56E-12 |
| chr13 | 36551001 | 36556000 | 2.98E-09 |
| chr13 | 36595001 | 36600000 | 8.39E-05 |
| chr13 | 36596001 | 36601000 | 4.25E-06 |
| chr13 | 36597001 | 36602000 | 7.83E-07 |
| chr13 | 36625001 | 36630000 | 7.55E-05 |
| chr13 | 36626001 | 36631000 | 0.000187596 |
| chr13 | 36784001 | 36789000 | 3.26E-12 |
| chr13 | 36802001 | 36807000 | 0.00112324 |
| chr13 | 36806001 | 36811000 | 0.001793397 |
| chr13 | 36933001 | 36938000 | 3.15E-05 |
| chr13 | 36948001 | 36953000 | 0.000306712 |
| chr13 | 37205001 | 37210000 | 0.001921421 |
| chr13 | 37505001 | 37510000 | 3.87E-08 |
| chr13 | 37790001 | 37795000 | 0.001065576 |
| chr13 | 37710001 | 37715000 | 0.000152406 |
| chr13 | 37712001 | 37717000 | 0.000178208 |
| chr13 | 37713001 | 37718000 | 0.000187747 |
| chr13 | 37714001 | 37719000 | 0.00206226 |
| chr13 | 37765001 | 37770000 | 1.78E-05 |
| chr13 | 37850001 | 37855000 | 3.40E-08 |
| chr13 | 37871001 | 37876000 | 1.92E-07 |
| chr13 | 37872001 | 37877000 | 5.75E-09 |
| chr13 | 37937001 | 37942000 | 1.02E-05 |
| chr13 | 38012001 | 38017000 | 5.19E-07 |
| chr13 | 38013001 | 38018000 | 4.35E-07 |
| chr13 | 38014001 | 38019000 | 3.43E-07 |
| chr13 | 38020001 | 38025000 | 8.16E-06 |
| chr13 | 38021001 | 38026000 | 9.75E-05 |
| chr13 | 38052001 | 38057000 | 2.43E-06 |
| Chromosome | Start Position | End Position | Value       |
|------------|----------------|--------------|-------------|
| chr13      | 40402001       | 40407000     | 6.87E-05    |
| chr13      | 41557001       | 41562000     | 4.30E-13    |
| chr13      | 41565001       | 41570000     | 4.98E-06    |
| chr13      | 41567001       | 41572000     | 3.86E-10    |
| chr13      | 41568001       | 41573000     | 1.07E-09    |
| chr13      | 41575001       | 41580000     | 0.001182514 |
| chr13      | 41714001       | 41719000     | 7.86E-07    |
| chr13      | 42226001       | 42231000     | 0.00021491  |
| chr13      | 43227001       | 43232000     | 1.66E-05    |
| chr13      | 43228001       | 43233000     | 2.00E-09    |
| chr13      | 43294001       | 43299000     | 0.003033958 |
| chr13      | 43804001       | 43809000     | 1.04E-05    |
| chr13      | 43848001       | 43853000     | 2.05E-06    |
| chr13      | 43938001       | 43943000     | 3.61E-10    |
| chr13      | 43939001       | 43944000     | 6.64E-06    |
| chr13      | 43985001       | 43990000     | 2.13E-14    |
| chr13      | 44042001       | 44047000     | 0.003066541 |
| chr13      | 44044001       | 44049000     | 0.000108133 |
| chr13      | 44045001       | 44050000     | 0.000967694 |
| chr13      | 44046001       | 44051000     | 0.00289682  |
| chr13      | 44369001       | 44374000     | 0.000130513 |
| chr13      | 44370001       | 44375000     | 0.000249467 |
| chr13      | 44371001       | 44376000     | 0.00236297  |
| chr13      | 44477001       | 44482000     | 0.000136418 |
| chr13      | 44478001       | 44483000     | 4.72E-05    |
| chr13      | 44580001       | 44585000     | 0.002493806 |
| chr13      | 44598001       | 44603000     | 9.45E-07    |
| chr13      | 45221001       | 45226000     | 6.19E-05    |
| chr13      | 45627001       | 45632000     | 4.33E-12    |
| chr13      | 45629001       | 45634000     | 7.56E-11    |
| chr13      | 45630001       | 45635000     | 4.06E-10    |
| chr13      | 45695001       | 45700000     | 1.45E-14    |
| chr13      | 46437001       | 46442000     | 9.40E-08    |
| chr13      | 46644001       | 46649000     | 8.77E-05    |
| chr13      | 46646001       | 46651000     | 0.000256224 |
| chr13      | 46802001       | 46807000     | 3.44E-06    |
| chr13      | 46804001       | 46809000     | 3.85E-05    |
| chr13      | 47095001       | 47100000     | 0.000267314 |
| chr13      | 47402001       | 47407000     | 1.26E-07    |
| chr13      | 47787001       | 47792000     | 0.000233662 |
| chr13      | 47788001       | 47793000     | 0.000248303 |
| chr13      | 47789001       | 47794000     | 0.000407649 |
| chr13      | 48010001       | 48015000     | 2.35E-05    |
| chr13      | 48017001       | 48022000     | 0.000416529 |
| chr13      | 48018001       | 48023000     | 3.15E-05    |
| chr13      | 48227001       | 48232000     | 0.000963445 |
| chr13      | 48236001       | 48241000     | 0.001105915 |
| chr13      | 48252001       | 48257000     | 7.38E-05    |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr13      | 48281001       | 48286000     | 1.63E-07 |
| chr13      | 48282001       | 48287000     | 7.10E-05 |
| chr13      | 48385001       | 48390000     | 0.000498091 |
| chr13      | 48463001       | 48468000     | 5.56E-09 |
| chr13      | 48464001       | 48469000     | 7.95E-06 |
| chr13      | 48814001       | 48819000     | 7.30E-05 |
| chr13      | 49178001       | 49183000     | 0.000130799 |
| chr13      | 49179001       | 49184000     | 0.000228605 |
| chr13      | 49501001       | 49506000     | 2.91E-15 |
| chr13      | 49516001       | 49521000     | 5.05E-05 |
| chr13      | 49874001       | 49879000     | 0.00173353 |
| chr13      | 50657001       | 50662000     | 5.79E-11 |
| chr13      | 50928001       | 50933000     | 6.93E-06 |
| chr13      | 50929001       | 50934000     | 4.36E-07 |
| chr13      | 50930001       | 50935000     | 5.33E-13 |
| chr13      | 50931001       | 50936000     | 3.93E-15 |
| chr13      | 51809001       | 51814000     | 1.23E-06 |
| chr13      | 53060001       | 53065000     | 9.54E-09 |
| chr13      | 53113001       | 53118000     | 6.86E-07 |
| chr13      | 53114001       | 53119000     | 1.68E-06 |
| chr13      | 53333001       | 53338000     | 1.26E-07 |
| chr13      | 53366001       | 53371000     | 4.61E-07 |
| chr13      | 53408001       | 53413000     | 2.84E-06 |
| chr13      | 53569001       | 53574000     | 4.34E-07 |
| chr13      | 53683001       | 53688000     | 2.32E-06 |
| chr13      | 53699001       | 53704000     | 9.51E-07 |
| chr13      | 53700001       | 53705000     | 1.15E-07 |
| chr13      | 53701001       | 53706000     | 1.27E-05 |
| chr13      | 53720001       | 53725000     | 7.26E-08 |
| chr13      | 53740001       | 53745000     | 4.53E-05 |
| chr13      | 53741001       | 53746000     | 0.007703285 |
| chr13      | 53766001       | 53771000     | 0.000203683 |
| chr13      | 53779001       | 53784000     | 0.004892116 |
| chr13      | 53785001       | 53790000     | 0.000558926 |
| chr13      | 53786001       | 53791000     | 0.000657254 |
| chr13      | 53787001       | 53792000     | 0.001351713 |
| chr13      | 53805001       | 53810000     | 3.52E-08 |
| chr13      | 53821001       | 53826000     | 3.46E-07 |
| chr13      | 53822001       | 53827000     | 4.72E-07 |
| chr13      | 53823001       | 53828000     | 2.69E-06 |
| chr13      | 53824001       | 53829000     | 1.96E-06 |
| chr13      | 53925001       | 53930000     | 2.50E-06 |
| chr13      | 53960001       | 53965000     | 0.000750237 |
| chr13      | 54003001       | 54008000     | 1.42E-05 |
| chr13      | 54195001       | 54200000     | 9.75E-17 |
| chr13      | 54196001       | 54201000     | 2.07E-18 |
| chr13      | 54197001       | 54202000     | 1.99E-18 |
| chr13      | 54198001       | 54203000     | 7.61E-25 |
| Chrom | Start Position | End Position | p-value |
|-------|----------------|--------------|---------|
| chr13 | 54199001       | 54204000     | 2.76E-19 |
| chr13 | 54269001       | 54274000     | 0.000594112 |
| chr13 | 54314001       | 54319000     | 0.000242817 |
| chr13 | 54315001       | 54320000     | 0.000270045 |
| chr13 | 54316001       | 54321000     | 0.000188835 |
| chr13 | 54485001       | 54490000     | 4.79E-05 |
| chr13 | 54512001       | 54517000     | 0.004010574 |
| chr13 | 54513001       | 54518000     | 0.001433814 |
| chr13 | 54515001       | 54520000     | 0.000514565 |
| chr13 | 54516001       | 54521000     | 0.000247612 |
| chr13 | 55088001       | 55093000     | 0.000873061 |
| chr13 | 55089001       | 55094000     | 0.000127227 |
| chr13 | 55306001       | 55311000     | 1.59E-18 |
| chr13 | 55505001       | 55510000     | 8.01E-07 |
| chr13 | 55524001       | 55529000     | 0.002964356 |
| chr13 | 55556001       | 55561000     | 0.002929488 |
| chr13 | 55557001       | 55562000     | 0.003105005 |
| chr13 | 55564001       | 55569000     | 2.64E-05 |
| chr13 | 55565001       | 55570000     | 7.92E-07 |
| chr13 | 55820001       | 55825000     | 0.000680496 |
| chr13 | 55892001       | 55897000     | 0.001277823 |
| chr13 | 56020001       | 56025000     | 4.34E-08 |
| chr13 | 56021001       | 56026000     | 1.98E-06 |
| chr13 | 56109001       | 56114000     | 0.002741958 |
| chr13 | 56110001       | 56115000     | 0.00024161 |
| chr13 | 56111001       | 56116000     | 0.000671742 |
| chr13 | 56268001       | 56273000     | 0.000963445 |
| chr13 | 56450001       | 56455000     | 8.41E-08 |
| chr13 | 56451001       | 56456000     | 1.03E-06 |
| chr13 | 56461001       | 56466000     | 5.99E-05 |
| chr13 | 56579001       | 56584000     | 0.001196341 |
| chr13 | 56598001       | 56603000     | 0.002842611 |
| chr13 | 56717001       | 56722000     | 7.41E-07 |
| chr13 | 56718001       | 56723000     | 1.49E-07 |
| chr13 | 56871001       | 56876000     | 0.007619693 |
| chr13 | 56872001       | 56877000     | 0.000816545 |
| chr13 | 56873001       | 56878000     | 0.001017458 |
| chr13 | 56899001       | 56904000     | 0.000582181 |
| chr13 | 56900001       | 56905000     | 0.000602804 |
| chr13 | 56901001       | 56906000     | 3.29E-05 |
| chr13 | 57152001       | 57157000     | 0.001187819 |
| chr13 | 57153001       | 57158000     | 0.000657671 |
| chr13 | 57160001       | 57165000     | 2.86E-06 |
| chr13 | 57664001       | 57669000     | 0.000103547 |
| chr13 | 57756001       | 57761000     | 0.000185049 |
| chr13 | 58594001       | 58599000     | 3.19E-08 |
| chr13 | 58595001       | 58600000     | 3.80E-09 |
| Chromosome | Start | End   | P-value     |
|------------|-------|-------|-------------|
| chr13      | 58596001 | 58601000 | 9.49E-09    |
| chr13      | 58829001 | 58834000 | 2.76E-16    |
| chr13      | 58830001 | 58835000 | 3.04E-17    |
| chr13      | 58831001 | 58836000 | 6.12E-16    |
| chr13      | 58832001 | 58837000 | 4.75E-12    |
| chr13      | 58833001 | 58838000 | 2.67E-10    |
| chr13      | 58869001 | 58874000 | 2.72E-05    |
| chr13      | 58870001 | 58875000 | 1.23E-05    |
| chr13      | 58871001 | 58876000 | 0.0019154   |
| chr13      | 58887001 | 58892000 | 0.000546241 |
| chr13      | 58907001 | 58912000 | 6.78E-06    |
| chr13      | 59010001 | 59015000 | 2.31E-05    |
| chr13      | 59011001 | 59016000 | 2.96E-06    |
| chr13      | 59012001 | 59017000 | 1.22E-06    |
| chr13      | 59018001 | 59023000 | 0.000261155 |
| chr13      | 59043001 | 59048000 | 0.001430233 |
| chr13      | 59301001 | 59306000 | 6.97E-05    |
| chr13      | 59656001 | 59661000 | 6.32E-13    |
| chr13      | 59986001 | 59991000 | 3.43E-06    |
| chr13      | 59987001 | 59992000 | 5.56E-05    |
| chr13      | 60763001 | 60768000 | 0.000388287 |
| chr13      | 60765001 | 60770000 | 0.001571862 |
| chr13      | 60809001 | 60814000 | 3.06E-07    |
| chr13      | 60810001 | 60815000 | 1.66E-06    |
| chr13      | 60909001 | 60914000 | 0.000823252 |
| chr13      | 61326001 | 61331000 | 1.00E-09    |
| chr13      | 61328001 | 61333000 | 2.68E-11    |
| chr13      | 61462001 | 61467000 | 0.006843416 |
| chr13      | 61463001 | 61468000 | 0.001251042 |
| chr13      | 61464001 | 61469000 | 4.18E-05    |
| chr13      | 61465001 | 61470000 | 7.86E-05    |
| chr13      | 61538001 | 61543000 | 2.18E-05    |
| chr13      | 61540001 | 61545000 | 0.000849849 |
| chr13      | 61541001 | 61546000 | 0.000136235 |
| chr13      | 61576001 | 61581000 | 6.76E-08    |
| chr13      | 61593001 | 61598000 | 0.002173153 |
| chr13      | 61594001 | 61599000 | 6.76E-08    |
| chr13      | 61595001 | 61600000 | 3.99E-10    |
| chr13      | 61597001 | 61602000 | 8.95E-10    |
| chr13      | 61605001 | 61610000 | 0.001598618 |
| chr13      | 61717001 | 61722000 | 0.000125859 |
| chr13      | 61720001 | 61725000 | 1.86E-05    |
| chr13      | 61736001 | 61741000 | 0.000576031 |
| chr13      | 61737001 | 61742000 | 0.000293547 |
| chr13      | 61751001 | 61756000 | 9.76E-07    |
| chr13      | 61752001 | 61757000 | 3.06E-07    |
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|---------------|
| chr13      | 61753001 | 61758000 | 6.35E-07     |
| chr13      | 61915001 | 61920000 | 0.00187308   |
| chr13      | 61916001 | 61921000 | 0.002433978  |
| chr13      | 62233001 | 62238000 | 0.001330767  |
| chr13      | 62525001 | 62530000 | 0.000240732  |
| chr13      | 62607001 | 62612000 | 1.72E-08     |
| chr13      | 62608001 | 62613000 | 0.000159849  |
| chr13      | 62626001 | 62631000 | 2.31E-05     |
| chr13      | 62764001 | 62769000 | 4.20E-08     |
| chr13      | 62774001 | 62779000 | 2.53E-09     |
| chr13      | 62879001 | 62884000 | 0.001647978  |
| chr13      | 62888001 | 62893000 | 3.73E-05     |
| chr13      | 62925001 | 62930000 | 4.98E-13     |
| chr13      | 62926001 | 62931000 | 2.23E-12     |
| chr13      | 63013001 | 63018000 | 3.90E-12     |
| chr13      | 63014001 | 63019000 | 3.99E-11     |
| chr13      | 63015001 | 63020000 | 3.40E-08     |
| chr13      | 63059001 | 63064000 | 0.000418507  |
| chr13      | 63095001 | 63100000 | 0.014023115  |
| chr13      | 63275001 | 63280000 | 2.96E-05     |
| chr13      | 63276001 | 63281000 | 5.69E-05     |
| chr13      | 63277001 | 63282000 | 0.000126341  |
| chr13      | 63278001 | 63283000 | 0.000300529  |
| chr13      | 63288001 | 63293000 | 0.014901771  |
| chr13      | 63289001 | 63294000 | 0.015697907  |
| chr13      | 63296001 | 63301000 | 0.015449874  |
| chr13      | 63313001 | 63318000 | 3.91E-05     |
| chr13      | 63314001 | 63319000 | 4.17E-05     |
| chr13      | 63360001 | 63365000 | 1.89E-07     |
| chr13      | 63361001 | 63366000 | 6.98E-05     |
| chr13      | 63407001 | 63412000 | 6.31E-08     |
| chr13      | 63437001 | 63442000 | 4.03E-07     |
| chr13      | 63438001 | 63443000 | 3.90E-11     |
| chr13      | 63439001 | 63444000 | 1.11E-10     |
| chr13      | 63624001 | 63629000 | 0.000183915  |
| chr13      | 63849001 | 63854000 | 8.83E-05     |
| chr13      | 63851001 | 63856000 | 0.000185271  |
| chr13      | 63852001 | 63857000 | 0.011283887  |
| chr13      | 64011001 | 64016000 | 6.89E-05     |
| chr13      | 64014001 | 64019000 | 0.00052531   |
| chr13      | 64306001 | 64311000 | 0.000716788  |
| chr13      | 64441001 | 64446000 | 3.65E-05     |
| chr13      | 64442001 | 64447000 | 0.000275024  |
| chr13      | 64628001 | 64633000 | 0.006007915  |
| chr13      | 64629001 | 64634000 | 0.000261448  |
| chr13      | 64932001 | 64937000 | 0.000466263  |
| chr13      | 64933001 | 64938000 | 0.000370224  |
| chr13      | 65046001 | 65051000 | 0.001643431  |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr13      | 65047001       | 65052000     | 0.001524765 |
| chr13      | 65242001       | 65247000     | 9.19E-06 |
| chr13      | 65243001       | 65248000     | 3.97E-07 |
| chr13      | 65255001       | 65260000     | 1.84E-05 |
| chr13      | 65256001       | 65261000     | 6.94E-05 |
| chr13      | 65257001       | 65262000     | 7.33E-06 |
| chr13      | 65258001       | 65263000     | 3.06E-06 |
| chr13      | 65259001       | 65264000     | 8.15E-05 |
| chr13      | 65300001       | 65305000     | 7.62E-09 |
| chr13      | 65356001       | 65361000     | 0.027241407 |
| chr13      | 65357001       | 65362000     | 0.0016905 |
| chr13      | 65378001       | 65383000     | 1.68E-06 |
| chr13      | 65814001       | 65819000     | 7.37E-05 |
| chr13      | 65815001       | 65820000     | 8.33E-05 |
| chr13      | 65844001       | 65849000     | 4.37E-06 |
| chr13      | 65847001       | 65852000     | 3.40E-06 |
| chr13      | 65944001       | 65949000     | 1.30E-07 |
| chr13      | 65945001       | 65950000     | 7.57E-06 |
| chr13      | 65946001       | 65951000     | 1.31E-09 |
| chr13      | 66174001       | 66179000     | 0.000432261 |
| chr13      | 66305001       | 66310000     | 0.00083683 |
| chr13      | 66306001       | 66311000     | 0.000178897 |
| chr13      | 66344001       | 66349000     | 0.022874457 |
| chr13      | 66345001       | 66350000     | 0.006364425 |
| chr13      | 66392001       | 66397000     | 2.48E-05 |
| chr13      | 66456001       | 66461000     | 0.007053813 |
| chr13      | 66457001       | 66462000     | 4.49E-07 |
| chr13      | 66458001       | 66463000     | 4.11E-07 |
| chr13      | 66459001       | 66464000     | 3.90E-07 |
| chr13      | 66472001       | 66477000     | 0.004273059 |
| chr13      | 66483001       | 66488000     | 2.04E-08 |
| chr13      | 66484001       | 66489000     | 9.13E-07 |
| chr13      | 66529001       | 66534000     | 6.64E-05 |
| chr13      | 66542001       | 66547000     | 4.46E-10 |
| chr13      | 66543001       | 66548000     | 1.72E-09 |
| chr13      | 66545001       | 66550000     | 1.26E-09 |
| chr13      | 66546001       | 66551000     | 2.55E-10 |
| chr13      | 66556001       | 66561000     | 1.09E-05 |
| chr13      | 66557001       | 66562000     | 2.72E-06 |
| chr13      | 66558001       | 66563000     | 0.000110111 |
| chr13      | 66559001       | 66564000     | 4.33E-05 |
| chr13      | 66574001       | 66579000     | 0.000514773 |
| chr13      | 66643001       | 66648000     | 0.000982307 |
| chr13      | 66644001       | 66649000     | 3.00E-05 |
| chr13      | 66645001       | 66650000     | 2.05E-05 |
| chr13      | 66775001       | 66780000     | 3.08E-05 |
| chr13      | 66838001       | 66843000     | 2.64E-06 |
| chr13      | 66855001       | 66860000     | 1.40E-06 |
| Chr  | Start | End   | p-value   |
|------|-------|-------|-----------|
| chr13| 66892001 | 66897000 | 2.75E-06  |
| chr13| 66975001 | 66980000 | 2.21E-05  |
| chr13| 66987001 | 66992000 | 2.75E-05  |
| chr13| 67037001 | 67042000 | 0.000762032|
| chr13| 67051001 | 67056000 | 0.000272871|
| chr13| 67057001 | 67062000 | 0.011328535|
| chr13| 67061001 | 67066000 | 9.25E-08  |
| chr13| 67064001 | 67069000 | 8.39E-08  |
| chr13| 67257001 | 67262000 | 0.02853784 |
| chr13| 67324001 | 67329000 | 2.21E-05  |
| chr13| 67326001 | 67331000 | 0.025095312|
| chr13| 67382001 | 67387000 | 4.27E-05  |
| chr13| 67424001 | 67429000 | 7.44E-06  |
| chr13| 67448001 | 67453000 | 9.25E-08  |
| chr13| 67449001 | 67454000 | 2.38E-07  |
| chr13| 67500001 | 67505000 | 0.002010255|
| chr13| 67593001 | 67598000 | 6.82E-10  |
| chr13| 67614001 | 67619000 | 8.53E-09  |
| chr13| 67615001 | 67620000 | 1.74E-08  |
| chr13| 67616001 | 67621000 | 6.85E-08  |
| chr13| 67820001 | 67825000 | 0.00077235 |
| chr13| 67821001 | 67826000 | 0.000513758|
| chr13| 68241001 | 68246000 | 7.59E-10  |
| chr13| 68242001 | 68247000 | 3.29E-11  |
| chr13| 68243001 | 68248000 | 3.92E-10  |
| chr13| 68325001 | 68330000 | 2.80E-06  |
| chr13| 68428001 | 68433000 | 2.14E-09  |
| chr13| 68429001 | 68434000 | 1.65E-08  |
| chr13| 68490001 | 68495000 | 2.56E-05  |
| chr13| 68729001 | 68734000 | 0.000436734|
| chr13| 68761001 | 68766000 | 0.001135406|
| chr13| 69384001 | 69389000 | 0.021602795|
| chr13| 69517001 | 69522000 | 2.68E-05  |
| chr13| 69518001 | 69523000 | 8.04E-07  |
| chr13| 69590001 | 69595000 | 0.001799412|
| chr13| 69591001 | 69596000 | 0.004093  |
| chr13| 69619001 | 69624000 | 2.24E-05  |
| chr13| 70118001 | 70123000 | 7.03E-05  |
| chr13| 70119001 | 70124000 | 0.00030548 |
| chr13| 70127001 | 70132000 | 3.12E-05  |
| chr13| 70214001 | 70219000 | 0.004057182|
| chr13| 70367001 | 70372000 | 0.002692352|
| chr13| 70368001 | 70373000 | 0.00286476 |
| chr13| 70393001 | 70398000 | 0.000759992|
| chr13| 70394001 | 70399000 | 0.000203807|
| chr13| 70565001 | 70570000 | 0.000148901|
| chr13 | 70612001 | 70617000 | 0.000105452 |
| chr13 | 70613001 | 70618000 | 6.73E-05    |
| chr13 | 70687001 | 70692000 | 0.000754417 |
| chr13 | 70764001 | 70769000 | 0.000476348 |
| chr13 | 70792001 | 70797000 | 0.005313327 |
| chr13 | 70799001 | 70804000 | 3.13E-05    |
| chr13 | 70907001 | 70912000 | 1.04E-06    |
| chr13 | 70922001 | 70927000 | 0.00350983  |
| chr13 | 70923001 | 70928000 | 0.005536784 |
| chr13 | 70924001 | 70929000 | 3.13E-05    |
| chr13 | 70925001 | 70930000 | 0.003656311 |
| chr13 | 71012001 | 71017000 | 4.85E-07    |
| chr13 | 71013001 | 71018000 | 5.64E-08    |
| chr13 | 71025001 | 71030000 | 1.05E-07    |
| chr13 | 71026001 | 71031000 | 4.62E-09    |
| chr13 | 71027001 | 71032000 | 9.56E-09    |
| chr13 | 71122001 | 71127000 | 3.74E-12    |
| chr13 | 71123001 | 71128000 | 8.62E-12    |
| chr13 | 71266001 | 71271000 | 2.53E-05    |
| chr13 | 71287001 | 71292000 | 0.001473706 |
| chr13 | 71306001 | 71311000 | 6.21E-05    |
| chr13 | 71307001 | 71312000 | 0.000222637 |
| chr13 | 71324001 | 71329000 | 0.000361078 |
| chr13 | 71325001 | 71330000 | 7.30E-06    |
| chr13 | 71390001 | 71395000 | 1.48E-06    |
| chr13 | 71391001 | 71396000 | 8.84E-07    |
| chr13 | 71443001 | 71448000 | 2.93E-10    |
| chr13 | 71483001 | 71488000 | 6.03E-06    |
| chr13 | 71487001 | 71492000 | 9.43E-06    |
| chr13 | 71585001 | 71590000 | 7.79E-10    |
| chr13 | 71586001 | 71591000 | 1.05E-06    |
| chr13 | 71645001 | 71650000 | 0.000997733 |
| chr13 | 71657001 | 71662000 | 0.000141436 |
| chr13 | 71716001 | 71721000 | 0.000653886 |
| chr13 | 71783001 | 71788000 | 0.000629541 |
| chr13 | 71791001 | 71796000 | 0.000529795 |
| chr13 | 71865001 | 71870000 | 1.04E-08    |
| chr13 | 71867001 | 71872000 | 3.86E-05    |
| chr13 | 71877001 | 71882000 | 0.000781279 |
| chr13 | 71903001 | 71908000 | 0.008601247 |
| chr13 | 71967001 | 71972000 | 0.00111857  |
| chr13 | 72021001 | 72026000 | 4.51E-05    |
| chr13 | 72022001 | 72027000 | 1.17E-05    |
| chr13 | 72214001 | 72219000 | 8.51E-05    |
| chr13 | 72232001 | 72237000 | 0.000111083 |
| chr13 | 72499001 | 72504000 | 2.28E-06    |
| chr13 | 72500001 | 72505000 | 3.69E-06    |
| chr13 | 72598001 | 72603000 | 0.003020465 |
| Chr  | Start  | End    | P-value   |
|------|--------|--------|-----------|
| chr13| 72845001 | 72850000 | 3.76E-06 |
| chr13| 72864001 | 72869000 | 0.000888038 |
| chr13| 72865001 | 72870000 | 0.0016785 |
| chr13| 72866001 | 72871000 | 8.24E-05 |
| chr13| 72933001 | 72938000 | 0.00114396 |
| chr13| 72967001 | 72972000 | 0.001786182 |
| chr13| 72968001 | 72973000 | 0.00402271 |
| chr13| 73037001 | 73042000 | 0.002999453 |
| chr13| 73168001 | 73173000 | 0.00202129 |
| chr13| 73232001 | 73237000 | 0.009653643 |
| chr13| 73261001 | 73266000 | 0.00271942 |
| chr13| 73618001 | 73623000 | 2.50E-07 |
| chr13| 73679001 | 73684000 | 0.003238139 |
| chr13| 73711001 | 73716000 | 4.15E-14 |
| chr13| 73712001 | 73717000 | 5.36E-15 |
| chr13| 73973001 | 73978000 | 3.86E-07 |
| chr13| 74179001 | 74184000 | 6.55E-06 |
| chr13| 74595001 | 74600000 | 2.59E-06 |
| chr13| 74666001 | 74771000 | 0.003238139 |
| chr13| 74980001 | 74985000 | 0.005058713 |
| chr13| 74815001 | 74820000 | 5.48E-10 |
| chr13| 74849001 | 74854000 | 0.003706139 |
| chr13| 74850001 | 74855000 | 0.00973602 |
| chr13| 74851001 | 74856000 | 0.00375804 |
| chr13| 74898001 | 74903000 | 1.09E-09 |
| chr13| 74899001 | 74904000 | 3.01E-12 |
| chr13| 75020001 | 75025000 | 0.005947543 |
| chr13| 75021001 | 75026000 | 0.004276642 |
| chr13| 75022001 | 75027000 | 0.005947543 |
| chr13| 75023001 | 75028000 | 0.004276642 |
| chr13| 75133001 | 75138000 | 8.75E-05 |
| chr13| 75134001 | 75139000 | 0.00141232 |
| chr13| 75135001 | 75140000 | 0.000230938 |
| chr13| 75136001 | 75141000 | 0.000217263 |
| chr13| 75147001 | 75152000 | 0.000221801 |
| chr13| 75418001 | 75423000 | 0.01412329 |
| chr13| 75461001 | 75466000 | 4.37E-06 |
| chr13| 75463001 | 75468000 | 8.43E-06 |
| chr13| 75621001 | 75626000 | 8.58E-05 |
| chr13| 75872001 | 75877000 | 7.71E-08 |
| chr13| 75873001 | 75878000 | 4.49E-08 |
| chr13| 75946001 | 75951000 | 5.29E-11 |
| chr13| 75992001 | 75997000 | 0.002189121 |
| chr13| 76245001 | 76250000 | 1.95E-05 |
| chr13| 76246001 | 76251000 | 0.000121377 |
| chr13| 76247001 | 76252000 | 0.001727127 |
| chr13| 76296001 | 76301000 | 0.004093911 |
| chromosome | start | end   | p-value   |
|------------|-------|-------|-----------|
| chr13      | 76437001 | 76442000 | 1.09E-18  |
| chr13      | 76438001 | 76443000 | 7.25E-18  |
| chr13      | 76439001 | 76444000 | 4.69E-19  |
| chr13      | 76440001 | 76445000 | 3.63E-17  |
| chr13      | 76878001 | 76883000 | 0.000315113 |
| chr13      | 76879001 | 76884000 | 0.000238177 |
| chr13      | 76882001 | 76887000 | 0.001564781 |
| chr13      | 77080001 | 77085000 | 1.29E-05  |
| chr13      | 77089001 | 77094000 | 0.000532284 |
| chr13      | 77194001 | 77199000 | 0.000235754 |
| chr13      | 77197001 | 77202000 | 0.00245178 |
| chr13      | 77198001 | 77203000 | 0.000297407 |
| chr13      | 77374001 | 77379000 | 1.92E-08  |
| chr13      | 77380001 | 77385000 | 5.22E-05  |
| chr13      | 77382001 | 77387000 | 4.36E-05  |
| chr13      | 77411001 | 77416000 | 0.003887885 |
| chr13      | 77476001 | 77481000 | 3.74E-05  |
| chr13      | 77477001 | 77482000 | 9.82E-09  |
| chr13      | 77535001 | 77540000 | 6.62E-07  |
| chr13      | 77932001 | 77937000 | 1.35E-06  |
| chr13      | 78049001 | 78054000 | 7.53E-18  |
| chr13      | 78050001 | 78055000 | 9.67E-13  |
| chr13      | 78052001 | 78057000 | 1.73E-09  |
| chr13      | 78098001 | 78103000 | 0.00171884 |
| chr13      | 78137001 | 78142000 | 0.010768376 |
| chr13      | 78153001 | 78158000 | 0.000303533 |
| chr13      | 78541001 | 78546000 | 2.36E-05  |
| chr13      | 78561001 | 78566000 | 3.25E-05  |
| chr13      | 78676001 | 78681000 | 8.65E-05  |
| chr13      | 78742001 | 78747000 | 0.000244864 |
| chr13      | 78911001 | 78916000 | 3.35E-05  |
| chr13      | 79639001 | 79644000 | 0.013767463 |
| chr13      | 79763001 | 79768000 | 7.07E-06  |
| chr13      | 79764001 | 79769000 | 9.29E-05  |
| chr13      | 79765001 | 79770000 | 0.000400278 |
| chr13      | 79973001 | 79978000 | 0.00267783 |
| chr13      | 80787001 | 80792000 | 1.96E-09  |
| chr13      | 80809001 | 80814000 | 1.86E-06  |
| chr13      | 80810001 | 80815000 | 1.00E-07  |
| chr13      | 81411001 | 81416000 | 0.000110107 |
| chr13      | 81551001 | 81556000 | 3.59E-06  |
| chr13      | 81802001 | 81807000 | 0.000638205 |
| chr13      | 82088001 | 82093000 | 6.30E-11  |
| chr13      | 82089001 | 82094000 | 2.47E-07  |
| chr13      | 82090001 | 82095000 | 1.39E-08  |
| chr13      | 82091001 | 82096000 | 0.007808578 |
| chr13      | 82118001 | 82123000 | 0.000735973 |
| chr13      | 82121001 | 82126000 | 0.009291194 |
| Chr  | Start     | End       | p-value       |
|------|-----------|-----------|---------------|
| chr13| 85411001  | 85416000  | 2.15E-07      |
| chr13| 85605001  | 85610000  | 0.000620683   |
| chr13| 85606001  | 85611000  | 0.00202104    |
| chr13| 85607001  | 85612000  | 0.00202104    |
| chr13| 85896001  | 85901000  | 3.76E-09      |
| chr13| 86396001  | 86401000  | 0.000468918   |
| chr13| 86467001  | 86472000  | 3.96E-05      |
| chr13| 86746001  | 86751000  | 0.00108207    |
| chr13| 87509001  | 87514000  | 1.35E-06      |
| chr13| 87510001  | 87515000  | 0.000943608   |
| chr13| 87511001  | 87516000  | 4.46E-12      |
| chr13| 87703001  | 87708000  | 4.81E-07      |
| chr13| 87937001  | 87942000  | 8.73E-06      |
| chr13| 87938001  | 87943000  | 0.00158125    |
| chr13| 87939001  | 87944000  | 0.0021927     |
| chr13| 88043001  | 88048000  | 0.003682982   |
| chr13| 88044001  | 88049000  | 0.00182249    |
| chr13| 88045001  | 88050000  | 0.00187629    |
| chr13| 88046001  | 88051000  | 0.00106856    |
| chr13| 88047001  | 88052000  | 0.00642675    |
| chr13| 88261001  | 88266000  | 6.40E-08      |
| chr13| 88263001  | 88268000  | 1.12E-07      |
| chr13| 88264001  | 88269000  | 8.19E-07      |
| chr13| 88312001  | 88317000  | 0.002918043   |
| chr13| 88713001  | 88718000  | 6.65E-05      |
| chr13| 88741001  | 88746000  | 1.15E-05      |
| chr13| 88742001  | 88747000  | 0.000216001   |
| chr13| 88743001  | 88748000  | 8.77E-06      |
| chr13| 88939001  | 88944000  | 5.26E-07      |
| chr13| 88940001  | 88945000  | 5.79E-15      |
| chr13| 89020001  | 89025000  | 0.00013567    |
| chr13| 89021001  | 89026000  | 0.000793757   |
| chr13| 89300001  | 89305000  | 0.001424871   |
| chr13| 89411001  | 89416000  | 1.60E-06      |
| chr13| 89412001  | 89417000  | 6.69E-06      |
| chr13| 89413001  | 89418000  | 3.99E-07      |
| chr13| 89414001  | 89419000  | 5.55E-05      |
| chr13| 89467001  | 89472000  | 0.000141821   |
| chr13| 89472001  | 89477000  | 7.70E-05      |
| chr13| 89786001  | 89791000  | 0.000757597   |
| chr13| 89787001  | 89792000  | 0.001812816   |
| chr13| 89788001  | 89793000  | 0.002293019   |
| chr13| 89961001  | 89966000  | 0.004691773   |
| chr13| 90212001  | 90217000  | 2.19E-05      |
| chr13| 90277001  | 90282000  | 0.000180279   |
| chr13| 90278001  | 90283000  | 0.00013295    |
| chr13| 90285001  | 90290000  | 0.00276496    |
| chr13| 90286001  | 90291000  | 0.00220474    |
| Chromosome (chr) | Start Position | End Position | P-Value |
|----------------|----------------|--------------|---------|
| chr13          | 90354001       | 90359000     | 1.47E-06|
| chr13          | 90640001       | 90645000     | 1.67E-08|
| chr13          | 90691001       | 90696000     | 5.53E-06|
| chr13          | 90692001       | 90697000     | 0.0013121|
| chr13          | 91055001       | 91060000     | 5.24E-09|
| chr13          | 91057001       | 91062000     | 0.00060627|
| chr13          | 91126001       | 91131000     | 6.79E-05|
| chr13          | 91188001       | 91193000     | 0.003346625|
| chr13          | 91189001       | 91194000     | 0.003588247|
| chr13          | 91330001       | 91335000     | 1.67E-05|
| chr13          | 91331001       | 91336000     | 2.50E-05|
| chr13          | 91408001       | 91413000     | 3.62E-06|
| chr13          | 91409001       | 91414000     | 1.34E-05|
| chr13          | 91411001       | 91416000     | 0.000455111|
| chr13          | 91456001       | 91461000     | 1.55E-06|
| chr13          | 91457001       | 91462000     | 7.37E-06|
| chr13          | 91461001       | 91466000     | 0.001353155|
| chr13          | 91675001       | 91680000     | 0.00049677|
| chr13          | 91676001       | 91681000     | 0.002197343|
| chr13          | 91677001       | 91682000     | 9.48E-05|
| chr13          | 91705001       | 91710000     | 1.96E-06|
| chr13          | 91763001       | 91768000     | 0.00024425|
| chr13          | 91791001       | 91796000     | 1.49E-07|
| chr13          | 91852001       | 91857000     | 0.000664211|
| chr13          | 91853001       | 91858000     | 0.00197193|
| chr13          | 91862001       | 91867000     | 0.001091212|
| chr13          | 91863001       | 91868000     | 0.001932302|
| chr13          | 92213001       | 92218000     | 3.32E-05|
| chr13          | 92227001       | 92232000     | 1.58E-07|
| chr13          | 92370001       | 92375000     | 5.00E-08|
| chr13          | 92455001       | 92460000     | 5.17E-07|
| chr13          | 92457001       | 92462000     | 1.41E-05|
| chr13          | 92822001       | 92827000     | 2.08E-06|
| chr13          | 92954001       | 92959000     | 0.00241334|
| chr13          | 92963001       | 92968000     | 2.08E-06|
| chr13          | 92983001       | 92988000     | 7.11E-05|
| chr13          | 92984001       | 92989000     | 4.49E-05|
| chr13          | 93040001       | 93045000     | 0.001670102|
| chr13          | 93051001       | 93056000     | 1.27E-06|
| chr13          | 93053001       | 93058000     | 0.001311467|
| chr13          | 93222001       | 93227000     | 1.42E-05|
| chr13          | 93223001       | 93228000     | 2.29E-05|
| chr13          | 93224001       | 93229000     | 1.65E-05|
| chr13          | 93251001       | 93256000     | 0.000575923|
| chr13          | 93254001       | 93259000     | 0.00533094|
| chr13          | 93276001       | 93281000     | 8.54E-08|
| chr13          | 93285001       | 93290000     | 0.000724089|
| chr13          | 93326001       | 93331000     | 0.001586034|
| Chr  | Start     | End       | P-value   |
|------|-----------|-----------|-----------|
| chr13| 93429001  | 93434000  | 1.77E-09  |
| chr13| 93474001  | 93479000  | 0.00949085|
| chr13| 93553001  | 93558000  | 0.00079409|
| chr13| 93642001  | 93647000  | 0.000446055|
| chr13| 93643001  | 93648000  | 0.017630915|
| chr13| 93644001  | 93649000  | 0.000501189|
| chr13| 93645001  | 93650000  | 0.001280032|
| chr13| 93769001  | 93774000  | 4.98E-10  |
| chr13| 93770001  | 93775000  | 2.92E-10  |
| chr13| 93771001  | 93776000  | 1.07E-08  |
| chr13| 93772001  | 93777000  | 8.19E-08  |
| chr13| 93773001  | 93778000  | 2.24E-12  |
| chr13| 93802001  | 93807000  | 1.70E-06  |
| chr13| 93803001  | 93808000  | 0.00120437|
| chr13| 93817001  | 93822000  | 3.38E-07  |
| chr13| 93874001  | 93879000  | 2.93E-14  |
| chr13| 93943001  | 93948000  | 5.29E-11  |
| chr13| 93981001  | 93986000  | 2.28E-07  |
| chr13| 94011001  | 94016000  | 2.57E-05  |
| chr13| 94012001  | 94017000  | 0.000161574|
| chr13| 94013001  | 94018000  | 7.00E-05  |
| chr13| 94019001  | 94024000  | 1.63E-05  |
| chr13| 94020001  | 94025000  | 0.000102361|
| chr13| 94021001  | 94026000  | 2.50E-07  |
| chr13| 94022001  | 94027000  | 4.98E-06  |
| chr13| 94043001  | 94048000  | 0.005086714|
| chr13| 94101001  | 94106000  | 1.03E-07  |
| chr13| 94156001  | 94161000  | 2.14E-06  |
| chr13| 94274001  | 94279000  | 3.17E-05  |
| chr13| 94282001  | 94287000  | 2.30E-08  |
| chr13| 94283001  | 94288000  | 1.39E-06  |
| chr13| 94284001  | 94289000  | 5.10E-11  |
| chr13| 94285001  | 94290000  | 1.00E-09  |
| chr13| 94295001  | 94300000  | 0.000182118|
| chr13| 94372001  | 94377000  | 0.000177428|
| chr13| 94407001  | 94412000  | 0.001530814|
| chr13| 94408001  | 94413000  | 0.001001522|
| chr13| 94424001  | 94429000  | 0.0001415  |
| chr13| 94443001  | 94448000  | 2.48E-08  |
| chr13| 94444001  | 94449000  | 1.63E-10  |
| chr13| 94451001  | 94456000  | 0.000267204|
| chr13| 94522001  | 94527000  | 0.00059407|
| chr13| 94586001  | 94591000  | 0.000451328|
| chr13| 94629001  | 94634000  | 0.0003184072|
| chr13| 94630001  | 94635000  | 0.002525201|
| chr13| 94740001  | 94745000  | 0.00746591|
| chr13| 94876001  | 94881000  | 2.05E-05  |
| chr13| 94877001  | 94882000  | 1.69E-05  |
| Chr  | Start | End   | p-value     |
|------|-------|-------|-------------|
| chr13| 94878001 | 94883000 | 2.26E-05    |
| chr13| 94919001 | 94924000 | 2.77E-09    |
| chr13| 94920001 | 94925000 | 3.75E-10    |
| chr13| 95100001 | 95105000 | 0.000290767 |
| chr13| 95101001 | 95106000 | 0.000503219 |
| chr13| 96940001 | 96945000 | 4.11E-05    |
| chr13| 96941001 | 96946000 | 2.84E-05    |
| chr13| 97737001 | 97742000 | 1.63E-07    |
| chr13| 97738001 | 97743000 | 4.93E-10    |
| chr13| 97877001 | 97882000 | 3.27E-09    |
| chr13| 97878001 | 97883000 | 2.28E-07    |
| chr13| 98590001 | 98595000 | 2.03E-10    |
| chr13| 100393001 | 100398000 | 2.91E-10   |
| chr13| 100394001 | 100399000 | 1.78E-10   |
| chr13| 100417001 | 100422000 | 3.78E-05   |
| chr13| 100691001 | 100696000 | 7.64E-06   |
| chr13| 101163001 | 101168000 | 7.46E-16   |
| chr13| 101165001 | 101170000 | 1.30E-19   |
| chr13| 101881001 | 101886000 | 0.000128357 |
| chr13| 101891001 | 101896000 | 2.85E-05   |
| chr13| 101895001 | 101900000 | 0.000316844 |
| chr13| 101902001 | 101907000 | 1.06E-07   |
| chr13| 101903001 | 101908000 | 1.13E-06   |
| chr13| 101912001 | 101917000 | 4.27E-05   |
| chr13| 102023001 | 102028000 | 0.000294426 |
| chr13| 102313001 | 102318000 | 0.002837787 |
| chr13| 102477001 | 102482000 | 7.38E-06   |
| chr13| 102499001 | 102504000 | 1.44E-06   |
| chr13| 102549001 | 102554000 | 0.002041659 |
| chr13| 102591001 | 102596000 | 0.000244797 |
| chr13| 102630001 | 102635000 | 2.99E-05   |
| chr13| 102653001 | 102658000 | 0.00054049 |
| chr13| 102655001 | 102660000 | 0.000238434 |
| chr13| 102656001 | 102661000 | 1.54E-05   |
| chr13| 102789001 | 102794000 | 5.57E-08   |
| chr13| 102790001 | 102795000 | 1.68E-09   |
| chr13| 102791001 | 102796000 | 5.66E-10   |
| chr13| 102792001 | 102797000 | 7.28E-08   |
| chr13| 102793001 | 102798000 | 4.67E-10   |
| chr13| 102794001 | 102799000 | 3.27E-06   |
| chr13| 102795001 | 102800000 | 6.11E-06   |
| chr13| 102801001 | 102806000 | 9.79E-08   |
| chr13| 102829001 | 102834000 | 0.000181531 |
| chr13| 102830001 | 102835000 | 6.92E-06   |
| chr13| 102834001 | 102839000 | 2.99E-05   |
| chr13| 102875001 | 102880000 | 0.000402338 |
| chr13| 103157001 | 103162000 | 0.004525035 |
| chr13| 103158001 | 103163000 | 0.011511705 |
| Chr  | Start         | End           | p-value     |
|------|---------------|---------------|-------------|
| chr13| 103379001     | 103384000     | 2.03E-08    |
| chr13| 103627001     | 103632000     | 1.50E-10    |
| chr13| 103731001     | 103736000     | 2.24E-17    |
| chr13| 103870001     | 103875000     | 5.08E-19    |
| chr13| 103871001     | 103876000     | 1.22E-14    |
| chr13| 103872001     | 103877000     | 2.24E-17    |
| chr13| 103873001     | 103878000     | 0.00072189  |
| chr13| 103874001     | 103879000     | 1.97E-09    |
| chr13| 103879001     | 103894000     | 5.90E-05    |
| chr13| 103908001     | 103913000     | 6.85E-09    |
| chr13| 104022001     | 104027000     | 0.000431825 |
| chr13| 104028001     | 104033000     | 0.00091175  |
| chr13| 104029001     | 104034000     | 0.00326953  |
| chr13| 104082001     | 104087000     | 6.10E-05    |
| chr13| 104083001     | 104088000     | 0.005412298 |
| chr13| 104104001     | 104109000     | 0.000301717 |
| chr13| 104201001     | 104206000     | 9.37E-05    |
| chr13| 104202001     | 104207000     | 4.07E-05    |
| chr13| 104224001     | 104229000     | 0.000223285 |
| chr13| 104302001     | 104307000     | 0.010081315 |
| chr13| 104308001     | 104313000     | 2.64E-07    |
| chr13| 104315001     | 104320000     | 6.88E-07    |
| chr13| 104316001     | 104321000     | 9.36E-09    |
| chr13| 104326001     | 104331000     | 0.000125666 |
| chr13| 104405001     | 104410000     | 0.000360679 |
| chr13| 104409001     | 104414000     | 8.11E-06    |
| chr13| 104799001     | 104804000     | 0.000246486 |
| chr13| 105190001     | 105195000     | 4.63E-05    |
| chr13| 105191001     | 105196000     | 1.85E-05    |
| chr13| 105360001     | 105365000     | 0.000864466 |
| chr13| 105947001     | 105952000     | 1.91E-06    |
| chr13| 105989001     | 105994000     | 0.00145135  |
| chr13| 106593001     | 106598000     | 1.06E-11    |
| chr13| 106594001     | 106599000     | 4.30E-09    |
| chr13| 106795001     | 106800000     | 0.000485704 |
| chr13| 107990001     | 107995000     | 0.005522662 |
| chr13| 108022001     | 108027000     | 7.28E-05    |
| chr13| 108023001     | 108028000     | 0.002319228 |
| chr13| 108043001     | 108048000     | 5.65E-08    |
| chr13| 108049001     | 108054000     | 2.21E-06    |
| chr13| 108149001     | 108154000     | 0.002069695 |
| chr13| 108151001     | 108156000     | 0.00137061  |
| chr13| 108215001     | 108220000     | 5.91E-10    |
| chr13| 108219001     | 108224000     | 2.08E-07    |
| chr13| 108656001     | 108661000     | 3.29E-06    |
| chr13| 108675001     | 108680000     | 0.000381778 |
| chr13| 108676001     | 108681000     | 6.36E-05    |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr13      | 108677001 | 108682000 | 2.26E-06 |
| chr13      | 108708001 | 108713000 | 0.002703995 |
| chr13      | 111466001 | 111471000 | 5.70E-28 |
| chr13      | 112814001 | 112819000 | 6.02E-21 |
| chr13      | 113757001 | 113762000 | 9.41E-13 |
| chr13      | 113758001 | 113763000 | 2.59E-10 |
| chr13      | 113759001 | 113764000 | 1.07E-08 |
| chr13      | 114066001 | 114071000 | 3.70E-11 |
| chr13      | 114213001 | 114218000 | 3.54E-16 |
| chr13      | 114766001 | 114771000 | 1.42E-20 |
| chr13      | 114767001 | 114772000 | 2.76E-19 |
| chr13      | 115097001 | 115102000 | 1.45E-18 |
| chr14      | 19405001  | 19410000  | 0.002126077 |
| chr14      | 19659001  | 19664000  | 0.00061228 |
| chr14      | 19709001  | 19714000  | 1.26E-11 |
| chr14      | 19710001  | 19715000  | 3.61E-11 |
| chr14      | 19851001  | 19856000  | 2.94E-05 |
| chr14      | 21732001  | 21737000  | 6.18E-19 |
| chr14      | 22158001  | 22163000  | 7.06E-09 |
| chr14      | 22591001  | 22596000  | 3.81E-05 |
| chr14      | 23038001  | 23043000  | 5.54E-11 |
| chr14      | 23039001  | 23044000  | 5.84E-09 |
| chr14      | 23724001  | 23729000  | 0.000388863 |
| chr14      | 24113001  | 24118000  | 1.93E-07 |
| chr14      | 24114001  | 24119000  | 1.52E-06 |
| chr14      | 24235001  | 24240000  | 0.01553793 |
| chr14      | 24236001  | 24241000  | 8.38E-07 |
| chr14      | 24278001  | 24283000  | 3.65E-07 |
| chr14      | 24279001  | 24284000  | 1.06E-07 |
| chr14      | 24782001  | 24787000  | 1.50E-15 |
| chr14      | 25315001  | 25320000  | 0.000501274 |
| chr14      | 25477001  | 25482000  | 2.79E-07 |
| chr14      | 25528001  | 25533000  | 0.000348258 |
| chr14      | 25529001  | 25534000  | 0.000164344 |
| chr14      | 25530001  | 25535000  | 0.000519713 |
| chr14      | 25779001  | 25784000  | 1.88E-06 |
| chr14      | 25780001  | 25785000  | 4.50E-06 |
| chr14      | 25908001  | 25913000  | 5.32E-05 |
| chr14      | 26037001  | 26042000  | 0.000170146 |
| chr14      | 26038001  | 26043000  | 0.000238864 |
| chr14      | 26127001  | 26132000  | 0.0078809 |
| chr14      | 26327001  | 26332000  | 0.000195446 |
| chr14      | 26329001  | 26334000  | 1.28E-05 |
| chr14      | 26330001  | 26335000  | 5.95E-05 |
| chr14      | 26331001  | 26336000  | 5.93E-05 |
| chr14      | 26332001  | 26337000  | 0.00011187 |
| chr14      | 26333001  | 26338000  | 0.000614991 |
| Chr | Start | End   | P-value   |
|-----|-------|-------|-----------|
| chr14 | 26372001 | 26377000 | 0.007515642 |
| chr14 | 26373001 | 26378000 | 0.000241505 |
| chr14 | 26989001 | 26994000 | 3.30E-06    |
| chr14 | 26990001 | 26995000 | 7.95E-06    |
| chr14 | 27234001 | 27239000 | 2.32E-07    |
| chr14 | 27355001 | 27360000 | 5.64E-07    |
| chr14 | 27356001 | 27361000 | 1.50E-06    |
| chr14 | 27487001 | 27492000 | 6.66E-06    |
| chr14 | 27488001 | 27493000 | 1.63E-06    |
| chr14 | 27489001 | 27494000 | 2.03E-06    |
| chr14 | 27574001 | 27579000 | 4.38E-05    |
| chr14 | 27575001 | 27580000 | 6.97E-06    |
| chr14 | 27576001 | 27581000 | 7.30E-06    |
| chr14 | 27577001 | 27582000 | 7.70E-05    |
| chr14 | 27655001 | 27660000 | 0.016339082 |
| chr14 | 27800001 | 27805000 | 0.002522826 |
| chr14 | 27938001 | 27943000 | 0.003300198 |
| chr14 | 28280001 | 28285000 | 0.001645488 |
| chr14 | 28281001 | 28286000 | 0.001295174 |
| chr14 | 28282001 | 28287000 | 0.00084959  |
| chr14 | 28336001 | 28341000 | 1.99E-08    |
| chr14 | 28805001 | 28810000 | 1.74E-09    |
| chr14 | 28806001 | 28811000 | 1.83E-10    |
| chr14 | 28814001 | 28819000 | 3.06E-09    |
| chr14 | 28963001 | 28968000 | 0.000556898 |
| chr14 | 28964001 | 28969000 | 4.68E-05    |
| chr14 | 28967001 | 28972000 | 2.43E-07    |
| chr14 | 29079001 | 29084000 | 2.08E-08    |
| chr14 | 29080001 | 29085000 | 4.03E-09    |
| chr14 | 29081001 | 29086000 | 5.48E-09    |
| chr14 | 29082001 | 29087000 | 6.59E-08    |
| chr14 | 29083001 | 29088000 | 6.79E-07    |
| chr14 | 29207001 | 29212000 | 5.30E-08    |
| chr14 | 29208001 | 29213000 | 6.43E-08    |
| chr14 | 29628001 | 29633000 | 0.000546599 |
| chr14 | 29728001 | 29733000 | 0.005735356 |
| chr14 | 29778001 | 29783000 | 0.010383858 |
| chr14 | 29779001 | 29784000 | 0.010383858 |
| chr14 | 29793001 | 29798000 | 8.94E-08    |
| chr14 | 29794001 | 29799000 | 9.75E-08    |
| chr14 | 29795001 | 29800000 | 1.21E-05    |
| chr14 | 29889001 | 29894000 | 0.000606996 |
| chr14 | 29934001 | 29939000 | 0.000281845 |
| chr14 | 29935001 | 29940000 | 0.00084959  |
| chr14 | 29938001 | 29943000 | 0.025410548 |
| chr14 | 29959001 | 29964000 | 4.17E-10    |
| chr14 | 29960001 | 29965000 | 3.84E-09    |
| chr14 | 29961001 | 29966000 | 5.84E-09    |

**chr14**
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr14      | 30235001       | 30240000     | 1.21E-06|
| chr14      | 30470001       | 30475000     | 2.72E-06|
| chr14      | 30471001       | 30476000     | 4.14E-07|
| chr14      | 30472001       | 30477000     | 8.46E-05|
| chr14      | 30473001       | 30478000     | 1.15E-06|
| chr14      | 30990001       | 30995000     | 2.07E-11|
| chr14      | 30991001       | 30996000     | 1.68E-08|
| chr14      | 31017001       | 31022000     | 3.81E-16|
| chr14      | 31460001       | 31465000     | 9.95E-05|
| chr14      | 32348001       | 32353000     | 1.03E-06|
| chr14      | 32460001       | 32465000     | 5.77E-10|
| chr14      | 34786001       | 34791000     | 0.003323951|
| chr14      | 34815001       | 34820000     | 0.001442336|
| chr14      | 35881001       | 35886000     | 4.02E-08|
| chr14      | 36725001       | 36730000     | 0.001211865|
| chr14      | 36906001       | 36911000     | 5.90E-19|
| chr14      | 36907001       | 36912000     | 8.77E-20|
| chr14      | 36908001       | 36913000     | 7.12E-22|
| chr14      | 36909001       | 36914000     | 3.33E-20|
| chr14      | 37411001       | 37416000     | 7.75E-10|
| chr14      | 37729001       | 37734000     | 0.007761723|
| chr14      | 38285001       | 38290000     | 0.003358401|
| chr14      | 38286001       | 38291000     | 0.012258302|
| chr14      | 38287001       | 38292000     | 6.63E-07|
| chr14      | 38288001       | 38293000     | 4.70E-08|
| chr14      | 38499001       | 38504000     | 0.000426368|
| chr14      | 38506001       | 38511000     | 5.24E-05|
| chr14      | 38988001       | 38993000     | 0.000283223|
| chr14      | 40049001       | 40054000     | 1.34E-05|
| chr14      | 40212001       | 40217000     | 0.001280266|
| chr14      | 40213001       | 40218000     | 0.001026263|
| chr14      | 40488001       | 40493000     | 0.002011715|
| chr14      | 40489001       | 40494000     | 0.002278113|
| chr14      | 40490001       | 40495000     | 0.000168964|
| chr14      | 40492001       | 40497000     | 2.02E-06|
| chr14      | 40495001       | 40500000     | 0.000478787|
| chr14      | 40666001       | 40671000     | 0.000243641|
| chr14      | 41108001       | 41113000     | 5.72E-10|
| chr14      | 41109001       | 41114000     | 6.70E-10|
| chr14      | 41211001       | 41216000     | 5.93E-06|
| chr14      | 41319001       | 41324000     | 1.45E-11|
| chr14      | 41320001       | 41325000     | 3.84E-08|
| chr14      | 41443001       | 41448000     | 5.01E-07|
| chr14      | 41444001       | 41449000     | 5.84E-07|
| chr14      | 41454001       | 41459000     | 2.42E-06|
| chr14      | 41707001       | 41712000     | 0.024065311|
| chr14      | 41737001       | 41742000     | 0.00077051|
| chr14      | 41738001       | 41743000     | 0.002385744|
| Chromosome | Start Position | End Position | P-value     |
|------------|----------------|--------------|-------------|
| chr14      | 41788001       | 41793000     | 7.76E-05    |
| chr14      | 41789001       | 41794000     | 0.00712273  |
| chr14      | 41790001       | 41795000     | 0.001662974 |
| chr14      | 42294001       | 42299000     | 9.10E-10    |
| chr14      | 42537001       | 42542000     | 5.96E-06    |
| chr14      | 42542001       | 42547000     | 8.28E-05    |
| chr14      | 42543001       | 42548000     | 2.37E-05    |
| chr14      | 42544001       | 42549000     | 3.56E-05    |
| chr14      | 42545001       | 42550000     | 3.56E-05    |
| chr14      | 42626001       | 42631000     | 0.003236987 |
| chr14      | 42628001       | 42633000     | 0.000759004 |
| chr14      | 42629001       | 42634000     | 0.006775993 |
| chr14      | 42927001       | 42932000     | 0.000526633 |
| chr14      | 42928001       | 42933000     | 0.002897923 |
| chr14      | 43082001       | 43087000     | 3.41E-07    |
| chr14      | 43269001       | 43274000     | 0.00020652  |
| chr14      | 43270001       | 43275000     | 2.78E-07    |
| chr14      | 43271001       | 43276000     | 8.65E-08    |
| chr14      | 43272001       | 43277000     | 1.94E-06    |
| chr14      | 43395001       | 43400000     | 4.01E-10    |
| chr14      | 43505001       | 43510000     | 0.002024521 |
| chr14      | 43506001       | 43511000     | 0.000130637 |
| chr14      | 43595001       | 43600000     | 0.000255953 |
| chr14      | 43596001       | 43601000     | 0.000179072 |
| chr14      | 43606001       | 43611000     | 8.45E-05    |
| chr14      | 44049001       | 44054000     | 3.59E-05    |
| chr14      | 44050001       | 44055000     | 2.16E-05    |
| chr14      | 44104001       | 44109000     | 3.47E-05    |
| chr14      | 44506001       | 44511000     | 0.002762996 |
| chr14      | 44557001       | 44562000     | 0.000128749 |
| chr14      | 44558001       | 44563000     | 0.000222731 |
| chr14      | 44727001       | 44732000     | 1.60E-07    |
| chr14      | 44728001       | 44733000     | 4.73E-08    |
| chr14      | 44729001       | 44734000     | 2.84E-09    |
| chr14      | 45195001       | 45200000     | 7.55E-05    |
| chr14      | 45298001       | 45303000     | 3.08E-05    |
| chr14      | 45777001       | 45782000     | 0.000234471 |
| chr14      | 45809001       | 45814000     | 0.002296277 |
| chr14      | 45810001       | 45815000     | 0.000199333 |
| chr14      | 46030001       | 46035000     | 0.000905082 |
| chr14      | 46251001       | 46256000     | 0.000233017 |
| chr14      | 46859001       | 46864000     | 6.77E-08    |
| chr14      | 47005001       | 47010000     | 0.000113968 |
| chr14      | 47006001       | 47011000     | 0.00114792  |
| chr14      | 47187001       | 47192000     | 0.000281859 |
| chr14      | 47360001       | 47365000     | 5.47E-05    |
| chr14      | 47601001       | 47606000     | 1.47E-05    |
| chr14      | 47602001       | 47607000     | 7.46E-07    |
| Chromosome | Start   | End     | Score   |
|------------|---------|---------|---------|
| chr14      | 47603001| 47608000| 9.88E-07|
| chr14      | 47724001| 47729000| 0.000500646|
| chr14      | 47725001| 47730000| 9.86E-05|
| chr14      | 47762001| 47767000| 0.001570733|
| chr14      | 47872001| 47877000| 9.31E-05|
| chr14      | 47873001| 47878000| 6.29E-09|
| chr14      | 47874001| 47879000| 2.16E-09|
| chr14      | 47875001| 47880000| 1.11E-10|
| chr14      | 47901001| 47906000| 0.000423705|
| chr14      | 47903001| 47908000| 8.87E-05|
| chr14      | 47904001| 47909000| 0.000687311|
| chr14      | 47925001| 47930000| 0.002816567|
| chr14      | 47927001| 47932000| 3.49E-05|
| chr14      | 47956001| 47961000| 6.13E-06|
| chr14      | 47957001| 47962000| 1.66E-06|
| chr14      | 47958001| 47963000| 0.000233321|
| chr14      | 47979001| 47984000| 8.80E-10|
| chr14      | 47989001| 47994000| 0.000492009|
| chr14      | 47990001| 47995000| 0.00136372|
| chr14      | 47992001| 47997000| 0.01107519|
| chr14      | 48003001| 48008000| 4.04E-05|
| chr14      | 48102001| 48107000| 2.02E-05|
| chr14      | 48130001| 48135000| 3.73E-17|
| chr14      | 48131001| 48136000| 4.03E-09|
| chr14      | 48238001| 48243000| 0.000221936|
| chr14      | 48239001| 48244000| 0.00103416|
| chr14      | 48256001| 48261000| 0.001936732|
| chr14      | 48301001| 48306000| 4.81E-07|
| chr14      | 48399001| 48404000| 0.000155234|
| chr14      | 48475001| 48480000| 5.56E-06|
| chr14      | 48649001| 48654000| 8.14E-06|
| chr14      | 48650001| 48655000| 2.77E-07|
| chr14      | 48890001| 48895000| 0.005071678|
| chr14      | 48922001| 48927000| 0.001472677|
| chr14      | 48977001| 48982000| 0.000597144|
| chr14      | 49018001| 49023000| 0.003895559|
| chr14      | 49026001| 49031000| 3.59E-06|
| chr14      | 49030001| 49035000| 5.90E-08|
| chr14      | 49031001| 49036000| 3.46E-11|
| chr14      | 49146001| 49151000| 0.000264632|
| chr14      | 49147001| 49152000| 0.000283217|
| chr14      | 49148001| 49153000| 0.000327192|
| chr14      | 49149001| 49154000| 2.31E-06|
| chr14      | 49189001| 49194000| 5.22E-05|
| chr14      | 49190001| 49195000| 0.001652441|
| chr14      | 49191001| 49196000| 6.69E-07|
| chr14      | 49192001| 49197000| 1.54E-05|
| chr14      | 49193001| 49198000| 1.04E-07|
| chr14 | start | end   | p-value   |
|-------|-------|-------|-----------|
| chr14 | 49194001 | 49199000 | 1.73E-07 |
| chr14 | 49195001 | 49200000 | 7.99E-09 |
| chr14 | 49217001 | 49222000 | 6.15E-08 |
| chr14 | 49218001 | 49223000 | 7.73E-08 |
| chr14 | 49219001 | 49224000 | 8.05E-05 |
| chr14 | 49220001 | 49225000 | 0.000176877 |
| chr14 | 49226001 | 49231000 | 3.98E-06 |
| chr14 | 49227001 | 49232000 | 4.06E-06 |
| chr14 | 49243001 | 49248000 | 0.000304378 |
| chr14 | 49244001 | 49249000 | 6.67E-05 |
| chr14 | 49254001 | 49259000 | 4.73E-06 |
| chr14 | 49255001 | 49260000 | 5.49E-06 |
| chr14 | 49256001 | 49261000 | 7.84E-07 |
| chr14 | 49422001 | 49427000 | 4.89E-08 |
| chr14 | 49433001 | 49438000 | 2.04E-06 |
| chr14 | 49434001 | 49439000 | 2.22E-05 |
| chr14 | 49477001 | 49482000 | 0.002806364 |
| chr14 | 49478001 | 49483000 | 0.003389439 |
| chr14 | 49479001 | 49484000 | 0.000614773 |
| chr14 | 49480001 | 49485000 | 0.000310089 |
| chr14 | 49545001 | 49550000 | 1.94E-05 |
| chr14 | 49570001 | 49575000 | 1.15E-09 |
| chr14 | 49623001 | 49628000 | 1.19E-12 |
| chr14 | 50332001 | 50337000 | 4.06E-20 |
| chr14 | 50333001 | 50338000 | 1.54E-18 |
| chr14 | 50334001 | 50339000 | 6.10E-16 |
| chr14 | 50336001 | 50341000 | 4.21E-07 |
| chr14 | 50426001 | 50431000 | 4.55E-13 |
| chr14 | 50436001 | 50441000 | 2.14E-18 |
| chr14 | 50437001 | 50442000 | 3.52E-15 |
| chr14 | 50438001 | 50443000 | 4.44E-15 |
| chr14 | 50439001 | 50444000 | 1.08E-18 |
| chr14 | 51328001 | 51333000 | 5.21E-13 |
| chr14 | 51582001 | 51587000 | 6.56E-05 |
| chr14 | 51583001 | 51588000 | 2.21E-07 |
| chr14 | 51584001 | 51589000 | 5.93E-05 |
| chr14 | 51585001 | 51590000 | 0.003982997 |
| chr14 | 51586001 | 51591000 | 0.00451017 |
| chr14 | 51640001 | 51645000 | 0.00016181 |
| chr14 | 51651001 | 51656000 | 0.000125335 |
| chr14 | 51652001 | 51657000 | 2.64E-05 |
| chr14 | 51831001 | 51836000 | 5.29E-19 |
| chr14 | 51832001 | 51837000 | 1.48E-14 |
| chr14 | 52340001 | 52345000 | 4.19E-07 |
| chr14 | 52341001 | 52346000 | 2.28E-07 |
| chr14 | 52342001 | 52347000 | 4.56E-07 |
| chr14 | 52344001 | 52349000 | 0.000126012 |
| chr14 | 52489001 | 52494000 | 5.95E-06 |
| Chr  | Start  | End    | Score   |
|------|--------|--------|---------|
| chr14| 52490001 | 52495000 | 7.33E-06 |
| chr14| 52546001 | 52551000 | 3.70E-08 |
| chr14| 52547001 | 52552000 | 3.73E-07 |
| chr14| 52548001 | 52553000 | 1.90E-05 |
| chr14| 52549001 | 52554000 | 7.72E-07 |
| chr14| 52550001 | 52555000 | 0.000904348 |
| chr14| 52546001 | 52551000 | 1.60E-11 |
| chr14| 52547001 | 52552000 | 5.52E-12 |
| chr14| 53290001 | 53295000 | 4.01E-09 |
| chr14| 53846001 | 53851000 | 0.00184826 |
| chr14| 54143001 | 54148000 | 0.000106359 |
| chr14| 54344001 | 54349000 | 7.95E-10 |
| chr14| 54608001 | 54613000 | 4.98E-05 |
| chr14| 54731001 | 54736000 | 9.67E-08 |
| chr14| 55344001 | 55349000 | 6.76E-10 |
| chr14| 55598001 | 55603000 | 1.81E-10 |
| chr14| 55890001 | 55895000 | 9.97E-06 |
| chr14| 56067001 | 56072000 | 4.19E-09 |
| chr14| 56076001 | 56081000 | 1.41E-12 |
| chr14| 57251001 | 57256000 | 0.000885602 |
| chr14| 58704001 | 58709000 | 9.57E-14 |
| chr14| 58705001 | 58710000 | 8.21E-20 |
| chr14| 58706001 | 58711000 | 3.49E-20 |
| chr14| 58927001 | 58932000 | 0.000196079 |
| chr14| 59173001 | 59178000 | 0.000167411 |
| chr14| 59261001 | 59266000 | 3.57E-11 |
| chr14| 59271001 | 59276000 | 0.001136716 |
| chr14| 59274001 | 59279000 | 0.000461376 |
| chr14| 59345001 | 59350000 | 2.01E-05 |
| chr14| 59440001 | 59445000 | 4.28E-06 |
| chr14| 59441001 | 59446000 | 3.61E-08 |
| chr14| 59466001 | 59471000 | 3.06E-05 |
| chr14| 59513001 | 59518000 | 0.00110431 |
| chr14| 60173001 | 60178000 | 0.000241341 |
| chr14| 60174001 | 60179000 | 0.000134324 |
| chr14| 60222001 | 60227000 | 0.000263433 |
| chr14| 60462001 | 60467000 | 3.51E-06 |
| chr14| 60649001 | 60654000 | 4.46E-19 |
| chr14| 60650001 | 60655000 | 9.30E-14 |
| chr14| 60651001 | 60656000 | 5.47E-13 |
| chr14| 60967001 | 60972000 | 0.000151492 |
| chr14| 61644001 | 61649000 | 1.12E-13 |
| chr14| 61945001 | 61950000 | 8.94E-10 |
| chr14| 61987001 | 61992000 | 6.44E-05 |
| chr14| 61991001 | 61996000 | 8.76E-17 |
| chr14| 62334001 | 62339000 | 0.005368078 |
| chr14| 62488001 | 62493000 | 6.64E-07 |
| chr14| 62489001 | 62494000 | 4.35E-05 |
| Chr 14 | Start | End   | p-value |
|------|-------|-------|---------|
| chr14 | 62794001 | 62799000 | 0.000372867 |
| chr14 | 62926001 | 62931000 | 4.40E-08 |
| chr14 | 63114001 | 63119000 | 7.22E-09 |
| chr14 | 63115001 | 63120000 | 8.23E-11 |
| chr14 | 63375001 | 63380000 | 3.75E-11 |
| chr14 | 63618001 | 63623000 | 2.58E-05 |
| chr14 | 63629001 | 63634000 | 8.23E-11 |
| chr14 | 63680001 | 63685000 | 5.35E-05 |
| chr14 | 63681001 | 63686000 | 0.000631027 |
| chr14 | 64099001 | 64104000 | 2.82E-16 |
| chr14 | 64209001 | 64214000 | 2.08E-18 |
| chr14 | 64223001 | 64228000 | 2.29E-11 |
| chr14 | 65512001 | 65517000 | 2.37E-06 |
| chr14 | 66822001 | 66827000 | 3.20E-05 |
| chr14 | 66823001 | 66828000 | 2.95E-06 |
| chr14 | 66895001 | 66900000 | 0.000928013 |
| chr14 | 68320001 | 68325000 | 2.55E-14 |
| chr14 | 68329001 | 68334000 | 2.32E-09 |
| chr14 | 68390001 | 68395000 | 1.13E-08 |
| chr14 | 68628001 | 68633000 | 1.51E-09 |
| chr14 | 68629001 | 68634000 | 1.58E-20 |
| chr14 | 68627001 | 68632000 | 5.62E-09 |
| chr14 | 68628001 | 68633000 | 1.01E-07 |
| chr14 | 68639001 | 68644000 | 0.00033942 |
| chr14 | 68714001 | 68719000 | 3.69E-10 |
| chr14 | 69832001 | 69837000 | 2.79E-10 |
| chr14 | 69843001 | 69848000 | 3.04E-07 |
| chr14 | 70037001 | 70042000 | 1.58E-20 |
| chr14 | 70295001 | 70300000 | 2.27E-17 |
| chr14 | 70297001 | 70302000 | 1.01E-07 |
| chr14 | 70383001 | 70388000 | 2.80E-15 |
| chr14 | 70384001 | 70389000 | 7.27E-21 |
| chr14 | 70385001 | 70390000 | 3.12E-16 |
| chr14 | 70404001 | 70409000 | 2.60E-12 |
| chr14 | 70477001 | 70482000 | 2.03E-15 |
| chr14 | 70478001 | 70482000 | 4.50E-13 |
| chr14 | 70479001 | 70484000 | 2.13E-13 |
| chr14 | 70536001 | 70541000 | 2.24E-10 |
| chr14 | 70543001 | 70548000 | 4.02E-11 |
| chr14 | 70544001 | 70549000 | 2.10E-08 |
| chr14 | 70910001 | 70915000 | 0.000103653 |
| chr14 | 70911001 | 70916000 | 6.94E-05 |
| chr14 | 71013001 | 71018000 | 0.000912609 |
| chr14 | 71076001 | 71081000 | 1.05E-06 |
| chr14 | 72651001 | 72656000 | 6.27E-05 |
| chr14 | 74206001 | 74211000 | 2.51E-06 |
| chr14 |    |    |       |
|-------|----|----|-------|
|       |    |    | 4.73E-10 |
|       |    |    | 3.19E-09 |
|       |    |    | 1.38E-14 |
|       |    |    | 2.89E-06 |
|       |    |    | 1.92E-08 |
|       |    |    | 6.68E-14 |
|       |    |    | 1.74E-05 |
|       |    |    | 3.01E-11 |
|       |    |    | 2.71E-13 |
|       |    |    | 2.58E-07 |
|       |    |    | 9.85E-06 |
|       |    |    | 2.89E-11 |
|       |    |    | 1.11E-10 |
|       |    |    | 3.11E-09 |
|       |    |    | 8.12E-07 |
|       |    |    | 6.40E-12 |
|       |    |    | 9.02E-11 |
|       |    |    | 2.96E-14 |
|       |    |    | 6.21E-12 |
|       |    |    | 4.06E-12 |
|       |    |    | 2.12E-07 |
|       |    |    | 1.11E-08 |
|       |    |    | 1.52E-09 |
|       |    |    | 9.19E-05 |
|       |    |    | 3.64E-06 |
|       |    |    | 1.47E-05 |
|       |    |    | 2.37E-05 |
|       |    |    | 5.06E-05 |
|       |    |    | 3.66E-06 |
|       |    |    | 9.59E-09 |
|       |    |    | 1.66E-08 |
|       |    |    | 7.55E-06 |
|       |    |    | 3.67E-07 |
|       |    |    | 8.57E-05 |
|       |    |    | 8.67E-11 |
|       |    |    | 1.23E-07 |
|       |    |    | 1.09E-07 |
|       |    |    | 8.35E-06 |
|       |    |    | 0.000231542 |
|       |    |    | 0.000229726 |
|       |    |    | 0.000127432 |
|       |    |    | 0.000115674 |
|       |    |    | 0.003154311 |
|       |    |    | 1.84E-10 |
|       |    |    | 1.12E-09 |
|       |    |    | 2.14E-09 |
| Chr  | Start1 | End1  | p     |
|------|--------|-------|-------|
| chr14| 80735001 | 80740000 | 0.005801658 |
| chr14| 80746001 | 80751000 | 8.32E-05 |
| chr14| 80838001 | 80843000 | 8.26E-06 |
| chr14| 80855001 | 80860000 | 0.000404998 |
| chr14| 80856001 | 80861000 | 1.31E-06 |
| chr14| 80857001 | 80862000 | 0.000257739 |
| chr14| 80997001 | 81002000 | 4.16E-06 |
| chr14| 80998001 | 81003000 | 7.07E-07 |
| chr14| 81239001 | 81244000 | 0.000102037 |
| chr14| 81426001 | 81431000 | 2.90E-05 |
| chr14| 81924001 | 81929000 | 3.37E-13 |
| chr14| 81927001 | 81932000 | 9.33E-26 |
| chr14| 81928001 | 81933000 | 1.70E-21 |
| chr14| 82082001 | 82087000 | 9.20E-08 |
| chr14| 82083001 | 82088000 | 4.25E-09 |
| chr14| 82187001 | 82192000 | 0.000376497 |
| chr14| 82188001 | 82193000 | 0.003436157 |
| chr14| 82267001 | 82272000 | 5.01E-07 |
| chr14| 82304001 | 82309000 | 9.84E-08 |
| chr14| 82305001 | 82310000 | 3.99E-10 |
| chr14| 82385001 | 82390000 | 2.38E-15 |
| chr14| 82387001 | 82392000 | 1.25E-14 |
| chr14| 82388001 | 82393000 | 1.16E-13 |
| chr14| 82389001 | 82394000 | 9.18E-15 |
| chr14| 82404001 | 82409000 | 2.29E-06 |
| chr14| 82441001 | 82446000 | 0.004332852 |
| chr14| 82444001 | 82449000 | 5.10E-05 |
| chr14| 82445001 | 82450000 | 0.000461547 |
| chr14| 82446001 | 82451000 | 0.000154609 |
| chr14| 82447001 | 82452000 | 4.17E-06 |
| chr14| 82623001 | 82628000 | 7.29E-05 |
| chr14| 82624001 | 82629000 | 1.52E-05 |
| chr14| 82627001 | 82632000 | 6.62E-05 |
| chr14| 82758001 | 82763000 | 2.90E-06 |
| chr14| 82762001 | 82767000 | 1.42E-05 |
| chr14| 83078001 | 83083000 | 0.003707152 |
| chr14| 83162001 | 83167000 | 0.000821846 |
| chr14| 83227001 | 83232000 | 0.00037456 |
| chr14| 83376001 | 83381000 | 3.42E-05 |
| chr14| 83377001 | 83382000 | 4.01E-06 |
| chr14| 83378001 | 83383000 | 8.54E-07 |
| chr14| 83379001 | 83384000 | 9.63E-08 |
| chr14| 83380001 | 83385000 | 9.76E-09 |
| chr14| 83381001 | 83386000 | 4.45E-05 |
| chr14| 83383001 | 83388000 | 0.000973602 |
| chr14| 83419001 | 83424000 | 0.002975583 |
| chr14| 83420001 | 83425000 | 0.000903946 |
| chr14| 83421001 | 83426000 | 0.000839813 |
| Chromosome | Start Position | End Position | Log10 P Value |
|------------|----------------|--------------|--------------|
| chr14      | 83422001       | 83427000     | 0.001987541  |
| chr14      | 83423001       | 83428000     | 0.001257563  |
| chr14      | 83444001       | 83449000     | 0.000144293  |
| chr14      | 83451001       | 83456000     | 1.48E-06     |
| chr14      | 84294001       | 84299000     | 0.004975997  |
| chr14      | 84339001       | 84344000     | 9.02E-10     |
| chr14      | 84437001       | 84442000     | 1.03E-07     |
| chr14      | 84539001       | 84544000     | 1.44E-06     |
| chr14      | 84699001       | 84704000     | 1.06E-05     |
| chr14      | 84700001       | 84705000     | 4.14E-06     |
| chr14      | 84906001       | 84911000     | 1.28E-06     |
| chr14      | 84907001       | 84912000     | 6.47E-06     |
| chr14      | 84937001       | 84942000     | 7.82E-07     |
| chr14      | 85013001       | 85018000     | 0.002251977  |
| chr14      | 85065001       | 85070000     | 9.09E-05     |
| chr14      | 85213001       | 85218000     | 0.002922522  |
| chr14      | 85214001       | 85219000     | 0.000422005  |
| chr14      | 85215001       | 85220000     | 4.96E-06     |
| chr14      | 85216001       | 85221000     | 1.27E-05     |
| chr14      | 85217001       | 85222000     | 5.06E-07     |
| chr14      | 85218001       | 85223000     | 2.71E-05     |
| chr14      | 85221001       | 85226000     | 0.001134478  |
| chr14      | 85365001       | 85370000     | 0.000112251  |
| chr14      | 85513001       | 85518000     | 6.00E-07     |
| chr14      | 85533001       | 85538000     | 4.97E-08     |
| chr14      | 85534001       | 85539000     | 3.42E-08     |
| chr14      | 85535001       | 85540000     | 1.27E-06     |
| chr14      | 85559001       | 85564000     | 0.002216796  |
| chr14      | 85560001       | 85565000     | 0.001179312  |
| chr14      | 85561001       | 85566000     | 0.000453609  |
| chr14      | 85562001       | 85567000     | 0.000789474  |
| chr14      | 85676001       | 85681000     | 0.000103927  |
| chr14      | 85765001       | 85770000     | 5.04E-08     |
| chr14      | 85766001       | 85771000     | 3.00E-07     |
| chr14      | 85905001       | 85910000     | 2.45E-08     |
| chr14      | 85906001       | 85911000     | 2.60E-07     |
| chr14      | 86255001       | 86260000     | 4.92E-06     |
| chr14      | 86256001       | 86261000     | 2.45E-05     |
| chr14      | 86257001       | 86262000     | 3.21E-06     |
| chr14      | 86258001       | 86263000     | 6.12E-06     |
| chr14      | 86470001       | 86475000     | 0.000197532  |
| chr14      | 86482001       | 86487000     | 4.17E-05     |
| chr14      | 86483001       | 86488000     | 1.53E-06     |
| chr14      | 86484001       | 86489000     | 4.88E-05     |
| chr14      | 86485001       | 86490000     | 7.53E-05     |
| chr14      | 86525001       | 86530000     | 8.09E-05     |
| chr14      | 86535001       | 86540000     | 3.52E-10     |
| chr14      | 86536001       | 86541000     | 1.58E-09     |
| Chromosome | Start Base | End Base | Log10(P-value) |
|------------|------------|----------|----------------|
| chr14      | 86548001   | 86553000 | 0.011804298    |
| chr14      | 86554001   | 86559000 | 0.001621656    |
| chr14      | 86555001   | 86560000 | 5.98E-05       |
| chr14      | 86556001   | 86561000 | 6.14E-05       |
| chr14      | 86557001   | 86562000 | 0.000423701    |
| chr14      | 86558001   | 86563000 | 0.001192814    |
| chr14      | 86603001   | 86608000 | 0.000422005    |
| chr14      | 86604001   | 86609000 | 0.000206889    |
| chr14      | 86607001   | 86612000 | 1.32E-05       |
| chr14      | 86608001   | 86613000 | 1.43E-06       |
| chr14      | 86609001   | 86614000 | 1.67E-05       |
| chr14      | 86610001   | 86615000 | 2.23E-07       |
| chr14      | 86640001   | 86645000 | 1.23E-06       |
| chr14      | 86641001   | 86646000 | 0.000155644    |
| chr14      | 86678001   | 86683000 | 0.001919718    |
| chr14      | 86696001   | 86701000 | 0.00773554     |
| chr14      | 86726001   | 86731000 | 5.65E-05       |
| chr14      | 86743001   | 86748000 | 0.000205155    |
| chr14      | 86744001   | 86749000 | 2.43E-05       |
| chr14      | 86745001   | 86750000 | 1.42E-05       |
| chr14      | 86746001   | 86751000 | 7.38E-06       |
| chr14      | 86751001   | 86756000 | 0.001011135    |
| chr14      | 86752001   | 86757000 | 9.04E-06       |
| chr14      | 86753001   | 86758000 | 7.54E-06       |
| chr14      | 86811001   | 86816000 | 0.005714154    |
| chr14      | 86894001   | 86899000 | 1.21E-07       |
| chr14      | 86895001   | 86900000 | 6.57E-08       |
| chr14      | 86948001   | 86953000 | 4.18E-06       |
| chr14      | 86985001   | 86990000 | 2.35E-05       |
| chr14      | 87120001   | 87125000 | 0.005678246    |
| chr14      | 87121001   | 87126000 | 0.005379997    |
| chr14      | 87175001   | 87180000 | 0.000488957    |
| chr14      | 87182001   | 87187000 | 4.44E-05       |
| chr14      | 87189001   | 87194000 | 0.00036347     |
| chr14      | 87190001   | 87195000 | 0.000540738    |
| chr14      | 87191001   | 87196000 | 7.78E-05       |
| chr14      | 87204001   | 87209000 | 0.000189982    |
| chr14      | 87205001   | 87210000 | 2.35E-05       |
| chr14      | 87206001   | 87211000 | 2.92E-05       |
| chr14      | 87207001   | 87212000 | 0.000823452    |
| chr14      | 87230001   | 87235000 | 0.000199985    |
| chr14      | 87242001   | 87247000 | 0.000108577    |
| chr14      | 87251001   | 87256000 | 0.000162993    |
| chr14      | 87303001   | 87308000 | 2.48E-05       |
| chr14      | 87304001   | 87309000 | 0.000455256    |
| chr14      | 87305001   | 87310000 | 0.000707704    |
| chr14      | 87306001   | 87311000 | 0.000271255    |
| chr14      | 87313001   | 87318000 | 0.003735463    |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr14      | 87458001       | 87463000     | 4.05E-08|
| chr14      | 87492001       | 87497000     | 1.98E-09|
| chr14      | 87493001       | 87498000     | 5.09E-10|
| chr14      | 87504001       | 87509000     | 8.02E-06|
| chr14      | 87505001       | 87510000     | 4.07E-05|
| chr14      | 87506001       | 87511000     | 3.81E-05|
| chr14      | 87565001       | 87570000     | 0.00074337|
| chr14      | 87566001       | 87571000     | 0.00243572|
| chr14      | 87577001       | 87572000     | 0.00065242|
| chr14      | 87568001       | 87573000     | 0.000468697|
| chr14      | 87569001       | 87574000     | 0.012201981|
| chr14      | 87586001       | 87591000     | 0.000101611|
| chr14      | 87608001       | 87613000     | 1.01E-07|
| chr14      | 87609001       | 87614000     | 5.78E-05|
| chr14      | 87620001       | 87625000     | 2.81E-06|
| chr14      | 87621001       | 87626000     | 1.80E-07|
| chr14      | 87641001       | 87646000     | 2.29E-05|
| chr14      | 87643001       | 87648000     | 6.93E-05|
| chr14      | 87644001       | 87649000     | 9.36E-06|
| chr14      | 87645001       | 87650000     | 8.17E-05|
| chr14      | 87649001       | 87654000     | 2.34E-06|
| chr14      | 87656001       | 87661000     | 0.000233156|
| chr14      | 87658001       | 87663000     | 0.003813192|
| chr14      | 87661001       | 87666000     | 2.36E-06|
| chr14      | 87662001       | 87667000     | 2.56E-05|
| chr14      | 87681001       | 87686000     | 1.40E-05|
| chr14      | 87682001       | 87687000     | 1.61E-06|
| chr14      | 87683001       | 87688000     | 6.34E-09|
| chr14      | 87684001       | 87689000     | 2.49E-08|
| chr14      | 87695001       | 87700000     | 0.000646134|
| chr14      | 87696001       | 87701000     | 0.000680426|
| chr14      | 87697001       | 87702000     | 4.10E-12|
| chr14      | 87698001       | 87703000     | 7.18E-12|
| chr14      | 87699001       | 87704000     | 2.35E-10|
| chr14      | 87713001       | 87718000     | 5.20E-08|
| chr14      | 87714001       | 87719000     | 4.64E-10|
| chr14      | 87715001       | 87720000     | 4.15E-10|
| chr14      | 87716001       | 87721000     | 5.04E-14|
| chr14      | 87717001       | 87722000     | 3.54E-10|
| chr14      | 87725001       | 87730000     | 3.63E-06|
| chr14      | 87726001       | 87731000     | 0.001053871|
| chr14      | 87739001       | 87744000     | 0.001948696|
| chr14      | 87740001       | 87745000     | 0.00158306|
| chr14      | 87749001       | 87754000     | 6.10E-07|
| chr14      | 87750001       | 87755000     | 7.65E-06|
| chr14      | 87751001       | 87756000     | 0.00029215|
| chr14      | 87752001       | 87757000     | 0.000976166|
| chr14      | 87753001       | 87758000     | 0.00033539|
| chr14 | start   | end     | p-value       |
|-------|---------|---------|--------------|
| 87754001 | 87759000 | 0.001696507 |
| 87774001 | 87779000 | 0.00121132  |
| 87775001 | 87780000 | 0.000944452 |
| 87784001 | 87789000 | 3.61E-05    |
| 87785001 | 87790000 | 2.26E-05    |
| 87786001 | 87791000 | 0.000154559 |
| 87787001 | 87792000 | 0.000149242 |
| 87788001 | 87793000 | 0.000524194 |
| 87799001 | 87804000 | 4.19E-06    |
| 87827001 | 87832000 | 7.96E-06    |
| 87857001 | 87862000 | 0.002529021 |
| 87871001 | 87876000 | 0.006940389 |
| 87913001 | 87918000 | 1.43E-06    |
| 87914001 | 87919000 | 3.01E-08    |
| 87915001 | 87920000 | 3.57E-08    |
| 87926001 | 87931000 | 2.31E-07    |
| 87927001 | 87932000 | 1.41E-06    |
| 87928001 | 87933000 | 1.28E-08    |
| 87991001 | 87996000 | 1.70E-06    |
| 87994001 | 87999000 | 8.61E-10    |
| 87995001 | 88000000 | 1.58E-10    |
| 87998001 | 88003000 | 0.000889387 |
| 88049001 | 88054000 | 1.95E-05    |
| 88052001 | 88057000 | 0.00142893  |
| 90548001 | 90553000 | 0.000130143 |
| 90549001 | 90554000 | 3.84E-06    |
| 90550001 | 90555000 | 2.33E-09    |
| 90551001 | 90556000 | 8.13E-08    |
| 91683001 | 91688000 | 1.66E-06    |
| 93809001 | 93814000 | 1.24E-19    |
| 93849001 | 93854000 | 4.22E-05    |
| 93910001 | 93915000 | 5.70E-07    |
| 93998001 | 94003000 | 6.85E-10    |
| 94198001 | 94203000 | 2.62E-10    |
| 94590001 | 94595000 | 1.01E-06    |
| 94592001 | 94597000 | 1.59E-09    |
| 94649001 | 94654000 | 1.06E-05    |
| 95986001 | 95991000 | 4.30E-10    |
| 96279001 | 96284000 | 1.98E-08    |
| 96280001 | 96285000 | 1.17E-11    |
| 96281001 | 96286000 | 1.59E-10    |
| 96282001 | 96287000 | 2.47E-08    |
| 97316001 | 97321000 | 0.000985718 |
| 97537001 | 97542000 | 5.47E-11    |
| 97538001 | 97543000 | 4.61E-11    |
| 97887001 | 97892000 | 0.00016031  |
| Chromosome | Start | End   | P-value     |
|------------|-------|-------|-------------|
| chr14      | 98972001 | 98977000 | 0.000292409 |
| chr14      | 99133001 | 99138000 | 0.006230935 |
| chr14      | 100061001 | 100066000 | 7.73E-11    |
| chr14      | 100062001 | 100067000 | 1.57E-06    |
| chr14      | 100064001 | 100069000 | 2.21E-06    |
| chr14      | 100539001 | 100544000 | 7.03E-18    |
| chr14      | 101025001 | 101030000 | 8.88E-09    |
| chr14      | 101026001 | 101031000 | 1.03E-16    |
| chr14      | 101027001 | 101032000 | 2.04E-15    |
| chr14      | 101074001 | 101079000 | 5.07E-13    |
| chr14      | 101076001 | 101081000 | 4.37E-12    |
| chr14      | 101077001 | 101082000 | 1.48E-11    |
| chr14      | 101229001 | 101234000 | 3.58E-11    |
| chr14      | 101299001 | 101304000 | 2.96E-05    |
| chr14      | 101381001 | 101386000 | 9.96E-07    |
| chr14      | 101382001 | 101387000 | 2.25E-06    |
| chr14      | 101425001 | 101430000 | 2.90E-06    |
| chr14      | 101575001 | 101580000 | 1.74E-14    |
| chr14      | 101577001 | 101582000 | 4.02E-13    |
| chr14      | 101578001 | 101583000 | 9.75E-17    |
| chr14      | 102184001 | 102189000 | 8.36E-11    |
| chr14      | 102651001 | 102656000 | 1.77E-10    |
| chr14      | 104333001 | 104338000 | 5.18E-15    |
| chr14      | 104334001 | 104339000 | 1.34E-18    |
| chr14      | 104335001 | 104340000 | 2.79E-24    |
| chr14      | 104336001 | 104341000 | 2.57E-15    |
| chr14      | 104337001 | 104342000 | 1.69E-14    |
| chr14      | 104338001 | 104339000 | 1.34E-14    |
| chr14      | 104339001 | 104340000 | 2.80E-12    |
| chr14      | 104568001 | 104573000 | 2.51E-15    |
| chr14      | 104569001 | 104574000 | 3.12E-13    |
| chr14      | 104570001 | 104575000 | 1.30E-20    |
| chr14      | 104571001 | 104576000 | 5.50E-26    |
| chr14      | 104572001 | 104577000 | 4.43E-26    |
| chr14      | 104573001 | 104578000 | 7.41E-26    |
| chr14      | 104574001 | 104579000 | 1.18E-22    |
| chr14      | 104575001 | 104580000 | 4.66E-15    |
| chr14      | 104596001 | 104601000 | 3.12E-13    |
| chr14      | 104639001 | 104644000 | 4.62E-28    |
| chr14      | 104640001 | 104645000 | 4.61E-26    |
| chr14      | 104641001 | 104646000 | 2.81E-26    |
| chr14      | 104642001 | 104647000 | 3.03E-21    |
| chr14      | 104643001 | 104648000 | 3.11E-28    |
| chr14      | 104682001 | 104687000 | 0.000632537  |
| chr14      | 104703001 | 104708000 | 1.33E-15    |
| chr14      | 104767001 | 104772000 | 4.02E-14    |
| chr14      | 104768001 | 104773000 | 6.90E-11    |
| chr14      | 105539001 | 105544000 | 1.35E-07    |
| Chromosome | Start (bp) | End (bp) | p-value |
|------------|------------|----------|---------|
| chr14      | 105542001  | 105547000| 1.88E-11 |
| chr14      | 105842001  | 105847000| 3.46E-07 |
| chr14      | 106332001  | 106337000| 5.90E-10 |
| chr14      | 106333001  | 106338000| 3.84E-15 |
| chr14      | 106488001  | 106493000| 7.54E-11 |
| chr14      | 106592001  | 106597000| 0.000277429 |
| chr14      | 106693001  | 106698000| 0.000191099 |
| chr14      | 106735001  | 106740000| 1.65E-05 |
| chr15      | 20786001   | 20791000 | 0.000175503 |
| chr15      | 23815001   | 23820000 | 3.23E-10 |
| chr15      | 23476001   | 23810000 | 2.24E-06 |
| chr15      | 24377001   | 24382000 | 1.11E-07 |
| chr15      | 24379001   | 24384000 | 0.000246798 |
| chr15      | 26528001   | 26533000 | 1.26E-06 |
| chr15      | 26530001   | 26535000 | 0.000332622 |
| chr15      | 26702001   | 26707000 | 4.21E-07 |
| chr15      | 26769001   | 26774000 | 3.68E-05 |
| chr15      | 29037001   | 29042000 | 0.001221384 |
| chr15      | 30472001   | 30477000 | 0.001350276 |
| chr15      | 30473001   | 30478000 | 9.05E-05 |
| chr15      | 31076001   | 31081000 | 0.011521479 |
| chr15      | 31079001   | 31084000 | 3.54E-08 |
| chr15      | 31080001   | 31085000 | 4.27E-08 |
| chr15      | 31101001   | 31106000 | 1.42E-08 |
| chr15      | 31118001   | 31119000 | 4.47E-06 |
| chr15      | 31118701   | 31119200 | 9.72E-08 |
| chr15      | 31995001   | 32000000 | 0.001466601 |
| chr15      | 32570001   | 32575000 | 0.000414874 |
| chr15      | 32861001   | 32866000 | 0.002059829 |
| chr15      | 33003001   | 33008000 | 1.40E-13 |
| chr15      | 33004001   | 33009000 | 1.25E-16 |
| chr15      | 33133001   | 33138000 | 2.00E-07 |
| chr15      | 33491001   | 33496000 | 6.03E-21 |
| chr15      | 33492001   | 33497000 | 3.77E-17 |
| chr15      | 33493001   | 33498000 | 8.48E-17 |
| chr15      | 34907001   | 34912000 | 0.001105126 |
| chr15      | 35143001   | 35148000 | 5.94E-07 |
| chr15      | 36365001   | 36370000 | 0.006345461 |
| chr15      | 36366001   | 36371000 | 0.004849706 |
| chr15      | 36367001   | 36372000 | 0.003762786 |
| chr15      | 36647001   | 36652000 | 0.000331866 |
| chr15      | 37194001   | 37199000 | 5.08E-05 |
| chr15      | 37443001   | 37448000 | 0.00014941 |
| chr15      | 37741001   | 37746000 | 0.003872754 |
| chr15      | 37779001   | 37784000 | 1.60E-11 |
| chr15      | 37780001   | 37785000 | 3.29E-10 |
| chr15      | 37781001   | 37786000 | 5.09E-10 |
| chr15      | 38032001   | 38037000 | 1.76E-05 |
| Chr  | Start  | End    | P-value       |
|------|--------|--------|---------------|
| chr15| 38105001 | 38110000 | 0.001240095   |
| chr15| 38136001 | 38141000 | 0.004420774   |
| chr15| 38164001 | 38169000 | 9.34E-07      |
| chr15| 38175001 | 38180000 | 4.92E-06      |
| chr15| 38682001 | 38687000 | 8.77E-05      |
| chr15| 38977001 | 38982000 | 0.000218509   |
| chr15| 39334001 | 39339000 | 0.000231657   |
| chr15| 39336001 | 39341000 | 9.34E-07      |
| chr15| 39336001 | 39341000 | 4.92E-06      |
| chr15| 39458001 | 39463000 | 0.001632445   |
| chr15| 39462001 | 39467000 | 8.77E-05      |
| chr15| 39462001 | 39467000 | 0.000229416   |
| chr15| 40127001 | 40132000 | 9.12E-09      |
| chr15| 40563001 | 40568000 | 4.64E-12      |
| chr15| 40793001 | 40798000 | 1.09E-05      |
| chr15| 40794001 | 40799000 | 3.05E-14      |
| chr15| 40563001 | 40568000 | 1.42E-23      |
| chr15| 40563001 | 40568000 | 1.74E-24      |
| chr15| 42121001 | 42126000 | 4.58E-20      |
| chr15| 42123001 | 42128000 | 8.60E-10      |
| chr15| 44008001 | 44013000 | 0.003561791   |
| chr15| 44009001 | 44014000 | 0.000364381   |
| chr15| 44130001 | 44135000 | 2.76E-07      |
| chr15| 44421001 | 44426000 | 3.46E-11      |
| chr15| 44422001 | 44427000 | 9.34E-16      |
| chr15| 44423001 | 44428000 | 1.99E-14      |
| chr15| 44449001 | 44454000 | 4.81E-05      |
| chr15| 44450001 | 44455000 | 2.61E-10      |
| chr15| 44460001 | 44465000 | 5.93E-12      |
| chr15| 44461001 | 44466000 | 2.12E-11      |
| chr15| 44462001 | 44467000 | 3.66E-09      |
| chr15| 44527001 | 44532000 | 7.28E-16      |
| chr15| 44528001 | 44533000 | 4.49E-13      |
| chr15| 45486001 | 45491000 | 7.83E-19      |
| chr15| 45577001 | 45582000 | 1.60E-05      |
| chr15| 45733001 | 45738000 | 4.00E-10      |
| chr15| 45771001 | 45776000 | 0.000641493   |
| chr15| 46021001 | 46026000 | 1.99E-09      |
| chr15| 46134001 | 46139000 | 2.51E-05      |
| chr15| 46135001 | 46140000 | 3.25E-07      |
| chr15| 46186001 | 46191000 | 5.44E-05      |
| chr15| 46281001 | 46286000 | 9.70E-06      |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|-------------|---------|
| chr15      | 46404001       | 46409000    | 0.000775806 |
| chr15      | 46405001       | 46410000    | 0.001515562 |
| chr15      | 46444001       | 46449000    | 0.003096116 |
| chr15      | 46476001       | 46481000    | 9.95E-08 |
| chr15      | 46477001       | 46482000    | 2.11E-09 |
| chr15      | 46478001       | 46483000    | 2.11E-09 |
| chr15      | 46537001       | 46542000    | 1.34E-08 |
| chr15      | 46538001       | 46543000    | 6.38E-06 |
| chr15      | 46686001       | 46691000    | 1.02E-05 |
| chr15      | 46688001       | 46693000    | 0.00014422 |
| chr15      | 46856001       | 46861000    | 0.000108069 |
| chr15      | 47023001       | 47028000    | 0.000734538 |
| chr15      | 47119001       | 47124000    | 0.000161754 |
| chr15      | 47396001       | 47401000    | 0.000907459 |
| chr15      | 47634001       | 47639000    | 0.003211588 |
| chr15      | 47637001       | 47642000    | 5.00E-05 |
| chr15      | 47639001       | 47644000    | 0.000130128 |
| chr15      | 47640001       | 47645000    | 1.38E-06 |
| chr15      | 47661001       | 47666000    | 2.25E-10 |
| chr15      | 48024001       | 48029000    | 0.001942535 |
| chr15      | 48025001       | 48030000    | 0.000398636 |
| chr15      | 48117001       | 48122000    | 6.35E-05 |
| chr15      | 48174001       | 48179000    | 1.45E-06 |
| chr15      | 48175001       | 48180000    | 2.54E-06 |
| chr15      | 48176001       | 48181000    | 1.76E-06 |
| chr15      | 48416001       | 48421000    | 3.31E-05 |
| chr15      | 49717001       | 49722000    | 0.000735536 |
| chr15      | 49718001       | 49723000    | 0.000851357 |
| chr15      | 49719001       | 49724000    | 0.001678032 |
| chr15      | 49720001       | 49725000    | 0.000413736 |
| chr15      | 50461001       | 50466000    | 1.27E-09 |
| chr15      | 50462001       | 50467000    | 2.41E-11 |
| chr15      | 53069001       | 53074000    | 2.33E-05 |
| chr15      | 53320001       | 53325000    | 0.021288951 |
| chr15      | 53947001       | 53952000    | 2.57E-07 |
| chr15      | 53948001       | 53953000    | 1.18E-05 |
| chr15      | 54007001       | 54012000    | 2.10E-05 |
| chr15      | 54009001       | 54014000    | 5.75E-06 |
| chr15      | 54118001       | 54123000    | 2.00E-06 |
| chr15      | 54121001       | 54126000    | 1.51E-05 |
| chr15      | 54122001       | 54127000    | 0.000217553 |
| chr15      | 54124001       | 54129000    | 8.89E-06 |
| chr15      | 54187001       | 54192000    | 6.94E-14 |
| chr15      | 54455001       | 54460000    | 4.79E-05 |
| chr15      | 54459001       | 54464000    | 0.000237781 |
| chr15      | 55712001       | 55717000    | 0.007798007 |
| chr15      | 56078001       | 56083000    | 1.10E-07 |
| chr15      | 57503001       | 57508000    | 8.13E-06 |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr15      | 57504001 | 57509000 | 1.34E-06 |
| chr15      | 57505001 | 57510000 | 0.000430672 |
| chr15      | 57673001 | 57678000 | 3.56E-14 |
| chr15      | 59147001 | 59152000 | 3.00E-06 |
| chr15      | 60712001 | 60717000 | 3.25E-06 |
| chr15      | 63544001 | 63549000 | 9.55E-08 |
| chr15      | 65593001 | 65598000 | 2.86E-28 |
| chr15      | 66305001 | 66310000 | 1.35E-08 |
| chr15      | 66306001 | 66311000 | 1.07E-06 |
| chr15      | 66307001 | 66312000 | 0.000158175 |
| chr15      | 66308001 | 66313000 | 4.74E-06 |
| chr15      | 67158001 | 67163000 | 6.07E-05 |
| chr15      | 67693001 | 67698000 | 3.67E-10 |
| chr15      | 68544001 | 68549000 | 9.72E-09 |
| chr15      | 68553001 | 68558000 | 3.15E-05 |
| chr15      | 68554001 | 68559000 | 0.000103946 |
| chr15      | 68557001 | 68562000 | 4.88E-05 |
| chr15      | 68595001 | 68600000 | 1.35E-12 |
| chr15      | 68596001 | 68601000 | 1.39E-12 |
| chr15      | 71031001 | 71036000 | 8.95E-08 |
| chr15      | 72070001 | 72075000 | 2.60E-13 |
| chr15      | 74164001 | 74169000 | 3.46E-07 |
| chr15      | 74374001 | 74379000 | 0.016692442 |
| chr15      | 74568001 | 74573000 | 1.88E-10 |
| chr15      | 74710001 | 74715000 | 2.78E-18 |
| chr15      | 74711001 | 74716000 | 5.32E-13 |
| chr15      | 75042001 | 75047000 | 3.19E-10 |
| chr15      | 75043001 | 75048000 | 1.25E-11 |
| chr15      | 75044001 | 75049000 | 5.30E-07 |
| chr15      | 75269001 | 75274000 | 2.34E-08 |
| chr15      | 75306001 | 75311000 | 7.75E-06 |
| chr15      | 75942001 | 75947000 | 4.67E-15 |
| chr15      | 76681001 | 76686000 | 3.45E-06 |
| chr15      | 77317001 | 77322000 | 0.00345913 |
| chr15      | 78102001 | 78107000 | 5.06E-07 |
| chr15      | 80360001 | 80365000 | 1.82E-14 |
| chr15      | 80361001 | 80366000 | 6.83E-11 |
| chr15      | 81691001 | 81696000 | 7.84E-06 |
| chr15      | 84947001 | 84952000 | 0.000319077 |
| chr15      | 85726001 | 85731000 | 2.80E-06 |
| chr15      | 85983001 | 85988000 | 1.18E-09 |
| chr15      | 85984001 | 85989000 | 1.18E-09 |
| chr15      | 85985001 | 85990000 | 4.73E-10 |
| chr15      | 87356001 | 87361000 | 2.97E-07 |
| chr15      | 87521001 | 87526000 | 2.41E-05 |
| chr15      | 87699001 | 87704000 | 0.002984882 |
| chr15      | 87949001 | 87954000 | 5.75E-05 |
| chr15      | 89881001 | 89886000 | 5.94E-11 |
| Chromosome | Start | End  | P-value |
|------------|-------|------|---------|
| chr16      | 722001| 727000| 2.14E-18 |
| chr16      | 823001| 828000| 3.52E-12 |
| chr16      | 1152001| 1157000| 1.36E-07 |
| chr16      | 1153001| 1158000| 1.62E-10 |
| chr16      | 1154001| 1159000| 7.77E-11 |
| chr16      | 1196001| 1201000| 3.34E-25 |
| chr16      | 1209001| 1214000| 3.64E-19 |
| chr16      | 1210001| 1215000| 1.49E-19 |
| chr16      | 1211001| 1216000| 2.08E-16 |
| chr16      | 1213001| 1218000| 9.52E-28 |
| chr16      | 1214001| 1219000| 1.06E-24 |
| chr16      | 1215001| 1220000| 4.86E-26 |
| chr16      | 1216001| 1221000| 1.70E-27 |
| chr16      | 1217001| 1222000| 9.18E-26 |
| chr16      | 1254001| 1259000| 0.003808254 |
| chr16      | 1573001| 1578000| 8.67E-12 |
| chr16      | 1574001| 1579000| 4.66E-10 |
| chr16      | 1575001| 1580000| 3.57E-12 |
| chr16      | 2053001| 2058000| 1.45E-19 |
| chr16      | 2054001| 2059000| 7.86E-19 |
| chr16      | 2691001| 2696000| 0.000226652 |
| chr16      | 2785001| 2790000| 2.65E-09 |
| chr16      | 2786001| 2791000| 1.87E-05 |
| chr16      | 2976001| 2981000| 1.70E-14 |
| chr16      | 2977001| 2982000| 2.35E-15 |
| chr16      | 4136001| 4141000| 1.14E-20 |
| chr16      | 4137001| 4142000| 6.08E-25 |
| chr16      | 4699001| 4704000| 6.72E-07 |
| chr16      | 4700001| 4705000| 4.87E-10 |
| chr16      | 4792001| 4797000| 1.31E-07 |
| chr16      | 6632001| 6637000| 2.52E-08 |
| chr16      | 6633001| 6638000| 6.09E-10 |
| chr16      | 6776001| 6781000| 0.000648279 |
| chr16      | 7092001| 7097000| 2.23E-05 |
| chr16      | 7093001| 7098000| 2.19E-05 |
| chr16      | 7296001| 7301000| 1.48E-06 |
| chr16      | 9239001| 9244000| 3.61E-13 |
| chr16      | 9241001| 9246000| 1.92E-12 |
| chr16      | 11392001| 11397000| 4.02E-11 |
| chr16      | 11393001| 11398000| 4.30E-09 |
| chr16      | 11394001| 11399000| 1.65E-08 |
| chr16      | 11551001| 11556000| 1.02E-15 |
| chr16      | 11875001| 11880000| 1.19E-10 |
| chr16      | 11877001| 11882000| 2.22E-14 |
| chr16      | 11880001| 11885000| 2.24E-15 |
| chr16      | 11881001| 11886000| 1.87E-13 |
| chr16      | 13103001| 13108000| 7.05E-10 |
| chr16      | 13105001| 13110000| 2.15E-11 |
| Chr  | Start Position | End Position | p-value |
|------|----------------|--------------|---------|
| chr16| 15409001       | 15414000     | 0.003372832 |
| chr16| 15738001       | 15743000     | 1.81E-15   |
| chr16| 16097001       | 16102000     | 5.26E-06   |
| chr16| 16572001       | 16577000     | 0.000443975 |
| chr16| 16573001       | 16578000     | 9.51E-05   |
| chr16| 17921001       | 17926000     | 1.80E-06   |
| chr16| 18553001       | 18558000     | 4.03E-08   |
| chr16| 18554001       | 18559000     | 3.68E-07   |
| chr16| 18555001       | 18560000     | 3.03E-07   |
| chr16| 21232001       | 21237000     | 1.01E-07   |
| chr16| 21233001       | 21238000     | 8.79E-07   |
| chr16| 23387001       | 23392000     | 0.002420155 |
| chr16| 23388001       | 23393000     | 0.00082651 |
| chr16| 23543001       | 23548000     | 3.35E-09   |
| chr16| 23544001       | 23549000     | 3.83E-08   |
| chr16| 23877001       | 23882000     | 1.34E-07   |
| chr16| 23996001       | 24001000     | 4.36E-06   |
| chr16| 23997001       | 24002000     | 4.30E-15   |
| chr16| 23998001       | 24003000     | 1.59E-14   |
| chr16| 24877001       | 24882000     | 2.77E-05   |
| chr16| 25054001       | 25059000     | 3.57E-09   |
| chr16| 25055001       | 25060000     | 1.68E-09   |
| chr16| 25066001       | 25071000     | 5.68E-08   |
| chr16| 26374001       | 26379000     | 0.000694379 |
| chr16| 26457001       | 26462000     | 2.64E-06   |
| chr16| 26559001       | 26564000     | 0.000561872 |
| chr16| 26560001       | 26565000     | 0.00084162 |
| chr16| 30012001       | 30017000     | 3.83E-19   |
| chr16| 30013001       | 30018000     | 2.06E-24   |
| chr16| 30014001       | 30019000     | 3.71E-24   |
| chr16| 30015001       | 30020000     | 1.00E-22   |
| chr16| 30049001       | 30054000     | 1.72E-16   |
| chr16| 30050001       | 30055000     | 1.09E-13   |
| chr16| 30360001       | 30365000     | 3.95E-06   |
| chr16| 30361001       | 30366000     | 3.30E-05   |
| chr16| 30504001       | 30509000     | 5.69E-11   |
| chr16| 30749001       | 30754000     | 4.56E-16   |
| chr16| 30750001       | 30755000     | 7.39E-12   |
| chr16| 31137001       | 31142000     | 1.88E-13   |
| chr16| 31138001       | 31143000     | 1.08E-13   |
| chr16| 31139001       | 31144000     | 1.52E-16   |
| chr16| 31140001       | 31145000     | 4.10E-09   |
| chr16| 31141001       | 31146000     | 3.22E-10   |
| chr16| 31886001       | 31891000     | 1.36E-10   |
| chr16| 32999001       | 33004000     | 0.004654391 |
| chr16| 33299001       | 33304000     | 1.69E-07   |
| chr16| 33683001       | 33688000     | 0.000697314 |
| chr16| 33774001       | 33779000     | 4.65E-08   |
| chr16 | 34304001 | 34309000 | 0.009888667 |
| chr16 | 34329001 | 34334000 | 1.34E-06   |
| chr16 | 34563001 | 34568000 | 6.79E-05   |
| chr16 | 34564001 | 34569000 | 9.43E-05   |
| chr16 | 34565001 | 34570000 | 0.000643239|
| chr16 | 34567001 | 34572000 | 0.001015544|
| chr16 | 34564001 | 34569000 | 9.43E-05   |
| chr16 | 34570001 | 34572000 | 0.000643239|
| chr16 | 48178001 | 48183000 | 9.03E-12   |
| chr16 | 48179001 | 48184000 | 5.86E-11   |
| chr16 | 49266001 | 49271000 | 0.000125056|
| chr16 | 49975001 | 49980000 | 0.000295695|
| chr16 | 51530001 | 51535000 | 5.10E-08   |
| chr16 | 51531001 | 51536000 | 2.96E-07   |
| chr16 | 51903001 | 51908000 | 0.005426   |
| chr16 | 52543001 | 52548000 | 0.000415406|
| chr16 | 52545001 | 52550000 | 7.47E-05   |
| chr16 | 52586001 | 52591000 | 7.91E-05   |
| chr16 | 53113001 | 53118000 | 6.70E-06   |
| chr16 | 55585001 | 55590000 | 0.009801807|
| chr16 | 55599001 | 55604000 | 1.41E-05   |
| chr16 | 55665001 | 55670000 | 3.82E-05   |
| chr16 | 55924001 | 55929000 | 2.87E-05   |
| chr16 | 56379001 | 56384000 | 3.97E-17   |
| chr16 | 56380001 | 56385000 | 7.97E-18   |
| chr16 | 56968001 | 56973000 | 1.52E-14   |
| chr16 | 56969001 | 56974000 | 7.06E-08   |
| chr16 | 57118001 | 57123000 | 1.08E-09   |
| chr16 | 57212001 | 57217000 | 0.000149724|
| chr16 | 57341001 | 57346000 | 4.76E-05   |
| chr16 | 57414001 | 57419000 | 1.30E-07   |
| chr16 | 57616001 | 57621000 | 3.40E-09   |
| chr16 | 57635001 | 57640000 | 4.12E-19   |
| chr16 | 58102001 | 58107000 | 1.32E-10   |
| chr16 | 58538001 | 58543000 | 7.47E-07   |
| chr16 | 58539001 | 58544000 | 4.99E-05   |
| chr16 | 58657001 | 58662000 | 1.41E-09   |
| chr16 | 58966001 | 58971000 | 6.85E-08   |
| chr16 | 59079001 | 59084000 | 1.31E-07   |
| chr16 | 59080001 | 59085000 | 2.16E-08   |
| chr16 | 59147001 | 59152000 | 3.51E-06   |
| chr16 | 59204001 | 59209000 | 8.68E-09   |
| chr16 | 59356001 | 59361000 | 1.01E-07   |
| chr16 | 59410001 | 59415000 | 0.012865564|
| chr16 | 59464001 | 59469000 | 4.95E-05   |
| chr16 | 59466001 | 59471000 | 0.000441755|
| chr16 | 59535001 | 59540000 | 1.79E-06   |
| chr16 | 59566001 | 59571000 | 3.54E-07   |
| chr16 | 59570001 | 59575000 | 0.000179569|
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr16      | 59571001 | 59576000 | 0.00300538 |
| chr16      | 59774001 | 59779000 | 0.01438328 |
| chr16      | 59956001 | 59961000 | 0.000536588 |
| chr16      | 59982001 | 59987000 | 4.46E-07   |
| chr16      | 59983001 | 59988000 | 6.41E-11   |
| chr16      | 60000001 | 60005000 | 0.001728354 |
| chr16      | 60001001 | 60006000 | 1.77E-05   |
| chr16      | 60002001 | 60007000 | 0.00185363 |
| chr16      | 60118001 | 60123000 | 2.55E-10   |
| chr16      | 60119001 | 60124000 | 3.86E-06   |
| chr16      | 60479001 | 60484000 | 5.18E-06   |
| chr16      | 60812001 | 60817000 | 0.000224305 |
| chr16      | 60894001 | 60899000 | 0.0038313   |
| chr16      | 60912001 | 60917000 | 0.001080314 |
| chr16      | 61008001 | 61013000 | 0.002147854 |
| chr16      | 61156001 | 61161000 | 0.003576702 |
| chr16      | 61202001 | 61207000 | 8.06E-05   |
| chr16      | 61342001 | 61347000 | 0.016357961 |
| chr16      | 61343001 | 61348000 | 0.003740174 |
| chr16      | 61344001 | 61349000 | 0.006573679 |
| chr16      | 61401001 | 61406000 | 2.87E-08   |
| chr16      | 61402001 | 61407000 | 3.40E-07   |
| chr16      | 61409001 | 61414000 | 0.001493243 |
| chr16      | 61419001 | 61424000 | 2.07E-09   |
| chr16      | 61610001 | 61615000 | 4.92E-06   |
| chr16      | 61646001 | 61651000 | 0.00324243 |
| chr16      | 61647001 | 61652000 | 0.00200027 |
| chr16      | 61691001 | 61696000 | 1.81E-05   |
| chr16      | 61692001 | 61697000 | 0.00139224 |
| chr16      | 61757001 | 61762000 | 0.00401976 |
| chr16      | 61915001 | 61920000 | 5.95E-06   |
| chr16      | 61916001 | 61921000 | 4.23E-06   |
| chr16      | 61986001 | 61991000 | 9.10E-05   |
| chr16      | 62030001 | 62035000 | 0.0029995   |
| chr16      | 62063001 | 62068000 | 0.000983669 |
| chr16      | 62171001 | 62176000 | 5.04E-07   |
| chr16      | 62172001 | 62177000 | 4.59E-06   |
| chr16      | 62173001 | 62178000 | 6.72E-06   |
| chr16      | 62174001 | 62179000 | 7.33E-08   |
| chr16      | 62268001 | 62273000 | 0.000127499 |
| chr16      | 62345001 | 62350000 | 0.000704842 |
| chr16      | 62346001 | 62351000 | 0.014928499 |
| chr16      | 62502001 | 62507000 | 0.005223414 |
| chr16      | 62514001 | 62519000 | 1.33E-05   |
| chr16      | 62549001 | 62554000 | 0.000182775 |
| chr16      | 62579001 | 62584000 | 0.004237094 |
| chr16      | 62580001 | 62585000 | 0.003339155 |
| chr16      | 62581001 | 62586000 | 0.005256408 |
| chr16 | 62666001 | 62671000 | 3.16E-06 |
|--------|----------|----------|----------|
| chr16 | 62667001 | 62672000 | 3.08E-06 |
| chr16 | 62668001 | 62673000 | 3.57E-07 |
| chr16 | 62669001 | 62674000 | 5.34E-07 |
| chr16 | 62705001 | 62710000 | 0.001769621 |
| chr16 | 62722001 | 62727000 | 0.000119677 |
| chr16 | 62723001 | 62728000 | 0.00036652 |
| chr16 | 62966001 | 62971000 | 3.16E-06 |
| chr16 | 62996001 | 63001000 | 0.000036652 |
| chr16 | 63269001 | 63274000 | 0.0000123435 |
| chr16 | 63271001 | 63276000 | 1.47E-05 |
| chr16 | 63272001 | 63277000 | 2.78E-06 |
| chr16 | 63455001 | 63460000 | 0.000144177 |
| chr16 | 63456001 | 63461000 | 1.40E-05 |
| chr16 | 63861001 | 63866000 | 0.0000317247 |
| chr16 | 63862001 | 63867000 | 0.0000977278 |
| chr16 | 64332001 | 64337000 | 4.07E-13 |
| chr16 | 64333001 | 64338000 | 5.50E-17 |
| chr16 | 64334001 | 64339000 | 4.70E-11 |
| chr16 | 64336001 | 64341000 | 1.06E-08 |
| chr16 | 64368001 | 64373000 | 2.40E-05 |
| chr16 | 64369001 | 64374000 | 2.44E-05 |
| chr16 | 64370001 | 64375000 | 0.0005537822 |
| chr16 | 64596001 | 64601000 | 0.0000544821 |
| chr16 | 64597001 | 64602000 | 0.004112008 |
| chr16 | 64739001 | 64744000 | 7.64E-06 |
| chr16 | 64898001 | 64903000 | 7.14E-07 |
| chr16 | 64899001 | 64904000 | 1.95E-06 |
| chr16 | 64914001 | 64919000 | 0.000142817 |
| chr16 | 65137001 | 65142000 | 0.0006577229 |
| chr16 | 65173001 | 65178000 | 2.37E-06 |
| chr16 | 65175001 | 65180000 | 1.19E-06 |
| chr16 | 65363001 | 65368000 | 0.004934731 |
| chr16 | 65367001 | 65372000 | 0.000069882 |
| chr16 | 65368001 | 65373000 | 0.000784676 |
| chr16 | 65369001 | 65374000 | 0.0000281335 |
| chr16 | 65596001 | 65601000 | 0.00393447 |
| chr16 | 65597001 | 65602000 | 0.001372551 |
| chr16 | 65598001 | 66000000 | 4.51E-07 |
| chr16 | 65996001 | 66001000 | 2.97E-09 |
| chr16 | 65997001 | 66002000 | 1.01E-06 |
| chr16 | 65998001 | 66003000 | 3.89E-07 |
| chr16 | 66364001 | 66369000 | 1.51E-06 |
| chr16 | 66389001 | 66394000 | 9.68E-11 |
| chr16 | 66775001 | 66780000 | 5.24E-09 |
| chr16 | 67136001 | 67141000 | 7.03E-09 |
| chr16 | 67544001 | 67549000 | 2.53E-05 |
| chr16 | start | end   | p-value  |
|-------|-------|-------|----------|
| chr16 | 67545001 | 67550000 | 3.06E-05  |
| chr16 | 67676001 | 67681000 | 2.33E-19  |
| chr16 | 67678001 | 67683000 | 8.70E-30  |
| chr16 | 67679001 | 67684000 | 2.22E-29  |
| chr16 | 68788001 | 68793000 | 1.79E-05  |
| chr16 | 69426001 | 69431000 | 3.74E-11  |
| chr16 | 69797001 | 69802000 | 5.63E-07  |
| chr16 | 70363001 | 70368000 | 2.26E-11  |
| chr16 | 70365001 | 70370000 | 1.80E-14  |
| chr16 | 70460001 | 70465000 | 7.64E-07  |
| chr16 | 70461001 | 70466000 | 5.36E-07  |
| chr16 | 70462001 | 70467000 | 1.47E-08  |
| chr16 | 70463001 | 70468000 | 5.85E-07  |
| chr16 | 70552001 | 70557000 | 1.17E-13  |
| chr16 | 70553001 | 70558000 | 1.97E-24  |
| chr16 | 70619001 | 70624000 | 6.40E-13  |
| chr16 | 70620001 | 70625000 | 1.96E-15  |
| chr16 | 70859001 | 70864000 | 7.98E-08  |
| chr16 | 71232001 | 71237000 | 0.000113649 |
| chr16 | 71870001 | 71875000 | 1.16E-06  |
| chr16 | 72192001 | 72197000 | 4.48E-06  |
| chr16 | 72193001 | 72198000 | 2.37E-07  |
| chr16 | 73202001 | 73207000 | 2.70E-14  |
| chr16 | 73203001 | 73208000 | 3.02E-23  |
| chr16 | 73204001 | 73209000 | 1.04E-23  |
| chr16 | 73704001 | 73709000 | 0.000205929 |
| chr16 | 74463001 | 74468000 | 1.31E-12  |
| chr16 | 74690001 | 74695000 | 5.56E-15  |
| chr16 | 75584001 | 75589000 | 6.85E-13  |
| chr16 | 76363001 | 76368000 | 1.54E-05  |
| chr16 | 76492001 | 76497000 | 1.21E-05  |
| chr16 | 76742001 | 76747000 | 0.001038107 |
| chr16 | 76766001 | 76771000 | 1.10E-05  |
| chr16 | 76860001 | 76865000 | 9.40E-07  |
| chr16 | 77058001 | 77063000 | 0.002578989 |
| chr16 | 77437001 | 77442000 | 0.003589645 |
| chr16 | 77630001 | 77635000 | 1.44E-05  |
| chr16 | 81613001 | 81618000 | 6.64E-17  |
| chr16 | 84473001 | 84478000 | 2.29E-14  |
| chr16 | 84874001 | 84879000 | 2.06E-16  |
| chr16 | 85682001 | 85687000 | 2.84E-16  |
| chr16 | 85685001 | 85690000 | 4.36E-10  |
| chr16 | 87914001 | 87919000 | 1.27E-05  |
| chr16 | 87915001 | 87920000 | 9.47E-09  |
| chr16 | 88118001 | 88123000 | 8.86E-30  |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr16      | 88119001 | 88124000 | 3.44E-25 |
| chr16      | 88162001 | 88167000 | 3.50E-18 |
| chr16      | 88232001 | 88237000 | 1.09E-06 |
| chr16      | 88293001 | 88298000 | 2.03E-20 |
| chr16      | 88823001 | 88828000 | 9.18E-11 |
| chr16      | 88824001 | 88829000 | 5.76E-11 |
| chr16      | 88946001 | 88951000 | 1.85E-11 |
| chr16      | 88947001 | 88952000 | 2.22E-16 |
| chr16      | 89218001 | 89223000 | 8.43E-17 |
| chr16      | 89327001 | 89332000 | 5.74E-17 |
| chr16      | 89328001 | 89333000 | 2.95E-17 |
| chr16      | 89877001 | 89882000 | 2.16E-09 |
| chr17      | 820001   | 825000  | 1.39E-10 |
| chr17      | 833001   | 838000  | 2.41E-08 |
| chr17      | 982001   | 987000  | 1.30E-09 |
| chr17      | 1276001  | 1281000 | 4.06E-15 |
| chr17      | 1494001  | 1499000 | 1.06E-08 |
| chr17      | 1592001  | 1597000 | 0.001109433 |
| chr17      | 1650001  | 1655000 | 1.92E-06 |
| chr17      | 1651001  | 1656000 | 2.76E-08 |
| chr17      | 1679001  | 1684000 | 2.64E-31 |
| chr17      | 1680001  | 1685000 | 4.14E-23 |
| chr17      | 1682001  | 1687000 | 2.15E-20 |
| chr17      | 2417001  | 2422000 | 0.000516366 |
| chr17      | 2589001  | 2594000 | 1.29E-18 |
| chr17      | 2792001  | 2797000 | 3.67E-16 |
| chr17      | 2831001  | 2836000 | 1.02E-08 |
| chr17      | 2832001  | 2837000 | 8.11E-09 |
| chr17      | 2875001  | 2880000 | 4.64E-10 |
| chr17      | 3144001  | 3149000 | 0.011693529 |
| chr17      | 3363001  | 3368000 | 5.87E-16 |
| chr17      | 3364001  | 3369000 | 1.09E-08 |
| chr17      | 3365001  | 3370000 | 1.69E-12 |
| chr17      | 3495001  | 3500000 | 0.002985866 |
| chr17      | 4476001  | 4481000 | 6.30E-10 |
| chr17      | 5708001  | 5713000 | 1.24E-08 |
| chr17      | 5709001  | 5714000 | 6.24E-09 |
| chr17      | 5710001  | 5715000 | 5.75E-07 |
| chr17      | 5711001  | 5716000 | 2.94E-08 |
| chr17      | 5734001  | 5739000 | 8.64E-13 |
| chr17      | 5735001  | 5740000 | 1.69E-15 |
| chr17      | 5736001  | 5741000 | 2.51E-09 |
| chr17      | 5836001  | 5841000 | 1.22E-10 |
| chr17      | 6452001  | 6457000 | 5.39E-10 |
| chr17      | 6468001  | 6473000 | 9.68E-13 |
| chr17      | 6997001  | 7002000 | 5.01E-12 |
| chr17      | 7248001  | 7253000 | 3.00E-07 |
| Chromosome | Start | End   | P-value     |
|------------|-------|-------|-------------|
| chr17      | 7310001 | 7315000 | 5.00E-08    |
| chr17      | 7311001 | 7316000 | 3.55E-12    |
| chr17      | 7312001 | 7317000 | 6.10E-12    |
| chr17      | 7313001 | 7318000 | 4.51E-13    |
| chr17      | 7325001 | 7330000 | 8.72E-11    |
| chr17      | 7457001 | 7462000 | 2.06E-21    |
| chr17      | 7458001 | 7463000 | 2.69E-14    |
| chr17      | 7652001 | 7657000 | 2.42E-10    |
| chr17      | 7783001 | 7788000 | 2.68E-05    |
| chr17      | 8676001 | 8681000 | 1.84E-07    |
| chr17      | 8678001 | 8683000 | 1.02E-09    |
| chr17      | 8679001 | 8684000 | 0.001949279 |
| chr17      | 8789001 | 8794000 | 2.45E-05    |
| chr17      | 9751001 | 9756000 | 3.83E-09    |
| chr17      | 9752001 | 9757000 | 8.11E-16    |
| chr17      | 9753001 | 9758000 | 5.52E-14    |
| chr17      | 9824001 | 9829000 | 2.07E-10    |
| chr17      | 10259001 | 10264000 | 3.34E-08    |
| chr17      | 10374001 | 10379000 | 0.004681984 |
| chr17      | 10375001 | 10380000 | 0.000441193 |
| chr17      | 10376001 | 10381000 | 0.000715659 |
| chr17      | 10377001 | 10382000 | 0.000418751 |
| chr17      | 10656001 | 10661000 | 2.53E-07    |
| chr17      | 10834001 | 10839000 | 4.74E-09    |
| chr17      | 10835001 | 10840000 | 3.28E-09    |
| chr17      | 11435001 | 11440000 | 1.84E-07    |
| chr17      | 11839001 | 11844000 | 5.72E-07    |
| chr17      | 13073001 | 13078000 | 2.72E-05    |
| chr17      | 14281001 | 14286000 | 7.30E-09    |
| chr17      | 14282001 | 14287000 | 3.51E-07    |
| chr17      | 14344001 | 14349000 | 1.34E-08    |
| chr17      | 14345001 | 14350000 | 4.60E-08    |
| chr17      | 14602001 | 14607000 | 1.85E-09    |
| chr17      | 14711001 | 14716000 | 0.000264015 |
| chr17      | 14763001 | 14768000 | 0.000233315 |
| chr17      | 14901001 | 14906000 | 2.07E-07    |
| chr17      | 14902001 | 14907000 | 4.33E-08    |
| chr17      | 15139001 | 15144000 | 7.79E-06    |
| chr17      | 15948001 | 15953000 | 5.95E-09    |
| chr17      | 15949001 | 15954000 | 4.93E-08    |
| chr17      | 16343001 | 16348000 | 1.79E-18    |
| chr17      | 16346001 | 16351000 | 7.38E-08    |
| chr17      | 16388001 | 16393000 | 4.00E-07    |
| chr17      | 16440001 | 16445000 | 9.30E-10    |
| chr17      | 16634001 | 16639000 | 3.46E-05    |
| chr17      | 16642001 | 16647000 | 0.015434684 |
| chr17      | 16643001 | 16648000 | 0.001377595 |
| chr17      | 16790001 | 16795000 | 1.71E-10    |
| Chromosome | Start Position | End Position | P-value   |
|------------|----------------|--------------|-----------|
| chr17      | 16791001       | 16796000     | 2.46E-08  |
| chr17      | 16828001       | 16833000     | 1.38E-08  |
| chr17      | 17074001       | 17079000     | 2.25E-14  |
| chr17      | 17198001       | 17203000     | 1.49E-07  |
| chr17      | 17282001       | 17287000     | 7.95E-16  |
| chr17      | 17283001       | 17288000     | 5.95E-18  |
| chr17      | 17644001       | 17649000     | 1.56E-15  |
| chr17      | 17719001       | 17724000     | 5.16E-08  |
| chr17      | 18041001       | 18046000     | 2.73E-11  |
| chr17      | 18042001       | 18047000     | 2.93E-11  |
| chr17      | 18043001       | 18048000     | 4.33E-12  |
| chr17      | 18057001       | 18062000     | 6.30E-09  |
| chr17      | 18838001       | 18843000     | 9.60E-08  |
| chr17      | 18839001       | 18844000     | 8.62E-12  |
| chr17      | 19142001       | 19147000     | 3.15E-23  |
| chr17      | 19143001       | 19148000     | 2.48E-18  |
| chr17      | 19144001       | 19149000     | 4.22E-11  |
| chr17      | 19413001       | 19418000     | 3.28E-10  |
| chr17      | 19954001       | 19959000     | 1.98E-05  |
| chr17      | 20388001       | 20393000     | 3.27E-13  |
| chr17      | 20687001       | 20692000     | 1.67E-06  |
| chr17      | 22221001       | 22226000     | 0.00215818|
| chr17      | 22553001       | 22558000     | 1.05E-06  |
| chr17      | 25622001       | 25627000     | 5.29E-13  |
| chr17      | 25623001       | 25628000     | 2.02E-09  |
| chr17      | 25832001       | 25837000     | 1.29E-16  |
| chr17      | 25833001       | 25838000     | 8.03E-14  |
| chr17      | 26379001       | 26384000     | 0.003524549|
| chr17      | 26781001       | 26786000     | 9.39E-40  |
| chr17      | 26782001       | 26787000     | 2.83E-40  |
| chr17      | 26783001       | 26788000     | 3.77E-24  |
| chr17      | 27073001       | 27078000     | 2.27E-11  |
| chr17      | 27074001       | 27079000     | 1.63E-09  |
| chr17      | 27650001       | 27655000     | 6.18E-07  |
| chr17      | 30231001       | 30236000     | 1.99E-09  |
| chr17      | 30249001       | 30254000     | 8.46E-10  |
| chr17      | 30250001       | 30255000     | 4.32E-10  |
| chr17      | 30385001       | 30390000     | 0.000330288|
| chr17      | 30386001       | 30391000     | 0.000703537|
| chr17      | 30400001       | 30405000     | 7.14E-05  |
| chr17      | 32217001       | 32222000     | 6.77E-06  |
| chr17      | 32966001       | 32971000     | 9.45E-09  |
| chr17      | 32972001       | 32977000     | 1.38E-09  |
| chr17      | 34062001       | 34067000     | 1.27E-06  |
| chr17      | 34760001       | 34765000     | 1.34E-05  |
| chr17      | 34902001       | 34907000     | 3.84E-14  |
| chr17      | 35195001       | 35200000     | 1.03E-12  |
| chr17      | 35250001       | 35255000     | 3.66E-10  |
| chr17 | Start   | End     | P-value   |
|-------|---------|---------|-----------|
| chr17 | 35750001| 35755000| 2.67E-07  |
| chr17 | 36814001| 36819000| 8.89E-09  |
| chr17 | 36815001| 36820000| 1.82E-08  |
| chr17 | 36820001| 36825000| 4.92E-10  |
| chr17 | 36943001| 36948000| 0.001598637|
| chr17 | 37688001| 37693000| 0.000616997|
| chr17 | 37829001| 37834000| 1.46E-06  |
| chr17 | 38020001| 38025000| 5.69E-22  |
| chr17 | 38258001| 38263000| 0.002153086|
| chr17 | 38259001| 38264000| 0.000401604|
| chr17 | 38512001| 38517000| 5.59E-12  |
| chr17 | 38605001| 38610000| 1.12E-06  |
| chr17 | 38617001| 38622000| 7.29E-07  |
| chr17 | 38707001| 38712000| 3.32E-17  |
| chr17 | 39080001| 39085000| 7.16E-06  |
| chr17 | 39956001| 39961000| 3.89E-07  |
| chr17 | 40111001| 40116000| 0.000125165|
| chr17 | 40581001| 40586000| 0.000282612|
| chr17 | 40736001| 40741000| 5.32E-11  |
| chr17 | 40737001| 40742000| 2.36E-09  |
| chr17 | 40738001| 40743000| 4.86E-08  |
| chr17 | 41002001| 41007000| 1.75E-13  |
| chr17 | 41068001| 41073000| 3.32E-05  |
| chr17 | 41119001| 41124000| 2.42E-05  |
| chr17 | 41121001| 41126000| 5.65E-09  |
| chr17 | 41467001| 41472000| 7.12E-16  |
| chr17 | 41506001| 41511000| 4.24E-19  |
| chr17 | 41507001| 41512000| 1.02E-17  |
| chr17 | 41508001| 41513000| 3.78E-14  |
| chr17 | 41509001| 41514000| 1.37E-09  |
| chr17 | 41526001| 41531000| 1.24E-06  |
| chr17 | 42265001| 42270000| 2.95E-15  |
| chr17 | 42387001| 42392000| 4.22E-09  |
| chr17 | 42642001| 42647000| 0.000348049|
| chr17 | 42669001| 42674000| 5.65E-10  |
| chr17 | 42670001| 42675000| 1.21E-07  |
| chr17 | 42821001| 42826000| 0.006718493|
| chr17 | 42871001| 42876000| 2.46E-10  |
| chr17 | 42872001| 42877000| 1.45E-09  |
| chr17 | 42873001| 42878000| 1.39E-13  |
| chr17 | 42896001| 42901000| 5.54E-07  |
| chr17 | 42898001| 42903000| 9.93E-09  |
| chr17 | 42914001| 42919000| 1.75E-12  |
| chr17 | 42977001| 42982000| 2.34E-08  |
| chr17 | 43055001| 43060000| 2.10E-13  |
| chr17 | 43139001| 43144000| 3.26E-16  |
| chr17 | 43724001| 43729000| 7.53E-08  |
| chr17 | 43725001| 43730000| 1.79E-08  |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr17      | 43792001       | 43797000     | 4.89E-05|
| chr17      | 43808001       | 43813000     | 0.00131877|
| chr17      | 43809001       | 43814000     | 4.71E-05|
| chr17      | 43920001       | 43925000     | 4.56E-05|
| chr17      | 43921001       | 43926000     | 4.00E-05|
| chr17      | 44040001       | 44045000     | 0.005232191|
| chr17      | 44041001       | 44046000     | 0.003015142|
| chr17      | 44111001       | 44116000     | 0.002185131|
| chr17      | 44226001       | 44231000     | 9.05E-09|
| chr17      | 44347001       | 44352000     | 4.00E-05|
| chr17      | 44368001       | 44373000     | 0.001843424|
| chr17      | 45188001       | 45193000     | 5.12E-09|
| chr17      | 45798001       | 45803000     | 5.75E-16|
| chr17      | 46057001       | 46062000     | 4.15E-07|
| chr17      | 46079001       | 46084000     | 0.000236077|
| chr17      | 46205001       | 46210000     | 1.76E-09|
| chr17      | 46627001       | 46632000     | 2.01E-32|
| chr17      | 46633001       | 46638000     | 4.28E-11|
| chr17      | 46634001       | 46639000     | 3.46E-10|
| chr17      | 46649001       | 46654000     | 3.40E-15|
| chr17      | 48049001       | 48054000     | 7.16E-05|
| chr17      | 48541001       | 48546000     | 3.00E-05|
| chr17      | 48757001       | 48762000     | 2.74E-05|
| chr17      | 48918001       | 48923000     | 7.35E-11|
| chr17      | 48919001       | 48924000     | 2.83E-10|
| chr17      | 48930001       | 48935000     | 5.42E-15|
| chr17      | 49192001       | 49197000     | 3.57E-11|
| chr17      | 50219001       | 50224000     | 0.000238353|
| chr17      | 50472001       | 50477000     | 0.00404432|
| chr17      | 50473001       | 50478000     | 0.001314127|
| chr17      | 50568001       | 50573000     | 0.000344335|
| chr17      | 50579001       | 50584000     | 6.09E-05|
| chr17      | 50580001       | 50585000     | 6.68E-06|
| chr17      | 50581001       | 50586000     | 3.99E-05|
| chr17      | 50632001       | 50637000     | 0.006049088|
| chr17      | 50792001       | 50797000     | 0.001551584|
| chr17      | 50852001       | 50857000     | 0.000745166|
| chr17      | 50956001       | 50961000     | 1.72E-10|
| chr17      | 51125001       | 51130000     | 0.000411182|
| chr17      | 51320001       | 51325000     | 1.75E-09|
| chr17      | 51552001       | 51557000     | 5.80E-05|
| chr17      | 51553001       | 51558000     | 4.26E-05|
| chr17      | 51554001       | 51559000     | 0.000652195|
| chr17      | 51672001       | 51677000     | 6.67E-05|
| chr17      | 51686001       | 51691000     | 0.002185789|
| chr17      | 51687001       | 51692000     | 8.07E-05|
| chr17      | 51688001       | 51693000     | 1.46E-05|
| chr17      | 51689001       | 51694000     | 1.82E-05|
| chr17 |     |     |       |
|-------|-----|-----|-------|
|       | 51690001 | 51695000 | 0.001321191 |
|       | 51691001 | 51696000 | 0.001157324 |
|       | 51728001 | 51733000 | 0.000502983 |
|       | 51937001 | 51942000 | 0.001951891 |
|       | 52379001 | 52384000 | 0.024827721 |
|       | 52472001 | 52477000 | 0.000573319 |
|       | 52697001 | 52702000 | 3.78E-10 |
|       | 52698001 | 52703000 | 7.1E-08 |
|       | 52699001 | 52704000 | 7.53E-05 |
|       | 53506001 | 53511000 | 9.76E-06 |
|       | 53690001 | 53695000 | 2.37E-06 |
|       | 55988001 | 55993000 | 4.69E-07 |
|       | 56151001 | 56156000 | 2.76E-05 |
|       | 56430001 | 56435000 | 1.37E-15 |
|       | 56733001 | 56738000 | 4.67E-17 |
|       | 57716001 | 57721000 | 4.53E-14 |
|       | 57717001 | 57722000 | 2.94E-13 |
|       | 57861001 | 57866000 | 1.76E-17 |
|       | 57862001 | 57867000 | 3.19E-26 |
|       | 57863001 | 57868000 | 6.01E-26 |
|       | 57864001 | 57869000 | 3.0E-12 |
|       | 57902001 | 57907000 | 3.39E-10 |
|       | 57903001 | 57908000 | 5.29E-07 |
|       | 57904001 | 57909000 | 1.77E-08 |
|       | 57922001 | 57927000 | 6.71E-09 |
|       | 58189001 | 58194000 | 1.92E-13 |
|       | 58220001 | 58225000 | 1.03E-09 |
|       | 58221001 | 58226000 | 3.43E-07 |
|       | 58222001 | 58227000 | 1.85E-12 |
|       | 59511001 | 59516000 | 4.09E-05 |
|       | 60343001 | 60348000 | 1.66E-06 |
|       | 60344001 | 60349000 | 5.95E-07 |
|       | 60345001 | 60350000 | 1.54E-08 |
|       | 60346001 | 60351000 | 5.12E-08 |
|       | 67628001 | 67633000 | 0.002057177 |
|       | 68137001 | 68142000 | 0.000234622 |
|       | 68544001 | 68549000 | 1.50E-08 |
|       | 68545001 | 68550000 | 5.34E-08 |
|       | 69530001 | 69535000 | 0.001069786 |
|       | 70055001 | 70060000 | 1.07E-09 |
|       | 72334001 | 72339000 | 0.000109233 |
|       | 73286001 | 73291000 | 1.33E-52 |
|       | 73607001 | 73612000 | 8.68E-22 |
|       | 73608001 | 73613000 | 9.73E-23 |
|       | 73769001 | 73774000 | 1.74E-16 |
|       | 74074001 | 74079000 | 7.71E-11 |
|       | 74129001 | 74134000 | 8.54E-11 |
|       | 74130001 | 74135000 | 1.16E-15 |
| chr17 | 74131001 | 74136000 | 1.59E-16 |
| chr17 | 74402001 | 74407000 | 2.43E-13 |
| chr17 | 74727001 | 74732000 | 2.28E-26 |
| chr17 | 74892001 | 74897000 | 5.57E-15 |
| chr17 | 74893001 | 74898000 | 1.53E-15 |
| chr17 | 74933001 | 74938000 | 4.37E-21 |
| chr17 | 75070001 | 75075000 | 1.63E-17 |
| chr17 | 75071001 | 75076000 | 9.34E-20 |
| chr17 | 75072001 | 75077000 | 7.44E-17 |
| chr17 | 75143001 | 75148000 | 5.58E-19 |
| chr17 | 75259001 | 75264000 | 3.26E-08 |
| chr17 | 75317001 | 75322000 | 1.10E-25 |
| chr17 | 75319001 | 75324000 | 1.33E-24 |
| chr17 | 75320001 | 75325000 | 1.84E-43 |
| chr17 | 75321001 | 75326000 | 4.75E-36 |
| chr17 | 75324001 | 75329000 | 3.62E-16 |
| chr17 | 75876001 | 75881000 | 1.46E-07 |
| chr17 | 75877001 | 75882000 | 5.14E-07 |
| chr17 | 76121001 | 76126000 | 7.81E-17 |
| chr17 | 76378001 | 76383000 | 5.07E-17 |
| chr17 | 76379001 | 76384000 | 2.24E-17 |
| chr17 | 76380001 | 76385000 | 2.28E-16 |
| chr17 | 76849001 | 76854000 | 3.22E-13 |
| chr17 | 76934001 | 76939000 | 1.53E-06 |
| chr17 | 76935001 | 76940000 | 6.51E-07 |
| chr17 | 76936001 | 76941000 | 2.08E-07 |
| chr17 | 76967001 | 76972000 | 2.73E-09 |
| chr17 | 76969001 | 76974000 | 3.10E-06 |
| chr17 | 76970001 | 76975000 | 2.04E-09 |
| chr17 | 77099001 | 77104000 | 1.81E-11 |
| chr17 | 77100001 | 77105000 | 4.14E-13 |
| chr17 | 77101001 | 77106000 | 7.51E-11 |
| chr17 | 77103001 | 77108000 | 4.72E-16 |
| chr17 | 77142001 | 77147000 | 3.48E-08 |
| chr17 | 77143001 | 77148000 | 2.98E-07 |
| chr17 | 77144001 | 77149000 | 9.48E-12 |
| chr17 | 77808001 | 77813000 | 5.74E-28 |
| chr17 | 77886001 | 77891000 | 4.12E-17 |
| chr17 | 78162001 | 78167000 | 9.52E-27 |
| chr17 | 78163001 | 78168000 | 9.31E-26 |
| chr17 | 78164001 | 78169000 | 1.67E-24 |
| chr17 | 78165001 | 78170000 | 9.32E-25 |
| chr17 | 78228001 | 78233000 | 7.02E-11 |
| chr17 | 78972001 | 78977000 | 1.97E-15 |
| chr17 | 78973001 | 78978000 | 2.29E-21 |
| chr17 | 79038001 | 79043000 | 4.98E-12 |
| chr17 | 79393001 | 79398000 | 3.78E-10 |
| chr17 | 79398001 | 79403000 | 2.17E-09 |
| Chromosome | Start Position | End Position | Score   |
|------------|---------------|--------------|---------|
| chr17      | 79503001      | 79508000     | 4.59E-13 |
| chr17      | 79504001      | 79509000     | 5.70E-08 |
| chr17      | 79530001      | 79535000     | 1.77E-12 |
| chr17      | 79531001      | 79536000     | 2.19E-11 |
| chr17      | 79532001      | 79537000     | 6.53E-13 |
| chr17      | 79533001      | 79538000     | 6.69E-14 |
| chr17      | 79687001      | 79692000     | 1.25E-10 |
| chr17      | 80088001      | 80093000     | 3.17E-10 |
| chr17      | 80192001      | 80197000     | 5.76E-09 |
| chr17      | 80193001      | 80198000     | 3.93E-10 |
| chr17      | 80569001      | 80574000     | 2.98E-32 |
| chr17      | 80570001      | 80575000     | 1.07E-31 |
| chr17      | 80571001      | 80576000     | 3.65E-31 |
| chr17      | 80699001      | 80704000     | 1.91E-21 |
| chr17      | 80702001      | 80707000     | 1.56E-21 |
| chr17      | 80795001      | 80800000     | 2.28E-19 |
| chr17      | 80834001      | 80839000     | 6.22E-53 |
| chr17      | 80916001      | 80921000     | 2.12E-06 |
| chr17      | 80917001      | 80922000     | 9.66E-06 |
| chr18      | 962001        | 967000       | 8.04E-08 |
| chr18      | 1232001       | 1237000      | 7.89E-07 |
| chr18      | 1234001       | 1239000      | 2.05E-05 |
| chr18      | 1235001       | 1240000      | 6.69E-05 |
| chr18      | 1264001       | 1269000      | 0.002072457 |
| chr18      | 1265001       | 1270000      | 1.44E-07 |
| chr18      | 1266001       | 1271000      | 8.46E-08 |
| chr18      | 1279001       | 1284000      | 4.49E-05 |
| chr18      | 1280001       | 1285000      | 4.96E-05 |
| chr18      | 1281001       | 1286000      | 1.17E-07 |
| chr18      | 1282001       | 1287000      | 3.12E-09 |
| chr18      | 1283001       | 1288000      | 3.99E-09 |
| chr18      | 1491001       | 1496000      | 3.42E-08 |
| chr18      | 1582001       | 1587000      | 0.001413215 |
| chr18      | 1706001       | 1711000      | 0.000121483 |
| chr18      | 3277001       | 3282000      | 2.37E-06 |
| chr18      | 3453001       | 3458000      | 4.81E-16 |
| chr18      | 3603001       | 3608000      | 1.13E-19 |
| chr18      | 3604001       | 3609000      | 2.22E-23 |
| chr18      | 3605001       | 3610000      | 8.47E-22 |
| chr18      | 4714001       | 4719000      | 3.86E-05 |
| chr18      | 4760001       | 4765000      | 8.92E-06 |
| chr18      | 4832001       | 4837000      | 1.06E-13 |
| chr18      | 4833001       | 4838000      | 3.90E-14 |
| chr18      | 4834001       | 4839000      | 1.31E-13 |
| chr18      | 4925001       | 4930000      | 3.71E-08 |
| chr18      | 4926001       | 4931000      | 1.03E-07 |
| chr18      | 4927001       | 4932000      | 1.14E-07 |
| chr18      | 4988001       | 4993000      | 0.011242179 |
| Chr | Start | End   | p-value   |
|-----|-------|-------|-----------|
| chr18 | 6717001 | 6722000 | 9.46E-05   |
| chr18 | 6749001 | 6754000 | 0.001364397 |
| chr18 | 6769001 | 6774000 | 5.78E-10   |
| chr18 | 6770001 | 6775000 | 1.12E-12   |
| chr18 | 8071001 | 8076000 | 4.60E-05   |
| chr18 | 9113001 | 9118000 | 1.94E-09   |
| chr18 | 9114001 | 9119000 | 6.15E-09   |
| chr18 | 9115001 | 9120000 | 4.09E-09   |
| chr18 | 9181001 | 9186000 | 4.37E-06   |
| chr18 | 9260001 | 9265000 | 1.11E-10   |
| chr18 | 9326001 | 9331000 | 1.97E-06   |
| chr18 | 9327001 | 9332000 | 2.13E-06   |
| chr18 | 9958001 | 9963000 | 7.07E-15   |
| chr18 | 9959001 | 9964000 | 5.84E-15   |
| chr18 | 9960001 | 9965000 | 4.37E-14   |
| chr18 | 10232001 | 10237000 | 2.34E-13  |
| chr18 | 14576001 | 14581000 | 7.47E-06   |
| chr18 | 14577001 | 14582000 | 1.62E-09   |
| chr18 | 15267001 | 15272000 | 0.001144906 |
| chr18 | 15316001 | 15321000 | 3.56E-08   |
| chr18 | 15320001 | 15325000 | 2.64E-05   |
| chr18 | 18693001 | 18698000 | 9.45E-09   |
| chr18 | 18747001 | 18752000 | 2.76E-06   |
| chr18 | 18773001 | 18778000 | 1.95E-07   |
| chr18 | 18793001 | 18798000 | 2.54E-09   |
| chr18 | 18794001 | 18799000 | 6.37E-09   |
| chr18 | 18795001 | 18800000 | 8.97E-07   |
| chr18 | 18796001 | 18801000 | 2.23E-06   |
| chr18 | 18836001 | 18841000 | 0.000458708 |
| chr18 | 18837001 | 18842000 | 0.000212992 |
| chr18 | 18859001 | 18864000 | 1.46E-05   |
| chr18 | 18860001 | 18865000 | 4.04E-07   |
| chr18 | 18861001 | 18866000 | 9.78E-08   |
| chr18 | 18862001 | 18867000 | 2.09E-06   |
| chr18 | 18868001 | 18873000 | 4.20E-08   |
| chr18 | 18869001 | 18874000 | 1.80E-07   |
| chr18 | 18870001 | 18875000 | 3.70E-07   |
| chr18 | 18886001 | 18891000 | 1.06E-07   |
| chr18 | 18911001 | 18916000 | 2.04E-08   |
| chr18 | 18920001 | 18925000 | 1.14E-05   |
| chr18 | 18921001 | 18926000 | 1.11E-05   |
| chr18 | 18922001 | 18927000 | 9.69E-08   |
| chr18 | 18931001 | 18936000 | 5.82E-11   |
| chr18 | 18938001 | 18943000 | 1.32E-10   |
| chr18 | 18978001 | 18983000 | 3.83E-09   |
| chr18 | 18998001 | 19003000 | 2.59E-08   |
| chr18 | 18999001 | 19004000 | 4.93E-08   |
| chr18 | 19000001 | 19005000 | 1.16E-07   |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr18      | 19013001       | 19018000     | 2.65E-08|
| chr18      | 20811001       | 20816000     | 1.03E-21|
| chr18      | 22457001       | 22462000     | 5.10E-07|
| chr18      | 22459001       | 22464000     | 7.71E-10|
| chr18      | 22581001       | 22586000     | 0.000180942|
| chr18      | 22700001       | 22705000     | 2.11E-05|
| chr18      | 22725001       | 22730000     | 1.50E-06|
| chr18      | 22726001       | 22731000     | 2.29E-05|
| chr18      | 22727001       | 22732000     | 5.81E-06|
| chr18      | 24547001       | 24552000     | 8.22E-06|
| chr18      | 24584001       | 24589000     | 0.000935531|
| chr18      | 24664001       | 24669000     | 0.000191674|
| chr18      | 24745001       | 24750000     | 1.06E-07|
| chr18      | 24774001       | 24779000     | 0.009735053|
| chr18      | 26748001       | 26753000     | 9.41E-09|
| chr18      | 26821001       | 26826000     | 5.69E-05|
| chr18      | 27171001       | 27176000     | 0.002024114|
| chr18      | 27172001       | 27177000     | 0.001636851|
| chr18      | 28853001       | 28858000     | 3.08E-07|
| chr18      | 28854001       | 28859000     | 7.61E-07|
| chr18      | 29959001       | 29964000     | 5.13E-08|
| chr18      | 29960001       | 29965000     | 2.40E-07|
| chr18      | 30341001       | 30346000     | 0.000726017|
| chr18      | 30651001       | 30656000     | 9.45E-05|
| chr18      | 30762001       | 30767000     | 3.27E-06|
| chr18      | 30821001       | 30826000     | 1.52E-05|
| chr18      | 30915001       | 30920000     | 1.88E-05|
| chr18      | 31393001       | 31398000     | 9.91E-05|
| chr18      | 31443001       | 31448000     | 0.002050397|
| chr18      | 31444001       | 31449000     | 0.000241131|
| chr18      | 31479001       | 31484000     | 1.29E-05|
| chr18      | 31528001       | 31533000     | 2.18E-05|
| chr18      | 31529001       | 31534000     | 4.01E-06|
| chr18      | 31695001       | 31700000     | 5.25E-10|
| chr18      | 31755001       | 31760000     | 0.000164922|
| chr18      | 31936001       | 31941000     | 0.000431652|
| chr18      | 31937001       | 31942000     | 3.04E-05|
| chr18      | 31938001       | 31943000     | 3.27E-07|
| chr18      | 31939001       | 31944000     | 1.74E-06|
| chr18      | 31995001       | 32000000     | 4.93E-10|
| chr18      | 32087001       | 32092000     | 1.37E-05|
| chr18      | 32223001       | 32228000     | 7.79E-10|
| chr18      | 32224001       | 32229000     | 3.89E-14|
| chr18      | 32225001       | 32230000     | 3.44E-14|
| chr18      | 32226001       | 32231000     | 1.70E-16|
| chr18      | 32365001       | 32370000     | 8.87E-07|
| chr18      | 32440001       | 32445000     | 3.49E-14|
| Chromosome | Start | End   | P-value     |
|------------|-------|-------|-------------|
| chr18      | 32650001 | 32655000 | 6.20E-09    |
| chr18      | 33974001 | 33979000 | 8.74E-05    |
| chr18      | 34043001 | 34048000 | 1.35E-07    |
| chr18      | 34051001 | 34056000 | 8.03E-09    |
| chr18      | 34270001 | 34275000 | 1.14E-15    |
| chr18      | 34271001 | 34276000 | 4.43E-14    |
| chr18      | 34272001 | 34277000 | 9.30E-15    |
| chr18      | 34884001 | 34889000 | 0.001008475 |
| chr18      | 34918001 | 34923000 | 1.22E-05    |
| chr18      | 34958001 | 34963000 | 0.010489788 |
| chr18      | 34959001 | 34964000 | 0.000208507 |
| chr18      | 34960001 | 34965000 | 0.000306563 |
| chr18      | 34961001 | 34966000 | 3.84E-05    |
| chr18      | 34962001 | 34967000 | 2.69E-11    |
| chr18      | 34963001 | 34968000 | 1.76E-06    |
| chr18      | 35071001 | 35076000 | 7.01E-07    |
| chr18      | 35072001 | 35077000 | 3.02E-08    |
| chr18      | 35136001 | 35141000 | 8.03E-08    |
| chr18      | 35137001 | 35142000 | 4.20E-11    |
| chr18      | 35327001 | 35332000 | 5.68E-11    |
| chr18      | 35328001 | 35333000 | 8.44E-11    |
| chr18      | 35463001 | 35468000 | 2.61E-06    |
| chr18      | 35464001 | 35469000 | 1.00E-07    |
| chr18      | 35465001 | 35470000 | 1.45E-12    |
| chr18      | 35466001 | 35471000 | 3.76E-10    |
| chr18      | 35467001 | 35472000 | 6.55E-12    |
| chr18      | 35468001 | 35473000 | 7.75E-07    |
| chr18      | 35530001 | 35535000 | 0.000221452 |
| chr18      | 35544001 | 35549000 | 2.88E-06    |
| chr18      | 35590001 | 35595000 | 3.30E-07    |
| chr18      | 35706001 | 35711000 | 0.002503973 |
| chr18      | 35715001 | 35720000 | 4.31E-08    |
| chr18      | 35718001 | 35723000 | 8.09E-07    |
| chr18      | 35976001 | 35981000 | 0.005175927 |
| chr18      | 36162001 | 36167000 | 0.001585872 |
| chr18      | 36355001 | 36360000 | 0.002384464 |
| chr18      | 36356001 | 36361000 | 0.000883584 |
| chr18      | 36387001 | 36392000 | 0.001924602 |
| chr18      | 36536001 | 36541000 | 0.001810042 |
| chr18      | 36788001 | 36793000 | 2.49E-05    |
| chr18      | 37164001 | 37169000 | 7.49E-06    |
| chr18      | 37165001 | 37170000 | 5.88E-07    |
| chr18      | 37166001 | 37171000 | 1.10E-06    |
| chr18      | 37351001 | 37356000 | 0.000141811 |
| chr18      | 37443001 | 37448000 | 4.69E-05    |
| chr18      | 37708001 | 37713000 | 0.00259231  |
| chr18      | 37958001 | 37963000 | 0.000493534 |
| chr18      | 38035001 | 38040000 | 0.006568509 |
| Chr  | Start | End   | Log10(P) |
|------|-------|-------|----------|
| chr18| 38244001 | 38249000 | 5.01E-05 |
| chr18| 38264001 | 38269000 | 0.00734381 |
| chr18| 38335001 | 38340000 | 0.001706404 |
| chr18| 38524001 | 38529000 | 2.35E-07 |
| chr18| 38558001 | 38563000 | 0.00044882 |
| chr18| 38629001 | 38634000 | 9.01E-06 |
| chr18| 38630001 | 38635000 | 1.33E-06 |
| chr18| 38631001 | 38636000 | 2.65E-05 |
| chr18| 38632001 | 38637000 | 8.35E-05 |
| chr18| 38778001 | 38783000 | 4.82E-06 |
| chr18| 38779001 | 38784000 | 5.71E-05 |
| chr18| 38830001 | 38835000 | 7.27E-05 |
| chr18| 38831001 | 38836000 | 2.35E-07 |
| chr18| 38917001 | 38922000 | 0.000792555 |
| chr18| 39021001 | 39026000 | 0.001375893 |
| chr18| 39085001 | 39090000 | 1.33E-07 |
| chr18| 39134001 | 39139000 | 1.98E-05 |
| chr18| 39135001 | 39140000 | 1.42E-05 |
| chr18| 39136001 | 39141000 | 4.44E-06 |
| chr18| 39238001 | 39243000 | 4.82E-09 |
| chr18| 39350001 | 39355000 | 1.52E-10 |
| chr18| 39381001 | 39386000 | 0.000599865 |
| chr18| 39430001 | 39435000 | 0.00277439 |
| chr18| 39523001 | 39528000 | 8.41E-06 |
| chr18| 39673001 | 39678000 | 0.008248544 |
| chr18| 39675001 | 39680000 | 0.000143094 |
| chr18| 39781001 | 39786000 | 3.81E-05 |
| chr18| 39808001 | 39813000 | 1.13E-07 |
| chr18| 39949001 | 39954000 | 2.84E-05 |
| chr18| 39993001 | 39998000 | 1.05E-14 |
| chr18| 39994001 | 39999000 | 2.25E-13 |
| chr18| 39995001 | 40000000 | 3.24E-13 |
| chr18| 39996001 | 40001000 | 6.26E-13 |
| chr18| 39997001 | 40002000 | 1.57E-10 |
| chr18| 39998001 | 40003000 | 8.75E-06 |
| chr18| 40037001 | 40042000 | 0.00102532 |
| chr18| 40070001 | 40075000 | 3.73E-05 |
| chr18| 40430001 | 40435000 | 0.000126466 |
| chr18| 40431001 | 40436000 | 0.000126871 |
| chr18| 40529001 | 40534000 | 3.87E-05 |
| chr18| 40530001 | 40535000 | 1.39E-05 |
| chr18| 40618001 | 40623000 | 1.47E-05 |
| chr18| 40704001 | 40709000 | 3.55E-06 |
| chr18| 40725001 | 40730000 | 1.13E-08 |
| chr18| 40726001 | 40731000 | 1.20E-07 |
| chr18| 40733001 | 40738000 | 8.34E-06 |
| chr18| 40793001 | 40798000 | 1.66E-09 |
| chr18| 40794001 | 40799000 | 6.21E-10 |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr18      | 40806001 | 40811000 | 9.56E-07 |
| chr18      | 40910001 | 40915000 | 1.18E-08 |
| chr18      | 40911001 | 40916000 | 2.36E-07 |
| chr18      | 40912001 | 40917000 | 8.78E-06 |
| chr18      | 40919001 | 40924000 | 8.04E-06 |
| chr18      | 40921001 | 40926000 | 1.00E-09 |
| chr18      | 40936001 | 40941000 | 0.005871369 |
| chr18      | 40981001 | 40986000 | 0.000130449 |
| chr18      | 40982001 | 40987000 | 6.67E-05 |
| chr18      | 40983001 | 40988000 | 5.13E-06 |
| chr18      | 40998001 | 41003000 | 3.26E-05 |
| chr18      | 41037001 | 41042000 | 0.002984557 |
| chr18      | 41144001 | 41149000 | 0.000645986 |
| chr18      | 41145001 | 41150000 | 4.49E-05 |
| chr18      | 41290001 | 41295000 | 0.001064418 |
| chr18      | 41291001 | 41296000 | 0.001277127 |
| chr18      | 41292001 | 41297000 | 0.000117052 |
| chr18      | 41551001 | 41556000 | 0.000670268 |
| chr18      | 41588001 | 41593000 | 0.000172323 |
| chr18      | 41589001 | 41594000 | 0.000359774 |
| chr18      | 41590001 | 41595000 | 0.000665178 |
| chr18      | 41611001 | 41616000 | 9.61E-08 |
| chr18      | 42545001 | 42550000 | 2.10E-07 |
| chr18      | 42710001 | 42715000 | 2.21E-06 |
| chr18      | 42776001 | 42781000 | 0.000195552 |
| chr18      | 42781001 | 42786000 | 8.15E-07 |
| chr18      | 42782001 | 42787000 | 1.34E-07 |
| chr18      | 42960001 | 42965000 | 4.82E-05 |
| chr18      | 43034001 | 43039000 | 1.51E-06 |
| chr18      | 43306001 | 43311000 | 1.04E-08 |
| chr18      | 43307001 | 43312000 | 1.12E-12 |
| chr18      | 44255001 | 44260000 | 5.80E-09 |
| chr18      | 44256001 | 44261000 | 1.60E-10 |
| chr18      | 44257001 | 44262000 | 6.15E-05 |
| chr18      | 44258001 | 44263000 | 9.80E-08 |
| chr18      | 44259001 | 44264000 | 1.40E-09 |
| chr18      | 44870001 | 44875000 | 7.99E-06 |
| chr18      | 45089001 | 45094000 | 4.72E-05 |
| chr18      | 45090001 | 45095000 | 3.20E-06 |
| chr18      | 45091001 | 45096000 | 6.49E-06 |
| chr18      | 45509001 | 45514000 | 0.001786178 |
| chr18      | 46158001 | 46163000 | 8.28E-06 |
| chr18      | 46160001 | 46165000 | 1.44E-05 |
| chr18      | 46469001 | 46474000 | 1.69E-10 |
| chr18      | 46470001 | 46475000 | 9.73E-11 |
| chr18      | 48147001 | 48152000 | 1.17E-09 |
| chr18      | 49161001 | 49166000 | 0.002456832 |
| chr18      | 49162001 | 49167000 | 0.000102812 |
|chr18|        |        |             |            |
|-----|--------|--------|------------|------------|
|     | 49164001 | 49169000 | 0.001173368 |            |
|     | 49430001 | 49435000 | 3.47E-05    |            |
|     | 49431001 | 49436000 | 4.53E-05    |            |
|     | 49432001 | 49437000 | 9.09E-05    |            |
|     | 49433001 | 49438000 | 5.34E-05    |            |
|     | 49481001 | 49486000 | 0.000144703 |            |
|     | 49497001 | 49502000 | 0.002114652 |            |
|     | 49431001 | 49436000 | 4.53E-05    |            |
|     | 49432001 | 49437000 | 9.09E-05    |            |
|     | 49433001 | 49438000 | 5.34E-05    |            |
|     | 49481001 | 49486000 | 0.000144703 |            |
|     | 49497001 | 49502000 | 0.002114652 |            |
|     | 49431001 | 49436000 | 4.53E-05    |            |
|     | 49432001 | 49437000 | 9.09E-05    |            |
|     | 49433001 | 49438000 | 5.34E-05    |            |
|     | 49481001 | 49486000 | 0.000144703 |            |
|     | 49497001 | 49502000 | 0.002114652 |            |
chr18  50797001  50802000  4.89E-06
chr18  50798001  50803000  1.45E-05
chr18  50848001  50853000  0.000132596
chr18  50849001  50854000  0.000342486
chr18  50898001  50903000  2.20E-11
chr18  50899001  50904000  9.52E-14
chr18  50900001  50905000  1.89E-12
chr18  50901001  50906000  3.88E-11
chr18  51030001  51035000  6.25E-14
chr18  51031001  51036000  4.08E-11
chr18  51032001  51037000  6.43E-11
chr18  51033001  51038000  2.45E-18
chr18  51034001  51039000  1.36E-09
chr18  51058001  51063000  1.67E-08
chr18  51068001  51073000  0.000254245
chr18  51218001  51223000  9.82E-09
chr18  51273001  51278000  0.001852223
chr18  51439001  51444000  6.47E-14
chr18  51440001  51445000  5.82E-14
chr18  51441001  51446000  3.06E-11
chr18  53574001  53579000  0.000139544
chr18  53575001  53580000  0.000912484
chr18  53710001  53715000  4.44E-05
chr18  54238001  54243000  9.79E-12
chr18  54239001  54244000  9.61E-40
chr18  54240001  54245000  7.14E-22
chr18  54241001  54246000  1.17E-06
chr18  54772001  54777000  2.01E-06
chr18  54773001  54778000  3.41E-05
chr18  54832001  54837000  3.11E-06
chr18  54833001  54838000  9.88E-06
chr18  54839001  54844000  4.56E-10
chr18  54856001  54861000  8.89E-05
chr18  54858001  54863000  0.00011852
chr18  54859001  54864000  8.11E-07
chr18  54860001  54865000  6.42E-07
chr18  54861001  54866000  7.46E-07
chr18  54862001  54867000  8.33E-07
chr18  55298001  55303000  5.65E-07
chr18  55387001  55392000  0.00044534
chr18  56159001  56164000  1.42E-09
chr18  56666001  56671000  0.002527728
chr18  56667001  56672000  0.001228608
chr18  56918001  56923000  8.21E-10
chr18  56919001  56924000  5.58E-10
chr18  57098001  57103000  1.32E-10
chr18  57150001  57155000  5.84E-07
chr18  57152001  57157000  6.85E-09
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr18      | 57380001       | 57385000     | 2.53E-06|
| chr18      | 57381001       | 57386000     | 1.54E-07|
| chr18      | 57651001       | 57656000     | 5.69E-19|
| chr18      | 57652001       | 57657000     | 9.13E-16|
| chr18      | 57653001       | 57658000     | 1.14E-11|
| chr18      | 57655001       | 57660000     | 0.000210391|
| chr18      | 57826001       | 57831000     | 4.90E-06|
| chr18      | 58289001       | 58294000     | 4.11E-08|
| chr18      | 58290001       | 58295000     | 5.78E-07|
| chr18      | 58291001       | 58296000     | 0.001145873|
| chr18      | 58492001       | 58497000     | 4.34E-06|
| chr18      | 58493001       | 58498000     | 1.92E-06|
| chr18      | 58727001       | 58732000     | 4.26E-05|
| chr18      | 58728001       | 58733000     | 0.000227166|
| chr18      | 58729001       | 58734000     | 5.65E-07|
| chr18      | 58730001       | 58735000     | 0.000206856|
| chr18      | 58766001       | 58771000     | 6.69E-07|
| chr18      | 58770001       | 58775000     | 0.000225509|
| chr18      | 58842001       | 58847000     | 9.36E-05|
| chr18      | 58843001       | 58848000     | 1.91E-06|
| chr18      | 58844001       | 58849000     | 1.78E-08|
| chr18      | 59027001       | 59032000     | 8.20E-07|
| chr18      | 59122001       | 59127000     | 0.000272242|
| chr18      | 59123001       | 59128000     | 0.00038821|
| chr18      | 59238001       | 59243000     | 6.05E-06|
| chr18      | 59617001       | 59622000     | 2.08E-10|
| chr18      | 59618001       | 59623000     | 5.06E-10|
| chr18      | 59712001       | 59717000     | 4.28E-06|
| chr18      | 59713001       | 59718000     | 0.000139009|
| chr18      | 60343001       | 60348000     | 2.25E-05|
| chr18      | 61204001       | 61209000     | 0.000716708|
| chr18      | 61400001       | 61405000     | 0.001144425|
| chr18      | 61508001       | 61513000     | 2.41E-10|
| chr18      | 61509001       | 61514000     | 2.71E-10|
| chr18      | 61510001       | 61515000     | 2.22E-11|
| chr18      | 61577001       | 61582000     | 1.88E-06|
| chr18      | 61580001       | 61585000     | 0.000194563|
| chr18      | 61703001       | 61708000     | 1.42E-05|
| chr18      | 61704001       | 61709000     | 5.31E-05|
| chr18      | 61705001       | 61710000     | 1.40E-06|
| chr18      | 61810001       | 61815000     | 1.71E-05|
| chr18      | 61811001       | 61816000     | 1.03E-06|
| chr18      | 61812001       | 61817000     | 1.03E-06|
| chr18      | 61852001       | 61857000     | 0.000213375|
| chr18      | 61854001       | 61859000     | 9.17E-07|
| chr18      | 61923001       | 61928000     | 4.83E-06|
| chr18      | 61989001       | 61994000     | 1.06E-06|
| chr18      | 61990001       | 61995000     | 0.00147827|
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr18      | 61991001       | 61996000     | 0.000195322 |
| chr18      | 62040001       | 62045000     | 2.65E-08   |
| chr18      | 62041001       | 62046000     | 1.11E-06   |
| chr18      | 62043001       | 62048000     | 6.12E-05   |
| chr18      | 62058001       | 62063000     | 8.38E-05   |
| chr18      | 62059001       | 62064000     | 0.000207052 |
| chr18      | 62103001       | 62108000     | 8.47E-05   |
| chr18      | 62104001       | 62109000     | 0.01026116 |
| chr18      | 62114001       | 62119000     | 3.19E-09   |
| chr18      | 62130001       | 62135000     | 6.82E-06   |
| chr18      | 62200001       | 62205000     | 7.03E-05   |
| chr18      | 62201001       | 62206000     | 2.80E-07   |
| chr18      | 62202001       | 62207000     | 1.02E-05   |
| chr18      | 62203001       | 62208000     | 1.41E-05   |
| chr18      | 62289001       | 62294000     | 2.26E-06   |
| chr18      | 62290001       | 62295000     | 1.17E-06   |
| chr18      | 62316001       | 62321000     | 5.66E-12   |
| chr18      | 62317001       | 62322000     | 1.46E-14   |
| chr18      | 62588001       | 62593000     | 4.41E-05   |
| chr18      | 62589001       | 62594000     | 9.93E-07   |
| chr18      | 62590001       | 62595000     | 1.31E-07   |
| chr18      | 62591001       | 62596000     | 1.97E-12   |
| chr18      | 62593001       | 62598000     | 1.00E-11   |
| chr18      | 62594001       | 62599000     | 1.67E-10   |
| chr18      | 62595001       | 62600000     | 1.57E-08   |
| chr18      | 62610001       | 62615000     | 1.93E-07   |
| chr18      | 62672001       | 62677000     | 0.000222938 |
| chr18      | 62673001       | 62678000     | 1.34E-05   |
| chr18      | 62674001       | 62679000     | 6.26E-06   |
| chr18      | 62675001       | 62680000     | 0.00148859  |
| chr18      | 62707001       | 62712000     | 1.27E-14   |
| chr18      | 62708001       | 62713000     | 3.48E-14   |
| chr18      | 62709001       | 62714000     | 9.23E-12   |
| chr18      | 62710001       | 62715000     | 1.47E-10   |
| chr18      | 62723001       | 62728000     | 0.002954861 |
| chr18      | 62724001       | 62729000     | 3.06E-06   |
| chr18      | 62851001       | 62856000     | 1.04E-09   |
| chr18      | 62852001       | 62857000     | 1.02E-11   |
| chr18      | 62861001       | 62866000     | 0.000365374 |
| chr18      | 62862001       | 62867000     | 0.000380368 |
| chr18      | 62968001       | 62973000     | 0.000365458 |
| chr18      | 62969001       | 62974000     | 0.000365458 |
| chr18      | 62975001       | 62980000     | 7.02E-05   |
| chr18      | 63092001       | 63097000     | 0.000184215 |
| chr18      | 63351001       | 63356000     | 1.13E-06   |
| chr18      | 63892001       | 63897000     | 0.000107674 |
| chr18      | 63915001       | 63920000     | 0.001523077 |
| chr18      | 63916001       | 63921000     | 0.003940513 |
| Chr   | Start       | End         | P-value          |
|-------|-------------|-------------|------------------|
| chr18 | 63939001    | 63944000    | 2.94E-06         |
| chr18 | 63940001    | 63945000    | 5.14E-05         |
| chr18 | 64528001    | 64533000    | 0.001033345      |
| chr18 | 64529001    | 64534000    | 1.52E-15         |
| chr18 | 64530001    | 64535000    | 2.48E-13         |
| chr18 | 64531001    | 64536000    | 2.94E-16         |
| chr18 | 64532001    | 64537000    | 2.75E-18         |
| chr18 | 64896001    | 64901000    | 2.44E-06         |
| chr18 | 64897001    | 64902000    | 1.11E-05         |
| chr18 | 66147001    | 66152000    | 2.08E-05         |
| chr18 | 66148001    | 66153000    | 5.11E-05         |
| chr18 | 66315001    | 66320000    | 4.81E-06         |
| chr18 | 66619001    | 66624000    | 1.15E-05         |
| chr18 | 66620001    | 66625000    | 4.49E-05         |
| chr18 | 66621001    | 66626000    | 4.47E-05         |
| chr18 | 67369001    | 67374000    | 1.83E-06         |
| chr18 | 67385001    | 67390000    | 1.29E-05         |
| chr18 | 68127001    | 68132000    | 3.25E-11         |
| chr18 | 68130001    | 68135000    | 4.03E-07         |
| chr18 | 68132001    | 68137000    | 0.00104942       |
| chr18 | 68158001    | 68163000    | 1.33E-07         |
| chr18 | 68159001    | 68164000    | 5.70E-08         |
| chr18 | 68160001    | 68165000    | 4.62E-10         |
| chr18 | 68162001    | 68167000    | 8.32E-18         |
| chr18 | 68164001    | 68169000    | 8.06E-24         |
| chr18 | 68165001    | 68170000    | 2.11E-19         |
| chr18 | 68166001    | 68171000    | 9.69E-20         |
| chr18 | 68168001    | 68173000    | 5.85E-08         |
| chr18 | 68169001    | 68174000    | 1.10E-05         |
| chr18 | 68196001    | 68201000    | 4.57E-06         |
| chr18 | 68260001    | 68265000    | 1.64E-06         |
| chr18 | 68280001    | 68285000    | 5.02E-05         |
| chr18 | 68326001    | 68331000    | 4.46E-08         |
| chr18 | 68448001    | 68453000    | 2.03E-09         |
| chr18 | 68449001    | 68454000    | 5.99E-08         |
| chr18 | 68516001    | 68521000    | 6.79E-06         |
| chr18 | 68526001    | 68531000    | 1.02E-05         |
| chr18 | 68527001    | 68532000    | 0.0001888798      |
| chr18 | 68700001    | 68705000    | 1.00E-06         |
| chr18 | 68701001    | 68706000    | 3.60E-07         |
| chr18 | 68900001    | 68905000    | 1.96E-10         |
| chr18 | 68901001    | 68906000    | 7.98E-10         |
| chr18 | 69057001    | 69062000    | 1.10E-05         |
| chr18 | 69168001    | 69173000    | 0.000132975       |
| chr18 | 69297001    | 69302000    | 9.78E-08         |
| chr18 | 69335001    | 69340000    | 7.45E-05         |
| chr18 | 69355001    | 69360000    | 7.44E-05         |
| chr18 | 69491001    | 69496000    | 0.000871542       |
| Chr | Start | End   | Score |
|-----|-------|-------|-------|
| chr18 | 69492001 | 69497000 | 0.003095848 |
| chr18 | 69662001 | 69667000 | 2.41E-05 |
| chr18 | 70020001 | 70025000 | 5.17E-06 |
| chr18 | 70192001 | 70197000 | 5.17E-06 |
| chr18 | 70193001 | 70198000 | 4.74E-07 |
| chr18 | 70194001 | 70199000 | 3.41E-05 |
| chr18 | 70798001 | 70803000 | 1.45E-07 |
| chr18 | 70862001 | 70867000 | 8.83E-06 |
| chr18 | 70972001 | 70977000 | 1.33E-12 |
| chr18 | 70974001 | 70979000 | 7.19E-15 |
| chr18 | 70975001 | 70980000 | 5.35E-15 |
| chr18 | 71063001 | 71068000 | 1.18E-05 |
| chr18 | 71346001 | 71351000 | 4.70E-07 |
| chr18 | 71359001 | 71364000 | 3.47E-07 |
| chr18 | 71661001 | 71666000 | 0.000702953 |
| chr18 | 71662001 | 71667000 | 0.004624539 |
| chr18 | 73113001 | 73118000 | 1.28E-11 |
| chr18 | 73946001 | 73951000 | 1.02E-07 |
| chr18 | 73949001 | 73954000 | 3.43E-06 |
| chr18 | 74419001 | 74424000 | 1.04E-07 |
| chr18 | 74708001 | 74713000 | 7.40E-18 |
| chr18 | 74709001 | 74714000 | 1.49E-13 |
| chr18 | 76323001 | 76328000 | 1.42E-07 |
| chr18 | 76397001 | 76402000 | 2.79E-14 |
| chr18 | 76398001 | 76403000 | 5.69E-15 |
| chr18 | 76547001 | 76552000 | 1.38E-06 |
| chr18 | 77548001 | 77553000 | 3.70E-13 |
| chr18 | 77549001 | 77554000 | 2.41E-11 |
| chr18 | 77716001 | 77721000 | 5.28E-16 |
| chr18 | 77719001 | 77724000 | 5.74E-22 |
| chr18 | 77720001 | 77725000 | 2.27E-15 |
| chr18 | 77721001 | 77726000 | 3.32E-11 |
| chr19 | 403001  | 408000 | 6.83E-11 |
| chr19 | 404001  | 409000 | 1.41E-08 |
| chr19 | 455001  | 460000 | 1.60E-11 |
| chr19 | 510001  | 515000 | 5.87E-06 |
| chr19 | 511001  | 516000 | 6.65E-09 |
| chr19 | 512001  | 517000 | 3.58E-06 |
| chr19 | 513001  | 518000 | 6.12E-07 |
| chr19 | 553001  | 558000 | 6.68E-09 |
| chr19 | 736001  | 741000 | 4.30E-08 |
| chr19 | 1062001 | 1067000 | 6.50E-13 |
| chr19 | 1256001 | 1261000 | 7.40E-09 |
| chr19 | 1647001 | 1652000 | 1.81E-12 |
| chr19 | 1813001 | 1818000 | 1.24E-11 |
| chr19 | 2409001 | 2414000 | 5.31E-06 |
| chr19 | 2410001 | 2415000 | 8.13E-06 |
| chr19 | 2411001 | 2416000 | 1.49E-08 |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr19      | 2417001 | 2420000 | 1.48E-06 |
| chr19      | 2418001 | 2423000 | 2.00E-07 |
| chr19      | 2419001 | 2424000 | 1.57E-07 |
| chr19      | 2498001 | 2503000 | 1.85E-06 |
| chr19      | 2506001 | 2511000 | 2.06E-14 |
| chr19      | 2507001 | 2512000 | 1.85E-14 |
| chr19      | 2508001 | 2513000 | 2.05E-08 |
| chr19      | 2757001 | 2762000 | 2.13E-10 |
| chr19      | 2758001 | 2763000 | 3.19E-11 |
| chr19      | 2960001 | 2965000 | 4.00E-10 |
| chr19      | 2961001 | 2966000 | 2.96E-08 |
| chr19      | 2962001 | 2967000 | 2.13E-08 |
| chr19      | 3039001 | 3044000 | 5.91E-06 |
| chr19      | 3040001 | 3045000 | 1.40E-07 |
| chr19      | 3041001 | 3046000 | 2.32E-07 |
| chr19      | 3100001 | 3105000 | 2.27E-14 |
| chr19      | 3101001 | 3106000 | 7.02E-16 |
| chr19      | 3102001 | 3107000 | 1.03E-16 |
| chr19      | 3103001 | 3108000 | 3.09E-16 |
| chr19      | 3436001 | 3441000 | 1.98E-24 |
| chr19      | 3808001 | 3813000 | 6.00E-07 |
| chr19      | 4231001 | 4236000 | 1.94E-08 |
| chr19      | 4452001 | 4457000 | 8.93E-15 |
| chr19      | 4453001 | 4458000 | 5.60E-09 |
| chr19      | 4880001 | 4885000 | 0.000658461 |
| chr19      | 4917001 | 4922000 | 0.000237279 |
| chr19      | 5752001 | 5757000 | 1.50E-08 |
| chr19      | 5821001 | 5826000 | 7.75E-06 |
| chr19      | 5822001 | 5827000 | 2.64E-07 |
| chr19      | 5863001 | 5868000 | 0.000610822 |
| chr19      | 5864001 | 5869000 | 0.002082736 |
| chr19      | 6061001 | 6066000 | 2.81E-13 |
| chr19      | 6062001 | 6067000 | 1.07E-15 |
| chr19      | 6063001 | 6068000 | 4.09E-19 |
| chr19      | 6267001 | 6272000 | 0.000123451 |
| chr19      | 6349001 | 6354000 | 9.82E-06 |
| chr19      | 6425001 | 6430000 | 1.83E-18 |
| chr19      | 6975001 | 6980000 | 0.00017941 |
| chr19      | 7062001 | 7067000 | 0.000168384 |
| chr19      | 7063001 | 7068000 | 3.60E-05 |
| chr19      | 7310001 | 7315000 | 3.40E-10 |
| chr19      | 7311001 | 7316000 | 2.28E-07 |
| chr19      | 7312001 | 7317000 | 1.18E-07 |
| chr19      | 7313001 | 7318000 | 1.07E-10 |
| chr19      | 7314001 | 7319000 | 1.81E-13 |
| chr19      | 7468001 | 7473000 | 8.21E-07 |
| chr19      | 7604001 | 7609000 | 3.50E-14 |
| chr19      | 7615001 | 7620000 | 1.18E-27 |
| Chr  | Start | End   | p-value       |
|------|-------|-------|---------------|
| chr19| 7616001| 7621000| 1.26E-47      |
| chr19| 7617001| 7622000| 1.81E-64      |
| chr19| 7618001| 7623000| 1.45E-58      |
| chr19| 7619001| 7624000| 2.75E-47      |
| chr19| 7620001| 7625000| 1.85E-20      |
| chr19| 7696001| 7701000| 0.002793997   |
| chr19| 7720001| 7725000| 2.85E-10      |
| chr19| 7721001| 7726000| 1.33E-11      |
| chr19| 7722001| 7727000| 2.96E-12      |
| chr19| 7723001| 7728000| 2.56E-08      |
| chr19| 8249001| 8254000| 3.61E-05      |
| chr19| 8250001| 8255000| 3.94E-05      |
| chr19| 8251001| 8256000| 6.21E-05      |
| chr19| 8287001| 8292000| 6.64E-14      |
| chr19| 8288001| 8293000| 8.78E-14      |
| chr19| 8497001| 8502000| 1.92E-05      |
| chr19| 8524001| 8529000| 4.02E-15      |
| chr19| 9633001| 9638000| 0.00151974    |
| chr19| 9798001| 9803000| 0.002477624   |
| chr19| 10393001| 10398000| 6.69E-14     |
| chr19| 10394001| 10399000| 3.99E-18     |
| chr19| 10508001| 10513000| 1.53E-17     |
| chr19| 10949001| 10954000| 5.02E-05     |
| chr19| 11055001| 11060000| 2.71E-10     |
| chr19| 11056001| 11061000| 5.22E-11     |
| chr19| 11057001| 11062000| 3.13E-09     |
| chr19| 11066001| 11071000| 4.78E-05     |
| chr19| 11073001| 11078000| 5.11E-12     |
| chr19| 11183001| 11188000| 1.09E-13     |
| chr19| 11350001| 11355000| 8.98E-12     |
| chr19| 11352001| 11357000| 2.16E-12     |
| chr19| 11466001| 11471000| 3.95E-08     |
| chr19| 11516001| 11521000| 1.15E-07     |
| chr19| 11537001| 11542000| 5.76E-08     |
| chr19| 11593001| 11598000| 0.001667518   |
| chr19| 11594001| 11599000| 1.63E-09     |
| chr19| 11595001| 11600000| 3.90E-08     |
| chr19| 12421001| 12426000| 5.84E-09     |
| chr19| 12660001| 12665000| 3.93E-15     |
| chr19| 12973001| 12978000| 4.20E-07     |
| chr19| 12974001| 12979000| 1.66E-22     |
| chr19| 12975001| 12980000| 2.16E-21     |
| chr19| 13057001| 13062000| 3.98E-14     |
| chr19| 13126001| 13131000| 6.28E-08     |
| chr19| 13129001| 13134000| 2.95E-11     |
| chr19| 13172001| 13177000| 1.03E-09     |
| chr19| 13320001| 13325000| 0.007386722   |
| chr19| 13321001| 13326000| 0.006959773   |
| chr19 | 13322001 - 13327000 | 0.001621042 |
| chr19 | 13323001 - 13328000 | 0.002099093 |
| chr19 | 13324001 - 13329000 | 0.005043453 |
| chr19 | 13338001 - 13343000 | 1.91E-08 |
| chr19 | 13347001 - 13352000 | 1.31E-20 |
| chr19 | 13348001 - 13353000 | 8.23E-22 |
| chr19 | 13350001 - 13355000 | 8.70E-25 |
| chr19 | 13407001 - 13412000 | 0.000237345 |
| chr19 | 13413001 - 13418000 | 0.002509951 |
| chr19 | 13457001 - 13462000 | 1.39E-07 |
| chr19 | 13463001 - 13468000 | 1.45E-07 |
| chr19 | 13469001 - 13474000 | 5.26E-06 |
| chr19 | 13777001 - 13782000 | 2.13E-07 |
| chr19 | 13783001 - 13788000 | 1.03E-08 |
| chr19 | 13789001 - 13794000 | 7.44E-08 |
| chr19 | 13814001 - 13819000 | 6.03E-06 |
| chr19 | 13815001 - 13820000 | 7.17E-06 |
| chr19 | 13950001 - 13955000 | 0.000165174 |
| chr19 | 13956001 - 13961000 | 3.11E-06 |
| chr19 | 13992001 - 13997000 | 0.00320483 |
| chr19 | 14124001 - 14129000 | 5.51E-08 |
| chr19 | 14130001 - 14135000 | 2.59E-05 |
| chr19 | 14136001 - 14141000 | 0.001852845 |
| chr19 | 14192001 - 14197000 | 2.87E-09 |
| chr19 | 14272001 - 14277000 | 2.20E-08 |
| chr19 | 14783001 - 14788000 | 4.08E-09 |
| chr19 | 16188001 - 16193000 | 3.79E-14 |
| chr19 | 16390001 - 16395000 | 4.64E-15 |
| chr19 | 16692001 - 16697000 | 5.45E-07 |
| chr19 | 16693001 - 16698000 | 4.43E-08 |
| chr19 | 16694001 - 16699000 | 1.04E-07 |
| chr19 | 17321001 - 17326000 | 0.0004727 |
| chr19 | 17433001 - 17438000 | 3.26E-08 |
| chr19 | 17434001 - 17439000 | 2.94E-07 |
| chr19 | 17435001 - 17440000 | 2.18E-12 |
| chr19 | 17898001 - 17903000 | 8.37E-08 |
| chr19 | 17899001 - 17904000 | 3.14E-08 |
| chr19 | 18305001 - 18310000 | 3.35E-10 |
| chr19 | 18351001 - 18356000 | 3.66E-08 |
| chr19 | 18364001 - 18369000 | 3.85E-19 |
| chr19 | 18365001 - 18370000 | 1.19E-14 |
| chr19 | 18453001 - 18458000 | 0.000371965 |
| chr19 | 18454001 - 18459000 | 0.000191067 |
| chr19 | 18611001 - 18616000 | 1.47E-11 |
| chr19 | 18869001 - 18874000 | 0.001684576 |
| chr19 | 18947001 - 18952000 | 2.72E-13 |
| Chr  | Start (bp) | End (bp) | P-value |
|------|------------|----------|---------|
| chr19| 19304001   | 19309000 | 3.21E-11|
| chr19| 19305001   | 19310000 | 2.64E-11|
| chr19| 19383001   | 19388000 | 4.10E-15|
| chr19| 19384001   | 19389000 | 1.17E-09|
| chr19| 19619001   | 19624000 | 2.32E-15|
| chr19| 19620001   | 19625000 | 1.77E-17|
| chr19| 19711001   | 19716000 | 4.93E-05|
| chr19| 19712001   | 19717000 | 6.53E-05|
| chr19| 19947001   | 19952000 | 0.000769713|
| chr19| 20691001   | 20696000 | 7.57E-06|
| chr19| 20855001   | 20860000 | 0.025437117|
| chr19| 21406001   | 21411000 | 0.000318403|
| chr19| 21513001   | 21518000 | 0.00026017|
| chr19| 21683001   | 21688000 | 1.60E-10|
| chr19| 21916001   | 21921000 | 0.013314632|
| chr19| 21918001   | 21923000 | 2.40E-07|
| chr19| 22883001   | 22888000 | 2.99E-05|
| chr19| 23106001   | 23111000 | 3.35E-07|
| chr19| 23107001   | 23112000 | 1.53E-07|
| chr19| 23556001   | 23561000 | 6.06E-05|
| chr19| 23864001   | 23869000 | 8.94E-06|
| chr19| 23897001   | 23902000 | 0.002027958|
| chr19| 24311001   | 24316000 | 0.000179879|
| chr19| 24471001   | 24476000 | 0.000292951|
| chr19| 27749001   | 27754000 | 0.000442382|
| chr19| 28847001   | 28852000 | 0.000318767|
| chr19| 28848001   | 28853000 | 8.60E-05|
| chr19| 29447001   | 29452000 | 0.001021617|
| chr19| 30157001   | 30162000 | 3.68E-21|
| chr19| 30386001   | 30391000 | 3.03E-06|
| chr19| 30387001   | 30392000 | 1.83E-06|
| chr19| 30388001   | 30393000 | 4.08E-06|
| chr19| 33557001   | 33562000 | 0.001220234|
| chr19| 33646001   | 33651000 | 8.29E-05|
| chr19| 33648001   | 33653000 | 7.98E-05|
| chr19| 33859001   | 33864000 | 8.75E-23|
| chr19| 34732001   | 34737000 | 1.36E-07|
| chr19| 34757001   | 34762000 | 1.64E-14|
| chr19| 35588001   | 35593000 | 9.22E-08|
| chr19| 35695001   | 35700000 | 6.59E-09|
| chr19| 35741001   | 35746000 | 3.76E-11|
| chr19| 37421001   | 37426000 | 3.41E-07|
| chr19| 37904001   | 37909000 | 1.18E-05|
| chr19| 37905001   | 37910000 | 7.04E-08|
| chr19| 38390001   | 38395000 | 4.62E-08|
| chr19| 38700001   | 38705000 | 3.24E-08|
| chr19| 38701001   | 38706000 | 1.23E-10|
| chr19| 38702001   | 38707000 | 1.24E-10|
| Chromosome | Start | End   | p-value   |
|------------|-------|-------|-----------|
| chr19      | 38703001 | 38708000 | 1.04E-08  |
| chr19      | 38704001 | 38709000 | 1.66E-09  |
| chr19      | 38803001 | 38808000 | 1.08E-08  |
| chr19      | 39286001 | 39291000 | 1.95E-18  |
| chr19      | 39287001 | 39292000 | 3.22E-17  |
| chr19      | 39288001 | 39293000 | 4.09E-17  |
| chr19      | 39289001 | 39294000 | 8.80E-19  |
| chr19      | 39352001 | 39357000 | 4.70E-17  |
| chr19      | 39353001 | 39358000 | 2.27E-19  |
| chr19      | 39354001 | 39359000 | 2.26E-14  |
| chr19      | 39442001 | 39447000 | 0.00318192|
| chr19      | 39484001 | 39489000 | 0.004960705|
| chr19      | 39485001 | 39490000 | 5.21E-06  |
| chr19      | 40031001 | 40036000 | 1.27E-11  |
| chr19      | 40347001 | 40352000 | 3.21E-07  |
| chr19      | 40348001 | 40353000 | 6.04E-08  |
| chr19      | 40609001 | 40614000 | 2.47E-05  |
| chr19      | 40610001 | 40615000 | 1.40E-06  |
| chr19      | 40716001 | 40721000 | 5.32E-09  |
| chr19      | 40717001 | 40722000 | 2.08E-11  |
| chr19      | 41117001 | 41122000 | 5.38E-21  |
| chr19      | 41289001 | 41294000 | 0.000305657|
| chr19      | 41306001 | 41311000 | 0.009432975|
| chr19      | 41308001 | 41313000 | 0.000104406|
| chr19      | 41325001 | 41330000 | 1.05E-05  |
| chr19      | 41468001 | 41473000 | 8.33E-08  |
| chr19      | 41469001 | 41474000 | 3.98E-07  |
| chr19      | 41904001 | 41909000 | 3.17E-08  |
| chr19      | 42375001 | 42380000 | 7.70E-13  |
| chr19      | 42465001 | 42470000 | 0.00015007 |
| chr19      | 42466001 | 42471000 | 3.95E-07  |
| chr19      | 42467001 | 42472000 | 2.17E-11  |
| chr19      | 42468001 | 42473000 | 3.65E-12  |
| chr19      | 42477001 | 42482000 | 6.76E-16  |
| chr19      | 42478001 | 42483000 | 7.83E-22  |
| chr19      | 42480001 | 42485000 | 3.39E-10  |
| chr19      | 42507001 | 42512000 | 3.42E-09  |
| chr19      | 42537001 | 42542000 | 8.56E-12  |
| chr19      | 42538001 | 42543000 | 7.85E-10  |
| chr19      | 42566001 | 42571000 | 3.25E-11  |
| chr19      | 42590001 | 42595000 | 0.001392192|
| chr19      | 42591001 | 42596000 | 0.000221127|
| chr19      | 42693001 | 42698000 | 0.00015569|
| chr19      | 42696001 | 42701000 | 3.61E-06  |
| chr19      | 43343001 | 43348000 | 9.36E-05  |
| chr19      | 43356001 | 43361000 | 1.99E-05  |
| chr19      | 43613001 | 43618000 | 3.67E-07  |
| Chromosome | Start Position | End Position | P Value |
|------------|----------------|-------------|---------|
| chr19      | 43704001       | 43709000    | 0.000431239 |
| chr19      | 43730001       | 43735000    | 7.16E-05 |
| chr19      | 43731001       | 43736000    | 0.000141705 |
| chr19      | 43732001       | 43737000    | 0.002453707 |
| chr19      | 43752001       | 43757000    | 1.20E-13 |
| chr19      | 43765001       | 43770000    | 4.71E-14 |
| chr19      | 43767001       | 43772000    | 2.28E-11 |
| chr19      | 43768001       | 43773000    | 9.76E-13 |
| chr19      | 43791001       | 43796000    | 3.70E-06 |
| chr19      | 43792001       | 43797000    | 1.75E-06 |
| chr19      | 43799001       | 43804000    | 0.009033187 |
| chr19      | 43808001       | 43813000    | 5.52E-07 |
| chr19      | 43846001       | 43851000    | 1.10E-11 |
| chr19      | 43847001       | 43852000    | 2.63E-11 |
| chr19      | 43874001       | 43879000    | 9.15E-08 |
| chr19      | 43875001       | 43880000    | 8.57E-08 |
| chr19      | 44519001       | 44524000    | 0.000101405 |
| chr19      | 44520001       | 44525000    | 0.000739011 |
| chr19      | 44612001       | 44617000    | 1.87E-15 |
| chr19      | 45104001       | 45109000    | 2.73E-09 |
| chr19      | 45105001       | 45110000    | 5.23E-14 |
| chr19      | 45106001       | 45111000    | 1.82E-09 |
| chr19      | 45107001       | 45112000    | 5.33E-09 |
| chr19      | 45257001       | 45262000    | 1.47E-09 |
| chr19      | 45258001       | 45263000    | 9.60E-07 |
| chr19      | 45515001       | 45520000    | 1.74E-15 |
| chr19      | 45516001       | 45521000    | 1.91E-12 |
| chr19      | 45517001       | 45522000    | 5.96E-12 |
| chr19      | 45518001       | 45523000    | 1.96E-10 |
| chr19      | 45519001       | 45524000    | 1.27E-09 |
| chr19      | 45765001       | 45770000    | 0.00041953 |
| chr19      | 45797001       | 45802000    | 0.000194506 |
| chr19      | 45798001       | 45803000    | 4.69E-05 |
| chr19      | 45806001       | 45811000    | 1.85E-08 |
| chr19      | 45830001       | 45835000    | 8.06E-05 |
| chr19      | 46036001       | 46041000    | 5.65E-06 |
| chr19      | 46148001       | 46153000    | 8.83E-11 |
| chr19      | 46215001       | 46220000    | 4.00E-16 |
| chr19      | 46276001       | 46281000    | 1.27E-07 |
| chr19      | 46299001       | 46304000    | 1.98E-05 |
| chr19      | 46300001       | 46305000    | 1.03E-06 |
| chr19      | 46319001       | 46324000    | 9.69E-10 |
| chr19      | 46532001       | 46537000    | 0.00120778 |
| chr19      | 46533001       | 46538000    | 0.000264258 |
| chr19      | 46534001       | 46539000    | 2.47E-06 |
| chr19      | 46933001       | 46938000    | 5.88E-07 |
| chr19      | 46965001       | 46970000    | 1.13E-09 |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr19      | 52739001       | 52744000     | 3.18E-09|
| chr19      | 52740001       | 52745000     | 5.87E-09|
| chr19      | 52758001       | 52763000     | 2.13E-13|
| chr19      | 55651001       | 55656000     | 2.11E-12|
| chr19      | 56003001       | 56008000     | 4.51E-07|
| chr19      | 56045001       | 56050000     | 0.000292282|
| chr19      | 56167001       | 56172000     | 2.19E-23|
| chr19      | 56613001       | 56618000     | 3.61E-16|
| chr19      | 56614001       | 56619000     | 1.66E-16|
| chr19      | 56615001       | 56620000     | 4.62E-20|
| chr19      | 56673001       | 56678000     | 9.36E-05|
| chr19      | 56674001       | 56679000     | 1.19E-05|
| chr19      | 56841001       | 56846000     | 1.50E-05|
| chr19      | 56933001       | 56938000     | 0.000577214|
| chr19      | 57126001       | 57131000     | 1.60E-12|
| chr19      | 57127001       | 57132000     | 3.10E-11|
| chr19      | 57129001       | 57134000     | 7.50E-18|
| chr19      | 57130001       | 57135000     | 2.21E-17|
| chr19      | 57133001       | 57138000     | 4.61E-12|
| chr19      | 57134001       | 57139000     | 2.52E-13|
| chr19      | 57135001       | 57140000     | 2.74E-11|
| chr19      | 57136001       | 57141000     | 2.36E-09|
| chr19      | 57844001       | 57849000     | 7.57E-19|
| chr19      | 57845001       | 57850000     | 3.89E-16|
| chr19      | 58151001       | 58156000     | 1.58E-08|
| chr19      | 58152001       | 58157000     | 8.20E-09|
| chr19      | 58153001       | 58158000     | 6.66E-05|
| chr19      | 58154001       | 58159000     | 1.24E-06|
| chr19      | 58155001       | 58160000     | 1.32E-09|
| chr19      | 58879001       | 58884000     | 1.67E-22|
| chr19      | 58880001       | 58885000     | 1.59E-16|
| chr19      | 58972001       | 58977000     | 2.55E-11|
| chr19      | 58973001       | 58978000     | 2.66E-12|
| chr20      | 796001         | 801000       | 6.72E-05|
| chr20      | 1778001        | 1783000      | 0.000210131|
| chr20      | 2196001        | 2201000      | 0.004372524|
| chr20      | 2276001        | 2281000      | 8.87E-16|
| chr20      | 2277001        | 2282000      | 6.17E-13|
| chr20      | 2278001        | 2283000      | 1.64E-14|
| chr20      | 2280001        | 2285000      | 1.15E-06|
| chr20      | 2313001        | 2318000      | 2.92E-10|
| chr20      | 3057001        | 3062000      | 3.08E-06|
| chr20      | 3668001        | 3673000      | 5.03E-08|
| chr20      | 3855001        | 3860000      | 3.64E-08|
| chr20      | 3857001        | 3862000      | 2.06E-09|
| chr20      | 3858001        | 3863000      | 1.49E-08|
| chr20      | 4439001        | 4444000      | 3.19E-05|
| chr20      | 4440001        | 4445000      | 6.15E-07|
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr20      | 4441001        | 4446000      | 2.15E-06       |
| chr20      | 4442001        | 4447000      | 0.00160611     |
| chr20      | 4480001        | 4485000      | 2.49E-09       |
| chr20      | 4481001        | 4486000      | 2.47E-11       |
| chr20      | 4482001        | 4487000      | 2.71E-20       |
| chr20      | 4592001        | 4597000      | 1.35E-13       |
| chr20      | 4593001        | 4598000      | 3.16E-12       |
| chr20      | 4703001        | 4708000      | 2.58E-18       |
| chr20      | 4704001        | 4709000      | 7.39E-17       |
| chr20      | 5623001        | 5628000      | 6.55E-16       |
| chr20      | 5625001        | 5630000      | 1.97E-15       |
| chr20      | 5626001        | 5631000      | 4.70E-23       |
| chr20      | 5679001        | 5684000      | 3.33E-11       |
| chr20      | 5680001        | 5685000      | 9.47E-21       |
| chr20      | 5681001        | 5686000      | 1.80E-19       |
| chr20      | 5682001        | 5687000      | 1.14E-20       |
| chr20      | 5778001        | 5783000      | 9.20E-05       |
| chr20      | 5877001        | 5882000      | 0.000437198    |
| chr20      | 6290001        | 6295000      | 0.000887481    |
| chr20      | 6376001        | 6381000      | 0.006995603    |
| chr20      | 6377001        | 6382000      | 0.00477352     |
| chr20      | 6614001        | 6619000      | 9.11E-05       |
| chr20      | 6615001        | 6620000      | 9.24E-09       |
| chr20      | 6616001        | 6621000      | 1.25E-07       |
| chr20      | 6781001        | 6786000      | 3.70E-10       |
| chr20      | 6900001        | 6905000      | 4.88E-13       |
| chr20      | 7045001        | 7050000      | 1.13E-05       |
| chr20      | 7046001        | 7051000      | 6.22E-07       |
| chr20      | 7047001        | 7052000      | 1.11E-06       |
| chr20      | 7176001        | 7181000      | 1.98E-06       |
| chr20      | 7178001        | 7183000      | 0.000513486    |
| chr20      | 7179001        | 7184000      | 0.000953085    |
| chr20      | 7187001        | 7192000      | 9.74E-05       |
| chr20      | 7349001        | 7354000      | 0.002174768    |
| chr20      | 7370001        | 7375000      | 0.00020608     |
| chr20      | 7373001        | 7378000      | 2.67E-06       |
| chr20      | 7374001        | 7379000      | 1.15E-05       |
| chr20      | 7688001        | 7693000      | 7.20E-07       |
| chr20      | 7769001        | 7774000      | 7.76E-12       |
| chr20      | 7770001        | 7775000      | 3.32E-11       |
| chr20      | 7798001        | 7803000      | 0.00096273     |
| chr20      | 7800001        | 7805000      | 0.000154623    |
| chr20      | 8469001        | 8474000      | 0.001547965    |
| chr20      | 8837001        | 8842000      | 3.16E-07       |
| chr20      | 9042001        | 9047000      | 1.60E-07       |
| chr20      | 9710001        | 9715000      | 0.001831087    |
| chr20      | 9739001        | 9744000      | 9.67E-06       |
| chr20      | 9740001        | 9745000      | 1.65E-07       |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr20      | 9827001 | 9832000 | 1.94E-05  |
| chr20      | 9982001 | 9987000 | 1.15E-05  |
| chr20      | 9983001 | 9988000 | 1.22E-06  |
| chr20      | 10048001 | 10053000 | 0.000163603 |
| chr20      | 10050001 | 10055000 | 0.000298503 |
| chr20      | 10079001 | 10084000 | 6.80E-05  |
| chr20      | 10080001 | 10085000 | 5.02E-05  |
| chr20      | 10154001 | 10159000 | 1.55E-08  |
| chr20      | 10155001 | 10160000 | 1.91E-11  |
| chr20      | 10156001 | 10161000 | 9.79E-09  |
| chr20      | 10204001 | 10209000 | 5.42E-06  |
| chr20      | 10205001 | 10210000 | 1.46E-06  |
| chr20      | 10206001 | 10211000 | 2.94E-05  |
| chr20      | 10207001 | 10212000 | 7.71E-06  |
| chr20      | 10278001 | 10283000 | 1.51E-10  |
| chr20      | 10283001 | 10288000 | 5.08E-05  |
| chr20      | 10284001 | 10289000 | 7.16E-08  |
| chr20      | 10285001 | 10290000 | 1.25E-06  |
| chr20      | 10316001 | 10321000 | 0.000208199 |
| chr20      | 11591001 | 11596000 | 5.19E-06  |
| chr20      | 11592001 | 11597000 | 9.91E-06  |
| chr20      | 11669001 | 11674000 | 4.87E-06  |
| chr20      | 11670001 | 11675000 | 2.59E-07  |
| chr20      | 11671001 | 11676000 | 6.60E-08  |
| chr20      | 11682001 | 11687000 | 8.11E-06  |
| chr20      | 11761001 | 11766000 | 6.00E-06  |
| chr20      | 11773001 | 11778000 | 7.91E-10  |
| chr20      | 11774001 | 11779000 | 3.37E-07  |
| chr20      | 11775001 | 11780000 | 4.91E-06  |
| chr20      | 11813001 | 11818000 | 2.64E-09  |
| chr20      | 11959001 | 11964000 | 4.59E-06  |
| chr20      | 12012001 | 12017000 | 1.96E-09  |
| chr20      | 12013001 | 12018000 | 7.83E-20  |
| chr20      | 12014001 | 12019000 | 1.24E-15  |
| chr20      | 12059001 | 12064000 | 0.000144048 |
| chr20      | 12060001 | 12065000 | 0.000220543 |
| chr20      | 12072001 | 12077000 | 9.50E-08  |
| chr20      | 12080001 | 12085000 | 4.96E-05  |
| chr20      | 12194001 | 12199000 | 0.000227042 |
| chr20      | 12235001 | 12240000 | 0.000500351 |
| chr20      | 12236001 | 12241000 | 1.43E-05  |
| chr20      | 12237001 | 12242000 | 2.58E-05  |
| chr20      | 12252001 | 12257000 | 0.000110769 |
| chr20      | 12326001 | 12331000 | 3.98E-07  |
| chr20      | 12377001 | 12382000 | 0.005639309 |
| chr20      | 12380001 | 12385000 | 0.002807658 |
| chr20      | 12382001 | 12387000 | 9.76E-06  |
| chr20      | 12383001 | 12388000 | 2.28E-05  |
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chr20      | 12384001       | 12389000     | 0.000164621 |
| chr20      | 12440001       | 12445000     | 2.32E-05   |
| chr20      | 12460001       | 12465000     | 2.65E-06   |
| chr20      | 12461001       | 12466000     | 7.03E-05   |
| chr20      | 12598001       | 12603000     | 1.97E-10   |
| chr20      | 12599001       | 12604000     | 2.06E-09   |
| chr20      | 12600001       | 12605000     | 1.07E-09   |
| chr20      | 12601001       | 12606000     | 2.05E-07   |
| chr20      | 12602001       | 12607000     | 0.000630149 |
| chr20      | 12603001       | 12608000     | 0.000748784 |
| chr20      | 12606001       | 12611000     | 0.000335019 |
| chr20      | 12607001       | 12612000     | 0.000108205 |
| chr20      | 12608001       | 12613000     | 1.87E-11   |
| chr20      | 12609001       | 12614000     | 1.59E-08   |
| chr20      | 12610001       | 12615000     | 1.56E-08   |
| chr20      | 12702001       | 12707000     | 0.000194231 |
| chr20      | 12703001       | 12708000     | 1.89E-05   |
| chr20      | 12706001       | 12711000     | 5.51E-05   |
| chr20      | 12707001       | 12712000     | 0.00022619 |
| chr20      | 12894001       | 12899000     | 3.48E-08   |
| chr20      | 12970001       | 12975000     | 5.18E-08   |
| chr20      | 12974001       | 12979000     | 3.13E-05   |
| chr20      | 12975001       | 12980000     | 3.13E-05   |
| chr20      | 13178001       | 13183000     | 8.25E-08   |
| chr20      | 13179001       | 13184000     | 6.82E-11   |
| chr20      | 13180001       | 13185000     | 1.24E-10   |
| chr20      | 13862001       | 13867000     | 1.53E-13   |
| chr20      | 13863001       | 13868000     | 4.70E-15   |
| chr20      | 13899001       | 13904000     | 2.39E-06   |
| chr20      | 13982001       | 13987000     | 7.06E-11   |
| chr20      | 13983001       | 13988000     | 2.58E-06   |
| chr20      | 13994001       | 13999000     | 4.60E-12   |
| chr20      | 13997001       | 14002000     | 6.89E-13   |
| chr20      | 13998001       | 14003000     | 3.85E-12   |
| chr20      | 13999001       | 14004000     | 2.44E-12   |
| chr20      | 14000001       | 14005000     | 1.53E-12   |
| chr20      | 14049001       | 14054000     | 8.06E-13   |
| chr20      | 14128001       | 14133000     | 3.42E-05   |
| chr20      | 14129001       | 14134000     | 4.83E-05   |
| chr20      | 14131001       | 14136000     | 1.20E-06   |
| chr20      | 14143001       | 14148000     | 7.59E-06   |
| chr20      | 14146001       | 14151000     | 1.40E-08   |
| chr20      | 14147001       | 14152000     | 1.11E-09   |
| chr20      | 14183001       | 14188000     | 2.28E-06   |
| chr20      | 14263001       | 14268000     | 2.94E-08   |
| chr20      | 14272001       | 14277000     | 3.67E-07   |
| chr20      | 14273001       | 14278000     | 9.38E-08   |
| chr20      | 14274001       | 14279000     | 0.00059678  |
| Chromosome | Start | End   | Value     |
|------------|-------|-------|-----------|
| chr20      | 14275001 | 14280000 | 0.001440651 |
| chr20      | 14277001 | 14282000 | 9.62E-05    |
| chr20      | 14319001 | 14324000 | 5.66E-08    |
| chr20      | 14320001 | 14325000 | 2.28E-08    |
| chr20      | 14321001 | 14326000 | 5.14E-09    |
| chr20      | 14348001 | 14353000 | 0.000501598 |
| chr20      | 14350001 | 14354000 | 0.000434989 |
| chr20      | 14351001 | 14356000 | 6.74E-05    |
| chr20      | 14569001 | 14574000 | 1.50E-06    |
| chr20      | 14570001 | 14575000 | 0.00129969  |
| chr20      | 14587001 | 14592000 | 7.98E-06    |
| chr20      | 14605001 | 14610000 | 2.43E-09    |
| chr20      | 14606001 | 14611000 | 2.77E-08    |
| chr20      | 14607001 | 14612000 | 3.69E-06    |
| chr20      | 14658001 | 14663000 | 0.019587236 |
| chr20      | 14685001 | 14690000 | 1.04E-07    |
| chr20      | 14689001 | 14694000 | 0.000143926 |
| chr20      | 14690001 | 14695000 | 0.001304336 |
| chr20      | 14691001 | 14696000 | 0.00174459  |
| chr20      | 14692001 | 14697000 | 5.70E-05    |
| chr20      | 14912001 | 14917000 | 3.66E-06    |
| chr20      | 14914001 | 14919000 | 5.34E-06    |
| chr20      | 15010001 | 15015000 | 6.13E-26    |
| chr20      | 15011001 | 15016000 | 1.42E-32    |
| chr20      | 15012001 | 15017000 | 1.04E-32    |
| chr20      | 15013001 | 15018000 | 1.56E-23    |
| chr20      | 15042001 | 15047000 | 4.97E-11    |
| chr20      | 15043001 | 15048000 | 1.74E-22    |
| chr20      | 15044001 | 15049000 | 3.97E-20    |
| chr20      | 15045001 | 15050000 | 7.42E-21    |
| chr20      | 15046001 | 15051000 | 2.90E-16    |
| chr20      | 15047001 | 15052000 | 5.13E-16    |
| chr20      | 15050001 | 15055000 | 9.54E-06    |
| chr20      | 15087001 | 15092000 | 0.00172954  |
| chr20      | 15100001 | 15105000 | 4.44E-07    |
| chr20      | 15124001 | 15129000 | 2.52E-10    |
| chr20      | 15198001 | 15203000 | 8.14E-11    |
| chr20      | 15199001 | 15204000 | 1.87E-07    |
| chr20      | 15211001 | 15216000 | 2.11E-09    |
| chr20      | 15250001 | 15255000 | 1.97E-06    |
| chr20      | 15251001 | 15256000 | 4.03E-06    |
| chr20      | 15296001 | 15301000 | 3.19E-05    |
| chr20      | 15302001 | 15307000 | 0.001579368 |
| chr20      | 15450001 | 15455000 | 2.92E-07    |
| chr20      | 15657001 | 15662000 | 0.000142472 |
| chr20      | 15666001 | 15671000 | 8.74E-08    |
| Chromosome | Start | End   | p-value      |
|------------|-------|-------|--------------|
| chr20      | 15667001 | 15672000 | 3.76E-06   |
| chr20      | 15712001 | 15717000 | 2.16E-05   |
| chr20      | 15713001 | 15718000 | 2.16E-05   |
| chr20      | 15714001 | 15719000 | 1.15E-05   |
| chr20      | 15735001 | 15740000 | 3.50E-08   |
| chr20      | 15769001 | 15774000 | 0.000847262 |
| chr20      | 15844001 | 15849000 | 1.41E-05   |
| chr20      | 15894001 | 15899000 | 0.000260579 |
| chr20      | 15945001 | 15950000 | 0.00109862 |
| chr20      | 15967001 | 15972000 | 0.008191122 |
| chr20      | 15969001 | 15974000 | 2.54E-05   |
| chr20      | 15970001 | 15975000 | 0.000105795 |
| chr20      | 15971001 | 15976000 | 3.82E-05   |
| chr20      | 16035001 | 16040000 | 1.82E-08   |
| chr20      | 16069001 | 16074000 | 1.42E-07   |
| chr20      | 16099001 | 16104000 | 0.000419248 |
| chr20      | 16205001 | 16210000 | 2.46E-07   |
| chr20      | 16239001 | 16244000 | 3.15E-06   |
| chr20      | 17972001 | 17977000 | 6.45E-09   |
| chr20      | 18042001 | 18047000 | 1.30E-08   |
| chr20      | 18206001 | 18211000 | 6.73E-09   |
| chr20      | 18706001 | 18711000 | 6.18E-05   |
| chr20      | 19374001 | 19379000 | 8.77E-05   |
| chr20      | 21494001 | 21499000 | 1.01E-23   |
| chr20      | 21495001 | 21500000 | 2.06E-38   |
| chr20      | 21496001 | 21501000 | 3.08E-44   |
| chr20      | 21601001 | 21606000 | 0.001207981 |
| chr20      | 21949001 | 21954000 | 0.00076601 |
| chr20      | 21950001 | 21955000 | 0.000293922 |
| chr20      | 21951001 | 21956000 | 0.000531027 |
| chr20      | 22319001 | 22324000 | 9.37E-18   |
| chr20      | 22647001 | 22652000 | 1.17E-06   |
| chr20      | 22648001 | 22653000 | 5.08E-06   |
| chr20      | 22649001 | 22654000 | 9.02E-05   |
| chr20      | 24165001 | 24170000 | 1.67E-05   |
| chr20      | 24166001 | 24171000 | 0.004269733 |
| chr20      | 24406001 | 24411000 | 7.22E-06   |
| chr20      | 25013001 | 25018000 | 1.28E-17   |
| chr20      | 25167001 | 25172000 | 5.61E-07   |
| chr20      | 26285001 | 26290000 | 0.001965629 |
| chr20      | 26286001 | 26291000 | 0.004462457 |
| chr20      | 29449001 | 29454000 | 9.95E-10   |
| chr20      | 29450001 | 29455000 | 3.52E-09   |
| chr20      | 29451001 | 29456000 | 6.32E-10   |
| chr20      | 29452001 | 29457000 | 3.57E-08   |
| chr20      | 29453001 | 29458000 | 1.74E-08   |
| chr20      | 30010001 | 30015000 | 5.37E-12   |
| chr20      | 30011001 | 30016000 | 1.61E-10   |
| chr20 | 30296001 | 30301000 | 3.53E-17 |
| chr20 | 30297001 | 30302000 | 1.28E-16 |
| chr20 | 30613001 | 30618000 | 2.10E-09 |
| chr20 | 30614001 | 30619000 | 1.13E-09 |
| chr20 | 30788001 | 30793000 | 2.86E-18 |
| chr20 | 31230001 | 31235000 | 3.36E-11 |
| chr20 | 31231001 | 31236000 | 2.81E-10 |
| chr20 | 31483001 | 31488000 | 4.93E-10 |
| chr20 | 31866001 | 31871000 | 5.89E-11 |
| chr20 | 32286001 | 32291000 | 7.62E-10 |
| chr20 | 32287001 | 32292000 | 2.80E-07 |
| chr20 | 32288001 | 32293000 | 2.84E-09 |
| chr20 | 32400001 | 32405000 | 3.35E-21 |
| chr20 | 32449001 | 32454000 | 1.71E-11 |
| chr20 | 32628001 | 32633000 | 3.84E-20 |
| chr20 | 32717001 | 32722000 | 1.34E-21 |
| chr20 | 32908001 | 32913000 | 7.56E-10 |
| chr20 | 33132001 | 33137000 | 9.90E-13 |
| chr20 | 33133001 | 33138000 | 2.48E-28 |
| chr20 | 33134001 | 33139000 | 3.23E-26 |
| chr20 | 33135001 | 33140000 | 7.22E-24 |
| chr20 | 33136001 | 33141000 | 5.12E-20 |
| chr20 | 33570001 | 33575000 | 3.39E-12 |
| chr20 | 33571001 | 33576000 | 8.99E-13 |
| chr20 | 34318001 | 34323000 | 4.42E-05 |
| chr20 | 34570001 | 34575000 | 1.49E-14 |
| chr20 | 34571001 | 34576000 | 8.57E-16 |
| chr20 | 34572001 | 34577000 | 2.46E-18 |
| chr20 | 34573001 | 34578000 | 1.08E-11 |
| chr20 | 34577001 | 34582000 | 3.00E-08 |
| chr20 | 34578001 | 34583000 | 2.68E-09 |
| chr20 | 35061001 | 35066000 | 6.05E-09 |
| chr20 | 35071001 | 35076000 | 7.24E-09 |
| chr20 | 35072001 | 35077000 | 5.11E-09 |
| chr20 | 35170001 | 35175000 | 1.06E-08 |
| chr20 | 35249001 | 35254000 | 6.68E-08 |
| chr20 | 35250001 | 35255000 | 4.17E-07 |
| chr20 | 35303001 | 35308000 | 7.53E-18 |
| chr20 | 35820001 | 35825000 | 4.75E-09 |
| chr20 | 36164001 | 36169000 | 2.57E-08 |
| chr20 | 36179001 | 36184000 | 1.37E-17 |
| chr20 | 37087001 | 37092000 | 9.98E-14 |
| chr20 | 37088001 | 37093000 | 3.22E-17 |
| chr20 | 37089001 | 37094000 | 1.61E-20 |
| chr20 | 37812001 | 37817000 | 0.015476894 |
| chr20 | 38188001 | 38193000 | 0.000448212 |
| chr20 | 38654001 | 38659000 | 0.000206878 |
| chr20 | 39026001 | 39031000 | 7.45E-06 |
chr20  47951001  47956000  4.79E-21
chr20  47952001  47957000  1.94E-18
chr20  47953001  47958000  3.68E-15
chr20  47974001  47979000  1.96E-11
chr20  47975001  47980000  2.28E-09
chr20  48133001  48138000  5.72E-09
chr20  48506001  48511000  1.82E-17
chr20  49130001  49135000  3.53E-09
chr20  49131001  49136000  7.84E-14
chr20  49590001  49595000  2.01E-08
chr20  49591001  49596000  2.43E-08
chr20  49592001  49597000  1.18E-20
chr20  49593001  49598000  2.94E-19
chr20  49594001  49599000  7.17E-12
chr20  49616001  49621000  8.74E-07
chr20  49871001  49876000  1.35E-05
chr20  49872001  49877000  1.27E-05
chr20  49995001  50000000  1.22E-11
chr20  49996001  50001000  1.22E-12
chr20  49997001  50002000  4.25E-11
chr20  50170001  50175000  7.94E-16
chr20  50171001  50176000  3.03E-29
chr20  50172001  50177000  1.39E-26
chr20  50173001  50178000  1.38E-13
chr20  50297001  50302000  7.18E-11
chr20  50543001  50548000  5.57E-16
chr20  50544001  50549000  3.54E-10
chr20  50545001  50550000  1.06E-11
chr20  50568001  50573000  2.08E-09
chr20  50569001  50574000  4.39E-08
chr20  50602001  50607000  2.97E-06
chr20  50664001  50669000  1.71E-14
chr20  50693001  50698000  9.04E-09
chr20  50697001  50702000  2.43E-22
chr20  50698001  50703000  5.28E-19
chr20  51109001  51114000  2.96E-23
chr20  51110001  51115000  7.81E-16
chr20  51111001  51116000  2.00E-14
chr20  52195001  52200000  2.30E-31
chr20  52196001  52201000  1.65E-24
chr20  52226001  52231000  4.79E-05
chr20  52238001  52243000  2.03E-09
chr20  52239001  52244000  7.79E-10
chr20  52483001  52488000  2.02E-06
chr20  52637001  52642000  5.37E-05
chr20  52638001  52643000  1.71E-05
chr20  53358001  53363000  2.97E-05
chr20  53474001  53479000  0.003849648
| Chr | Start  | End    | Value       |
|-----|--------|--------|-------------|
| chr20 | 53476001 | 53481000 | 2.82E-05    |
| chr20 | 53550001 | 53555000 | 5.26E-06    |
| chr20 | 53551001 | 53560000 | 3.29E-06    |
| chr20 | 53639001 | 53644000 | 1.50E-06    |
| chr20 | 53854001 | 53859000 | 4.03E-05    |
| chr20 | 54043001 | 54048000 | 2.17E-08    |
| chr20 | 54044001 | 54049000 | 0.00183382  |
| chr20 | 54145001 | 54150000 | 1.19E-10    |
| chr20 | 54148001 | 54153000 | 7.25E-05    |
| chr20 | 54443001 | 54448000 | 0.000898806 |
| chr20 | 54444001 | 54449000 | 0.000114228 |
| chr20 | 54649001 | 54654000 | 3.92E-06    |
| chr20 | 54650001 | 54655000 | 4.31E-06    |
| chr20 | 54656001 | 54661000 | 0.002890876 |
| chr20 | 54709001 | 54714000 | 0.001727924 |
| chr20 | 54755001 | 54760000 | 3.39E-06    |
| chr20 | 55151001 | 55156000 | 7.80E-08    |
| chr20 | 55989001 | 55994000 | 1.67E-08    |
| chr20 | 56289001 | 56294000 | 2.36E-24    |
| chr20 | 56420001 | 56425000 | 1.30E-06    |
| chr20 | 56430001 | 56435000 | 2.49E-05    |
| chr20 | 56537001 | 56542000 | 7.44E-10    |
| chr20 | 56538001 | 56543000 | 9.02E-09    |
| chr20 | 56539001 | 56544000 | 6.88E-08    |
| chr20 | 56788001 | 56793000 | 4.84E-08    |
| chr20 | 57644001 | 57649000 | 8.85E-12    |
| chr20 | 57645001 | 57650000 | 6.59E-12    |
| chr20 | 57646001 | 57651000 | 5.75E-08    |
| chr20 | 57647001 | 57652000 | 5.82E-10    |
| chr20 | 57659001 | 57664000 | 9.86E-12    |
| chr20 | 57660001 | 57665000 | 1.77E-10    |
| chr20 | 57661001 | 57666000 | 1.94E-08    |
| chr20 | 57662001 | 57667000 | 1.79E-07    |
| chr20 | 57793001 | 57798000 | 4.85E-23    |
| chr20 | 57814001 | 57819000 | 2.10E-14    |
| chr20 | 58287001 | 58292000 | 3.25E-05    |
| chr20 | 60506001 | 60511000 | 5.20E-10    |
| chr20 | 60507001 | 60512000 | 1.49E-10    |
| chr20 | 61066001 | 61071000 | 4.02E-21    |
| chr20 | 61067001 | 61072000 | 2.19E-15    |
| chr20 | 61068001 | 61073000 | 5.11E-13    |
| chr20 | 61186001 | 61191000 | 2.98E-09    |
| chr20 | 61187001 | 61192000 | 5.47E-08    |
| chr20 | 61205001 | 61210000 | 3.92E-11    |
| chr20 | 61290001 | 61295000 | 1.98E-09    |
| chr20 | 61292001 | 61297000 | 1.76E-09    |
| chr20 | 61383001 | 61388000 | 1.06E-16    |
| chr20 | 61403001 | 61408000 | 1.14E-15    |
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chr20      | 61404001       | 61409000     | 5.60E-13 |
| chr20      | 61405001       | 61410000     | 3.53E-26 |
| chr20      | 61407001       | 61412000     | 2.39E-15 |
| chr20      | 61408001       | 61413000     | 7.78E-16 |
| chr20      | 61409001       | 61414000     | 2.11E-16 |
| chr20      | 61921001       | 61926000     | 6.74E-09 |
| chr20      | 61938001       | 61943000     | 2.93E-06 |
| chr20      | 61940001       | 61945000     | 1.93E-05 |
| chr20      | 61941001       | 61946000     | 6.58E-06 |
| chr20      | 62035001       | 62040000     | 7.99E-09 |
| chr20      | 62106001       | 62111000     | 8.65E-06 |
| chr20      | 62107001       | 62112000     | 2.87E-08 |
| chr20      | 62125001       | 62130000     | 1.00E-18 |
| chr20      | 62126001       | 62131000     | 2.72E-15 |
| chr20      | 62260001       | 62265000     | 3.94E-11 |
| chr20      | 62262001       | 62267000     | 2.40E-19 |
| chr20      | 62386001       | 62391000     | 4.28E-13 |
| chr20      | 62470001       | 62475000     | 1.07E-14 |
| chr20      | 62481001       | 62486000     | 1.37E-15 |
| chr20      | 62539001       | 62544000     | 1.54E-08 |
| chr20      | 62818001       | 62823000     | 1.67E-05 |
| chr20      | 62915001       | 62920000     | 4.53E-05 |
| chr20      | 62916001       | 62921000     | 3.93E-05 |
| chr21      | 9969001        | 9974000      | 0.000358464 |
| chr21      | 9970001        | 9975000      | 0.003523927 |
| chr21      | 9973001        | 9978000      | 0.013829075 |
| chr21      | 14542001       | 14547000     | 0.000249299 |
| chr21      | 15321001       | 15326000     | 0.001243655 |
| chr21      | 15600001       | 15605000     | 0.000392252 |
| chr21      | 16079001       | 16084000     | 6.28E-05  |
| chr21      | 16165001       | 16170000     | 0.019167578 |
| chr21      | 16208001       | 16213000     | 0.000272173 |
| chr21      | 16495001       | 16500000     | 0.000170661 |
| chr21      | 16496001       | 16501000     | 7.24E-05  |
| chr21      | 16497001       | 16502000     | 2.01E-08  |
| chr21      | 16589001       | 16594000     | 2.71E-09  |
| chr21      | 16975001       | 16980000     | 0.000144765 |
| chr21      | 16976001       | 16981000     | 0.000364768 |
| chr21      | 17055001       | 17060000     | 0.000338272 |
| chr21      | 17789001       | 17794000     | 5.16E-05  |
| chr21      | 17790001       | 17795000     | 1.26E-05  |
| chr21      | 17791001       | 17796000     | 1.11E-05  |
| chr21      | 18621001       | 18626000     | 0.001240825 |
| chr21      | 18622001       | 18627000     | 0.004982104 |
| chr21      | 18770001       | 18775000     | 0.000270755 |
| chr21      | 19438001       | 19443000     | 0.003090788 |
| chr21      | 19439001       | 19444000     | 5.37E-05  |
| chr21      | 19440001       | 19445000     | 5.76E-05  |
| Chromosome  | Start Position | End Position | p-Value   |
|------------|----------------|-------------|-----------|
| chr21      | 22877001       | 22882000    | 5.60E-07  |
| chr21      | 22971001       | 22976000    | 2.25E-08  |
| chr21      | 22972001       | 22977000    | 4.33E-09  |
| chr21      | 22973001       | 22978000    | 2.33E-07  |
| chr21      | 23314001       | 23319000    | 2.95E-05  |
| chr21      | 23315001       | 23320000    | 1.66E-05  |
| chr21      | 23465001       | 23470000    | 3.30E-06  |
| chr21      | 23466001       | 23471000    | 2.25E-07  |
| chr21      | 23467001       | 23472000    | 1.78E-07  |
| chr21      | 23517001       | 23522000    | 2.03E-06  |
| chr21      | 23518001       | 23523000    | 1.90E-07  |
| chr21      | 23772001       | 23777000    | 0.001823027|
| chr21      | 23783001       | 23788000    | 1.19E-05  |
| chr21      | 23784001       | 23789000    | 1.50E-05  |
| chr21      | 23977001       | 23982000    | 2.16E-05  |
| chr21      | 24026001       | 24031000    | 0.000306712|
| chr21      | 24082001       | 24087000    | 1.15E-06  |
| chr21      | 24207001       | 24212000    | 0.001830596|
| chr21      | 24372001       | 24377000    | 0.001382342|
| chr21      | 24558001       | 24563000    | 3.07E-05  |
| chr21      | 24593001       | 24598000    | 0.000111927|
| chr21      | 24680001       | 24685000    | 0.003919002|
| chr21      | 24728001       | 24733000    | 0.000173997|
| chr21      | 24729001       | 24734000    | 0.000420924|
| chr21      | 24730001       | 24735000    | 3.27E-05  |
| chr21      | 24731001       | 24736000    | 0.000106177|
| chr21      | 24764001       | 24769000    | 3.04E-05  |
| chr21      | 24765001       | 24770000    | 0.000272639|
| chr21      | 24805001       | 24810000    | 8.99E-06  |
| chr21      | 24817001       | 24822000    | 0.003574792|
| chr21      | 24818001       | 24823000    | 0.000959254|
| chr21      | 24906001       | 24911000    | 0.000732729|
| chr21      | 24909001       | 24914000    | 1.72E-06  |
| chr21      | 24981001       | 24986000    | 4.29E-07  |
| chr21      | 24982001       | 24987000    | 7.34E-08  |
| chr21      | 24983001       | 24988000    | 3.63E-05  |
| chr21      | 25080001       | 25085000    | 2.02E-06  |
| chr21      | 25081001       | 25086000    | 4.58E-10  |
| chr21      | 25082001       | 25087000    | 6.04E-06  |
| chr21      | 25083001       | 25088000    | 4.52E-06  |
| chr21      | 25084001       | 25089000    | 2.55E-06  |
| chr21      | 25085001       | 25090000    | 1.36E-05  |
| chr21      | 25320001       | 25325000    | 1.63E-08  |
| chr21      | 25384001       | 25389000    | 0.003286767|
| chr21      | 25388001       | 25393000    | 2.01E-09  |
| chr21      | 25389001       | 25394000    | 7.27E-09  |
| chr21      | 25390001       | 25395000    | 3.71E-07  |
| chr21      | 25391001       | 25396000    | 1.56E-08  |
| chr | Start | End   | p-value        |
|-----|-------|-------|----------------|
| chr21 | 25392001 | 25397000 | 7.22E-05       |
| chr21 | 25692001 | 25697000 | 0.002226788    |
| chr21 | 25693001 | 25698000 | 2.58E-06       |
| chr21 | 25694001 | 25699000 | 8.03E-06       |
| chr21 | 25695001 | 25700000 | 1.65E-05       |
| chr21 | 25857001 | 25862000 | 3.39E-05       |
| chr21 | 25858001 | 25863000 | 0.002988824    |
| chr21 | 25961001 | 25966000 | 1.29E-07       |
| chr21 | 25962001 | 25967000 | 1.77E-08       |
| chr21 | 26058001 | 26063000 | 9.16E-07       |
| chr21 | 26215001 | 26220000 | 0.00141983     |
| chr21 | 26299001 | 26304000 | 0.000336042    |
| chr21 | 26420001 | 26425000 | 9.80E-05       |
| chr21 | 26421001 | 26426000 | 1.55E-05       |
| chr21 | 26623001 | 26628000 | 0.007236987    |
| chr21 | 27621001 | 27626000 | 1.80E-05       |
| chr21 | 27622001 | 27627000 | 9.24E-10       |
| chr21 | 27623001 | 27628000 | 2.88E-09       |
| chr21 | 27625001 | 27630000 | 8.17E-10       |
| chr21 | 27723001 | 27728000 | 0.000606411    |
| chr21 | 27724001 | 27729000 | 0.000729027    |
| chr21 | 27769001 | 27774000 | 1.39E-05       |
| chr21 | 28060001 | 28065000 | 7.98E-11       |
| chr21 | 28061001 | 28066000 | 8.68E-10       |
| chr21 | 28062001 | 28067000 | 8.02E-09       |
| chr21 | 29050001 | 29055000 | 0.006279571    |
| chr21 | 29051001 | 29056000 | 0.000959701    |
| chr21 | 29052001 | 29057000 | 0.007326836    |
| chr21 | 29053001 | 29058000 | 0.006221254    |
| chr21 | 29054001 | 29059000 | 0.007471842    |
| chr21 | 29787001 | 29792000 | 0.000114286    |
| chr21 | 31082001 | 31087000 | 0.000808432    |
| chr21 | 31823001 | 31828000 | 6.68E-05       |
| chr21 | 31965001 | 31970000 | 0.00010537     |
| chr21 | 32013001 | 32018000 | 4.04E-05       |
| chr21 | 32014001 | 32019000 | 8.41E-05       |
| chr21 | 32456001 | 32461000 | 1.07E-17       |
| chr21 | 32457001 | 32462000 | 1.75E-16       |
| chr21 | 33033001 | 33038000 | 3.89E-10       |
| chr21 | 33079001 | 33084000 | 6.56E-06       |
| chr21 | 33080001 | 33085000 | 2.72E-06       |
| chr21 | 34655001 | 34660000 | 1.77E-06       |
| chr21 | 34750001 | 34755000 | 9.50E-10       |
| chr21 | 34916001 | 34921000 | 1.02E-27       |
| chr21 | 34917001 | 34922000 | 2.28E-15       |
| chr21 | 35143001 | 35148000 | 3.67E-12       |
| chr21 | 35894001 | 35899000 | 1.86E-17       |
| chr21 | 35895001 | 35900000 | 4.50E-18       |
| Chr  | Start | End    | p_value      |
|------|-------|--------|--------------|
| chr21| 35896001 | 35901000 | 4.86E-12     |
| chr21| 35897001 | 35902000 | 1.93E-10     |
| chr21| 37612001 | 37617000 | 0.000800215  |
| chr21| 37630001 | 37635000 | 5.83E-12     |
| chr21| 37631001 | 37636000 | 1.67E-12     |
| chr21| 37632001 | 37637000 | 1.21E-08     |
| chr21| 37957001 | 37962000 | 0.000247373  |
| chr21| 38406001 | 38411000 | 2.42E-12     |
| chr21| 39313001 | 39318000 | 2.02E-10     |
| chr21| 39314001 | 39319000 | 1.82E-10     |
| chr21| 39315001 | 39320000 | 5.30E-09     |
| chr21| 39400001 | 39405000 | 1.72E-06     |
| chr21| 39527001 | 39532000 | 1.88E-06     |
| chr21| 39528001 | 39533000 | 1.89E-06     |
| chr21| 39683001 | 39688000 | 1.84E-05     |
| chr21| 40275001 | 40280000 | 2.09E-14     |
| chr21| 41279001 | 41284000 | 3.74E-10     |
| chr21| 41280001 | 41285000 | 1.24E-12     |
| chr21| 41281001 | 41286000 | 1.37E-16     |
| chr21| 41282001 | 41287000 | 4.81E-15     |
| chr21| 41283001 | 41288000 | 2.13E-10     |
| chr21| 41615001 | 41620000 | 6.66E-06     |
| chr21| 41661001 | 41666000 | 1.90E-08     |
| chr21| 41662001 | 41667000 | 1.36E-07     |
| chr21| 41663001 | 41668000 | 3.15E-11     |
| chr21| 41810001 | 41815000 | 0.000103005  |
| chr21| 42168001 | 42173000 | 1.15E-05     |
| chr21| 43480001 | 43485000 | 1.04E-06     |
| chr21| 44073001 | 44078000 | 7.69E-14     |
| chr21| 46264001 | 46269000 | 6.81E-12     |
| chr21| 46336001 | 46341000 | 1.04E-17     |
| chr21| 47333001 | 47338000 | 0.000209637  |
| chr21| 47608001 | 47613000 | 6.42E-11     |
| chr22| 16097001 | 16102000 | 6.57E-05     |
| chr22| 16156001 | 16161000 | 2.43E-06     |
| chr22| 16181001 | 16186000 | 1.18E-05     |
| chr22| 16219001 | 16224000 | 0.000380562  |
| chr22| 16220001 | 16225000 | 2.81E-09     |
| chr22| 16221001 | 16226000 | 3.70E-10     |
| chr22| 16222001 | 16227000 | 3.35E-09     |
| chr22| 16641001 | 16646000 | 0.001373204  |
| chr22| 17199001 | 17204000 | 1.16E-11     |
| chr22| 17201001 | 17206000 | 1.48E-05     |
| chr22| 17202001 | 17207000 | 3.85E-05     |
| chr22| 17529001 | 17534000 | 0.005530629  |
| chr22| 17540001 | 17545000 | 5.51E-19     |
| chr22| 17541001 | 17546000 | 9.33E-18     |
| chr22| 17542001 | 17547000 | 2.01E-17     |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr22      | 17543001       | 17548000     | 2.46E-13|
| chr22      | 17544001       | 17549000     | 1.36E-12|
| chr22      | 17545001       | 17550000     | 4.96E-08|
| chr22      | 17604001       | 17609000     | 2.05E-07|
| chr22      | 17606001       | 17611000     | 1.74E-06|
| chr22      | 17757001       | 17762000     | 1.05E-08|
| chr22      | 17954001       | 17959000     | 1.52E-11|
| chr22      | 17978001       | 17983000     | 4.87E-10|
| chr22      | 18040001       | 18045000     | 3.48E-09|
| chr22      | 18744001       | 18749000     | 9.39E-11|
| chr22      | 18745001       | 18750000     | 7.43E-11|
| chr22      | 18746001       | 18751000     | 7.47E-13|
| chr22      | 18804001       | 18809000     | 6.34E-06|
| chr22      | 18856001       | 18861000     | 6.63E-08|
| chr22      | 18857001       | 18862000     | 2.49E-06|
| chr22      | 18973001       | 18978000     | 4.77E-22|
| chr22      | 18976001       | 18981000     | 4.87E-22|
| chr22      | 18977001       | 18982000     | 4.30E-33|
| chr22      | 18986001       | 18991000     | 2.19E-12|
| chr22      | 19002001       | 19007000     | 0.000127668|
| chr22      | 19003001       | 19008000     | 4.06E-12|
| chr22      | 19004001       | 19009000     | 6.33E-14|
| chr22      | 19005001       | 19010000     | 3.17E-14|
| chr22      | 19006001       | 19011000     | 1.10E-19|
| chr22      | 19007001       | 19012000     | 2.72E-12|
| chr22      | 20125001       | 20130000     | 7.58E-14|
| chr22      | 20313001       | 20318000     | 4.50E-05|
| chr22      | 20657001       | 20662000     | 1.11E-05|
| chr22      | 20941001       | 20946000     | 8.33E-08|
| chr22      | 20942001       | 20947000     | 5.18E-13|
| chr22      | 20943001       | 20948000     | 1.35E-15|
| chr22      | 20944001       | 20949000     | 2.42E-15|
| chr22      | 21048001       | 21053000     | 1.23E-10|
| chr22      | 21273001       | 21278000     | 1.36E-23|
| chr22      | 21274001       | 21279000     | 4.82E-15|
| chr22      | 21408001       | 21413000     | 4.40E-09|
| chr22      | 21411001       | 21416000     | 5.91E-08|
| chr22      | 21449001       | 21454000     | 5.99E-09|
| chr22      | 21450001       | 21455000     | 3.23E-07|
| chr22      | 21451001       | 21456000     | 8.26E-10|
| chr22      | 21630001       | 21635000     | 1.10E-09|
| chr22      | 21799001       | 21804000     | 6.28E-17|
| chr22      | 22054001       | 22059000     | 3.29E-31|
| chr22      | 22055001       | 22060000     | 1.92E-30|
| chr22      | 22064001       | 22069000     | 1.22E-23|
| chr22      | 22280001       | 22285000     | 1.34E-11|
| chr22      | 22491001       | 22496000     | 0.00646178|
| chr22      | 23106001       | 23111000     | 1.99E-09|
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr22      | 23667001       | 23672000     | 7.00E-08 |
| chr22      | 23717001       | 23722000     | 3.16E-08 |
| chr22      | 23728001       | 23733000     | 6.51E-07 |
| chr22      | 23729001       | 23734000     | 3.45E-07 |
| chr22      | 23893001       | 23898000     | 8.67E-08 |
| chr22      | 23899001       | 23904000     | 6.14E-15 |
| chr22      | 23900001       | 23905000     | 5.26E-12 |
| chr22      | 23901001       | 23906000     | 9.70E-13 |
| chr22      | 23902001       | 23907000     | 4.39E-16 |
| chr22      | 23934001       | 23939000     | 1.55E-11 |
| chr22      | 23945001       | 23950000     | 4.93E-12 |
| chr22      | 23946001       | 23951000     | 2.48E-12 |
| chr22      | 23947001       | 23952000     | 4.51E-13 |
| chr22      | 23948001       | 23953000     | 2.81E-12 |
| chr22      | 24122001       | 24127000     | 2.68E-16 |
| chr22      | 24123001       | 24128000     | 2.55E-16 |
| chr22      | 24368001       | 24373000     | 1.71E-12 |
| chr22      | 24643001       | 24648000     | 0.001051868 |
| chr22      | 24952001       | 24957000     | 6.76E-17 |
| chr22      | 24978001       | 24983000     | 4.32E-15 |
| chr22      | 24979001       | 24984000     | 6.83E-16 |
| chr22      | 25019001       | 25024000     | 2.67E-05 |
| chr22      | 25338001       | 25343000     | 8.80E-15 |
| chr22      | 25509001       | 25514000     | 1.67E-11 |
| chr22      | 26058001       | 26063000     | 2.92E-15 |
| chr22      | 26059001       | 26064000     | 4.46E-13 |
| chr22      | 26060001       | 26065000     | 3.39E-12 |
| chr22      | 26651001       | 26656000     | 5.73E-12 |
| chr22      | 26652001       | 26657000     | 2.16E-07 |
| chr22      | 26944001       | 26949000     | 0.000419576 |
| chr22      | 27553001       | 27558000     | 1.40E-13 |
| chr22      | 27554001       | 27559000     | 7.58E-12 |
| chr22      | 27555001       | 27560000     | 7.07E-08 |
| chr22      | 27586001       | 27591000     | 2.32E-09 |
| chr22      | 28324001       | 28329000     | 2.10E-07 |
| chr22      | 28325001       | 28330000     | 1.89E-10 |
| chr22      | 28326001       | 28331000     | 4.28E-06 |
| chr22      | 29211001       | 29216000     | 8.47E-07 |
| chr22      | 29369001       | 29374000     | 8.54E-22 |
| chr22      | 29370001       | 29375000     | 5.70E-34 |
| chr22      | 29371001       | 29376000     | 4.85E-32 |
| chr22      | 29706001       | 29711000     | 4.69E-10 |
| chr22      | 30098001       | 30103000     | 4.95E-15 |
| chr22      | 30121001       | 30126000     | 3.63E-18 |
| chr22      | 30122001       | 30127000     | 3.21E-13 |
| chr22      | 30255001       | 30260000     | 1.10E-14 |
| chr22      | 30766001       | 30771000     | 5.38E-05 |
| chr22      | 31643001       | 31648000     | 5.82E-05 |
| Chr  | Start  | End    | P-value  |
|------|--------|--------|----------|
| chr22| 31644001 | 31649000 | 2.82E-05 |
| chr22| 31645001 | 31650000 | 1.79E-06 |
| chr22| 32021001 | 32026000 | 1.70E-10 |
| chr22| 32458001 | 32463000 | 5.94E-08 |
| chr22| 32475001 | 32480000 | 7.20E-12 |
| chr22| 32643001 | 32648000 | 5.93E-08 |
| chr22| 32644001 | 32649000 | 5.50E-08 |
| chr22| 32645001 | 32650000 | 5.21E-09 |
| chr22| 32651001 | 32656000 | 5.12E-07 |
| chr22| 34513001 | 34518000 | 2.20E-05 |
| chr22| 34514001 | 34519000 | 0.000453319 |
| chr22| 34814001 | 34819000 | 1.64E-05 |
| chr22| 35247001 | 35252000 | 5.04E-06 |
| chr22| 35309001 | 35314000 | 4.72E-13 |
| chr22| 35387001 | 35392000 | 1.22E-07 |
| chr22| 35428001 | 35433000 | 1.60E-15 |
| chr22| 35429001 | 35434000 | 8.15E-15 |
| chr22| 35480001 | 35485000 | 1.71E-08 |
| chr22| 35481001 | 35486000 | 1.47E-08 |
| chr22| 35482001 | 35487000 | 1.73E-08 |
| chr22| 35607001 | 35612000 | 1.03E-09 |
| chr22| 35611001 | 35616000 | 3.32E-07 |
| chr22| 35988001 | 35993000 | 6.72E-08 |
| chr22| 36728001 | 36733000 | 2.48E-15 |
| chr22| 36768001 | 36773000 | 5.77E-11 |
| chr22| 36953001 | 36958000 | 3.45E-09 |
| chr22| 36954001 | 36959000 | 1.45E-13 |
| chr22| 36955001 | 36960000 | 3.67E-16 |
| chr22| 37105001 | 37110000 | 9.37E-07 |
| chr22| 37417001 | 37422000 | 1.46E-16 |
| chr22| 37418001 | 37423000 | 6.49E-15 |
| chr22| 37441001 | 37446000 | 1.26E-07 |
| chr22| 37577001 | 37582000 | 2.58E-07 |
| chr22| 37578001 | 37583000 | 8.02E-07 |
| chr22| 37759001 | 37764000 | 6.05E-11 |
| chr22| 37763001 | 37768000 | 1.01E-08 |
| chr22| 37764001 | 37769000 | 3.74E-10 |
| chr22| 37765001 | 37770000 | 4.30E-11 |
| chr22| 37766001 | 37771000 | 2.61E-27 |
| chr22| 37767001 | 37772000 | 6.89E-35 |
| chr22| 37768001 | 37773000 | 4.20E-34 |
| chr22| 37769001 | 37774000 | 1.80E-31 |
| chr22| 37770001 | 37775000 | 3.17E-29 |
| chr22| 37771001 | 37776000 | 3.95E-10 |
| chr22| 37798001 | 37803000 | 6.09E-14 |
| chr22| 37799001 | 37804000 | 5.75E-16 |
| chr22| 37800001 | 37805000 | 3.54E-14 |
| chr22| 37801001 | 37806000 | 1.38E-11 |
| Chr | Start | End   | P-value  |
|-----|-------|-------|----------|
| chr22 | 37802001 | 37807000 | 1.49E-11 |
| chr22 | 37855001 | 37860000 | 2.77E-12 |
| chr22 | 37959001 | 37964000 | 2.21E-08 |
| chr22 | 37960001 | 37965000 | 3.19E-08 |
| chr22 | 38134001 | 38139000 | 1.74E-10 |
| chr22 | 38135001 | 38140000 | 5.44E-11 |
| chr22 | 38179001 | 38184000 | 3.25E-14 |
| chr22 | 38288001 | 38293000 | 1.37E-12 |
| chr22 | 38289001 | 38294000 | 2.58E-11 |
| chr22 | 38290001 | 38295000 | 3.45E-12 |
| chr22 | 38433001 | 38438000 | 9.18E-15 |
| chr22 | 38434001 | 38439000 | 2.56E-12 |
| chr22 | 38796001 | 38801000 | 1.14E-32 |
| chr22 | 38830001 | 38835000 | 2.32E-11 |
| chr22 | 39256001 | 39261000 | 2.19E-10 |
| chr22 | 39290001 | 39295000 | 1.62E-05 |
| chr22 | 39293001 | 39298000 | 3.18E-11 |
| chr22 | 39294001 | 39299000 | 9.92E-09 |
| chr22 | 39295001 | 39300000 | 2.26E-07 |
| chr22 | 39296001 | 39301000 | 1.45E-07 |
| chr22 | 39316001 | 39321000 | 7.38E-18 |
| chr22 | 39318001 | 39323000 | 3.96E-18 |
| chr22 | 39360001 | 39365000 | 3.32E-14 |
| chr22 | 39381001 | 39386000 | 0.000166123 |
| chr22 | 39528001 | 39533000 | 5.96E-16 |
| chr22 | 39529001 | 39534000 | 1.64E-16 |
| chr22 | 39710001 | 39715000 | 7.18E-09 |
| chr22 | 39882001 | 39887000 | 3.32E-14 |
| chr22 | 39883001 | 39888000 | 9.83E-16 |
| chr22 | 39942001 | 39947000 | 1.98E-11 |
| chr22 | 39943001 | 39948000 | 1.97E-09 |
| chr22 | 39944001 | 39949000 | 6.03E-07 |
| chr22 | 39945001 | 39950000 | 1.83E-08 |
| chr22 | 39946001 | 39951000 | 1.83E-07 |
| chr22 | 39954001 | 39959000 | 3.83E-07 |
| chr22 | 39967001 | 39972000 | 5.62E-12 |
| chr22 | 39977001 | 39982000 | 1.42E-06 |
| chr22 | 39980001 | 39985000 | 2.74E-13 |
| chr22 | 39983001 | 39988000 | 2.52E-25 |
| chr22 | 39995001 | 40000000 | 2.42E-10 |
| chr22 | 40047001 | 40052000 | 4.41E-08 |
| chr22 | 40570001 | 40575000 | 2.80E-12 |
| chr22 | 41767001 | 41772000 | 8.67E-08 |
| chr22 | 42332001 | 42337000 | 1.61E-13 |
| chr22 | 42333001 | 42338000 | 8.20E-10 |
| chr22 | 42858001 | 42863000 | 2.32E-13 |
| chr22 | 43053001 | 43058000 | 6.56E-09 |
| chr22 | 43144001 | 43149000 | 5.56E-09 |
| Chromosome | Start | End   | p-value    |
|------------|-------|-------|------------|
| chr22      | 43145001 | 43150000 | 5.15E-09  |
| chr22      | 43480001 | 43485000 | 1.96E-17  |
| chr22      | 43550001 | 43555000 | 3.44E-16  |
| chr22      | 43551001 | 43556000 | 1.08E-11  |
| chr22      | 43552001 | 43557000 | 8.12E-14  |
| chr22      | 43553001 | 43558000 | 1.89E-10  |
| chr22      | 43605001 | 43610000 | 2.99E-06  |
| chr22      | 43749001 | 43754000 | 5.19E-09  |
| chr22      | 43844001 | 43849000 | 4.29E-08  |
| chr22      | 43905001 | 43910000 | 9.55E-05  |
| chr22      | 43906001 | 43911000 | 2.35E-05  |
| chr22      | 43907001 | 43912000 | 4.74E-05  |
| chr22      | 43955001 | 43960000 | 3.57E-10  |
| chr22      | 44291001 | 44296000 | 7.09E-10  |
| chr22      | 44587001 | 44592000 | 1.53E-08  |
| chr22      | 44588001 | 44593000 | 4.21E-09  |
| chr22      | 44718001 | 44723000 | 1.10E-20  |
| chr22      | 44720001 | 44725000 | 1.43E-20  |
| chr22      | 44733001 | 44738000 | 6.15E-10  |
| chr22      | 45142001 | 45147000 | 9.94E-17  |
| chr22      | 45144001 | 45149000 | 3.68E-12  |
| chr22      | 45273001 | 45278000 | 3.52E-15  |
| chr22      | 45274001 | 45279000 | 3.76E-15  |
| chr22      | 45445001 | 45450000 | 0.000139696|
| chr22      | 45591001 | 45596000 | 1.12E-13  |
| chr22      | 45592001 | 45597000 | 8.79E-14  |
| chr22      | 45593001 | 45598000 | 1.02E-19  |
| chr22      | 45640001 | 45645000 | 4.68E-08  |
| chr22      | 45641001 | 45646000 | 6.96E-14  |
| chr22      | 45863001 | 45868000 | 1.19E-08  |
| chr22      | 45927001 | 45932000 | 3.37E-07  |
| chr22      | 45928001 | 45933000 | 2.28E-08  |
| chr22      | 45943001 | 45948000 | 1.59E-12  |
| chr22      | 45945001 | 45950000 | 8.37E-14  |
| chr22      | 45996001 | 46001000 | 2.06E-11  |
| chr22      | 45997001 | 46002000 | 5.66E-14  |
| chr22      | 45998001 | 46003000 | 7.59E-15  |
| chr22      | 46512001 | 46517000 | 6.44E-07  |
| chr22      | 46925001 | 46930000 | 5.28E-17  |
| chr22      | 47055001 | 47060000 | 1.62E-07  |
| chr22      | 47056001 | 47061000 | 1.25E-08  |
| chr22      | 47057001 | 47062000 | 6.51E-07  |
| chr22      | 48122001 | 48127000 | 0.00447563|
| chr22      | 48923001 | 48928000 | 1.31E-06  |
| chr22      | 49072001 | 49077000 | 3.66E-09  |
| chr22      | 49389001 | 49394000 | 1.03E-09  |
| chr22      | 49390001 | 49395000 | 2.42E-11  |
| chr22      | 50336001 | 50341000 | 6.64E-12  |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|-------------|---------|
| chr22      | 50519001       | 50524000    | 8.97E-14|
| chr22      | 50947001       | 50952000    | 1.07E-16|
| chr22      | 50976001       | 50982000    | 9.02E-26|
| chr22      | 50977001       | 50982000    | 4.45E-30|
| chrX       | 3854001        | 3859000     | 7.19E-10|
| chrX       | 3855001        | 3860000     | 1.09E-08|
| chrX       | 3856001        | 3861000     | 4.87E-08|
| chrX       | 4012001        | 4017000     | 0.004420774|
| chrX       | 4013001        | 4018000     | 0.004214802|
| chrX       | 4014001        | 4019000     | 0.000787704|
| chrX       | 4041001        | 4046000     | 0.000428194|
| chrX       | 4043001        | 4048000     | 0.000211424|
| chrX       | 4044001        | 4049000     | 3.33E-05|
| chrX       | 4137001        | 4142000     | 1.99E-07|
| chrX       | 4138001        | 4143000     | 1.73E-06|
| chrX       | 4199001        | 4204000     | 0.000482456|
| chrX       | 4200001        | 4205000     | 0.000154866|
| chrX       | 4201001        | 4206000     | 0.000204638|
| chrX       | 4202001        | 4207000     | 6.96E-07|
| chrX       | 4203001        | 4208000     | 1.67E-06|
| chrX       | 4204001        | 4209000     | 4.84E-06|
| chrX       | 4205001        | 4210000     | 6.77E-05|
| chrX       | 4206001        | 4211000     | 0.000292186|
| chrX       | 4298001        | 4303000     | 0.000557023|
| chrX       | 4299001        | 4304000     | 0.001827603|
| chrX       | 4505001        | 4510000     | 8.26E-05|
| chrX       | 4560001        | 4565000     | 0.000239959|
| chrX       | 4573001        | 4578000     | 0.000791951|
| chrX       | 4637001        | 4642000     | 6.28E-05|
| chrX       | 4719001        | 4724000     | 0.000359758|
| chrX       | 4721001        | 4726000     | 0.002011109|
| chrX       | 4780001        | 4785000     | 4.88E-05|
| chrX       | 4903001        | 4908000     | 5.33E-06|
| chrX       | 4977001        | 4982000     | 4.15E-06|
| chrX       | 5156001        | 5161000     | 0.001308295|
| chrX       | 5157001        | 5162000     | 0.000295212|
| chrX       | 5159001        | 5164000     | 0.000659427|
| chrX       | 5160001        | 5165000     | 0.000336991|
| chrX       | 5357001        | 5362000     | 0.000361326|
| chrX       | 6000001        | 6005000     | 1.61E-06|
| chrX       | 6001001        | 6006000     | 0.000144253|
| chrX       | 7295001        | 7300000     | 0.0003438665|
| chrX       | 7297001        | 7302000     | 8.96E-05|
| chrX       | 7298001        | 7303000     | 0.000162914|
| chrX       | 7324001        | 7329000     | 1.79E-05|
| chrX       | 7325001        | 7330000     | 0.000106208|
| chrX       | 7379001        | 7384000     | 4.03E-07|
| chrX       | 7454001        | 7459000     | 0.003416857|
chrX  7567001  7572000  0.001377942
chrX  8038001  8043000  0.000620102
chrX  8394001  8399000  1.76E-05
chrX  8396001  8401000  0.000467633
chrX  8557001  8562000  0.000331694
chrX  8558001  8563000  0.000318612
chrX  8559001  8564000  6.77E-05
chrX  8800001  8805000  3.08E-05
chrX  8851001  8856000  0.004440817
chrX  8852001  8857000  0.001315461
chrX  8853001  8858000  0.001315461
chrX  9053001  9058000  7.38E-05
chrX  9054001  9059000  4.99E-07
chrX  9963001  9968000  4.55E-14
chrX  9964001  9969000  5.97E-12
chrX  10336001 10341000  0.000953947
chrX  10580001 10585000  0.001618504
chrX  10581001 10586000  0.000475767
chrX  10870001 10875000  2.30E-05
chrX  10871001 10876000  1.04E-05
chrX  11667001 11672000  0.000513698
chrX  11888001 11893000  6.02E-06
chrX  11912001 11917000  1.73E-07
chrX  11913001 11918000  6.24E-07
chrX  11914001 11919000  5.73E-07
chrX  11915001 11920000  0.00031955
chrX  11916001 11921000  0.00017408
chrX  11917001 11922000  0.000140724
chrX  11965001 11970000  0.000807243
chrX  11966001 11971000  0.000992578
chrX  12147001 12152000  7.08E-07
chrX  12236001 12241000  7.91E-05
chrX  12246001 12251000  1.08E-05
chrX  12247001 12252000  1.66E-06
chrX  12248001 12253000  4.53E-07
chrX  12249001 12254000  0.001537468
chrX  12250001 12255000  0.000432917
chrX  12251001 12256000  0.001294999
chrX  12270001 12275000  0.000222588
chrX  12271001 12276000  0.000353569
chrX  12341001 12346000  0.000477521
chrX  12342001 12347000  0.001854397
chrX  12343001 12348000  0.001330438
chrX  12345001 12350000  0.00432917
chrX  12415001 12420000  0.00087838
chrX  12416001 12421000  0.000287965
chrX  12519001 12524000  5.29E-05
chrX  12520001 12525000  0.00038364
| Chromosome | Start Base | End Base | p-value |
|------------|------------|----------|---------|
| chrX       | 12521001   | 12526000 | 0.002116449 |
| chrX       | 12522001   | 12527000 | 0.002200184 |
| chrX       | 12661001   | 12666000 | 0.001123385 |
| chrX       | 12995001   | 13000000 | 9.69E-11 |
| chrX       | 12996001   | 13001000 | 7.58E-08 |
| chrX       | 13140001   | 13145000 | 1.36E-12 |
| chrX       | 13142001   | 13147000 | 6.87E-12 |
| chrX       | 13721001   | 13726000 | 0.000734839 |
| chrX       | 14128001   | 14133000 | 3.21E-10 |
| chrX       | 14440001   | 14445000 | 7.26E-09 |
| chrX       | 14471001   | 14476000 | 0.008286783 |
| chrX       | 14766001   | 14771000 | 0.000539449 |
| chrX       | 15140001   | 15145000 | 0.015982201 |
| chrX       | 15141001   | 15146000 | 0.02308026 |
| chrX       | 15142001   | 15147000 | 0.023039408 |
| chrX       | 15143001   | 15148000 | 0.026523328 |
| chrX       | 15158001   | 15163000 | 3.37E-05 |
| chrX       | 15159001   | 15164000 | 2.00E-05 |
| chrX       | 15160001   | 15165000 | 8.34E-07 |
| chrX       | 15161001   | 15166000 | 5.02E-05 |
| chrX       | 15260001   | 15265000 | 2.55E-06 |
| chrX       | 15261001   | 15266000 | 4.26E-07 |
| chrX       | 15431001   | 15436000 | 9.41E-05 |
| chrX       | 16134001   | 16139000 | 0.001091493 |
| chrX       | 16789001   | 16794000 | 1.41E-11 |
| chrX       | 17054001   | 17059000 | 5.82E-07 |
| chrX       | 17055001   | 17060000 | 1.16E-07 |
| chrX       | 17056001   | 17061000 | 9.22E-07 |
| chrX       | 17278001   | 17283000 | 0.000218824 |
| chrX       | 17279001   | 17284000 | 0.001302072 |
| chrX       | 17280001   | 17285000 | 0.000431986 |
| chrX       | 17302001   | 17307000 | 1.54E-06 |
| chrX       | 17308001   | 17313000 | 0.000234795 |
| chrX       | 17309001   | 17314000 | 1.76E-05 |
| chrX       | 17510001   | 17515000 | 3.00E-05 |
| chrX       | 17511001   | 17516000 | 6.73E-06 |
| chrX       | 17574001   | 17579000 | 8.71E-06 |
| chrX       | 17575001   | 17580000 | 1.75E-09 |
| chrX       | 17749001   | 17754000 | 8.25E-08 |
| chrX       | 17750001   | 17755000 | 1.25E-09 |
| chrX       | 17847001   | 17852000 | 0.00665312 |
| chrX       | 17848001   | 17853000 | 2.63E-06 |
| chrX       | 17849001   | 17854000 | 8.70E-07 |
| chrX       | 17962001   | 17967000 | 2.54E-05 |
| chrX       | 18408001   | 18413000 | 4.34E-07 |
| chrX       | 18409001   | 18414000 | 7.32E-09 |
| chrX       | 20509001   | 20514000 | 0.001101187 |
| chrX | 20735001 | 20740000 | 4.98E-05 |
|------|----------|----------|----------|
| chrX | 21046001 | 21051000 | 0.001436439 |
| chrX | 21047001 | 21052000 | 0.000301778 |
| chrX | 21048001 | 21053000 | 0.001308308 |
| chrX | 21049001 | 21054000 | 0.005983587 |
| chrX | 21943001 | 21948000 | 1.25E-10 |
| chrX | 21944001 | 21949000 | 2.77E-13 |
| chrX | 21945001 | 21950000 | 9.54E-12 |
| chrX | 22344001 | 22349000 | 4.47E-07 |
| chrX | 22345001 | 22350000 | 4.89E-07 |
| chrX | 22346001 | 22351000 | 2.69E-07 |
| chrX | 22347001 | 22352000 | 0.000106398 |
| chrX | 22366001 | 22371000 | 1.61E-05 |
| chrX | 22367001 | 22372000 | 1.01E-05 |
| chrX | 22499001 | 22504000 | 0.001717993 |
| chrX | 22532001 | 22537000 | 3.31E-05 |
| chrX | 22924001 | 22929000 | 1.90E-05 |
| chrX | 23771001 | 23776000 | 0.000234506 |
| chrX | 23813001 | 23818000 | 1.48E-06 |
| chrX | 23814001 | 23819000 | 1.49E-05 |
| chrX | 24178001 | 24183000 | 1.72E-06 |
| chrX | 24179001 | 24184000 | 7.96E-08 |
| chrX | 24180001 | 24185000 | 1.44E-07 |
| chrX | 24181001 | 24186000 | 2.83E-07 |
| chrX | 24591001 | 24596000 | 0.000244702 |
| chrX | 24651001 | 24656000 | 9.45E-08 |
| chrX | 25047001 | 25052000 | 1.74E-10 |
| chrX | 25254001 | 25259000 | 1.01E-10 |
| chrX | 25271001 | 25276000 | 0.005889342 |
| chrX | 25397001 | 25402000 | 0.005293598 |
| chrX | 25463001 | 25468000 | 2.86E-05 |
| chrX | 25521001 | 25526000 | 0.003908459 |
| chrX | 25576001 | 25581000 | 4.08E-05 |
| chrX | 25755001 | 25760000 | 7.95E-05 |
| chrX | 25756001 | 25761000 | 4.10E-05 |
| chrX | 25824001 | 25829000 | 2.28E-07 |
| chrX | 25826001 | 25831000 | 0.001722568 |
| chrX | 26388001 | 26393000 | 5.46E-07 |
| chrX | 26571001 | 26576000 | 3.64E-20 |
| chrX | 26592001 | 26597000 | 7.71E-08 |
| chrX | 27110001 | 27115000 | 3.51E-05 |
| chrX | 27111001 | 27116000 | 2.86E-08 |
| chrX | 27112001 | 27117000 | 0.000673546 |
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|---------------|
| chrX       | 27206001 | 27211000 | 0.000612974   |
| chrX       | 27409001 | 27414000 | 4.56E-07      |
| chrX       | 27411001 | 27416000 | 5.75E-07      |
| chrX       | 27412001 | 27417000 | 5.54E-07      |
| chrX       | 27464001 | 27469000 | 0.001039679   |
| chrX       | 27466001 | 27471000 | 0.003976719   |
| chrX       | 27470001 | 27475000 | 2.00E-05      |
| chrX       | 27477001 | 27482000 | 1.08E-09      |
| chrX       | 27573001 | 27578000 | 0.002460455   |
| chrX       | 27588001 | 27593000 | 2.32E-05      |
| chrX       | 27590001 | 27595000 | 1.22E-08      |
| chrX       | 27591001 | 27596000 | 8.97E-10      |
| chrX       | 27592001 | 27597000 | 2.03E-08      |
| chrX       | 27593001 | 27598000 | 2.70E-06      |
| chrX       | 27634001 | 27639000 | 0.014140185   |
| chrX       | 27649001 | 27654000 | 0.002986815   |
| chrX       | 27654001 | 27659000 | 0.000522402   |
| chrX       | 27705001 | 27710000 | 1.81E-05      |
| chrX       | 27843001 | 27848000 | 8.81E-08      |
| chrX       | 28275001 | 28280000 | 2.60E-05      |
| chrX       | 28870001 | 28875000 | 0.001125004   |
| chrX       | 29248001 | 29253000 | 8.60E-06      |
| chrX       | 29249001 | 29254000 | 3.44E-06      |
| chrX       | 29319001 | 29324000 | 0.000109621   |
| chrX       | 29364001 | 29369000 | 0.012088463   |
| chrX       | 29419001 | 29424000 | 3.32E-08      |
| chrX       | 29420001 | 29425000 | 2.22E-08      |
| chrX       | 29439001 | 29444000 | 0.012452952   |
| chrX       | 29576001 | 29581000 | 0.026765961   |
| chrX       | 29577001 | 29582000 | 0.001746301   |
| chrX       | 29578001 | 29583000 | 0.000262493   |
| chrX       | 29709001 | 29714000 | 0.002169176   |
| chrX       | 29846001 | 29851000 | 0.003045449   |
| chrX       | 29955001 | 29960000 | 0.001835651   |
| chrX       | 30055001 | 30060000 | 0.00027097    |
| chrX       | 30073001 | 30078000 | 3.78E-05      |
| chrX       | 30074001 | 30079000 | 0.000172146   |
| chrX       | 30388001 | 30393000 | 0.000890815   |
| chrX       | 30753001 | 30758000 | 1.14E-07      |
| chrX       | 30754001 | 30759000 | 4.14E-06      |
| chrX       | 30987001 | 30992000 | 7.15E-06      |
| chrX       | 31294001 | 31299000 | 1.17E-05      |
| chrX       | 31329001 | 31334000 | 2.56E-05      |
| chrX       | 31453001 | 31458000 | 3.00E-09      |
| chrX       | 31465001 | 31470000 | 0.000194404   |
| chrX       | 31615001 | 31620000 | 1.15E-05      |
| Chromosome | Start Position | End Position | Score |
|------------|----------------|--------------|-------|
| chrX       | 31617001       | 31622000     | 1.01E-06 |
| chrX       | 32285001       | 32290000     | 9.20E-07 |
| chrX       | 32286001       | 32291000     | 1.66E-07 |
| chrX       | 32287001       | 32292000     | 4.72E-08 |
| chrX       | 33087001       | 33092000     | 2.11E-06 |
| chrX       | 33458001       | 33463000     | 0.00707991 |
| chrX       | 33962001       | 33967000     | 3.00E-05 |
| chrX       | 33963001       | 33968000     | 0.00094733 |
| chrX       | 33964001       | 33969000     | 0.003357704 |
| chrX       | 33970001       | 33975000     | 0.000117053 |
| chrX       | 33971001       | 33976000     | 0.001095059 |
| chrX       | 34628001       | 34633000     | 0.000585258 |
| chrX       | 34645001       | 34650000     | 0.00016074 |
| chrX       | 34646001       | 34651000     | 0.000472176 |
| chrX       | 34888001       | 34893000     | 0.000182065 |
| chrX       | 34889001       | 34894000     | 0.000199597 |
| chrX       | 34985001       | 34990000     | 0.000812007 |
| chrX       | 34988001       | 34993000     | 0.001649419 |
| chrX       | 34989001       | 34994000     | 0.001341191 |
| chrX       | 35343001       | 35348000     | 0.008952752 |
| chrX       | 36893001       | 36898000     | 0.001375374 |
| chrX       | 37188001       | 37193000     | 3.01E-05 |
| chrX       | 37189001       | 37194000     | 2.90E-05 |
| chrX       | 37190001       | 37195000     | 2.57E-06 |
| chrX       | 37191001       | 37196000     | 2.78E-05 |
| chrX       | 37596001       | 37601000     | 2.69E-05 |
| chrX       | 37837001       | 37842000     | 0.001197205 |
| chrX       | 37838001       | 37843000     | 0.00075539 |
| chrX       | 37839001       | 37844000     | 0.000293903 |
| chrX       | 37991001       | 37996000     | 3.31E-06 |
| chrX       | 38285001       | 38290000     | 0.000661902 |
| chrX       | 39047001       | 39052000     | 0.002671534 |
| chrX       | 39048001       | 39053000     | 0.000538325 |
| chrX       | 39433001       | 39438000     | 5.83E-11 |
| chrX       | 39434001       | 39439000     | 1.44E-09 |
| chrX       | 39940001       | 39945000     | 9.17E-19 |
| chrX       | 39941001       | 39946000     | 1.01E-16 |
| chrX       | 40148001       | 40153000     | 0.000262355 |
| chrX       | 40737001       | 40742000     | 7.22E-08 |
| chrX       | 40779001       | 40784000     | 0.000858386 |
| chrX       | 40780001       | 40785000     | 0.00145914 |
| chrX       | 40789001       | 40794000     | 3.77E-10 |
| chrX       | 41149001       | 41154000     | 2.74E-06 |
| chrX       | 41150001       | 41155000     | 5.13E-05 |
| chrX       | 41151001       | 41156000     | 3.39E-10 |
| chrX       | 41195001       | 41200000     | 6.71E-07 |
| chrX       | 41680001       | 41685000     | 0.000713168 |
| chrX       | 41681001       | 41686000     | 0.000689126 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chrX       | 41682001       | 41687000     | 0.001104714 |
| chrX       | 41683001       | 41688000     | 1.92E-05   |
| chrX       | 41829001       | 41834000     | 0.002484272 |
| chrX       | 41851001       | 41856000     | 0.002719066 |
| chrX       | 41852001       | 41857000     | 0.003978538 |
| chrX       | 42503001       | 42508000     | 0.001144663 |
| chrX       | 42788001       | 42793000     | 1.99E-05   |
| chrX       | 43077001       | 43082000     | 0.00134677 |
| chrX       | 43592001       | 43597000     | 1.99E-05   |
| chrX       | 44070001       | 44075000     | 1.35E-07   |
| chrX       | 44302001       | 44307000     | 0.00134677 |
| chrX       | 45036001       | 45041000     | 0.002151371 |
| chrX       | 45053001       | 45058000     | 2.20E-05   |
| chrX       | 45154001       | 45159000     | 0.001322786 |
| chrX       | 45458001       | 45463000     | 7.37E-05   |
| chrX       | 45731001       | 45736000     | 7.93E-14   |
| chrX       | 45732001       | 45737000     | 4.33E-11   |
| chrX       | 45733001       | 45738000     | 5.11E-14   |
| chrX       | 45776001       | 45781000     | 0.002387214 |
| chrX       | 45785001       | 45790000     | 1.03E-06   |
| chrX       | 45800001       | 45805000     | 1.19E-05   |
| chrX       | 45802001       | 45807000     | 3.47E-06   |
| chrX       | 45805001       | 45810000     | 5.43E-05   |
| chrX       | 45806001       | 45811000     | 2.28E-05   |
| chrX       | 45807001       | 45812000     | 0.000912589 |
| chrX       | 45808001       | 45813000     | 0.000754138 |
| chrX       | 45809001       | 45814000     | 0.000268862 |
| chrX       | 45821001       | 45826000     | 1.39E-08   |
| chrX       | 45822001       | 45827000     | 2.09E-07   |
| chrX       | 45823001       | 45828000     | 3.52E-10   |
| chrX       | 45824001       | 45829000     | 9.10E-07   |
| chrX       | 45828001       | 45833000     | 5.67E-10   |
| chrX       | 45829001       | 45834000     | 1.81E-13   |
| chrX       | 45830001       | 45835000     | 3.93E-14   |
| chrX       | 45831001       | 45836000     | 6.15E-14   |
| chrX       | 45832001       | 45837000     | 2.67E-13   |
| chrX       | 45833001       | 45838000     | 1.88E-05   |
| chrX       | 45837001       | 45842000     | 0.000588605 |
| chrX       | 45841001       | 45846000     | 1.36E-15   |
| chrX       | 45843001       | 45848000     | 4.26E-19   |
| chrX       | 45873001       | 45878000     | 0.000221763 |
| chrX       | 45874001       | 45879000     | 1.83E-10   |
| chrX       | 45875001       | 45880000     | 4.27E-10   |
| chrX       | 45876001       | 45881000     | 7.87E-11   |
| chrX       | 45877001       | 45882000     | 4.66E-08   |
| chrX       | 45878001       | 45883000     | 3.97E-07   |
| chrX       | 45885001       | 45890000     | 0.000501005 |
| chrX       | 45888001       | 45893000     | 4.37E-07   |
| Chromosome | Start | End | p-Value |
|------------|-------|-----|---------|
| chrX       | 45889001 | 45894000 | 2.64E-06 |
| chrX       | 45897001 | 45902000 | 0.00149187 |
| chrX       | 45898001 | 45903000 | 5.29E-05 |
| chrX       | 45899001 | 45904000 | 5.29E-05 |
| chrX       | 45900001 | 45905000 | 0.001065382 |
| chrX       | 45908001 | 45913000 | 6.40E-05 |
| chrX       | 45909001 | 45914000 | 7.17E-07 |
| chrX       | 45910001 | 45915000 | 1.09E-10 |
| chrX       | 45911001 | 45916000 | 6.56E-09 |
| chrX       | 45912001 | 45917000 | 3.13E-11 |
| chrX       | 45913001 | 45918000 | 2.70E-15 |
| chrX       | 45914001 | 45919000 | 8.96E-16 |
| chrX       | 45915001 | 45920000 | 2.30E-11 |
| chrX       | 45935001 | 45940000 | 1.18E-17 |
| chrX       | 45936001 | 45941000 | 5.44E-18 |
| chrX       | 45937001 | 45942000 | 6.15E-17 |
| chrX       | 45938001 | 45943000 | 2.85E-14 |
| chrX       | 45939001 | 45944000 | 4.44E-13 |
| chrX       | 45953001 | 45958000 | 1.72E-05 |
| chrX       | 45954001 | 45959000 | 1.23E-06 |
| chrX       | 45955001 | 45960000 | 2.77E-07 |
| chrX       | 45956001 | 45961000 | 2.52E-08 |
| chrX       | 45957001 | 45962000 | 5.83E-08 |
| chrX       | 46199001 | 46204000 | 2.69E-05 |
| chrX       | 46210001 | 46215000 | 0.000108324 |
| chrX       | 46572001 | 46577000 | 0.000910832 |
| chrX       | 46648001 | 46653000 | 3.11E-07 |
| chrX       | 46649001 | 46654000 | 2.40E-08 |
| chrX       | 47240001 | 47245000 | 2.96E-05 |
| chrX       | 47786001 | 47791000 | 5.25E-06 |
| chrX       | 48326001 | 48331000 | 0.000328274 |
| chrX       | 48436001 | 48441000 | 4.37E-05 |
| chrX       | 48873001 | 48878000 | 1.53E-13 |
| chrX       | 48883001 | 48888000 | 2.12E-16 |
| chrX       | 48895001 | 48900000 | 6.26E-10 |
| chrX       | 48928001 | 48933000 | 3.09E-11 |
| chrX       | 48929001 | 48934000 | 9.02E-13 |
| chrX       | 49049001 | 49054000 | 6.79E-09 |
| chrX       | 49085001 | 49090000 | 6.30E-14 |
| chrX       | 49632001 | 49637000 | 0.00059096 |
| chrX       | 49647001 | 49652000 | 7.48E-05 |
| chrX       | 51466001 | 51471000 | 1.52E-05 |
| chrX       | 51782001 | 51787000 | 0.007728751 |
| chrX       | 53048001 | 53053000 | 2.50E-06 |
| chrX       | 53474001 | 53479000 | 0.001879845 |
| chrX       | 53475001 | 53480000 | 0.000114682 |
| chrX       | 53481001 | 53486000 | 6.97E-08 |
| chrX       | 53489001 | 53494000 | 3.58E-05 |
| Chromosome | Start (bp) | End (bp) | Score |
|------------|------------|----------|-------|
| chrX       | 53656001   | 53661000 | 0.001625019 |
| chrX       | 53684001   | 53689000 | 7.26E-09   |
| chrX       | 53935001   | 53940000 | 3.52E-05   |
| chrX       | 53936001   | 53941000 | 0.00055353 |
| chrX       | 55587001   | 55592000 | 0.001720804 |
| chrX       | 58068001   | 58073000 | 0.002836667 |
| chrX       | 61881001   | 61886000 | 0.018957727 |
| chrX       | 61882001   | 61887000 | 0.018192439 |
| chrX       | 62346001   | 62351000 | 0.035894832 |
| chrX       | 62687001   | 62692000 | 0.004382848 |
| chrX       | 62691001   | 62696000 | 0.001081595 |
| chrX       | 62717001   | 62722000 | 0.000336957 |
| chrX       | 63179001   | 63184000 | 0.002809917 |
| chrX       | 64706001   | 64711000 | 1.84E-11   |
| chrX       | 64707001   | 64712000 | 6.09E-13   |
| chrX       | 64708001   | 64713000 | 2.86E-07   |
| chrX       | 65437001   | 65442000 | 1.56E-06   |
| chrX       | 65482001   | 65487000 | 0.008167602 |
| chrX       | 65838001   | 65843000 | 1.32E-07   |
| chrX       | 65839001   | 65844000 | 2.85E-08   |
| chrX       | 65850001   | 65855000 | 6.33E-07   |
| chrX       | 65851001   | 65856000 | 5.90E-07   |
| chrX       | 65852001   | 65857000 | 1.55E-05   |
| chrX       | 65996001   | 66001000 | 0.034517906 |
| chrX       | 66755001   | 66760000 | 0.001312496 |
| chrX       | 66756001   | 66761000 | 0.001661726 |
| chrX       | 67011001   | 67016000 | 0.013788129 |
| chrX       | 67078001   | 67083000 | 0.000602232 |
| chrX       | 67497001   | 67502000 | 3.53E-06   |
| chrX       | 67669001   | 67674000 | 2.33E-06   |
| chrX       | 67670001   | 67675000 | 1.45E-08   |
| chrX       | 67671001   | 67676000 | 6.19E-08   |
| chrX       | 67672001   | 67677000 | 7.17E-08   |
| chrX       | 67673001   | 67678000 | 2.80E-07   |
| chrX       | 67680001   | 67685000 | 1.15E-05   |
| chrX       | 67708001   | 67713000 | 5.37E-07   |
| chrX       | 69441001   | 69446000 | 5.50E-06   |
| chrX       | 69844001   | 69849000 | 0.001062205 |
| chrX       | 70051001   | 70056000 | 0.004271112 |
| chrX       | 70230001   | 70235000 | 3.22E-06   |
| chrX       | 70402001   | 70407000 | 6.89E-05   |
| chrX       | 72295001   | 72300000 | 3.49E-09   |
| chrX       | 72296001   | 72301000 | 4.78E-09   |
| chrX       | 72297001   | 72302000 | 1.68E-07   |
| chrX       | 72627001   | 72632000 | 0.000868632 |
| chrX       | 72927001   | 72932000 | 0.005235702 |
| chrX       | 72928001   | 72933000 | 0.003226156 |
| chrX       | 73518001   | 73523000 | 9.02E-05   |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chrX       | 73519001       | 73524000     | 3.30E-05       |
| chrX       | 73586001       | 73591000     | 0.013291195    |
| chrX       | 73627001       | 73632000     | 3.73E-07       |
| chrX       | 73709001       | 73714000     | 8.46E-05       |
| chrX       | 73710001       | 73715000     | 8.64E-09       |
| chrX       | 73774001       | 73779000     | 8.80E-05       |
| chrX       | 74016001       | 74021000     | 3.44E-08       |
| chrX       | 74022001       | 74027000     | 6.19E-08       |
| chrX       | 74028001       | 74033000     | 6.04E-09       |
| chrX       | 74034001       | 74039000     | 6.41E-09       |
| chrX       | 74082001       | 74087000     | 8.00E-13       |
| chrX       | 74083001       | 74088000     | 0.000137262    |
| chrX       | 74084001       | 74089000     | 0.000181984    |
| chrX       | 74085001       | 74090000     | 0.000126334    |
| chrX       | 74542001       | 74547000     | 2.32E-05       |
| chrX       | 74586001       | 74591000     | 0.000634036    |
| chrX       | 75618001       | 75623000     | 4.57E-05       |
| chrX       | 75619001       | 75624000     | 9.52E-05       |
| chrX       | 76496001       | 76501000     | 0.000494965    |
| chrX       | 76497001       | 76502000     | 0.000115126    |
| chrX       | 77171001       | 77176000     | 3.44E-08       |
| chrX       | 77172001       | 77177000     | 6.19E-08       |
| chrX       | 77187001       | 77192000     | 2.04E-10       |
| chrX       | 77188001       | 77193000     | 5.00E-15       |
| chrX       | 78142001       | 78147000     | 0.018958455    |
| chrX       | 78664001       | 78669000     | 1.24E-05       |
| chrX       | 78665001       | 78670000     | 1.86E-05       |
| chrX       | 78666001       | 78671000     | 1.23E-05       |
| chrX       | 79149001       | 79154000     | 5.56E-05       |
| chrX       | 79284001       | 79289000     | 3.48E-05       |
| chrX       | 79285001       | 79290000     | 6.73E-05       |
| chrX       | 79337001       | 79342000     | 0.001743368    |
| chrX       | 79338001       | 79343000     | 0.003242295    |
| chrX       | 79733001       | 79738000     | 6.50E-06       |
| chrX       | 79746001       | 79751000     | 4.33E-06       |
| chrX       | 80810001       | 80815000     | 2.60E-06       |
| chrX       | 80812001       | 80817000     | 1.34E-06       |
| chrX       | 81534001       | 81539000     | 0.002025229    |
| chrX       | 82008001       | 82013000     | 8.92E-05       |
| chrX       | 82009001       | 82014000     | 1.84E-05       |
| chrX       | 82010001       | 82015000     | 8.00E-13       |
| chrX       | 82011001       | 82016000     | 1.27E-09       |
| chrX       | 82012001       | 82017000     | 2.35E-05       |
| chrX       | 82282001       | 82287000     | 0.001301586    |
| chrX       | 82967001       | 82972000     | 3.01E-05       |
| chrX       | 82988001       | 82993000     | 0.000594606    |
| chrX       | 82989001       | 82994000     | 0.00048676     |
| chrX       | 82990001       | 82995000     | 0.000560792    |
| chrX       | 83539001       | 83544000     | 0.000477405    |
| chrX       | 83540001       | 83545000     | 0.001171743    |
| chrX       | 83541001       | 83546000     | 0.000880705    |
| chrX       | 83855001       | 83860000     | 3.07E-05       |
| chrX       | 84084001       | 84089000     | 0.017910321    |
| chrX | 84135001 | 84140000 | 0.000454337 |
|------|---------|---------|-------------|
| chrX | 84136001 | 84141000 | 0.000883663 |
| chrX | 85387001 | 85392000 | 5.98E-05    |
| chrX | 85394001 | 85399000 | 0.005470754 |
| chrX | 85927001 | 85932000 | 0.000115111 |
| chrX | 86038001 | 86043000 | 2.52E-05    |
| chrX | 86039001 | 86044000 | 0.000109475 |
| chrX | 86655001 | 86660000 | 1.38E-05    |
| chrX | 87766001 | 87771000 | 9.11E-16    |
| chrX | 87768001 | 87773000 | 4.62E-15    |
| chrX | 87769001 | 87774000 | 6.38E-13    |
| chrX | 87770001 | 87775000 | 3.02E-11    |
| chrX | 88284001 | 88289000 | 0.006366801 |
| chrX | 88285001 | 88290000 | 0.006471127 |
| chrX | 91399001 | 91404000 | 3.42E-05    |
| chrX | 91460001 | 91465000 | 0.004230562 |
| chrX | 91461001 | 91466000 | 0.0005679   |
| chrX | 91462001 | 91467000 | 0.000719756 |
| chrX | 92414001 | 92419000 | 0.001132564 |
| chrX | 92794001 | 92799000 | 0.004463895 |
| chrX | 93910001 | 93915000 | 0.000813783 |
| chrX | 94147001 | 94152000 | 6.35E-09    |
| chrX | 94148001 | 94153000 | 1.60E-08    |
| chrX | 94149001 | 94154000 | 7.95E-07    |
| chrX | 94190001 | 94195000 | 0.00023418  |
| chrX | 94311001 | 94316000 | 0.000192597 |
| chrX | 94312001 | 94317000 | 0.00014656  |
| chrX | 94315001 | 94320000 | 2.59E-05    |
| chrX | 95304001 | 95309000 | 1.71E-06    |
| chrX | 95747001 | 95752000 | 0.001372113 |
| chrX | 96029001 | 96034000 | 0.000808451 |
| chrX | 96059001 | 96064000 | 3.10E-08    |
| chrX | 96060001 | 96065000 | 4.15E-08    |
| chrX | 96061001 | 96066000 | 6.07E-09    |
| chrX | 96390001 | 96395000 | 0.003474904 |
| chrX | 96514001 | 96519000 | 0.000204897 |
| chrX | 96621001 | 96626000 | 0.000185268 |
| chrX | 98589001 | 98594000 | 0.000453739 |
| chrX | 99776001 | 99781000 | 5.36E-09    |
| chrX | 100462001 | 100467000 | 1.99E-05    |
| chrX | 100922001 | 100927000 | 3.76E-05    |
| chrX | 101430001 | 101435000 | 7.53E-07    |
| chrX | 102230001 | 102228000 | 0.016761654 |
| chrX | 102394001 | 102399000 | 1.44E-06    |
| ChrX | Start | End   | Value     |
|------|-------|-------|-----------|
| 102395001 | 102400000 | 3.01E-09 |
| 102396001 | 102401000 | 1.48E-08 |
| 102409001 | 102414000 | 0.000331908 |
| 102893001 | 102898000 | 0.000869302 |
| 103071001 | 103076000 | 3.76E-07 |
| 103072001 | 103077000 | 4.24E-13 |
| 103073001 | 103078000 | 2.37E-10 |
| 103074001 | 103079000 | 1.72E-09 |
| 103195001 | 103200000 | 3.09E-08 |
| 103196001 | 103201000 | 8.16E-05 |
| 103814001 | 103819000 | 0.002160139 |
| 103906001 | 103911000 | 0.004807528 |
| 103907001 | 103912000 | 0.003909216 |
| 103985001 | 103990000 | 0.00502625 |
| 103986001 | 103991000 | 0.000133053 |
| 104538001 | 104543000 | 0.001313256 |
| 104539001 | 104544000 | 0.000985792 |
| 104616001 | 104621000 | 0.000845139 |
| 104617001 | 104622000 | 0.000211802 |
| 104618001 | 104623000 | 4.71E-06 |
| 105105001 | 105110000 | 0.017256666 |
| 105106001 | 105111000 | 0.021231006 |
| 105479001 | 105484000 | 9.22E-05 |
| 106018001 | 106023000 | 1.08E-06 |
| 106128001 | 106133000 | 0.012234009 |
| 106223001 | 106228000 | 0.000172153 |
| 106290001 | 106295000 | 0.004112008 |
| 106303001 | 106308000 | 1.12E-06 |
| 106336001 | 106341000 | 0.004180859 |
| 106453001 | 106458000 | 3.56E-10 |
| 106468001 | 106473000 | 3.09E-06 |
| 106631001 | 106636000 | 0.014866256 |
| 106674001 | 106679000 | 1.87E-05 |
| 106675001 | 106680000 | 0.013483359 |
| 107212001 | 107217000 | 0.015258169 |
| 107371001 | 107376000 | 6.40E-08 |
| 107372001 | 107377000 | 1.85E-07 |
| 107541001 | 107546000 | 1.45E-06 |
| 107543001 | 107548000 | 0.004836017 |
| 107705001 | 107710000 | 1.46E-05 |
| 107706001 | 107711000 | 6.20E-06 |
| 107940001 | 107945000 | 6.31E-07 |
| 107941001 | 107946000 | 4.48E-08 |
| 107942001 | 107947000 | 1.66E-08 |
| 107943001 | 107948000 | 3.05E-08 |
| 107944001 | 107949000 | 0.005940017 |
| 108462001 | 108467000 | 3.95E-07 |
| 108463001 | 108468000 | 8.85E-07 |
| Start Position | End Position | Score       |
|---------------|--------------|-------------|
| 108464001     | 108469000    | 9.62E-05    |
| 108624001     | 108629000    | 0.003596423 |
| 108625001     | 108630000    | 0.008035608 |
| 108831001     | 108836000    | 4.95E-05    |
| 108930001     | 108935000    | 0.00186411  |
| 108932001     | 108937000    | 0.000380185 |
| 108995001     | 109000000    | 6.38E-06    |
| 109096001     | 109101000    | 6.43E-07    |
| 109116001     | 109121000    | 1.23E-19    |
| 109117001     | 109122000    | 5.52E-21    |
| 109564001     | 109569000    | 0.000289097 |
| 109648001     | 109653000    | 4.77E-08    |
| 109749001     | 109754000    | 4.64E-07    |
| 109752001     | 109757000    | 0.000993371 |
| 109967001     | 109972000    | 0.000539962 |
| 110082001     | 110087000    | 0.000164926 |
| 110225001     | 110230000    | 0.001512346 |
| 110243001     | 110248000    | 0.01108006  |
| 110244001     | 110249000    | 0.001405623 |
| 110245001     | 110250000    | 0.003732393 |
| 110376001     | 110381000    | 0.0007986   |
| 110536001     | 110541000    | 4.38E-06    |
| 110609001     | 110614000    | 0.013407351 |
| 110684001     | 110689000    | 0.011181969 |
| 110685001     | 110690000    | 0.007765837 |
| 110709001     | 110714000    | 0.001393699 |
| 111162001     | 111167000    | 0.000222303 |
| 111490001     | 111495000    | 6.76E-06    |
| 111491001     | 111496000    | 1.57E-05    |
| 111492001     | 111497000    | 2.11E-06    |
| 112225001     | 112230000    | 6.89E-07    |
| 112584001     | 112589000    | 0.002856733 |
| 112585001     | 112590000    | 0.002904856 |
| 112799001     | 112804000    | 6.75E-05    |
| 113043001     | 113048000    | 0.00079495  |
| 113044001     | 113049000    | 0.00154559  |
| 113152001     | 113157000    | 4.28E-10    |
| 113271001     | 113276000    | 0.000444228 |
| 113272001     | 113277000    | 0.000249676 |
| 113314001     | 113319000    | 2.30E-05    |
| 114390001     | 114395000    | 0.00012668  |
| 114537001     | 114542000    | 0.000405487 |
| 114578001     | 114583000    | 6.25E-10    |
| 114579001     | 114584000    | 4.82E-09    |
| 114580001     | 114585000    | 1.15E-09    |
| Chr  | Start  | End    | p-value     |
|------|--------|--------|-------------|
| chrX | 114581001 | 114586000 | 3.05E-09    |
| chrX | 114582001 | 114587000 | 4.84E-10    |
| chrX | 114583001 | 114588000 | 5.55E-06    |
| chrX | 114585001 | 114590000 | 2.54E-06    |
| chrX | 114643001 | 114648000 | 1.56E-05    |
| chrX | 114715001 | 114720000 | 0.017190652 |
| chrX | 114716001 | 114721000 | 0.018037637 |
| chrX | 114733001 | 114738000 | 1.52E-06    |
| chrX | 114826001 | 114831000 | 3.10E-06    |
| chrX | 114827001 | 114832000 | 9.80E-07    |
| chrX | 114828001 | 114833000 | 2.16E-06    |
| chrX | 114830001 | 114835000 | 2.79E-09    |
| chrX | 114832001 | 114837000 | 1.17E-08    |
| chrX | 114833001 | 114838000 | 7.89E-09    |
| chrX | 114834001 | 114839000 | 9.44E-08    |
| chrX | 114890001 | 114895000 | 9.26E-11    |
| chrX | 114891001 | 114896000 | 1.40E-13    |
| chrX | 114892001 | 114897000 | 1.20E-13    |
| chrX | 114893001 | 114898000 | 4.01E-11    |
| chrX | 114894001 | 114899000 | 1.23E-08    |
| chrX | 114919001 | 114924000 | 7.58E-05    |
| chrX | 114920001 | 114925000 | 1.16E-05    |
| chrX | 114929001 | 114934000 | 9.98E-07    |
| chrX | 114930001 | 114935000 | 1.77E-08    |
| chrX | 115104001 | 115109000 | 1.31E-07    |
| chrX | 115342001 | 115347000 | 0.006114239 |
| chrX | 115547001 | 115552000 | 1.01E-07    |
| chrX | 115624001 | 115629000 | 0.026444853 |
| chrX | 116679001 | 116684000 | 0.000549891 |
| chrX | 116897001 | 116902000 | 8.88E-07    |
| chrX | 117000001 | 117005000 | 1.37E-05    |
| chrX | 117385001 | 117390000 | 2.24E-05    |
| chrX | 117386001 | 117391000 | 0.000587331 |
| chrX | 117589001 | 117594000 | 7.45E-05    |
| chrX | 117591001 | 117596000 | 0.000842384 |
| chrX | 117662001 | 117667000 | 1.50E-07    |
| chrX | 117678001 | 117683000 | 0.007715872 |
| chrX | 117758001 | 117763000 | 1.50E-05    |
| chrX | 117759001 | 117764000 | 1.75E-05    |
| chrX | 117979001 | 117984000 | 5.61E-05    |
| chrX | 118141001 | 118146000 | 2.00E-08    |
| chrX | 118142001 | 118147000 | 5.14E-07    |
| chrX | 118227001 | 118232000 | 0.002367251 |
| chrX | 118228001 | 118233000 | 0.000298635 |
| chrX | 118519001 | 118524000 | 3.86E-07    |
| chrX | 118695001 | 118700000 | 2.15E-05    |
| chrX | 118815001 | 118820000 | 6.04E-08    |
| chrX | 118860001 | 118865000 | 1.18E-06    |
| chrX | 118895001 | 118896000 | 1.18E-06    |

Note: The table contains information about genomic locations and p-values, possibly indicating statistical significance in genetic studies.
| Chr | Start | End   | p-value |
|-----|-------|-------|---------|
| chrX | 118861001 | 118866000 | 2.75E-08 |
| chrX | 118862001 | 118867000 | 5.05E-10 |
| chrX | 118863001 | 118868000 | 1.22E-11 |
| chrX | 118864001 | 118869000 | 1.56E-10 |
| chrX | 119465001 | 119470000 | 2.74E-05 |
| chrX | 119815001 | 119820000 | 0.002001926 |
| chrX | 119870001 | 119875000 | 0.00795708 |
| chrX | 119910001 | 119915000 | 0.000208701 |
| chrX | 119911001 | 119916000 | 9.05E-07 |
| chrX | 119912001 | 119917000 | 1.78E-05 |
| chrX | 119913001 | 119918000 | 0.00164564 |
| chrX | 119914001 | 119919000 | 5.41E-05 |
| chrX | 119915001 | 119920000 | 2.10E-05 |
| chrX | 119985001 | 119990000 | 0.000749052 |
| chrX | 119994001 | 119999000 | 4.58E-05 |
| chrX | 120359001 | 120364000 | 0.000258504 |
| chrX | 120603001 | 120608000 | 0.000571596 |
| chrX | 120914001 | 120919000 | 0.00830364 |
| chrX | 120980001 | 120985000 | 3.43E-08 |
| chrX | 120981001 | 120986000 | 2.87E-06 |
| chrX | 120982001 | 120987000 | 1.01E-05 |
| chrX | 120983001 | 120988000 | 4.20E-06 |
| chrX | 120984001 | 120989000 | 2.88E-08 |
| chrX | 121158001 | 121163000 | 0.001577882 |
| chrX | 121185001 | 121190000 | 0.003631979 |
| chrX | 121186001 | 121191000 | 0.001024524 |
| chrX | 121252001 | 121257000 | 0.000319182 |
| chrX | 121710001 | 121715000 | 0.001397428 |
| chrX | 121711001 | 121716000 | 0.001035107 |
| chrX | 121712001 | 121717000 | 0.000205832 |
| chrX | 121740001 | 121745000 | 0.009439746 |
| chrX | 121928001 | 121933000 | 2.56E-06 |
| chrX | 122422001 | 122427000 | 0.010381711 |
| chrX | 122541001 | 122546000 | 0.003284341 |
| chrX | 122548001 | 122553000 | 0.002430242 |
| chrX | 122646001 | 122651000 | 1.92E-12 |
| chrX | 122900001 | 122905000 | 8.12E-07 |
| chrX | 122901001 | 122906000 | 1.42E-05 |
| chrX | 122937001 | 122942000 | 4.79E-05 |
| chrX | 123075001 | 123080000 | 0.002689724 |
| chrX | 123696001 | 123701000 | 0.00470957 |
| chrX | 124355001 | 124360000 | 0.000582177 |
| chrX | 124356001 | 124361000 | 0.001977518 |
| chrX | 124357001 | 124362000 | 0.001500805 |
| chrX | 124359001 | 124364000 | 0.000822068 |
| chrX | 124509001 | 124514000 | 0.00370379 |
| chrX | 124510001 | 124515000 | 0.000288049 |
| chrX | 124511001 | 124516000 | 0.000905079 |
| Chromosome | Start | End   | Probability  |
|------------|-------|-------|--------------|
| chrX       | 124693001 | 124698000 | 0.005951491  |
| chrX       | 124696001 | 124701000 | 0.002672377  |
| chrX       | 124703001 | 124708000 | 0.013333674  |
| chrX       | 125105001 | 125110000 | 0.001200909  |
| chrX       | 125457001 | 125462000 | 0.027288393  |
| chrX       | 126977001 | 126982000 | 1.65E-05     |
| chrX       | 127198001 | 127203000 | 0.002079852  |
| chrX       | 127338001 | 127343000 | 0.000309401  |
| chrX       | 125105001 | 125110000 | 0.001200909  |
| chrX       | 125457001 | 125462000 | 0.027288393  |
| chrX       | 127458001 | 127463000 | 2.76E-05     |
| chrX       | 127459001 | 127464000 | 4.08E-05     |
| chrX       | 127950001 | 127955000 | 0.000323712  |
| chrX       | 127960001 | 127965000 | 0.000134923  |
| chrX       | 127598001 | 127603000 | 5.97E-05     |
| chrX       | 127698001 | 127703000 | 0.00124678   |
| chrX       | 127699001 | 127704000 | 0.000521926  |
| chrX       | 127787001 | 127792000 | 2.95E-05     |
| chrX       | 128086001 | 128091000 | 0.012195737  |
| chrX       | 128087001 | 128092000 | 0.020143445  |
| chrX       | 128088001 | 128093000 | 0.021326207  |
| chrX       | 128158001 | 128163000 | 0.000254919  |
| chrX       | 129373001 | 129378000 | 1.86E-06     |
| chrX       | 129374001 | 129379000 | 4.29E-07     |
| chrX       | 129980001 | 129985000 | 5.95E-06     |
| chrX       | 130106001 | 130111000 | 0.000869961  |
| chrX       | 130110001 | 130115000 | 1.06E-07     |
| chrX       | 130154001 | 130159000 | 0.000676572  |
| chrX       | 130585001 | 130590000 | 0.004526294  |
| chrX       | 130753001 | 130758000 | 0.000451966  |
| chrX       | 130754001 | 130759000 | 0.00021783   |
| chrX       | 130755001 | 130760000 | 0.00010559   |
| chrX       | 130756001 | 130761000 | 1.14E-05     |
| chrX       | 130769001 | 130774000 | 0.003385375  |
| chrX       | 130770001 | 130775000 | 0.000655995  |
| chrX       | 130979001 | 130984000 | 1.91E-06     |
| chrX       | 130980001 | 130985000 | 7.47E-07     |
| chrX       | 131887001 | 131892000 | 0.000584049  |
| chrX       | 131949001 | 131954000 | 0.000446704  |
| chrX       | 132010001 | 132015000 | 0.001778254  |
| chrX       | 132819001 | 132824000 | 3.44E-09     |
| chrX       | 132820001 | 132825000 | 1.32E-08     |
| chrX       | 133200001 | 133205000 | 0.010852014  |
| chrX       | 135192001 | 135197000 | 0.000126238  |
| chrX       | 135346001 | 135351000 | 0.000377859  |
| chrX       | 135347001 | 135352000 | 1.32E-05     |
| chrX       | 135348001 | 135353000 | 0.004903422  |
| chrX       | 135462001 | 135467000 | 0.001242654  |
| chrX       | 135463001 | 135468000 | 0.000437419  |
|      |         |         |        |
|------|---------|---------|--------|
| chrX | 135464001 | 135469000 | 0.000261783 |
| chrX | 135465001 | 135470000 | 0.001447804 |
| chrX | 135466001 | 135471000 | 0.001491107 |
| chrX | 135872001 | 135877000 | 6.56E-06 |
| chrX | 136221001 | 136226000 | 0.003511885 |
| chrX | 136726001 | 136731000 | 2.81E-07 |
| chrX | 136727001 | 136732000 | 3.97E-08 |
| chrX | 136729001 | 136734000 | 7.91E-07 |
| chrX | 137112001 | 137117000 | 9.65E-05 |
| chrX | 137113001 | 137118000 | 2.90E-10 |
| chrX | 137321001 | 137326000 | 0.007391428 |
| chrX | 137453001 | 137458000 | 3.99E-05 |
| chrX | 137875001 | 137880000 | 2.16E-07 |
| chrX | 137876001 | 137881000 | 1.33E-10 |
| chrX | 137911001 | 137916000 | 3.14E-05 |
| chrX | 137921001 | 137926000 | 0.001592436 |
| chrX | 137922001 | 137927000 | 0.001386078 |
| chrX | 137928001 | 137933000 | 0.000589071 |
| chrX | 138000001 | 138005000 | 0.021911981 |
| chrX | 138029001 | 138034000 | 0.00309142 |
| chrX | 138030001 | 138035000 | 0.002252216 |
| chrX | 138031001 | 138036000 | 0.002545943 |
| chrX | 138210001 | 138215000 | 0.003219837 |
| chrX | 138280001 | 138285000 | 2.43E-05 |
| chrX | 138670001 | 138675000 | 0.002400188 |
| chrX | 139022001 | 139027000 | 3.41E-06 |
| chrX | 139023001 | 139028000 | 0.000374435 |
| chrX | 139470001 | 139475000 | 0.00056351 |
| chrX | 139726001 | 139731000 | 0.008070849 |
| chrX | 139993001 | 139998000 | 3.25E-08 |
| chrX | 140311001 | 140316000 | 0.002172207 |
| chrX | 140481001 | 140486000 | 6.28E-05 |
| chrX | 140527001 | 140532000 | 0.001354143 |
| chrX | 140528001 | 140533000 | 8.47E-05 |
| chrX | 140529001 | 140534000 | 3.97E-05 |
| chrX | 140553001 | 140558000 | 1.86E-05 |
| chrX | 140554001 | 140559000 | 6.14E-09 |
| chrX | 140635001 | 140640000 | 4.12E-09 |
| chrX | 140636001 | 140641000 | 6.58E-05 |
| chrX | 140637001 | 140642000 | 0.000100498 |
| chrX | 140638001 | 140643000 | 0.000100498 |
| chrX | 140694001 | 140699000 | 6.96E-05 |
| chrX | 140695001 | 140700000 | 0.000465263 |
| chrX | 140829001 | 140834000 | 6.56E-05 |
| chrX | 140836001 | 140841000 | 0.004108 |
| chrX | 141821001 | 141826000 | 0.001040676 |
| chrX | 141822001 | 141827000 | 2.73E-05 |
| Chromosome | Start Position | End Position | p-Value       |
|------------|----------------|--------------|---------------|
| chrX       | 142177001      | 142182000    | 0.000124571   |
| chrX       | 142306001      | 142311000    | 0.001558152   |
| chrX       | 143122001      | 143127000    | 0.000764813   |
| chrX       | 143123001      | 143128000    | 0.00157954    |
| chrX       | 143124001      | 143129000    | 1.18E-06      |
| chrX       | 143260001      | 143265000    | 0.000417      |
| chrX       | 143494001      | 143499000    | 1.16E-05      |
| chrX       | 143495001      | 143500000    | 1.95E-09      |
| chrX       | 143496001      | 143501000    | 2.49E-09      |
| chrX       | 143497001      | 143502000    | 9.26E-08      |
| chrX       | 143756001      | 143761000    | 0.007132975   |
| chrX       | 143880001      | 143885000    | 0.000801244   |
| chrX       | 143881001      | 143886000    | 0.002482234   |
| chrX       | 144884001      | 144889000    | 4.04E-06      |
| chrX       | 144885001      | 144890000    | 9.08E-07      |
| chrX       | 144886001      | 144891000    | 1.39E-06      |
| chrX       | 145097001      | 145102000    | 4.03E-09      |
| chrX       | 145098001      | 145103000    | 0.000293742   |
| chrX       | 145378001      | 145383000    | 0.01064533    |
| chrX       | 145431001      | 145436000    | 0.001318212   |
| chrX       | 145432001      | 145437000    | 4.61E-06      |
| chrX       | 145433001      | 145438000    | 1.95E-05      |
| chrX       | 145464001      | 145469000    | 0.000549425   |
| chrX       | 145466001      | 145471000    | 0.000274972   |
| chrX       | 145833001      | 145838000    | 0.00046081    |
| chrX       | 145835001      | 145840000    | 6.06E-09      |
| chrX       | 145943001      | 145948000    | 2.84E-06      |
| chrX       | 146627001      | 146632000    | 5.75E-05      |
| chrX       | 146628001      | 146633000    | 8.27E-05      |
| chrX       | 146629001      | 146634000    | 8.60E-05      |
| chrX       | 146705001      | 146710000    | 0.000297777   |
| chrX       | 146708001      | 146713000    | 5.54E-05      |
| chrX       | 147129001      | 147134000    | 1.10E-12      |
| chrX       | 147130001      | 147135000    | 2.66E-12      |
| chrX       | 148204001      | 148209000    | 2.14E-05      |
| chrX       | 148205001      | 148210000    | 1.59E-07      |
| chrX       | 148206001      | 148211000    | 1.62E-07      |
| chrX       | 148789001      | 148794000    | 2.48E-08      |
| chrX       | 149452001      | 149457000    | 0.004442225   |
| chrX       | 150583001      | 150588000    | 0.005725637   |
| chrX       | 150584001      | 150589000    | 0.001788227   |
| chrX       | 150717001      | 150722000    | 1.97E-12      |
| chrX       | 150718001      | 150723000    | 2.54E-15      |
| chrX       | 151499001      | 151504000    | 3.22E-06      |
| chrX       | 151500001      | 151505000    | 3.97E-06      |
| chrX       | 151501001      | 151506000    | 2.63E-06      |
| chrX       | 151510001      | 151515000    | 0.001661878   |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chrX       | 151529001      | 151534000    | 2.27E-05|
| chrX       | 151530001      | 151535000    | 0.000225418|
| chrX       | 151705001      | 151710000    | 4.25E-05|
| chrX       | 151706001      | 151711000    | 0.000110383|
| chrX       | 151708001      | 151713000    | 0.000372605|
| chrX       | 151964001      | 151969000    | 0.001057924|
| chrX       | 152168001      | 152173000    | 5.58E-07|
| chrX       | 153110001      | 153115000    | 1.30E-08|
| chrX       | 153208001      | 153213000    | 6.01E-17|
| chrX       | 153982001      | 153987000    | 3.70E-06|
| chrX       | 154041001      | 154046000    | 8.93E-08|
| chrX       | 154187001      | 154192000    | 0.000184975|
| chrX       | 154188001      | 154193000    | 0.000309298|
| chrX       | 154825001      | 154830000    | 2.19E-05|
| chrY       | 14961001       | 14966000     | 0.006119051|
| chr1       | 52001          | 57000        | 2.28E-06 |
| chr1       | 93001          | 98000        | 0.000780422|
| chr1       | 758001         | 763000       | 6.97E-25 |
| chr1       | 759001         | 764000       | 9.02E-69 |
| chr1       | 760001         | 765000       | 1.80E-87 |
| chr1       | 761001         | 766000       | 1.15E-74 |
| chr1       | 762001         | 767000       | 2.10E-45 |
| chr1       | 763001         | 768000       | 5.37E-14 |
| chr1       | 898001         | 903000       | 1.36E-14 |
| chr1       | 899001         | 904000       | 3.55E-12 |
| chr1       | 900001         | 905000       | 3.69E-17 |
| chr1       | 953001         | 958000       | 0.011668602|
| chr1       | 1209001        | 1214000      | 1.43E-14 |
| chr1       | 1335001        | 1340000      | 1.96E-17 |
| chr1       | 1338001        | 1343000      | 3.03E-43 |
| chr1       | 1339001        | 1344000      | 1.42E-45 |
| chr1       | 1370001        | 1375000      | 0.000189849|
| chr1       | 1586001        | 1591000      | 2.89E-53 |
| chr1       | 1587001        | 1592000      | 1.67E-46 |
| chr1       | 1588001        | 1593000      | 3.31E-44 |
| chr1       | 1590001        | 1595000      | 9.32E-19 |
| chr1       | 1621001        | 1626000      | 4.84E-36 |
| chr1       | 1651001        | 1656000      | 8.47E-08 |
| chr1       | 1652001        | 1657000      | 4.88E-11 |
| chr1       | 1705001        | 1710000      | 1.06E-50 |
| chr1       | 1706001        | 1711000      | 7.43E-21 |
| chr1       | 2154001        | 2159000      | 2.03E-33 |
| chr1       | 2155001        | 2160000      | 2.44E-58 |
| chr1       | 2156001        | 2161000      | 8.45E-55 |
| chr1       | 2157001        | 2162000      | 1.40E-48 |
| chr1       | 2319001        | 2324000      | 3.91E-19 |
| chr1       | 2982001        | 2987000      | 6.13E-05 |
| chr1       | 3130001        | 3135000      | 2.36E-23 |
| chr1 | 8028001 | 8033000 | 6.84E-32 |
|------|--------|--------|---------|
| chr1 | 8029001 | 8034000 | 1.66E-37 |
| chr1 | 8030001 | 8035000 | 3.92E-35 |
| chr1 | 8031001 | 8036000 | 1.75E-34 |
| chr1 | 8032001 | 8037000 | 6.60E-18 |
| chr1 | 8081001 | 8086000 | 5.18E-32 |
| chr1 | 8082001 | 8087000 | 1.88E-59 |
| chr1 | 8086001 | 8091000 | 7.13E-28 |
| chr1 | 8374001 | 8379000 | 3.68E-12 |
| chr1 | 8375001 | 8380000 | 3.04E-18 |
| chr1 | 8376001 | 8381000 | 2.17E-23 |
| chr1 | 8377001 | 8382000 | 3.95E-30 |
| chr1 | 8378001 | 8383000 | 1.45E-29 |
| chr1 | 8873001 | 8878000 | 2.47E-26 |
| chr1 | 8938001 | 8943000 | 4.62E-37 |
| chr1 | 8939001 | 8944000 | 3.72E-45 |
| chr1 | 9184001 | 9189000 | 2.96E-15 |
| chr1 | 9185001 | 9190000 | 6.05E-21 |
| chr1 | 9242001 | 9247000 | 3.14E-09 |
| chr1 | 9292001 | 9297000 | 8.80E-28 |
| chr1 | 9293001 | 9298000 | 2.04E-37 |
| chr1 | 9294001 | 9299000 | 3.45E-49 |
| chr1 | 9295001 | 9300000 | 2.82E-18 |
| chr1 | 9352001 | 9357000 | 2.53E-10 |
| chr1 | 9353001 | 9358000 | 5.67E-12 |
| chr1 | 9485001 | 9490000 | 7.08E-09 |
| chr1 | 9486001 | 9491000 | 1.31E-09 |
| chr1 | 9487001 | 9492000 | 5.49E-11 |
| chr1 | 9488001 | 9493000 | 2.45E-09 |
| chr1 | 9489001 | 9494000 | 1.52E-11 |
| chr1 | 9644001 | 9649000 | 1.92E-30 |
| chr1 | 9645001 | 9650000 | 1.05E-13 |
| chr1 | 9966001 | 9971000 | 3.69E-38 |
| chr1 | 10089001 | 10094000 | 9.36E-18 |
| chr1 | 10090001 | 10095000 | 5.64E-26 |
| chr1 | 10266001 | 10271000 | 2.46E-49 |
| chr1 | 10459001 | 10464000 | 3.20E-19 |
| chr1 | 10856001 | 10861000 | 6.51E-35 |
| chr1 | 11776001 | 11781000 | 2.50E-14 |
| chr1 | 11778001 | 11783000 | 3.01E-07 |
| chr1 | 11779001 | 11784000 | 4.56E-07 |
| chr1 | 11864001 | 11869000 | 2.64E-17 |
| chr1 | 11865001 | 11870000 | 2.01E-33 |
| chr1 | 11866001 | 11871000 | 3.56E-20 |
| chr1 | 12075001 | 12080000 | 8.61E-08 |
| chr1 | 12076001 | 12081000 | 9.39E-09 |
| chr1 | 12120001 | 12125000 | 1.05E-05 |
| chr1 | 12121001 | 12126000 | 0.000796316 |
| Chromosome | Start Position | End Position | Score |
|------------|----------------|--------------|-------|
| chr1       | 12223001       | 12228000     | 1.48E-13 |
| chr1       | 12227001       | 12232000     | 4.52E-14 |
| chr1       | 12288001       | 12293000     | 2.68E-14 |
| chr1       | 12290001       | 12295000     | 2.14E-31 |
| chr1       | 13204001       | 13209000     | 0.000370239 |
| chr1       | 13947001       | 13952000     | 7.09E-13 |
| chr1       | 14022001       | 14027000     | 1.44E-17 |
| chr1       | 14071001       | 14076000     | 5.50E-35 |
| chr1       | 14072001       | 14077000     | 8.86E-64 |
| chr1       | 14073001       | 14078000     | 2.61E-69 |
| chr1       | 14074001       | 14079000     | 4.42E-67 |
| chr1       | 14075001       | 14080000     | 5.20E-32 |
| chr1       | 14076001       | 14081000     | 2.41E-38 |
| chr1       | 14175001       | 14180000     | 0.003961297 |
| chr1       | 14245001       | 14250000     | 9.40E-06 |
| chr1       | 14246001       | 14251000     | 2.43E-06 |
| chr1       | 14247001       | 14252000     | 2.47E-13 |
| chr1       | 14248001       | 14253000     | 5.91E-09 |
| chr1       | 14383001       | 14388000     | 0.000493202 |
| chr1       | 14485001       | 14490000     | 0.003438415 |
| chr1       | 14486001       | 14491000     | 4.07E-05 |
| chr1       | 14514001       | 14519000     | 1.96E-06 |
| chr1       | 14515001       | 14520000     | 2.42E-06 |
| chr1       | 14516001       | 14521000     | 2.68E-07 |
| chr1       | 14629001       | 14634000     | 6.92E-05 |
| chr1       | 14632001       | 14637000     | 0.001070323 |
| chr1       | 14638001       | 14643000     | 0.001066145 |
| chr1       | 14680001       | 14685000     | 2.34E-06 |
| chr1       | 14921001       | 14926000     | 6.69E-15 |
| chr1       | 14923001       | 14928000     | 2.03E-20 |
| chr1       | 14925001       | 14930000     | 9.32E-23 |
| chr1       | 15246001       | 15251000     | 1.17E-08 |
| chr1       | 15247001       | 15252000     | 0.000865116 |
| chr1       | 15248001       | 15253000     | 1.23E-09 |
| chr1       | 15249001       | 15254000     | 1.63E-09 |
| chr1       | 15250001       | 15255000     | 3.83E-18 |
| chr1       | 15251001       | 15256000     | 1.57E-08 |
| chr1       | 15476001       | 15481000     | 1.24E-34 |
| chr1       | 15480001       | 15485000     | 2.05E-11 |
| chr1       | 15569001       | 15574000     | 4.40E-08 |
| chr1       | 15573001       | 15578000     | 8.00E-11 |
| chr1       | 15732001       | 15737000     | 3.33E-05 |
| chr1       | 15733001       | 15738000     | 8.59E-08 |
| chr1       | 15853001       | 15858000     | 2.41E-28 |
| chr1       | 16008001       | 16013000     | 5.64E-09 |
| chr1       | 16009001       | 16014000     | 6.24E-08 |
| chr1       | 16082001       | 16087000     | 1.01E-09 |
| chr1       | 16083001       | 16088000     | 2.52E-12 |
| Chr  | Start | End   | P-value |
|------|-------|-------|---------|
| chr1 | 16084001 | 16089000 | 2.18E-12 |
| chr1 | 16085001 | 16090000 | 4.61E-15 |
| chr1 | 16299001 | 16304000 | 1.66E-18 |
| chr1 | 16300001 | 16305000 | 1.06E-14 |
| chr1 | 16302001 | 16307000 | 6.53E-17 |
| chr1 | 16337001 | 16342000 | 5.47E-06 |
| chr1 | 16467001 | 16472000 | 4.26E-06 |
| chr1 | 16482001 | 16487000 | 1.55E-12 |
| chr1 | 16529001 | 16534000 | 5.62E-09 |
| chr1 | 16674001 | 16679000 | 3.92E-28 |
| chr1 | 16675001 | 16680000 | 5.13E-23 |
| chr1 | 16676001 | 16681000 | 3.00E-26 |
| chr1 | 16678001 | 16683000 | 1.20E-20 |
| chr1 | 16679001 | 16684000 | 5.37E-15 |
| chr1 | 16763001 | 16768000 | 1.16E-10 |
| chr1 | 16764001 | 16769000 | 1.55E-13 |
| chr1 | 16765001 | 16770000 | 1.55E-19 |
| chr1 | 16766001 | 16771000 | 1.77E-15 |
| chr1 | 16767001 | 16772000 | 5.24E-17 |
| chr1 | 16825001 | 16830000 | 1.32E-21 |
| chr1 | 16940001 | 16945000 | 2.22E-156 |
| chr1 | 17067001 | 17072000 | 3.34E-05 |
| chr1 | 17068001 | 17073000 | 3.34E-05 |
| chr1 | 17069001 | 17074000 | 3.34E-05 |
| chr1 | 17236001 | 17241000 | 4.16E-36 |
| chr1 | 17237001 | 17242000 | 2.59E-32 |
| chr1 | 17238001 | 17243000 | 5.19E-34 |
| chr1 | 17336001 | 17341000 | 2.27E-05 |
| chr1 | 17376001 | 17381000 | 4.41E-14 |
| chr1 | 17624001 | 17629000 | 3.83E-10 |
| chr1 | 17625001 | 17630000 | 8.50E-12 |
| chr1 | 17862001 | 17867000 | 3.10E-08 |
| chr1 | 17864001 | 17869000 | 2.29E-13 |
| chr1 | 17865001 | 17870000 | 2.30E-18 |
| chr1 | 17866001 | 17871000 | 6.12E-22 |
| chr1 | 19278001 | 19283000 | 5.07E-40 |
| chr1 | 19279001 | 19284000 | 1.04E-44 |
| chr1 | 19281001 | 19286000 | 5.47E-46 |
| chr1 | 19282001 | 19287000 | 2.38E-53 |
| chr1 | 19283001 | 19288000 | 6.95E-51 |
| chr1 | 19574001 | 19579000 | 8.81E-22 |
| chr1 | 19575001 | 19580000 | 3.43E-26 |
| chr1 | 19576001 | 19581000 | 1.11E-20 |
| chr1 | 19634001 | 19639000 | 2.13E-19 |
| chr1 | 19635001 | 19640000 | 1.98E-20 |
| chr1 | 19636001 | 19641000 | 7.95E-22 |
| chr1 | 19637001 | 19642000 | 1.73E-15 |
| chr1 | 19638001 | 19643000 | 1.52E-19 |
| Chr | Start | End   | P-value   |
|-----|-------|-------|-----------|
| chr1| 19639001 | 19644000 | 1.30E-08  |
| chr1| 19971001 | 19976000 | 2.52E-05  |
| chr1| 20122001 | 20127000 | 2.56E-35  |
| chr1| 20123001 | 20128000 | 1.43E-17  |
| chr1| 20124001 | 20129000 | 1.75E-09  |
| chr1| 20185001 | 20190000 | 1.19E-11  |
| chr1| 20186001 | 20191000 | 4.81E-12  |
| chr1| 20187001 | 20192000 | 4.97E-12  |
| chr1| 20188001 | 20193000 | 1.55E-11  |
| chr1| 20189001 | 20194000 | 7.51E-11  |
| chr1| 20209001 | 20214000 | 2.20E-50  |
| chr1| 20746001 | 20751000 | 0.000154774 |
| chr1| 20830001 | 20835000 | 1.31E-25  |
| chr1| 20831001 | 20836000 | 1.74E-23  |
| chr1| 20832001 | 20837000 | 5.00E-39  |
| chr1| 20833001 | 20838000 | 5.23E-31  |
| chr1| 20834001 | 20839000 | 9.30E-23  |
| chr1| 21065001 | 21070000 | 0.010535738 |
| chr1| 21113001 | 21118000 | 3.27E-11  |
| chr1| 21503001 | 21508000 | 1.53E-20  |
| chr1| 21612001 | 21617000 | 2.11E-18  |
| chr1| 21613001 | 21618000 | 6.73E-20  |
| chr1| 21614001 | 21619000 | 9.73E-14  |
| chr1| 21615001 | 21620000 | 3.73E-07  |
| chr1| 21616001 | 21621000 | 6.75E-07  |
| chr1| 21672001 | 21677000 | 5.19E-11  |
| chr1| 21766001 | 21771000 | 1.83E-33  |
| chr1| 23346001 | 23351000 | 5.12E-47  |
| chr1| 23425001 | 23430000 | 0.000225373 |
| chr1| 23500001 | 23505000 | 1.34E-10  |
| chr1| 23501001 | 23506000 | 9.96E-19  |
| chr1| 23502001 | 23507000 | 1.18E-22  |
| chr1| 23503001 | 23508000 | 2.10E-17  |
| chr1| 23539001 | 23544000 | 8.34E-13  |
| chr1| 23670001 | 23675000 | 6.12E-26  |
| chr1| 23810001 | 23815000 | 1.04E-09  |
| chr1| 23853001 | 23858000 | 1.27E-09  |
| chr1| 23854001 | 23859000 | 2.99E-10  |
| chr1| 23855001 | 23860000 | 2.81E-15  |
| chr1| 23856001 | 23861000 | 1.02E-12  |
| chr1| 23857001 | 23862000 | 5.61E-12  |
| chr1| 24065001 | 24070000 | 1.10E-06  |
| chr1| 24066001 | 24071000 | 1.86E-12  |
| chr1| 24126001 | 24131000 | 1.06E-18  |
| chr1| 24127001 | 24132000 | 7.82E-14  |
| chr1| 24152001 | 24157000 | 5.24E-05  |
| chr1| 24190001 | 24195000 | 4.55E-23  |
| chr1| 24229001 | 24234000 | 4.90E-08  |
| chr1  | start  | end    | p-value   |
|-------|--------|--------|-----------|
|       | 24510001 | 24515000 | 6.33E-09  |
|       | 24513001 | 24518000 | 2.90E-13  |
|       | 24969001 | 24974000 | 8.09E-47  |
|       | 24970001 | 24975000 | 4.12E-46  |
|       | 25170001 | 25175000 | 8.34E-18  |
|       | 25171001 | 25176000 | 1.94E-18  |
|       | 25173001 | 25178000 | 1.33E-20  |
|       | 25174001 | 25179000 | 2.35E-28  |
|       | 25175001 | 25180000 | 3.49E-22  |
|       | 25203001 | 25208000 | 5.84E-09  |
|       | 25574001 | 25579000 | 8.64E-21  |
|       | 25752001 | 25757000 | 1.19E-24  |
|       | 25753001 | 25758000 | 1.00E-35  |
|       | 25755001 | 25760000 | 2.58E-59  |
|       | 25756001 | 25761000 | 1.15E-72  |
|       | 25757001 | 25762000 | 1.79E-64  |
|       | 25758001 | 25763000 | 3.69E-27  |
|       | 25866001 | 25871000 | 7.76E-23  |
|       | 25867001 | 25872000 | 6.84E-15  |
|       | 25868001 | 25873000 | 1.36E-25  |
|       | 25869001 | 25874000 | 2.05E-30  |
|       | 25870001 | 25875000 | 3.72E-07  |
|       | 25939001 | 25944000 | 1.11E-17  |
|       | 26122001 | 26127000 | 3.49E-31  |
|       | 26124001 | 26129000 | 1.01E-05  |
|       | 26125001 | 26130000 | 1.47E-09  |
|       | 26126001 | 26131000 | 2.35E-06  |
|       | 26181001 | 26186000 | 1.40E-21  |
|       | 26183001 | 26188000 | 1.06E-14  |
|       | 26184001 | 26189000 | 8.93E-27  |
|       | 26200001 | 26205000 | 9.15E-08  |
|       | 26201001 | 26206000 | 1.62E-07  |
|       | 26484001 | 26489000 | 8.30E-14  |
|       | 26485001 | 26490000 | 1.40E-06  |
|       | 26489001 | 26494000 | 7.11E-17  |
|       | 26492001 | 26497000 | 3.55E-14  |
|       | 26493001 | 26498000 | 5.09E-11  |
|       | 26495001 | 26500000 | 3.95E-06  |
|       | 26496001 | 26501000 | 1.24E-08  |
|       | 26556001 | 26561000 | 1.21E-08  |
|       | 26825001 | 26830000 | 5.04E-10  |
|       | 26826001 | 26831000 | 1.10E-29  |
|       | 26827001 | 26832000 | 2.34E-45  |
|       | 26852001 | 26857000 | 3.21E-08  |
|       | 26853001 | 26858000 | 3.48E-08  |
|       | 27068001 | 27073000 | 1.75E-06  |
|       | 27149001 | 27154000 | 6.55E-27  |
|       | 27150001 | 27155000 | 1.36E-17  |
| Chr  | Start | Stop  | p-value         |
|------|-------|-------|----------------|
| chr1 | 2715001 | 2715000 | 6.98E-17    |
| chr1 | 27151001 | 27151000 | 5.13E-15    |
| chr1 | 27187001 | 27187000 | 5.05E-25    |
| chr1 | 27222001 | 27222000 | 2.11E-20    |
| chr1 | 27248001 | 27248000 | 8.52E-29    |
| chr1 | 27557001 | 27557000 | 8.84E-21    |
| chr1 | 27558001 | 27558000 | 1.49E-08    |
| chr1 | 27559001 | 27559000 | 2.36E-10    |
| chr1 | 27560001 | 27560000 | 2.16E-12    |
| chr1 | 27561001 | 27561000 | 9.39E-10    |
| chr1 | 27648001 | 27648000 | 4.24E-26    |
| chr1 | 27812001 | 27812000 | 2.02E-38    |
| chr1 | 27854001 | 27854000 | 8.90E-15    |
| chr1 | 27930001 | 27930000 | 2.22E-11    |
| chr1 | 27956001 | 27956000 | 5.02E-12    |
| chr1 | 28052001 | 28052000 | 2.34E-40    |
| chr1 | 28053001 | 28053000 | 1.26E-14    |
| chr1 | 28153001 | 28153000 | 2.35E-09    |
| chr1 | 28154001 | 28154000 | 2.95E-18    |
| chr1 | 28156001 | 28156000 | 1.61E-26    |
| chr1 | 28157001 | 28157000 | 1.07E-22    |
| chr1 | 28241001 | 28241000 | 2.63E-18    |
| chr1 | 28558001 | 28558000 | 6.72E-32    |
| chr1 | 28559001 | 28559000 | 2.99E-46    |
| chr1 | 28560001 | 28560000 | 2.15E-47    |
| chr1 | 28582001 | 28582000 | 1.30E-06    |
| chr1 | 28693001 | 28693000 | 4.10E-12    |
| chr1 | 28694001 | 28694000 | 1.06E-12    |
| chr1 | 28695001 | 28695000 | 5.59E-12    |
| chr1 | 28696001 | 28696000 | 2.04E-09    |
| chr1 | 28844001 | 28844000 | 5.73E-11    |
| chr1 | 28845001 | 28845000 | 2.95E-09    |
| chr1 | 28875001 | 28875000 | 1.43E-21    |
| chr1 | 28876001 | 28876000 | 2.59E-18    |
| chr1 | 28877001 | 28877000 | 4.39E-15    |
| chr1 | 28878001 | 28878000 | 1.07E-19    |
| chr1 | 28915001 | 28915000 | 6.16E-16    |
| chr1 | 28966001 | 28966000 | 3.12E-16    |
| chr1 | 28967001 | 28967000 | 2.10E-16    |
| chr1 | 28968001 | 28968000 | 1.08E-14    |
| chr1 | 28969001 | 28969000 | 2.97E-14    |
| chr1 | 29508001 | 29508000 | 8.16E-24    |
| chr1 | 29564001 | 29564000 | 1.43E-17    |
| chr1 | 29586001 | 29586000 | 3.19E-12    |
| chr1 | 30619001 | 30619000 | 9.08E-10    |
| chr1 | 31063001 | 31063000 | 5.84E-06    |
| chr1 | 31064001 | 31064000 | 9.80E-05    |
| chr1 | 31065001 | 31065000 | 3.53E-05    |
| Chr  | Start   | End     | Value     |
|------|---------|---------|-----------|
| chr1 | 31190001| 31195000| 1.02E-19  |
| chr1 | 31276001| 31281000| 1.74E-11  |
| chr1 | 31277001| 31282000| 1.49E-10  |
| chr1 | 31627001| 31632000| 2.50E-12  |
| chr1 | 31712001| 31717000| 3.19E-21  |
| chr1 | 31769001| 31774000| 2.27E-15  |
| chr1 | 31770001| 31775000| 7.88E-12  |
| chr1 | 31863001| 31868000| 5.32E-33  |
| chr1 | 31864001| 31869000| 2.21E-17  |
| chr1 | 31885001| 31890000| 1.81E-19  |
| chr1 | 31886001| 31891000| 6.10E-26  |
| chr1 | 32224001| 32229000| 2.51E-20  |
| chr1 | 32225001| 32230000| 1.89E-06  |
| chr1 | 32252001| 32257000| 8.54E-08  |
| chr1 | 32253001| 32258000| 2.16E-05  |
| chr1 | 32475001| 32480000| 2.99E-07  |
| chr1 | 32479001| 32484000| 1.72E-26  |
| chr1 | 32537001| 32542000| 1.44E-14  |
| chr1 | 32671001| 32676000| 9.78E-07  |
| chr1 | 32706001| 32711000| 4.33E-26  |
| chr1 | 32797001| 32802000| 6.32E-09  |
| chr1 | 32798001| 32803000| 9.48E-07  |
| chr1 | 32799001| 32804000| 2.37E-08  |
| chr1 | 32814001| 32819000| 3.75E-17  |
| chr1 | 32815001| 32820000| 3.63E-13  |
| chr1 | 32816001| 32821000| 5.43E-15  |
| chr1 | 32817001| 32822000| 7.84E-13  |
| chr1 | 32855001| 32860000| 4.35E-12  |
| chr1 | 32966001| 32971000| 1.57E-16  |
| chr1 | 33001001| 33006000| 2.80E-25  |
| chr1 | 33002001| 33007000| 5.76E-30  |
| chr1 | 33003001| 33008000| 7.10E-29  |
| chr1 | 33004001| 33009000| 1.61E-29  |
| chr1 | 33005001| 33010000| 4.72E-08  |
| chr1 | 33117001| 33122000| 4.21E-11  |
| chr1 | 33164001| 33169000| 1.71E-32  |
| chr1 | 33165001| 33170000| 9.29E-18  |
| chr1 | 33215001| 33220000| 1.29E-18  |
| chr1 | 33279001| 33284000| 2.65E-19  |
| chr1 | 33281001| 33286000| 6.14E-17  |
| chr1 | 33282001| 33287000| 1.78E-52  |
| chr1 | 33283001| 33288000| 1.68E-26  |
| chr1 | 33336001| 33341000| 4.88E-07  |
| chr1 | 33434001| 33439000| 3.87E-19  |
| chr1 | 33435001| 33440000| 1.61E-09  |
| chr1 | 33498001| 33503000| 6.91E-15  |
| chr1 | 33499001| 33504000| 1.16E-14  |
| chr1 | 33500001| 33505000| 7.16E-19  |
| chr1 | start | end   | P-value  |
|------|-------|-------|----------|
| chr1 | 33501001 | 33506000 | 5.87E-22 |
| chr1 | 33502001 | 33507000 | 1.60E-22 |
| chr1 | 33642001 | 33647000 | 1.14E-14 |
| chr1 | 33643001 | 33648000 | 4.53E-17 |
| chr1 | 33644001 | 33649000 | 7.30E-17 |
| chr1 | 33645001 | 33650000 | 6.78E-26 |
| chr1 | 33717001 | 33722000 | 8.21E-10 |
| chr1 | 33718001 | 33723000 | 1.98E-15 |
| chr1 | 33719001 | 33724000 | 5.14E-08 |
| chr1 | 33814001 | 33819000 | 2.40E-37 |
| chr1 | 33815001 | 33820000 | 2.29E-37 |
| chr1 | 33892001 | 33897000 | 3.59E-62 |
| chr1 | 33893001 | 33898000 | 7.34E-72 |
| chr1 | 33894001 | 33899000 | 2.49E-61 |
| chr1 | 33895001 | 33900000 | 7.34E-64 |
| chr1 | 33896001 | 33901000 | 4.12E-43 |
| chr1 | 33938001 | 33943000 | 1.61E-12 |
| chr1 | 34352001 | 34357000 | 3.71E-07 |
| chr1 | 34353001 | 34358000 | 4.58E-07 |
| chr1 | 34354001 | 34359000 | 1.77E-06 |
| chr1 | 34407001 | 34412000 | 6.83E-05 |
| chr1 | 34580001 | 34585000 | 0.00396648 |
| chr1 | 34581001 | 34586000 | 0.005346575 |
| chr1 | 34597001 | 34602000 | 7.66E-05 |
| chr1 | 34598001 | 34603000 | 9.32E-07 |
| chr1 | 34599001 | 34604000 | 1.20E-05 |
| chr1 | 34740001 | 34745000 | 2.19E-05 |
| chr1 | 34773001 | 34778000 | 1.05E-08 |
| chr1 | 34774001 | 34779000 | 4.46E-09 |
| chr1 | 34775001 | 34780000 | 5.67E-06 |
| chr1 | 34844001 | 34849000 | 1.38E-09 |
| chr1 | 34861001 | 34866000 | 3.35E-05 |
| chr1 | 34862001 | 34867000 | 0.00138674 |
| chr1 | 34880001 | 34885000 | 5.42E-07 |
| chr1 | 34892001 | 34897000 | 2.35E-07 |
| chr1 | 34950001 | 34955000 | 0.00256551 |
| chr1 | 34986001 | 34991000 | 3.62E-06 |
| chr1 | 35007001 | 35012000 | 5.90E-05 |
| chr1 | 35141001 | 35146000 | 6.78E-07 |
| chr1 | 35144001 | 35149000 | 1.19E-05 |
| chr1 | 35145001 | 35150000 | 1.47E-08 |
| chr1 | 35246001 | 35251000 | 9.31E-27 |
| chr1 | 35247001 | 35252000 | 1.91E-18 |
| chr1 | 35321001 | 35326000 | 2.70E-15 |
| chr1 | 35322001 | 35327000 | 9.53E-27 |
| chr1 | 35323001 | 35328000 | 1.63E-23 |
| chr1 | 35324001 | 35329000 | 2.46E-27 |
| chr1 | 35325001 | 35330000 | 8.17E-24 |
| Chromosome | Start Base | End Base | P-value          |
|------------|------------|----------|-----------------|
| chr1       | 35451001   | 3546000  | 2.07E-11        |
| chr1       | 35543001   | 35548000 | 1.61E-09        |
| chr1       | 35545001   | 35550000 | 5.31E-12        |
| chr1       | 36034001   | 36039000 | 3.38E-07        |
| chr1       | 36182001   | 36187000 | 1.79E-14        |
| chr1       | 36183001   | 36188000 | 1.65E-13        |
| chr1       | 36184001   | 36189000 | 2.28E-19        |
| chr1       | 36235001   | 36240000 | 1.02E-15        |
| chr1       | 36344001   | 36349000 | 5.70E-15        |
| chr1       | 36345001   | 36350000 | 1.28E-10        |
| chr1       | 36617001   | 36622000 | 4.70E-15        |
| chr1       | 36768001   | 36773000 | 1.05E-15        |
| chr1       | 36769001   | 36774000 | 7.46E-21        |
| chr1       | 36770001   | 36775000 | 4.02E-18        |
| chr1       | 36771001   | 36776000 | 1.58E-15        |
| chr1       | 36772001   | 36777000 | 4.01E-19        |
| chr1       | 36847001   | 36852000 | 3.26E-12        |
| chr1       | 36912001   | 36917000 | 4.71E-10        |
| chr1       | 36913001   | 36918000 | 9.56E-08        |
| chr1       | 36914001   | 36919000 | 2.80E-08        |
| chr1       | 36915001   | 36920000 | 6.13E-19        |
| chr1       | 36916001   | 36921000 | 1.76E-17        |
| chr1       | 36925001   | 36930000 | 1.17E-17        |
| chr1       | 36926001   | 36931000 | 2.85E-13        |
| chr1       | 36927001   | 36932000 | 3.09E-11        |
| chr1       | 37935001   | 37940000 | 3.53E-13        |
| chr1       | 37936001   | 37941000 | 3.31E-14        |
| chr1       | 38015001   | 38020000 | 2.42E-36        |
| chr1       | 38016001   | 38021000 | 1.21E-23        |
| chr1       | 38017001   | 38022000 | 1.18E-21        |
| chr1       | 38151001   | 38156000 | 6.14E-15        |
| chr1       | 38152001   | 38157000 | 3.76E-19        |
| chr1       | 38153001   | 38158000 | 5.42E-32        |
| chr1       | 38214001   | 38219000 | 1.91E-11        |
| chr1       | 38215001   | 38220000 | 5.82E-09        |
| chr1       | 38216001   | 38221000 | 6.43E-06        |
| chr1       | 38217001   | 38222000 | 2.90E-07        |
| chr1       | 38255001   | 38260000 | 3.76E-26        |
| chr1       | 38256001   | 38261000 | 1.17E-27        |
| chr1       | 38257001   | 38262000 | 1.07E-22        |
| chr1       | 38258001   | 38263000 | 7.75E-23        |
| chr1       | 38259001   | 38264000 | 8.20E-09        |
| chr1       | 38269001   | 38274000 | 6.55E-19        |
| chr1       | 38270001   | 38275000 | 1.47E-16        |
| chr1       | 38271001   | 38276000 | 6.47E-29        |
| chr1       | 38272001   | 38277000 | 1.86E-20        |
| chr1       | 38273001   | 38278000 | 1.83E-26        |
| chr1       | 38274001   | 38279000 | 1.11E-27        |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr1       | 38321001       | 38326000     | 1.05E-24|
| chr1       | 38322001       | 38327000     | 1.70E-16|
| chr1       | 38323001       | 38328000     | 2.88E-12|
| chr1       | 38453001       | 38458000     | 2.29E-17|
| chr1       | 38454001       | 38459000     | 3.06E-19|
| chr1       | 38455001       | 38460000     | 1.98E-25|
| chr1       | 38457001       | 38462000     | 6.75E-16|
| chr1       | 38468001       | 38473000     | 4.57E-07|
| chr1       | 38469001       | 38474000     | 2.70E-09|
| chr1       | 38470001       | 38475000     | 5.40E-29|
| chr1       | 38471001       | 38476000     | 2.58E-17|
| chr1       | 38780001       | 38785000     | 5.55E-06|
| chr1       | 38781001       | 38786000     | 2.66E-08|
| chr1       | 38782001       | 38787000     | 8.57E-08|
| chr1       | 38783001       | 38788000     | 2.44E-08|
| chr1       | 38784001       | 38789000     | 1.24E-08|
| chr1       | 39040001       | 39045000     | 3.99E-22|
| chr1       | 39095001       | 39100000     | 5.54E-07|
| chr1       | 39265001       | 39270000     | 3.29E-10|
| chr1       | 39320001       | 39325000     | 5.56E-08|
| chr1       | 39321001       | 39326000     | 1.85E-15|
| chr1       | 39334001       | 39339000     | 6.91E-12|
| chr1       | 39337001       | 39342000     | 1.18E-38|
| chr1       | 39338001       | 39343000     | 2.34E-44|
| chr1       | 39339001       | 39344000     | 4.18E-31|
| chr1       | 39543001       | 39548000     | 1.17E-16|
| chr1       | 39571001       | 39576000     | 3.29E-13|
| chr1       | 39870001       | 39875000     | 1.32E-36|
| chr1       | 39871001       | 39876000     | 2.89E-47|
| chr1       | 39872001       | 39877000     | 7.62E-37|
| chr1       | 39873001       | 39878000     | 1.16E-33|
| chr1       | 39952001       | 39957000     | 2.51E-24|
| chr1       | 40039001       | 40044000     | 4.30E-24|
| chr1       | 40040001       | 40045000     | 1.14E-37|
| chr1       | 40041001       | 40046000     | 2.58E-59|
| chr1       | 40042001       | 40047000     | 1.74E-45|
| chr1       | 40103001       | 40108000     | 3.14E-07|
| chr1       | 40104001       | 40109000     | 1.58E-10|
| chr1       | 40105001       | 40110000     | 4.21E-09|
| chr1       | 40155001       | 40160000     | 3.65E-06|
| chr1       | 40156001       | 40161000     | 3.40E-07|
| chr1       | 40157001       | 40162000     | 7.96E-12|
| chr1       | 40254001       | 40259000     | 3.63E-13|
| chr1       | 40308001       | 40313000     | 1.61E-05|
| chr1       | 40309001       | 40314000     | 2.71E-12|
| chr1       | 40363001       | 40368000     | 8.89E-12|
| chr1       | 40365001       | 40370000     | 4.65E-18|
| chr1       | 40367001       | 40372000     | 2.69E-32|
| chr1 | 40368001 | 40373000 | 3.00E-14 |
| chr1 | 40416001 | 40421000 | 4.67E-09 |
| chr1 | 40558001 | 40563000 | 1.09E-13 |
| chr1 | 40559001 | 40564000 | 3.15E-14 |
| chr1 | 40560001 | 40565000 | 1.99E-14 |
| chr1 | 40561001 | 40566000 | 7.87E-21 |
| chr1 | 40562001 | 40567000 | 1.42E-18 |
| chr1 | 40563001 | 40568000 | 1.53E-10 |
| chr1 | 40564001 | 40569000 | 8.92E-11 |
| chr1 | 40565001 | 40570000 | 1.77E-36 |
| chr1 | 40566001 | 40571000 | 2.67E-26 |
| chr1 | 40567001 | 40572000 | 1.05E-41 |
| chr1 | 40568001 | 40573000 | 9.93E-41 |
| chr1 | 40569001 | 40574000 | 2.13E-30 |
| chr1 | 40570001 | 40575000 | 2.78E-33 |
| chr1 | 40571001 | 40576000 | 3.93E-32 |
| chr1 | 40572001 | 40577000 | 3.52E-15 |
| chr1 | 40573001 | 40578000 | 1.78E-29 |
| chr1 | 40574001 | 40579000 | 3.15E-37 |
| chr1 | 40575001 | 40580000 | 3.70E-39 |
| chr1 | 40576001 | 40581000 | 1.21E-38 |
| chr1 | 40577001 | 40582000 | 2.91E-41 |
| chr1 | 40578001 | 40583000 | 1.40E-16 |
| chr1 | 40579001 | 40584000 | 1.16E-16 |
| chr1 | 40580001 | 40585000 | 6.28E-22 |
| chr1 | 40581001 | 40586000 | 3.66E-19 |
| chr1 | 40582001 | 40587000 | 1.31E-08 |
| chr1 | 40583001 | 40588000 | 3.12E-06 |
| chr1 | 40584001 | 40589000 | 2.62E-11 |
| chr1 | 40585001 | 40590000 | 3.81E-13 |
| chr1 | 40586001 | 40591000 | 6.32E-20 |
| chr1 | 40587001 | 40592000 | 8.49E-14 |
| chr1 | 40588001 | 40593000 | 3.78E-28 |
| chr1 | 40589001 | 40594000 | 1.20E-12 |
| chr1 | 40590001 | 40595000 | 0.004531125 |
| chr1 | 40591001 | 40596000 | 0.00058475 |
| chr1 | 40592001 | 40597000 | 1.06E-09 |
| chr1 | 40593001 | 40598000 | 3.18E-09 |
| chr1 | 40594001 | 40599000 | 3.26E-08 |
| chr1 | 40595001 | 40600000 | 2.20E-11 |
| chr1 | 40596001 | 40601000 | 9.08E-54 |
| chr1 | 40597001 | 40602000 | 9.42E-49 |
| chr1 | 40598001 | 40603000 | 5.52E-37 |
| chr1 | 40599001 | 40604000 | 3.74E-31 |
| chr1 | 40600001 | 40605000 | 1.27E-17 |
| chr1 | 40601001 | 40606000 | 1.27E-14 |
| chr1 | 40602001 | 40607000 | 3.75E-08 |
| chr1 | 40603001 | 40608000 | 6.13E-26 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr1       | 42500001       | 42505000     | 1.69E-30 |
| chr1       | 42501001       | 42506000     | 1.84E-36 |
| chr1       | 42796001       | 42801000     | 9.27E-39 |
| chr1       | 42797001       | 42802000     | 1.66E-34 |
| chr1       | 42842001       | 42847000     | 2.91E-20 |
| chr1       | 42843001       | 42848000     | 3.35E-33 |
| chr1       | 42844001       | 42849000     | 1.82E-59 |
| chr1       | 42845001       | 42850000     | 1.66E-63 |
| chr1       | 42846001       | 42851000     | 2.16E-88 |
| chr1       | 43232001       | 43237000     | 1.04E-18 |
| chr1       | 43233001       | 43238000     | 2.92E-11 |
| chr1       | 43820001       | 43825000     | 7.41E-40 |
| chr1       | 43821001       | 43826000     | 5.61E-42 |
| chr1       | 43822001       | 43827000     | 5.57E-39 |
| chr1       | 43996001       | 44001000     | 2.06E-13 |
| chr1       | 43997001       | 44002000     | 5.46E-11 |
| chr1       | 44169001       | 44174000     | 4.00E-29 |
| chr1       | 44170001       | 44175000     | 6.85E-48 |
| chr1       | 44171001       | 44176000     | 6.15E-55 |
| chr1       | 44172001       | 44177000     | 1.02E-72 |
| chr1       | 44173001       | 44178000     | 2.30E-76 |
| chr1       | 44402001       | 44407000     | 1.02E-08 |
| chr1       | 44410001       | 44415000     | 2.22E-12 |
| chr1       | 44412001       | 44417000     | 3.52E-09 |
| chr1       | 44439001       | 44444000     | 2.22E-11 |
| chr1       | 44440001       | 44445000     | 5.58E-15 |
| chr1       | 44441001       | 44446000     | 2.88E-13 |
| chr1       | 44442001       | 44447000     | 1.18E-09 |
| chr1       | 44674001       | 44679000     | 6.63E-10 |
| chr1       | 44816001       | 44821000     | 4.69E-24 |
| chr1       | 44817001       | 44822000     | 1.03E-14 |
| chr1       | 44818001       | 44823000     | 2.02E-17 |
| chr1       | 44819001       | 44824000     | 1.88E-16 |
| chr1       | 44820001       | 44825000     | 2.53E-15 |
| chr1       | 44867001       | 44872000     | 8.65E-59 |
| chr1       | 44868001       | 44873000     | 1.29E-51 |
| chr1       | 44881001       | 44886000     | 1.03E-16 |
| chr1       | 44882001       | 44887000     | 1.19E-20 |
| chr1       | 44883001       | 44888000     | 1.75E-20 |
| chr1       | 45093001       | 45098000     | 1.14E-12 |
| chr1       | 45201001       | 45206000     | 2.36E-08 |
| chr1       | 45205001       | 45210000     | 8.34E-32 |
| chr1       | 45261001       | 45266000     | 7.93E-07 |
| chr1       | 45262001       | 45267000     | 1.05E-10 |
| chr1       | 45476001       | 45481000     | 2.72E-12 |
| chr1       | 45477001       | 45482000     | 3.25E-08 |
| chr1       | 45667001       | 45672000     | 1.73E-68 |
| chr1       | 45668001       | 45673000     | 3.04E-61 |
| Gene Name | Location | p-Value |
|-----------|----------|---------|
| chr1      | 45669001 | 3.01E-65 |
| chr1      | 45765001 | 7.92E-10 |
| chr1      | 45769001 | 4.65E-17 |
| chr1      | 45801001 | 4.28E-25 |
| chr1      | 45961001 | 9.78E-07 |
| chr1      | 45962001 | 1.03E-10 |
| chr1      | 45964001 | 3.23E-05 |
| chr1      | 45965001 | 6.24E-07 |
| chr1      | 45978001 | 9.57E-28 |
| chr1      | 45992001 | 8.61E-29 |
| chr1      | 46016001 | 1.37E-05 |
| chr1      | 46049001 | 2.38E-11 |
| chr1      | 46273001 | 1.82E-46 |
| chr1      | 46274000 | 5.21E-53 |
| chr1      | 46660001 | 1.52E-06 |
| chr1      | 46666000 | 3.77E-05 |
| chr1      | 46668000 | 3.65E-08 |
| chr1      | 46690000 | 6.09E-07 |
| chr1      | 46691000 | 4.06E-08 |
| chr1      | 46715000 | 2.23E-11 |
| chr1      | 46716000 | 3.59E-09 |
| chr1      | 46717000 | 1.66E-15 |
| chr1      | 46718000 | 8.75E-13 |
| chr1      | 46933000 | 3.27E-25 |
| chr1      | 46934000 | 4.76E-06 |
| chr1      | 46952000 | 1.27E-08 |
| chr1      | 46991000 | 4.26E-10 |
| chr1      | 47002000 | 1.09E-10 |
| chr1      | 47003000 | 2.00E-21 |
| chr1      | 47004000 | 5.21E-19 |
| chr1      | 47011000 | 1.71E-05 |
| chr1      | 47070000 | 2.15E-28 |
| chr1      | 47071000 | 9.79E-25 |
| chr1      | 47072000 | 9.24E-21 |
| chr1      | 47073000 | 8.69E-25 |
| chr1      | 47074000 | 3.63E-27 |
| chr1      | 47078000 | 0.000289304 |
| chr1      | 47085000 | 1.12E-08 |
| chr1      | 47086000 | 1.85E-05 |
| chr1      | 47087000 | 5.58E-08 |
| chr1      | 47134000 | 1.86E-12 |
| chr1      | 47137000 | 1.01E-10 |
| chr1      | 47138000 | 1.81E-13 |
| chr1      | 47139000 | 4.33E-08 |
| chr1      | 47188000 | 5.29E-18 |
| chr1      | 47462000 | 1.68E-11 |
| chr1      | 47509000 | 0.004757007 |
| chr1      | 47780000 | 7.25E-16 |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr1       | 47795001 | 47800000 | 2.11E-17 |
| chr1       | 47799001 | 47804000 | 5.14E-18 |
| chr1       | 47800001 | 47805000 | 1.49E-07 |
| chr1       | 47880001 | 47885000 | 7.55E-16 |
| chr1       | 47902001 | 47907000 | 5.71E-26 |
| chr1       | 47903001 | 47908000 | 3.33E-28 |
| chr1       | 47904001 | 47909000 | 3.26E-08 |
| chr1       | 47970001 | 47975000 | 1.58E-12 |
| chr1       | 47971001 | 47976000 | 1.77E-18 |
| chr1       | 47972001 | 47977000 | 2.60E-19 |
| chr1       | 47973001 | 47978000 | 2.05E-11 |
| chr1       | 48462001 | 48467000 | 6.27E-23 |
| chr1       | 48463001 | 48468000 | 8.68E-20 |
| chr1       | 48609001 | 48614000 | 1.45E-07 |
| chr1       | 48610001 | 48615000 | 3.98E-07 |
| chr1       | 48611001 | 48616000 | 7.72E-08 |
| chr1       | 48612001 | 48617000 | 4.22E-06 |
| chr1       | 48645001 | 48650000 | 8.77E-05 |
| chr1       | 48646001 | 48651000 | 4.71E-05 |
| chr1       | 48647001 | 48652000 | 0.000206982 |
| chr1       | 48747001 | 48752000 | 1.23E-05 |
| chr1       | 48748001 | 48753000 | 0.001928963 |
| chr1       | 48797001 | 48802000 | 1.29E-08 |
| chr1       | 49238001 | 49243000 | 9.40E-10 |
| chr1       | 49242001 | 49247000 | 8.46E-13 |
| chr1       | 49265001 | 49270000 | 0.001409723 |
| chr1       | 49266001 | 49271000 | 0.00026564 |
| chr1       | 49421001 | 49426000 | 0.006188665 |
| chr1       | 49424001 | 49429000 | 1.48E-05 |
| chr1       | 49425001 | 49430000 | 5.40E-05 |
| chr1       | 49426001 | 49431000 | 0.000305885 |
| chr1       | 49497001 | 49502000 | 0.010856472 |
| chr1       | 49591001 | 49596000 | 0.00079768 |
| chr1       | 49596001 | 49601000 | 2.98E-06 |
| chr1       | 49668001 | 49673000 | 6.53E-05 |
| chr1       | 49777001 | 49782000 | 0.000374818 |
| chr1       | 49778001 | 49783000 | 0.000491785 |
| chr1       | 49779001 | 49784000 | 0.00035145 |
| chr1       | 49931001 | 49936000 | 0.000712168 |
| chr1       | 49997001 | 50002000 | 3.23E-06 |
| chr1       | 50014001 | 50019000 | 3.81E-12 |
| chr1       | 50015001 | 50020000 | 9.39E-10 |
| chr1       | 50095001 | 50100000 | 0.001553942 |
| chr1       | 50096001 | 50101000 | 9.71E-05 |
| chr1       | 50097001 | 50102000 | 0.001940631 |
| chr1       | 50144001 | 50149000 | 8.73E-05 |
| chr1       | 50145001 | 50150000 | 0.00042982 |
| chr1       | 50146001 | 50151000 | 0.000404564 |
| Chr  | Start    | End      | p-value     |
|------|----------|----------|-------------|
| chr1 | 50297001 | 50302000 | 1.67E-09    |
| chr1 | 50370001 | 50375000 | 0.004881916 |
| chr1 | 50371001 | 50376000 | 0.002940071 |
| chr1 | 51421001 | 51426000 | 1.01E-58    |
| chr1 | 51439001 | 51444000 | 1.09E-50    |
| chr1 | 51473001 | 51478000 | 2.68E-05    |
| chr1 | 51981001 | 51986000 | 2.73E-26    |
| chr1 | 51982001 | 51987000 | 1.25E-14    |
| chr1 | 51983001 | 51988000 | 4.84E-20    |
| chr1 | 51984001 | 51989000 | 1.79E-25    |
| chr1 | 52082001 | 52087000 | 4.90E-13    |
| chr1 | 52339001 | 52344000 | 1.99E-21    |
| chr1 | 52452001 | 52457000 | 6.60E-19    |
| chr1 | 52453001 | 52458000 | 6.90E-08    |
| chr1 | 52454001 | 52459000 | 8.91E-06    |
| chr1 | 52455001 | 52460000 | 6.94E-06    |
| chr1 | 52456001 | 52461000 | 9.21E-07    |
| chr1 | 52494001 | 52499000 | 9.77E-20    |
| chr1 | 52495001 | 52500000 | 6.80E-25    |
| chr1 | 52496001 | 52501000 | 2.78E-23    |
| chr1 | 52497001 | 52502000 | 1.56E-28    |
| chr1 | 52498001 | 52503000 | 1.94E-36    |
| chr1 | 52499001 | 52504000 | 1.89E-25    |
| chr1 | 52603001 | 52608000 | 3.75E-16    |
| chr1 | 52832001 | 52837000 | 1.28E-26    |
| chr1 | 52833001 | 52838000 | 3.60E-28    |
| chr1 | 52834001 | 52839000 | 1.28E-24    |
| chr1 | 52870001 | 52875000 | 1.88E-15    |
| chr1 | 52885001 | 52890000 | 4.81E-10    |
| chr1 | 52887001 | 52892000 | 4.07E-05    |
| chr1 | 52888001 | 52893000 | 9.54E-05    |
| chr1 | 53161001 | 53166000 | 3.07E-19    |
| chr1 | 53192001 | 53197000 | 2.04E-13    |
| chr1 | 53304001 | 53309000 | 2.87E-22    |
| chr1 | 53305001 | 53310000 | 1.15E-23    |
| chr1 | 53306001 | 53311000 | 2.78E-33    |
| Chrm | Start | End   | Value          |
|------|-------|-------|----------------|
| chr1 | 53307001 | 53312000 | 4.91E-22     |
| chr1 | 53383001 | 53388000 | 2.28E-18     |
| chr1 | 53384001 | 53389000 | 9.72E-14     |
| chr1 | 53389001 | 53394000 | 7.05E-22     |
| chr1 | 53527001 | 53532000 | 0.000224427  |
| chr1 | 53658001 | 53663000 | 2.76E-19     |
| chr1 | 53686001 | 53691000 | 2.03E-19     |
| chr1 | 53700001 | 53705000 | 2.07E-09     |
| chr1 | 53703001 | 53708000 | 9.18E-12     |
| chr1 | 53704001 | 53709000 | 1.62E-15     |
| chr1 | 53788001 | 53793000 | 1.27E-30     |
| chr1 | 53790001 | 53795000 | 2.93E-29     |
| chr1 | 53790001 | 53795000 | 1.29E-25     |
| chr1 | 53793001 | 53798000 | 9.54E-08     |
| chr1 | 54202001 | 54207000 | 1.38E-13     |
| chr1 | 54203001 | 54208000 | 1.28E-17     |
| chr1 | 54204001 | 54209000 | 1.19E-25     |
| chr1 | 54205001 | 54210000 | 9.57E-17     |
| chr1 | 54299001 | 54304000 | 1.22E-36     |
| chr1 | 54300001 | 54305000 | 8.85E-34     |
| chr1 | 54407001 | 54412000 | 3.34E-33     |
| chr1 | 54666001 | 54671000 | 1.94E-21     |
| chr1 | 55003001 | 55008000 | 3.89E-11     |
| chr1 | 55924001 | 55929000 | 7.38E-05     |
| chr1 | 56061001 | 56066000 | 0.001096191  |
| chr1 | 56192001 | 56197000 | 0.00484883   |
| chr1 | 56852001 | 56857000 | 0.003419956  |
| chr1 | 57043001 | 57048000 | 1.18E-32     |
| chr1 | 57044001 | 57049000 | 2.58E-54     |
| chr1 | 57045001 | 57050000 | 5.00E-17     |
| chr1 | 57111001 | 57116000 | 9.92E-35     |
| chr1 | 57119001 | 57124000 | 0.011085846  |
| chr1 | 57246001 | 57251000 | 8.56E-05     |
| chr1 | 57253001 | 57258000 | 2.48E-07     |
| chr1 | 57337001 | 57342000 | 8.25E-06     |
| chr1 | 57358001 | 57363000 | 8.33E-05     |
| chr1 | 57366001 | 57371000 | 0.001816402  |
| chr1 | 57398001 | 57403000 | 2.95E-07     |
| chr1 | 57401001 | 57406000 | 0.00167218   |
| chr1 | 57511001 | 57516000 | 1.21E-05     |
| chr1 | 57579001 | 57584000 | 6.93E-06     |
| chr1 | 57605001 | 57610000 | 0.002187956  |
| chr1 | 57606001 | 57611000 | 2.09E-05     |
| chr1 | 57708001 | 57713000 | 0.00153994   |
| chr1 | 57710001 | 57715000 | 0.00030044   |
| chr1 | 57711001 | 57716000 | 0.000664528  |
| chr1 | 57727001 | 57732000 | 1.04E-09     |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr1       | 57728001 | 57733000 | 8.23E-12  |
| chr1       | 57743001 | 57748000 | 1.47E-06  |
| chr1       | 57744001 | 57749000 | 0.00032271 |
| chr1       | 57745001 | 57750000 | 0.000112885 |
| chr1       | 57746001 | 57751000 | 0.000129973 |
| chr1       | 57747001 | 57752000 | 6.35E-06  |
| chr1       | 57754001 | 57759000 | 1.31E-05  |
| chr1       | 57755001 | 57760000 | 7.29E-08  |
| chr1       | 57834001 | 57848000 | 3.09E-05  |
| chr1       | 57844001 | 57849000 | 5.24E-05  |
| chr1       | 57845001 | 57850000 | 3.33E-05  |
| chr1       | 57846001 | 57851000 | 0.000458234 |
| chr1       | 57847001 | 57852000 | 0.001944261 |
| chr1       | 57854001 | 57859000 | 6.66E-06  |
| chr1       | 57857001 | 57862000 | 1.95E-08  |
| chr1       | 57884001 | 57889000 | 1.73E-18  |
| chr1       | 57968001 | 57973000 | 0.000276624 |
| chr1       | 58012001 | 58017000 | 2.04E-07  |
| chr1       | 58013001 | 58018000 | 5.48E-07  |
| chr1       | 58016001 | 58021000 | 3.50E-07  |
| chr1       | 58019001 | 58024000 | 0.000409704 |
| chr1       | 58146001 | 58151000 | 1.03E-07  |
| chr1       | 58147001 | 58152000 | 1.24E-07  |
| chr1       | 58148001 | 58153000 | 1.58E-09  |
| chr1       | 58149001 | 58154000 | 3.02E-11  |
| chr1       | 58150001 | 58155000 | 1.44E-10  |
| chr1       | 58151001 | 58156000 | 2.39E-05  |
| chr1       | 58275001 | 58280000 | 0.000628739 |
| chr1       | 58276001 | 58281000 | 1.28E-05  |
| chr1       | 58715001 | 58720000 | 6.40E-23  |
| chr1       | 58824001 | 58829000 | 0.003525521 |
| chr1       | 58834001 | 58839000 | 8.02E-07  |
| chr1       | 58958001 | 58963000 | 7.41E-05  |
| chr1       | 59041001 | 59046000 | 2.43E-25  |
| chr1       | 59042001 | 59047000 | 2.58E-36  |
| chr1       | 59043001 | 59048000 | 6.98E-12  |
| chr1       | 59078001 | 59083000 | 9.80E-05  |
| chr1       | 59079001 | 59084000 | 0.000426121 |
| chr1       | 59161001 | 59166000 | 1.15E-13  |
| chr1       | 59162001 | 59167000 | 8.57E-21  |
| chr1       | 59163001 | 59168000 | 1.40E-26  |
| chr1       | 59164001 | 59169000 | 2.73E-36  |
| chr1       | 59165001 | 59170000 | 4.10E-36  |
| chr1       | 59249001 | 59254000 | 2.92E-15  |
| chr1       | 59250001 | 59255000 | 6.29E-16  |
| chr1       | 59282001 | 59287000 | 8.43E-33  |
| chr1       | 59365001 | 59370000 | 8.58E-22  |
| chr1       | 59612001 | 59617000 | 5.87E-22  |
| chr  | Start (bp) | End (bp) | Log_{10}(P-value) |
|------|------------|----------|-------------------|
| chr1 | 59613001   | 59618000 | 5.01E-10          |
| chr1 | 59684001   | 59689000 | 8.89E-05          |
| chr1 | 59685001   | 59690000 | 0.000100339       |
| chr1 | 59719001   | 59724000 | 2.02E-09          |
| chr1 | 59720001   | 59725000 | 6.99E-09          |
| chr1 | 59850001   | 59855000 | 2.80E-10          |
| chr1 | 60144001   | 60149000 | 0.005482185       |
| chr1 | 60276001   | 60281000 | 3.65E-34          |
| chr1 | 60277001   | 60282000 | 1.36E-27          |
| chr1 | 60278001   | 60283000 | 3.29E-29          |
| chr1 | 60279001   | 60284000 | 2.50E-28          |
| chr1 | 60280001   | 60285000 | 3.48E-30          |
| chr1 | 60388001   | 60393000 | 8.17E-12          |
| chr1 | 60500001   | 60505000 | 0.000704818       |
| chr1 | 60514001   | 60519000 | 0.000189047       |
| chr1 | 60519001   | 60524000 | 0.000267225       |
| chr1 | 60520001   | 60525000 | 0.000171339       |
| chr1 | 60835001   | 60840000 | 0.004966784       |
| chr1 | 60836001   | 60841000 | 0.007980796       |
| chr1 | 60912001   | 60917000 | 0.007424485       |
| chr1 | 60913001   | 60918000 | 0.003393545       |
| chr1 | 61021001   | 61026000 | 7.27E-05          |
| chr1 | 61022001   | 61027000 | 0.000394684       |
| chr1 | 61023001   | 61028000 | 0.00043558        |
| chr1 | 61060001   | 61065000 | 2.52E-18          |
| chr1 | 61061001   | 61066000 | 1.27E-14          |
| chr1 | 61062001   | 61067000 | 1.05E-16          |
| chr1 | 61063001   | 61068000 | 4.20E-12          |
| chr1 | 61064001   | 61069000 | 3.13E-09          |
| chr1 | 61231001   | 61236000 | 0.000659787       |
| chr1 | 61298001   | 61303000 | 1.51E-06          |
| chr1 | 61504001   | 61509000 | 1.78E-38          |
| chr1 | 61505001   | 61510000 | 2.67E-24          |
| chr1 | 61506001   | 61511000 | 4.34E-17          |
| chr1 | 61507001   | 61512000 | 1.12E-16          |
| chr1 | 61508001   | 61513000 | 3.47E-13          |
| chr1 | 61521001   | 61526000 | 6.53E-20          |
| chr1 | 61522001   | 61527000 | 1.05E-13          |
| chr1 | 61523001   | 61528000 | 2.91E-13          |
| chr1 | 61548001   | 61553000 | 8.69E-62          |
| chr1 | 61549001   | 61554000 | 1.40E-40          |
| chr1 | 62204001   | 62209000 | 2.31E-22          |
| chr1 | 62586001   | 62591000 | 2.86E-07          |
| chr1 | 62780001   | 62785000 | 3.78E-12          |
| chr1 | 62780101   | 62786000 | 2.25E-18          |
| chr1 | 62782001   | 62787000 | 3.28E-14          |
| chr1 | 62783001   | 62788000 | 1.13E-15          |
| chr1 | 62784001   | 62789000 | 9.25E-24          |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr1       | 62898001 | 62903000 | 1.61E-29 |
| chr1       | 63104001 | 63109000 | 0.000396956 |
| chr1       | 63105001 | 63110000 | 0.00046872 |
| chr1       | 63106001 | 63111000 | 0.001881151 |
| chr1       | 63149001 | 63154000 | 2.13E-25 |
| chr1       | 63150001 | 63155000 | 1.75E-44 |
| chr1       | 63151001 | 63156000 | 1.64E-32 |
| chr1       | 63152001 | 63157000 | 2.51E-25 |
| chr1       | 63154001 | 63159000 | 1.23E-12 |
| chr1       | 63238001 | 63243000 | 1.05E-08 |
| chr1       | 63239001 | 63244000 | 6.61E-05 |
| chr1       | 63245001 | 63250000 | 4.01E-26 |
| chr1       | 63246001 | 63251000 | 3.89E-22 |
| chr1       | 63247001 | 63252000 | 4.36E-26 |
| chr1       | 63248001 | 63253000 | 4.63E-24 |
| chr1       | 63249001 | 63254000 | 9.49E-28 |
| chr1       | 63250001 | 63255000 | 3.16E-07 |
| chr1       | 63557001 | 63562000 | 7.06E-05 |
| chr1       | 63558001 | 63563000 | 4.06E-05 |
| chr1       | 63559001 | 63564000 | 0.01938856 |
| chr1       | 63829001 | 63834000 | 1.51E-09 |
| chr1       | 63830001 | 63835000 | 3.45E-10 |
| chr1       | 63831001 | 63836000 | 3.34E-26 |
| chr1       | 63832001 | 63837000 | 8.62E-42 |
| chr1       | 63833001 | 63838000 | 1.60E-58 |
| chr1       | 63986001 | 63991000 | 4.83E-43 |
| chr1       | 63987001 | 63992000 | 1.27E-56 |
| chr1       | 63988001 | 63993000 | 1.14E-47 |
| chr1       | 63989001 | 63994000 | 1.53E-19 |
| chr1       | 64054001 | 64059000 | 3.01E-15 |
| chr1       | 64055001 | 64060000 | 3.13E-89 |
| chr1       | 64056001 | 64061000 | 2.09E-93 |
| chr1       | 64057001 | 64062000 | 3.90E-91 |
| chr1       | 64058001 | 64063000 | 3.02E-90 |
| chr1       | 64059001 | 64064000 | 3.33E-89 |
| chr1       | 64060001 | 64065000 | 3.30E-20 |
| chr1       | 64235001 | 64240000 | 2.56E-12 |
| chr1       | 64239001 | 64244000 | 4.08E-29 |
| chr1       | 64240001 | 64245000 | 1.17E-33 |
| chr1       | 64505001 | 64510000 | 0.0050125 |
| chr1       | 64764001 | 64769000 | 0.003300254 |
| chr1       | 64779001 | 64784000 | 3.50E-05 |
| chr1       | 64805001 | 64810000 | 0.000364933 |
| chr1       | 64843001 | 64848000 | 0.006660085 |
| chr1       | 64931001 | 64936000 | 1.97E-09 |
| chr1       | 64982001 | 64987000 | 0.005657283 |
| chr1       | 64983001 | 64988000 | 0.000301693 |
| chr1       | 65174001 | 65179000 | 0.000298293 |
|    |     |     |         |
|----|-----|-----|---------|
| chr1 | 65206001 | 65211000 | 6.17E-87 |
| chr1 | 65207001 | 65212000 | 1.54E-69 |
| chr1 | 65208001 | 65213000 | 9.45E-57 |
| chr1 | 65209001 | 65214000 | 3.32E-52 |
| chr1 | 65329001 | 65334000 | 5.49E-14 |
| chr1 | 65427001 | 65432000 | 4.84E-23 |
| chr1 | 65432001 | 65437000 | 3.31E-48 |
| chr1 | 65435001 | 65440000 | 2.92E-08 |
| chr1 | 65460001 | 65464000 | 6.23E-08 |
| chr1 | 65464001 | 65469000 | 2.45E-21 |
| chr1 | 65468001 | 65473000 | 1.32E-19 |
| chr1 | 65609001 | 65614000 | 1.10E-34 |
| chr1 | 65610001 | 65615000 | 2.75E-43 |
| chr1 | 65611001 | 65616000 | 6.65E-37 |
| chr1 | 65612001 | 65617000 | 3.10E-16 |
| chr1 | 65720001 | 65725000 | 1.06E-21 |
| chr1 | 65771001 | 65776000 | 7.57E-36 |
| chr1 | 65774001 | 65779000 | 6.02E-30 |
| chr1 | 65775001 | 65780000 | 1.92E-24 |
| chr1 | 65881001 | 65886000 | 1.62E-18 |
| chr1 | 66024001 | 66029000 | 4.73E-05 |
| chr1 | 66130001 | 66135000 | 9.81E-06 |
| chr1 | 66131001 | 66136000 | 1.56E-08 |
| chr1 | 66132001 | 66137000 | 8.12E-10 |
| chr1 | 66348001 | 66353000 | 0.014668185 |
| chr1 | 66437001 | 66442000 | 0.012131436 |
| chr1 | 66484001 | 66489000 | 2.92E-07 |
| chr1 | 66522001 | 66527000 | 0.022874457 |
| chr1 | 66523001 | 66528000 | 0.012527992 |
| chr1 | 66551001 | 66556000 | 0.002428456 |
| chr1 | 66999001 | 67004000 | 2.26E-09 |
| chr1 | 67270001 | 67275000 | 3.19E-07 |
| chr1 | 67271001 | 67276000 | 1.13E-07 |
| chr1 | 67311001 | 67316000 | 0.00301713 |
| chr1 | 67312001 | 67317000 | 0.00140318 |
| chr1 | 67313001 | 67318000 | 0.000655864 |
| chr1 | 67378001 | 67383000 | 1.27E-07 |
| chr1 | 67514001 | 67519000 | 8.29E-16 |
| chr1 | 67515001 | 67520000 | 6.34E-57 |
| chr1 | 67520001 | 67525000 | 1.35E-07 |
| chr1 | 67692001 | 67697000 | 0.00016897 |
| chr1 | 68147001 | 68152000 | 1.52E-49 |
| chr1 | 68150001 | 68155000 | 3.18E-49 |
| chr1 | 68151001 | 68156000 | 1.65E-54 |
| chr1 | 68152001 | 68157000 | 1.36E-44 |
| chr1 | 68298001 | 68303000 | 8.17E-50 |
| chr1 | 68299001 | 68304000 | 2.43E-32 |
| chr1 | 68698001 | 68703000 | 1.94E-10 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr1       | 68958001       | 68963000     | 1.05E-27 |
| chr1       | 68962001       | 68967000     | 3.47E-21 |
| chr1       | 68963001       | 68968000     | 2.91E-08 |
| chr1       | 68966001       | 68971000     | 2.94E-05 |
| chr1       | 69252001       | 69257000     | 4.98E-05 |
| chr1       | 69453001       | 69458000     | 0.000915166 |
| chr1       | 69460001       | 69465000     | 3.95E-06 |
| chr1       | 69701001       | 69706000     | 0.002757366 |
| chr1       | 70028001       | 70033000     | 5.83E-16 |
| chr1       | 70029001       | 70034000     | 1.23E-36 |
| chr1       | 70030001       | 70035000     | 5.51E-36 |
| chr1       | 70035001       | 70040000     | 2.74E-10 |
| chr1       | 70312001       | 70317000     | 0.001382078 |
| chr1       | 70815001       | 70820000     | 2.18E-23 |
| chr1       | 70816001       | 70821000     | 1.62E-59 |
| chr1       | 70817001       | 70822000     | 6.29E-50 |
| chr1       | 70818001       | 70823000     | 5.64E-45 |
| chr1       | 70819001       | 70824000     | 1.82E-40 |
| chr1       | 70820001       | 70825000     | 3.10E-49 |
| chr1       | 70872001       | 70877000     | 2.58E-26 |
| chr1       | 71341001       | 71346000     | 8.27E-05 |
| chr1       | 71369001       | 71374000     | 0.001714459 |
| chr1       | 71370001       | 71375000     | 0.001307892 |
| chr1       | 71542001       | 71547000     | 3.58E-16 |
| chr1       | 71543001       | 71548000     | 6.09E-15 |
| chr1       | 71614001       | 71619000     | 0.001110237 |
| chr1       | 71709001       | 71714000     | 0.000552745 |
| chr1       | 71753001       | 71758000     | 0.00033685 |
| chr1       | 72562001       | 72567000     | 0.003029266 |
| chr1       | 73880001       | 73885000     | 0.001085031 |
| chr1       | 73895001       | 73900000     | 0.00026631 |
| chr1       | 74109001       | 74114000     | 0.010266674 |
| chr1       | 74111001       | 74116000     | 0.010502869 |
| chr1       | 74373001       | 74378000     | 0.003105951 |
| chr1       | 74374001       | 74379000     | 0.001439757 |
| chr1       | 74490001       | 74495000     | 1.95E-07 |
| chr1       | 74491001       | 74496000     | 0.000204575 |
| chr1       | 74659001       | 74664000     | 6.30E-20 |
| chr1       | 74660001       | 74665000     | 7.04E-19 |
| chr1       | 74661001       | 74666000     | 1.53E-23 |
| chr1       | 74662001       | 74667000     | 5.44E-26 |
| chr1       | 74663001       | 74668000     | 2.83E-21 |
| chr1       | 74664001       | 74669000     | 4.97E-06 |
| chr1       | 74707001       | 74712000     | 0.000421642 |
| chr1       | 74737001       | 74742000     | 8.19E-06 |
| chr1       | 74748001       | 74753000     | 1.11E-07 |
| chr1       | 74750001       | 74755000     | 5.81E-06 |
| chr1 | 74751001 | 74756000 | 8.24E-05 |
|------|----------|----------|----------|
| chr1 | 74752001 | 74757000 | 1.50E-06 |
| chr1 | 74840001 | 74845000 | 0.026031511 |
| chr1 | 74841001 | 74846000 | 5.24E-06 |
| chr1 | 74850001 | 74855000 | 8.77E-07 |
| chr1 | 74851001 | 74856000 | 3.41E-06 |
| chr1 | 74852001 | 74857000 | 5.02E-05 |
| chr1 | 74853001 | 74858000 | 3.84E-06 |
| chr1 | 75120001 | 75125000 | 0.004491636 |
| chr1 | 75137001 | 75142000 | 7.15E-17 |
| chr1 | 75138001 | 75143000 | 2.46E-13 |
| chr1 | 75139001 | 75144000 | 1.69E-12 |
| chr1 | 75145001 | 75150000 | 0.002940372 |
| chr1 | 75151001 | 75156000 | 0.000373993 |
| chr1 | 75152001 | 75157000 | 0.000161118 |
| chr1 | 75153001 | 75158000 | 4.87E-05 |
| chr1 | 75194001 | 75199000 | 2.93E-14 |
| chr1 | 75297001 | 75302000 | 0.001617989 |
| chr1 | 75359001 | 75364000 | 4.92E-05 |
| chr1 | 76097001 | 76102000 | 5.64E-06 |
| chr1 | 76098001 | 76103000 | 1.44E-05 |
| chr1 | 76099001 | 76104000 | 0.000183435 |
| chr1 | 76100001 | 76105000 | 9.81E-05 |
| chr1 | 76185001 | 76190000 | 9.12E-08 |
| chr1 | 76186001 | 76191000 | 4.50E-61 |
| chr1 | 76187001 | 76192000 | 6.12E-50 |
| chr1 | 76188001 | 76193000 | 2.51E-43 |
| chr1 | 76189001 | 76194000 | 1.31E-26 |
| chr1 | 76190001 | 76195000 | 5.30E-20 |
| chr1 | 76427001 | 76432000 | 6.34E-05 |
| chr1 | 76429001 | 76434000 | 0.001135708 |
| chr1 | 76682001 | 76687000 | 0.002503774 |
| chr1 | 76683001 | 76688000 | 4.85E-07 |
| chr1 | 76962001 | 76967000 | 0.003255601 |
| chr1 | 76963001 | 76968000 | 1.66E-06 |
| chr1 | 76964001 | 76969000 | 1.76E-07 |
| chr1 | 76965001 | 76970000 | 6.12E-08 |
| chr1 | 76966001 | 76971000 | 7.23E-06 |
| chr1 | 76967001 | 76972000 | 7.30E-07 |
| chr1 | 77036001 | 77041000 | 0.023394385 |
| chr1 | 77114001 | 77119000 | 0.000161118 |
| chr1 | 77115001 | 77120000 | 0.000541345 |
| chr1 | 77197001 | 77202000 | 0.006527859 |
| chr1 | 77198001 | 77203000 | 8.68E-08 |
| chr1 | 77199001 | 77204000 | 2.44E-05 |
| chr1 | 77310001 | 77315000 | 0.0008438352 |
| chr1 | 77311001 | 77316000 | 0.000960568 |
| chr1 | 77329001 | 77334000 | 3.05E-49 |
| Chromosome | Start    | End      | p-value     |
|------------|----------|----------|-------------|
| chr1       | 77331001 | 77336000 | 2.09E-41    |
| chr1       | 77468001 | 77473000 | 2.08E-06    |
| chr1       | 77680001 | 77685000 | 1.08E-22    |
| chr1       | 77681001 | 77686000 | 5.32E-21    |
| chr1       | 77718001 | 77723000 | 0.000182694 |
| chr1       | 77719001 | 77724000 | 8.42E-05    |
| chr1       | 77744001 | 77749000 | 9.60E-32    |
| chr1       | 77843001 | 77848000 | 1.08E-05    |
| chr1       | 77844001 | 77849000 | 8.52E-07    |
| chr1       | 77845001 | 77850000 | 0.000095982 |
| chr1       | 78221001 | 78226000 | 2.20E-42    |
| chr1       | 78222001 | 78227000 | 4.63E-35    |
| chr1       | 78223001 | 78228000 | 5.40E-36    |
| chr1       | 78224001 | 78229000 | 2.12E-28    |
| chr1       | 78225001 | 78230000 | 3.95E-08    |
| chr1       | 78241001 | 78246000 | 1.16E-15    |
| chr1       | 78242001 | 78247000 | 1.91E-19    |
| chr1       | 78243001 | 78248000 | 3.37E-24    |
| chr1       | 78244001 | 78249000 | 3.06E-23    |
| chr1       | 78245001 | 78250000 | 2.99E-28    |
| chr1       | 78350001 | 78355000 | 9.00E-10    |
| chr1       | 78512001 | 78517000 | 4.94E-15    |
| chr1       | 78824001 | 78829000 | 1.24E-08    |
| chr1       | 78952001 | 78957000 | 9.05E-27    |
| chr1       | 79106001 | 79111000 | 0.001656508 |
| chr1       | 79107001 | 79112000 | 0.000206716 |
| chr1       | 79688001 | 79693000 | 0.000221168 |
| chr1       | 79689001 | 79694000 | 0.000574576 |
| chr1       | 80062001 | 80067000 | 0.005979099 |
| chr1       | 80064001 | 80069000 | 0.006874398 |
| chr1       | 80404001 | 80409000 | 2.05E-09    |
| chr1       | 80462001 | 80467000 | 9.32E-07    |
| chr1       | 80463001 | 80468000 | 1.66E-06    |
| chr1       | 80464001 | 80469000 | 9.57E-07    |
| chr1       | 80478001 | 80483000 | 0.000134826 |
| chr1       | 80479001 | 80484000 | 0.000305965 |
| chr1       | 81065001 | 81070000 | 0.002750209 |
| chr1       | 81251001 | 81256000 | 5.94E-06    |
| chr1       | 81252001 | 81257000 | 8.85E-08    |
| chr1       | 81253001 | 81258000 | 1.00E-07    |
| chr1       | 81442001 | 81447000 | 0.000704757 |
| chr1       | 81831001 | 81836000 | 0.002378381 |
| chr1       | 81832001 | 81837000 | 0.002378381 |
| chr1       | 81833001 | 81838000 | 0.002394114 |
| chr1       | 81897001 | 81902000 | 0.000434678 |
| chr1       | 81925001 | 81930000 | 0.005390305 |
| chr1       | 81926001 | 81931000 | 0.003001609 |
| chr1       | 82014001 | 82019000 | 0.000924917 |
| Chr  | Start | End    | p-value       |
|------|-------|--------|---------------|
| chr1 | 82056001 | 82061000 | 0.001919239   |
| chr1 | 82262001 | 82267000 | 2.24E-28      |
| chr1 | 82526001 | 82531000 | 0.001731707   |
| chr1 | 82858001 | 82863000 | 0.002178358   |
| chr1 | 82933001 | 82938000 | 0.006407362   |
| chr1 | 83316001 | 83321000 | 6.34E-06      |
| chr1 | 83386001 | 83391000 | 0.00211086    |
| chr1 | 83389001 | 83394000 | 0.002226113   |
| chr1 | 83801001 | 83806000 | 3.32E-05      |
| chr1 | 84019001 | 84024000 | 1.29E-06      |
| chr1 | 84020001 | 84025000 | 3.44E-07      |
| chr1 | 84185001 | 84190000 | 0.001501754   |
| chr1 | 84186001 | 84191000 | 0.000778675   |
| chr1 | 84187001 | 84192000 | 4.64E-05      |
| chr1 | 84257001 | 84262000 | 0.001669986   |
| chr1 | 84307001 | 84312000 | 0.016040357   |
| chr1 | 84322001 | 84327000 | 6.68E-27      |
| chr1 | 84323001 | 84328000 | 1.10E-32      |
| chr1 | 84324001 | 84329000 | 1.19E-30      |
| chr1 | 84325001 | 84330000 | 5.57E-28      |
| chr1 | 84326001 | 84331000 | 3.60E-32      |
| chr1 | 84460001 | 84465000 | 4.90E-37      |
| chr1 | 84462001 | 84467000 | 1.18E-46      |
| chr1 | 84463001 | 84468000 | 1.28E-35      |
| chr1 | 84539001 | 84544000 | 1.31E-70      |
| chr1 | 84540001 | 84545000 | 4.52E-57      |
| chr1 | 84541001 | 84546000 | 1.06E-65      |
| chr1 | 84542001 | 84547000 | 2.85E-65      |
| chr1 | 84543001 | 84548000 | 7.80E-77      |
| chr1 | 84544001 | 84549000 | 3.16E-46      |
| chr1 | 84768001 | 84773000 | 0.007440627   |
| chr1 | 84929001 | 84934000 | 0.000640854   |
| chr1 | 84942001 | 84947000 | 4.29E-21      |
| chr1 | 84943001 | 84948000 | 9.22E-24      |
| chr1 | 84944001 | 84949000 | 1.06E-21      |
| chr1 | 84945001 | 84950000 | 3.81E-21      |
| chr1 | 85004001 | 85009000 | 9.000976774   |
| chr1 | 85082001 | 85087000 | 6.89E-35      |
| chr1 | 85083001 | 85088000 | 8.60E-22      |
| chr1 | 85084001 | 85089000 | 2.13E-17      |
| chr1 | 85151001 | 85156000 | 1.09E-78      |
| chr1 | 85152001 | 85157000 | 6.13E-103     |
| chr1 | 85153001 | 85158000 | 1.52E-62      |
| chr1 | 85154001 | 85159000 | 2.16E-73      |
| chr1 | 85156001 | 85161000 | 2.02E-62      |
| chr1 | 85159001 | 85164000 | 9.77E-06      |
| chr1 | 85268001 | 85273000 | 1.63E-11      |
| Chr  | Start   | End     | P-value  |
|------|---------|---------|----------|
| chr1 | 85354001| 85359000| 1.85E-17 |
| chr1 | 85355001| 85360000| 3.10E-20 |
| chr1 | 85356001| 85361000| 4.68E-23 |
| chr1 | 85416001| 85421000| 1.02E-06 |
| chr1 | 85417001| 85422000| 9.66E-07 |
| chr1 | 85458001| 85463000| 1.23E-37 |
| chr1 | 85459001| 85464000| 1.54E-17 |
| chr1 | 85466001| 85471000| 0.001145615 |
| chr1 | 85478001| 85483000| 1.96E-05 |
| chr1 | 85509001| 85514000| 2.51E-26 |
| chr1 | 85510001| 85515000| 1.54E-49 |
| chr1 | 85511001| 85516000| 3.53E-53 |
| chr1 | 85512001| 85517000| 3.42E-41 |
| chr1 | 85513001| 85518000| 3.21E-24 |
| chr1 | 85514001| 85519000| 1.61E-34 |
| chr1 | 85526001| 85531000| 2.16E-10 |
| chr1 | 85528001| 85533000| 1.81E-06 |
| chr1 | 85570001| 85575000| 0.000303858 |
| chr1 | 85571001| 85576000| 6.50E-05 |
| chr1 | 85574001| 85579000| 0.000337552 |
| chr1 | 85575001| 85580000| 0.00042176 |
| chr1 | 85666001| 85671000| 7.46E-69 |
| chr1 | 85667001| 85672000| 7.91E-51 |
| chr1 | 85721001| 85726000| 1.91E-39 |
| chr1 | 85722001| 85727000| 4.99E-39 |
| chr1 | 85723001| 85728000| 6.82E-39 |
| chr1 | 85724001| 85729000| 1.61E-32 |
| chr1 | 85725001| 85730000| 3.78E-48 |
| chr1 | 85742001| 85747000| 8.11E-29 |
| chr1 | 85772001| 85777000| 9.80E-12 |
| chr1 | 85773001| 85778000| 2.33E-11 |
| chr1 | 85925001| 85930000| 1.15E-09 |
| chr1 | 85929001| 85934000| 9.25E-53 |
| chr1 | 85930001| 85935000| 2.35E-38 |
| chr1 | 86038001| 86043000| 1.96E-22 |
| chr1 | 86045001| 86050000| 1.41E-27 |
| chr1 | 86269001| 86274000| 0.011379736 |
| chr1 | 86270001| 86275000| 0.012180786 |
| chr1 | 86457001| 86462000| 0.00699587 |
| chr1 | 86738001| 86743000| 0.000136126 |
| chr1 | 86739001| 86744000| 8.56E-06 |
| chr1 | 86740001| 86745000| 7.41E-08 |
| chr1 | 86741001| 86746000| 9.81E-08 |
| chr1 | 86742001| 86747000| 9.98E-07 |
| chr1 | 86761001| 86766000| 1.92E-05 |
| chr1 | 86778001| 86783000| 0.000466369 |
| chr1 | 86857001| 86862000| 3.21E-67 |
| chr1 | 86858001| 86863000| 1.18E-51 |
| Chr | Start | End   | p-value |
|-----|-------|-------|---------|
| chr1 | 86859001 | 86864000 | 2.01E-57 |
| chr1 | 86860001 | 86865000 | 2.30E-58 |
| chr1 | 86861001 | 86866000 | 3.97E-32 |
| chr1 | 87039001 | 87044000 | 0.020598508 |
| chr1 | 87040001 | 87045000 | 0.01410638 |
| chr1 | 87041001 | 87046000 | 0.01475703 |
| chr1 | 87133001 | 87138000 | 0.017483426 |
| chr1 | 87166001 | 87171000 | 0.002058117 |
| chr1 | 87170001 | 87175000 | 0.01475703 |
| chr1 | 87291001 | 87296000 | 0.00461002 |
| chr1 | 87380001 | 87385000 | 1.53E-59 |
| chr1 | 87381001 | 87386000 | 8.94E-42 |
| chr1 | 88001001 | 88006000 | 0.000514269 |
| chr1 | 88134001 | 88139000 | 2.66E-05 |
| chr1 | 88419001 | 88424000 | 1.00E-06 |
| chr1 | 88487001 | 88492000 | 0.00018248 |
| chr1 | 88668001 | 88673000 | 0.000155433 |
| chr1 | 88723001 | 88728000 | 2.66E-13 |
| chr1 | 88724001 | 88729000 | 6.60E-15 |
| chr1 | 88725001 | 88730000 | 1.42E-14 |
| chr1 | 88726001 | 88731000 | 5.84E-16 |
| chr1 | 88748001 | 88753000 | 0.009495525 |
| chr1 | 88749001 | 88754000 | 0.002086555 |
| chr1 | 88838001 | 88843000 | 0.000851054 |
| chr1 | 88839001 | 88844000 | 1.37E-06 |
| chr1 | 88840001 | 88845000 | 0.000190098 |
| chr1 | 88851001 | 88856000 | 0.002383606 |
| chr1 | 88852001 | 88857000 | 0.000257491 |
| chr1 | 88855001 | 88860000 | 1.13E-06 |
| chr1 | 88895001 | 88900000 | 9.06E-05 |
| chr1 | 88896001 | 88901000 | 0.002097283 |
| chr1 | 88897001 | 88902000 | 0.000359927 |
| chr1 | 88927001 | 88932000 | 1.93E-30 |
| chr1 | 88988001 | 88993000 | 0.009385755 |
| chr1 | 88989001 | 88994000 | 0.007896566 |
| chr1 | 89025001 | 89030000 | 0.00465834 |
| chr1 | 89150001 | 89155000 | 6.16E-48 |
| chr1 | 89434001 | 89439000 | 0.0066399 |
| chr1 | 89551001 | 89556000 | 3.99E-08 |
| chr1 | 89552001 | 89557000 | 9.00E-08 |
| chr1 | 89601001 | 89606000 | 0.000962635 |
| chr1 | 89664001 | 89669000 | 1.45E-13 |
| chr1 | 89723001 | 89728000 | 0.000574235 |
| chr1 | 89724001 | 89729000 | 0.000706513 |
| Chr | Start | End   | P-value |
|-----|-------|-------|---------|
| chr1| 89725001 | 89730000 | 6.96E-05 |
| chr1| 89726001 | 89731000 | 2.83E-06 |
| chr1| 89796001 | 89801000 | 0.00207657 |
| chr1| 89797001 | 89802000 | 6.24E-05 |
| chr1| 89973001 | 89978000 | 0.003357017 |
| chr1| 89974001 | 89979000 | 0.010296641 |
| chr1| 89986001 | 89991000 | 6.86E-21 |
| chr1| 89990001 | 89995000 | 4.83E-29 |
| chr1| 90032001 | 90037000 | 2.31E-05 |
| chr1| 90094001 | 90099000 | 4.65E-32 |
| chr1| 90287001 | 90292000 | 1.44E-20 |
| chr1| 90307001 | 90312000 | 1.34E-23 |
| chr1| 90308001 | 90313000 | 3.12E-31 |
| chr1| 90309001 | 90314000 | 2.78E-44 |
| chr1| 90456001 | 90461000 | 8.25E-15 |
| chr1| 90461001 | 90466000 | 3.08E-24 |
| chr1| 90837001 | 90842000 | 4.70E-06 |
| chr1| 90928001 | 90933000 | 0.00095961 |
| chr1| 90930001 | 90935000 | 0.001360371 |
| chr1| 91058001 | 91063000 | 0.000926599 |
| chr1| 91059001 | 91064000 | 6.99E-05 |
| chr1| 91060001 | 91065000 | 1.08E-08 |
| chr1| 91076001 | 91081000 | 5.07E-05 |
| chr1| 91077001 | 91082000 | 0.000214785 |
| chr1| 91078001 | 91083000 | 1.94E-05 |
| chr1| 91248001 | 91253000 | 0.004830374 |
| chr1| 91571001 | 91576000 | 3.86E-10 |
| chr1| 91637001 | 91642000 | 9.34E-08 |
| chr1| 91765001 | 91770000 | 2.39E-05 |
| chr1| 91777001 | 91782000 | 0.00212337 |
| chr1| 91822001 | 91827000 | 0.000227893 |
| chr1| 91865001 | 91870000 | 5.42E-27 |
| chr1| 91866001 | 91871000 | 5.22E-47 |
| chr1| 91867001 | 91872000 | 3.54E-48 |
| chr1| 91868001 | 91873000 | 3.62E-40 |
| chr1| 91869001 | 91874000 | 1.59E-31 |
| chr1| 91870001 | 91875000 | 9.26E-25 |
| chr1| 91886001 | 91891000 | 1.57E-05 |
| chr1| 91962001 | 91967000 | 3.16E-34 |
| chr1| 91963001 | 91968000 | 2.00E-24 |
| chr1| 91964001 | 91969000 | 1.63E-36 |
| chr1| 91965001 | 91970000 | 1.03E-30 |
| chr1| 91966001 | 91971000 | 2.31E-33 |
| chr1| 92169001 | 92174000 | 0.000485716 |
| chr1| 92541001 | 92546000 | 2.45E-06 |
| chr1| 92545001 | 92550000 | 1.48E-22 |
| chr1| 92760001 | 92765000 | 1.88E-35 |
| chr1| 92762001 | 92767000 | 1.64E-44 |
| chr1 | 92763001 | 92768000 | 1.29E-48 |
|------|---------|---------|----------|
| chr1 | 92826001 | 92831000 | 3.31E-06 |
| chr1 | 92895001 | 92900000 | 2.26E-10 |
| chr1 | 92896001 | 92901000 | 1.02E-07 |
| chr1 | 92952001 | 92957000 | 9.76E-11 |
| chr1 | 93153001 | 93158000 | 3.70E-05 |
| chr1 | 93374001 | 93379000 | 2.24E-06 |
| chr1 | 93375001 | 93380000 | 3.20E-05 |
| chr1 | 93412001 | 93417000 | 0.00050949 |
| chr1 | 93426001 | 93431000 | 1.87E-22 |
| chr1 | 93427001 | 93432000 | 4.18E-22 |
| chr1 | 93645001 | 93650000 | 3.57E-44 |
| chr1 | 93646001 | 93651000 | 1.55E-41 |
| chr1 | 93650001 | 93655000 | 0.013639347 |
| chr1 | 93656001 | 93661000 | 0.000599046 |
| chr1 | 93807001 | 93812000 | 1.15E-34 |
| chr1 | 93913001 | 93918000 | 3.32E-50 |
| chr1 | 93914001 | 93919000 | 3.36E-32 |
| chr1 | 94145001 | 94150000 | 2.04E-30 |
| chr1 | 94146001 | 94151000 | 9.68E-41 |
| chr1 | 94147001 | 94152000 | 1.10E-50 |
| chr1 | 94269001 | 94274000 | 0.010472125 |
| chr1 | 94270001 | 94275000 | 0.023847908 |
| chr1 | 94311001 | 94316000 | 1.94E-38 |
| chr1 | 94312001 | 94317000 | 7.56E-53 |
| chr1 | 94313001 | 94318000 | 1.48E-31 |
| chr1 | 94370001 | 94375000 | 1.08E-40 |
| chr1 | 94703001 | 94708000 | 1.21E-38 |
| chr1 | 94708001 | 94713000 | 5.94E-40 |
| chr1 | 94709001 | 94714000 | 1.79E-49 |
| chr1 | 94710001 | 94715000 | 3.55E-58 |
| chr1 | 94711001 | 94716000 | 1.86E-56 |
| chr1 | 94712001 | 94717000 | 3.25E-39 |
| chr1 | 94713001 | 94718000 | 5.04E-58 |
| chr1 | 94879001 | 94884000 | 9.65E-53 |
| chr1 | 94884001 | 94889000 | 3.96E-50 |
| chr1 | 95007001 | 95012000 | 1.70E-32 |
| chr1 | 95281001 | 95286000 | 9.35E-18 |
| chr1 | 95391001 | 95396000 | 3.22E-23 |
| chr1 | 95392001 | 95397000 | 1.78E-39 |
| chr1 | 95579001 | 95584000 | 3.61E-48 |
| chr1 | 95583001 | 95588000 | 5.46E-44 |
| chr1 | 95695001 | 95700000 | 2.74E-42 |
| chr1 | 95696001 | 95701000 | 8.20E-45 |
| chr1 | 95697001 | 95702000 | 6.75E-58 |
| chr1 | 95698001 | 95703000 | 1.42E-41 |
| chr1 | 95699001 | 95704000 | 1.79E-35 |
| chr1 | 95700001 | 95705000 | 4.05E-24 |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|-------------|---------|
| chr1       | 95827001       | 95832000    | 0.001244485 |
| chr1       | 95923001       | 95928000    | 9.82E-07 |
| chr1       | 95924001       | 95929000    | 2.13E-07 |
| chr1       | 96209001       | 96214000    | 0.002087849 |
| chr1       | 96345001       | 96350000    | 0.00158387 |
| chr1       | 96414001       | 96419000    | 1.30E-06 |
| chr1       | 96415001       | 96420000    | 9.68E-09 |
| chr1       | 96416001       | 96421000    | 2.79E-10 |
| chr1       | 96427001       | 96432000    | 0.002051103 |
| chr1       | 96428001       | 96433000    | 0.002610933 |
| chr1       | 96429001       | 96434000    | 0.000679159 |
| chr1       | 97075001       | 97080000    | 0.00208836 |
| chr1       | 97183001       | 97188000    | 2.32E-37 |
| chr1       | 97184001       | 97189000    | 2.43E-32 |
| chr1       | 97185001       | 97190000    | 5.93E-35 |
| chr1       | 97186001       | 97191000    | 6.92E-33 |
| chr1       | 97187001       | 97192000    | 4.66E-27 |
| chr1       | 97275001       | 97280000    | 3.07E-07 |
| chr1       | 97359001       | 97364000    | 0.000623335 |
| chr1       | 97360001       | 97365000    | 1.41E-05 |
| chr1       | 97361001       | 97366000    | 7.90E-06 |
| chr1       | 97362001       | 97367000    | 1.58E-05 |
| chr1       | 97363001       | 97368000    | 9.98E-05 |
| chr1       | 97470001       | 97475000    | 3.30E-06 |
| chr1       | 97471001       | 97476000    | 8.71E-06 |
| chr1       | 97472001       | 97477000    | 3.93E-07 |
| chr1       | 98080001       | 98085000    | 8.47E-07 |
| chr1       | 98081001       | 98086000    | 6.97E-07 |
| chr1       | 98082001       | 98087000    | 1.72E-07 |
| chr1       | 98083001       | 98088000    | 1.87E-06 |
| chr1       | 98371001       | 98376000    | 0.003314667 |
| chr1       | 98372001       | 98377000    | 0.00057069 |
| chr1       | 98386001       | 98391000    | 3.70E-42 |
| chr1       | 98518001       | 98523000    | 1.17E-26 |
| chr1       | 98519001       | 98524000    | 4.54E-35 |
| chr1       | 99123001       | 99128000    | 4.69E-28 |
| chr1       | 99126001       | 99131000    | 5.93E-39 |
| chr1       | 99127001       | 99132000    | 1.03E-42 |
| chr1       | 99252001       | 99257000    | 6.46E-06 |
| chr1       | 99253001       | 99258000    | 0.000133721 |
| chr1       | 99254001       | 99259000    | 0.000633054 |
| chr1       | 99255001       | 99260000    | 0.005286862 |
| chr1       | 99332001       | 99337000    | 0.005951589 |
| chr1       | 99333001       | 99338000    | 8.70E-05 |
| chr1       | 99334001       | 99339000    | 1.95E-05 |
| chr1       | 99335001       | 99340000    | 3.74E-05 |
| chr1       | 99342001       | 99347000    | 5.60E-11 |
| chr1       | 99465001       | 99470000    | 1.69E-15 |
| Chromosome | Start Position | End Position | p-value  |
|------------|----------------|--------------|----------|
| chr1       | 99466001       | 99471000     | 8.52E-40 |
| chr1       | 99467001       | 99472000     | 1.58E-37 |
| chr1       | 99468001       | 99473000     | 6.89E-31 |
| chr1       | 99631001       | 99636000     | 0.005405782 |
| chr1       | 99673001       | 99678000     | 1.18E-05 |
| chr1       | 99675001       | 99680000     | 0.005931491 |
| chr1       | 99763001       | 99768000     | 0.003197303 |
| chr1       | 99968001       | 99973000     | 7.98E-06 |
| chr1       | 100311001      | 100316000    | 7.34E-24 |
| chr1       | 100431001      | 100436000    | 1.75E-21 |
| chr1       | 100504001      | 100509000    | 1.20E-40 |
| chr1       | 100594001      | 100599000    | 1.05E-32 |
| chr1       | 100599001      | 100604000    | 8.54E-16 |
| chr1       | 100727001      | 100732000    | 6.39E-73 |
| chr1       | 100728001      | 100733000    | 2.01E-73 |
| chr1       | 100729001      | 100734000    | 9.24E-62 |
| chr1       | 100730001      | 100735000    | 2.01E-40 |
| chr1       | 100859001      | 100864000    | 2.95E-10 |
| chr1       | 101001001      | 101006000    | 1.25E-18 |
| chr1       | 101002001      | 101007000    | 2.91E-25 |
| chr1       | 101003001      | 101008000    | 1.50E-28 |
| chr1       | 101004001      | 101009000    | 1.35E-26 |
| chr1       | 101005001      | 101010000    | 5.13E-43 |
| chr1       | 101006001      | 101011000    | 0.000734053 |
| chr1       | 101044001      | 101049000    | 0.000534299 |
| chr1       | 101045001      | 101050000    | 0.009664274 |
| chr1       | 101062001      | 101067000    | 1.88E-05 |
| chr1       | 101063001      | 101068000    | 6.74E-06 |
| chr1       | 101361001      | 101366000    | 4.25E-36 |
| chr1       | 101362001      | 101367000    | 2.85E-19 |
| chr1       | 101487001      | 101492000    | 5.75E-41 |
| chr1       | 101488001      | 101493000    | 5.90E-32 |
| chr1       | 101489001      | 101494000    | 1.52E-26 |
| chr1       | 101490001      | 101495000    | 4.43E-23 |
| chr1       | 101491001      | 101496000    | 1.63E-25 |
| chr1       | 101581001      | 101586000    | 0.009027447 |
| chr1       | 101582001      | 101587000    | 0.007725249 |
| chr1       | 101725001      | 101730000    | 0.001262168 |
| chr1       | 101726001      | 101731000    | 0.000341449 |
| chr1       | 101853001      | 101858000    | 0.005045412 |
| chr1       | 102001001      | 102006000    | 0.000553222 |
| chr1       | 102002001      | 102007000    | 0.003812091 |
| chr1       | 102003001      | 102008000    | 0.000181621 |
| chr1       | 102138001      | 102143000    | 0.000901528 |
| chr1       | 102139001      | 102144000    | 0.009434126 |
| chr1       | 102162001      | 102167000    | 0.003021669 |
| chr1       | 102163001      | 102168000    | 0.00252761 |
| chr1       | 102164001      | 102169000    | 0.002463302 |
| Chromosome | Start | End | Value  |
|------------|-------|-----|--------|
| chr1       | 102185001 | 102190000 | 0.000249304  |
| chr1       | 102190001 | 102195000 | 2.95E-05     |
| chr1       | 103073001 | 103078000 | 0.017348096  |
| chr1       | 103078001 | 103083000 | 0.027247393  |
| chr1       | 103079001 | 103084000 | 0.022951026  |
| chr1       | 103240001 | 103245000 | 1.53E-05     |
| chr1       | 103241001 | 103246000 | 0.001518684  |
| chr1       | 103330001 | 103335000 | 0.000226339  |
| chr1       | 103508001 | 103513000 | 0.002540516  |
| chr1       | 103509001 | 103514000 | 0.000257626  |
| chr1       | 104391001 | 104396000 | 0.002312994  |
| chr1       | 104392001 | 104397000 | 5.88E-05     |
| chr1       | 104498001 | 104503000 | 4.53E-06     |
| chr1       | 104640001 | 104645000 | 1.28E-05     |
| chr1       | 104798001 | 104803000 | 0.002745233  |
| chr1       | 106118001 | 106123000 | 0.00138691   |
| chr1       | 106438001 | 106443000 | 0.000668591  |
| chr1       | 106439001 | 106444000 | 0.000616163  |
| chr1       | 106440001 | 106445000 | 0.00169149   |
| chr1       | 107546001 | 107551000 | 0.000410895  |
| chr1       | 107595001 | 107600000 | 1.01E-126    |
| chr1       | 107596001 | 107601000 | 7.33E-89     |
| chr1       | 107597001 | 107602000 | 2.62E-79     |
| chr1       | 107598001 | 107603000 | 1.54E-81     |
| chr1       | 107599001 | 107604000 | 3.60E-57     |
| chr1       | 107600001 | 107605000 | 2.52E-32     |
| chr1       | 107716001 | 107721000 | 0.000192606  |
| chr1       | 107717001 | 107722000 | 0.000122196  |
| chr1       | 107718001 | 107723000 | 0.000296832  |
| chr1       | 107719001 | 107724000 | 0.000209867  |
| chr1       | 107720001 | 107725000 | 0.00017374   |
| chr1       | 107862001 | 107867000 | 0.000232033  |
| chr1       | 108131001 | 108136000 | 0.015215309  |
| chr1       | 108246001 | 108251000 | 0.004084028  |
| chr1       | 108453001 | 108458000 | 0.00026614   |
| chr1       | 108490001 | 108495000 | 0.003047298  |
| chr1       | 108697001 | 108702000 | 1.41E-06     |
| chr1       | 108743001 | 108748000 | 8.42E-21     |
| chr1       | 109199001 | 109204000 | 1.02E-29     |
| chr1       | 109200001 | 109205000 | 5.78E-37     |
| chr1       | 109201001 | 109206000 | 8.30E-44     |
| chr1       | 109202001 | 109207000 | 1.92E-34     |
| chr1       | 109203001 | 109208000 | 3.66E-26     |
| chr1       | 109204001 | 109209000 | 5.24E-16     |
| chr1       | 109230001 | 109235000 | 2.47E-23     |
| chr1       | 109285001 | 109290000 | 2.74E-35     |
| Chromosome | Start Position | End Position | p-value       |
|------------|----------------|--------------|---------------|
| chr1       | 109286001      | 109291000    | 3.69E-37      |
| chr1       | 109287001      | 109292000    | 4.91E-32      |
| chr1       | 109288001      | 109293000    | 6.40E-46      |
| chr1       | 109289001      | 109294000    | 4.20E-44      |
| chr1       | 109415001      | 109420000    | 6.35E-38      |
| chr1       | 109416001      | 109421000    | 3.10E-27      |
| chr1       | 109417001      | 109422000    | 1.34E-40      |
| chr1       | 109418001      | 109423000    | 2.88E-34      |
| chr1       | 109501001      | 109506000    | 1.56E-36      |
| chr1       | 109502001      | 109507000    | 2.52E-40      |
| chr1       | 109580001      | 109585000    | 1.72E-20      |
| chr1       | 109581001      | 109586000    | 1.56E-36      |
| chr1       | 109582001      | 109587000    | 5.18E-36      |
| chr1       | 109583001      | 109588000    | 2.65E-43      |
| chr1       | 109584001      | 109589000    | 7.12E-40      |
| chr1       | 109640001      | 109645000    | 3.83E-14      |
| chr1       | 109641001      | 109646000    | 2.98E-17      |
| chr1       | 109642001      | 109647000    | 2.48E-16      |
| chr1       | 109752001      | 109757000    | 9.54E-20      |
| chr1       | 109753001      | 109758000    | 6.48E-27      |
| chr1       | 109754001      | 109759000    | 4.19E-30      |
| chr1       | 109821001      | 109826000    | 6.26E-09      |
| chr1       | 109940001      | 109945000    | 1.36E-24      |
| chr1       | 109969001      | 109974000    | 5.48E-18      |
| chr1       | 110051001      | 110056000    | 2.28E-11      |
| chr1       | 110052001      | 110057000    | 4.19E-30      |
| chr1       | 110158001      | 110163000    | 3.13E-20      |
| chr1       | 110159001      | 110164000    | 6.87E-22      |
| chr1       | 110523001      | 110528000    | 4.54E-21      |
| chr1       | 110524001      | 110529000    | 1.05E-17      |
| chr1       | 110525001      | 110530000    | 1.16E-31      |
| chr1       | 110526001      | 110531000    | 2.11E-24      |
| chr1       | 110527001      | 110532000    | 1.61E-32      |
| chr1       | 110575001      | 110580000    | 3.32E-34      |
| chr1       | 110576001      | 110581000    | 3.56E-32      |
| chr1       | 110577001      | 110582000    | 1.24E-27      |
| chr1       | 110612001      | 110617000    | 1.42E-10      |
| chr1       | 110613001      | 110618000    | 7.03E-11      |
| chr1       | 110749001      | 110754000    | 9.89E-14      |
| chr1       | 110876001      | 110881000    | 4.30E-24      |
| chr1       | 111221001      | 111226000    | 3.97E-05      |
| chr1       | 111222001      | 111227000    | 8.31E-08      |
| chr1       | 111223001      | 111228000    | 5.58E-07      |
| chr1       | 111360001      | 111365000    | 0.0157872     |
| chr1       | 111501001      | 111506000    | 2.80E-15      |
| chr1       | 111502001      | 111507000    | 4.20E-52      |
| chr1       | 111503001      | 111508000    | 3.61E-43      |
| chr1       | 111504001      | 111509000    | 1.09E-24      |
| Chr | Start | End  | P-value          |
|-----|-------|------|------------------|
| chr1| 111519001 | 111524000 | 0.00053314       |
| chr1| 111520001 | 111525000 | 0.000606007      |
| chr1| 111683001 | 111688000 | 8.66E-26         |
| chr1| 111745001 | 111750000 | 3.38E-25         |
| chr1| 111746001 | 111751000 | 9.57E-40         |
| chr1| 111747001 | 111752000 | 5.23E-30         |
| chr1| 111856001 | 111861000 | 9.59E-08         |
| chr1| 111857001 | 111862000 | 4.86E-07         |
| chr1| 111880001 | 111885000 | 2.37E-09         |
| chr1| 111881001 | 111886000 | 8.15E-11         |
| chr1| 111882001 | 111887000 | 1.11E-16         |
| chr1| 111883001 | 111888000 | 1.08E-16         |
| chr1| 111884001 | 111889000 | 2.17E-33         |
| chr1| 111885001 | 111890000 | 5.45E-69         |
| chr1| 111886001 | 111891000 | 1.80E-53         |
| chr1| 111887001 | 111892000 | 4.73E-39         |
| chr1| 111888001 | 111893000 | 1.89E-25         |
| chr1| 111889001 | 111894000 | 3.20E-27         |
| chr1| 111930001 | 111935000 | 0.000576336      |
| chr1| 111931001 | 111936000 | 0.003668751      |
| chr1| 112046001 | 112051000 | 8.08E-13         |
| chr1| 112158001 | 112163000 | 3.34E-30         |
| chr1| 112159001 | 112164000 | 5.94E-22         |
| chr1| 112160001 | 112165000 | 1.10E-25         |
| chr1| 112161001 | 112166000 | 8.79E-38         |
| chr1| 112162001 | 112167000 | 4.85E-56         |
| chr1| 112277001 | 112282000 | 7.71E-15         |
| chr1| 112294001 | 112299000 | 5.94E-18         |
| chr1| 112532001 | 112537000 | 3.10E-13         |
| chr1| 112647001 | 112652000 | 0.014976487      |
| chr1| 112758001 | 112763000 | 2.50E-06         |
| chr1| 113014001 | 113019000 | 3.50E-09         |
| chr1| 113015001 | 113020000 | 1.27E-08         |
| chr1| 113040001 | 113045000 | 1.04E-36         |
| chr1| 113041001 | 113046000 | 8.64E-32         |
| chr1| 113042001 | 113047000 | 1.88E-24         |
| chr1| 113049001 | 113054000 | 4.75E-07         |
| chr1| 113213001 | 113218000 | 3.19E-32         |
| chr1| 113215001 | 113220000 | 8.27E-41         |
| chr1| 113216001 | 113221000 | 1.17E-51         |
| chr1| 113217001 | 113222000 | 1.87E-64         |
| chr1| 113218001 | 113223000 | 5.29E-13         |
| chr1| 113249001 | 113254000 | 8.42E-15         |
| chr1| 113957001 | 113962000 | 1.25E-09         |
| chr1| 114301001 | 114306000 | 1.13E-29         |
| chr1| 114302001 | 114307000 | 2.18E-38         |
| chr1| 114350001 | 114355000 | 3.61E-56         |
| chr1| 114354001 | 114359000 | 3.47E-42         |
| Chr  | Start  | End    | Score  |
|------|--------|--------|--------|
| chr1 | 11435001 | 11436000 | 2.32E-12 |
| chr1 | 11443001 | 11444800 | 4.60E-33 |
| chr1 | 11444001 | 11444900 | 8.16E-35 |
| chr1 | 11445001 | 11445000 | 8.58E-13 |
| chr1 | 11446001 | 11445100 | 6.65E-25 |
| chr1 | 11447001 | 11445200 | 3.17E-27 |
| chr1 | 11484001 | 11484800 | 1.37E-15 |
| chr1 | 11484401 | 11484900 | 9.57E-18 |
| chr1 | 11520800 | 11521300 | 1.29E-40 |
| chr1 | 11520900 | 11521400 | 2.10E-31 |
| chr1 | 11521100 | 11521600 | 3.33E-42 |
| chr1 | 11521200 | 11521700 | 1.60E-71 |
| chr1 | 11521300 | 11521800 | 5.51E-34 |
| chr1 | 11521500 | 11522000 | 0.001478999 |
| chr1 | 11525500 | 11526000 | 1.80E-20 |
| chr1 | 11531800 | 11532300 | 1.12E-23 |
| chr1 | 11531900 | 11532400 | 1.25E-64 |
| chr1 | 11532000 | 11532500 | 6.92E-49 |
| chr1 | 11532100 | 11532600 | 1.40E-53 |
| chr1 | 11532200 | 11532700 | 3.73E-37 |
| chr1 | 11532300 | 11532800 | 9.61E-31 |
| chr1 | 11537700 | 11538200 | 1.61E-06 |
| chr1 | 11537800 | 11538300 | 0.000461607 |
| chr1 | 11547900 | 11548400 | 8.82E-08 |
| chr1 | 11557300 | 11557800 | 0.009174637 |
| chr1 | 11562800 | 11563300 | 4.28E-09 |
| chr1 | 11562900 | 11563400 | 5.44E-15 |
| chr1 | 11563000 | 11563500 | 6.34E-23 |
| chr1 | 11563100 | 11563600 | 2.88E-18 |
| chr1 | 11563200 | 11563700 | 9.93E-19 |
| chr1 | 11565100 | 11565600 | 3.29E-13 |
| chr1 | 11584900 | 11585400 | 0.019627651 |
| chr1 | 11637700 | 11638200 | 1.55E-30 |
| chr1 | 11651400 | 11651900 | 1.51E-21 |
| chr1 | 11651500 | 11652000 | 5.65E-33 |
| chr1 | 11651600 | 11652100 | 2.68E-41 |
| chr1 | 11651700 | 11652200 | 8.17E-39 |
| chr1 | 11651800 | 11652300 | 2.04E-44 |
| chr1 | 11651900 | 11652400 | 2.92E-32 |
| chr1 | 11662200 | 11662700 | 9.61E-05 |
| chr1 | 11662300 | 11662800 | 9.86E-06 |
| chr1 | 11669000 | 11669500 | 3.13E-18 |
| chr1 | 11669100 | 11669600 | 1.18E-14 |
| chr1 | 11669200 | 11669700 | 3.53E-14 |
| chr1 | 11669300 | 11669800 | 3.48E-15 |
| chr1 | 11669400 | 11669900 | 4.75E-18 |
| chr1 | 11675500 | 11676000 | 0.000336483 |
| Chr  | Start Position | End Position | Log10(P) |
|------|----------------|--------------|----------|
| chr1 | 117108001      | 117113000    | 5.98E-14 |
| chr1 | 117448001      | 117453000    | 5.69E-30 |
| chr1 | 117449001      | 117454000    | 8.90E-29 |
| chr1 | 117451001      | 117456000    | 8.51E-38 |
| chr1 | 117453001      | 117458000    | 2.09E-22 |
| chr1 | 117662001      | 117667000    | 8.92E-14 |
| chr1 | 117664001      | 117669000    | 9.77E-42 |
| chr1 | 118415001      | 118420000    | 0.000744771 |
| chr1 | 118467001      | 118472000    | 2.37E-17 |
| chr1 | 118472001      | 118477000    | 2.14E-39 |
| chr1 | 118564001      | 118569000    | 0.000928684 |
| chr1 | 118565001      | 118570000    | 0.000764888 |
| chr1 | 118566001      | 118571000    | 0.002370978 |
| chr1 | 118567001      | 118572000    | 0.000958805 |
| chr1 | 118568001      | 118573000    | 0.001367976 |
| chr1 | 118576001      | 118581000    | 0.005329783 |
| chr1 | 118723001      | 118728000    | 1.18E-11 |
| chr1 | 118724001      | 118729000    | 1.19E-13 |
| chr1 | 118725001      | 118730000    | 3.58E-14 |
| chr1 | 118727001      | 118732000    | 1.46E-11 |
| chr1 | 119083001      | 119088000    | 2.25E-05 |
| chr1 | 119194001      | 119199000    | 0.000305095 |
| chr1 | 119195001      | 119200000    | 7.57E-08 |
| chr1 | 119196001      | 119201000    | 1.06E-07 |
| chr1 | 119214001      | 119219000    | 5.88E-05 |
| chr1 | 119215001      | 119220000    | 0.000121115 |
| chr1 | 119281001      | 119286000    | 0.000168893 |
| chr1 | 119282001      | 119287000    | 0.008808197 |
| chr1 | 119292001      | 119297000    | 2.54E-09 |
| chr1 | 119293001      | 119298000    | 0.000275342 |
| chr1 | 119434001      | 119439000    | 0.004423318 |
| chr1 | 119474001      | 119479000    | 0.011883299 |
| chr1 | 119550001      | 119555000    | 1.80E-10 |
| chr1 | 119601001      | 119606000    | 3.76E-07 |
| chr1 | 119738001      | 119743000    | 0.000185748 |
| chr1 | 119796001      | 119801000    | 0.001274466 |
| chr1 | 119952001      | 119957000    | 0.026849312 |
| chr1 | 120186001      | 120191000    | 1.01E-33 |
| chr1 | 120188001      | 120193000    | 1.28E-38 |
| chr1 | 120189001      | 120194000    | 1.65E-46 |
| chr1 | 120190001      | 120195000    | 5.31E-39 |
| chr1 | 120191001      | 120196000    | 7.75E-26 |
| chr1 | 120612001      | 120617000    | 1.61E-50 |
| chr1 | 121203001      | 121208000    | 0.000213924 |
| chr1 | 121223001      | 121228000    | 0.000703964 |
| chr1 | 121224001      | 121229000    | 0.010856472 |
| Chr  | Start    | End      | Value       |
|------|----------|----------|-------------|
| chr1 | 121257001| 12126000 | 5.69E-26    |
| chr1 | 121258001| 12126000 | 5.11E-20    |
| chr1 | 121259001| 121264000| 2.29E-05    |
| chr1 | 121257001| 12126000 | 0.004414142 |
| chr1 | 121258001| 121263000| 8.51E-06    |
| chr1 | 121259001| 121264000| 2.29E-20    |
| chr1 | 121257001| 12126000 | 7.30E-11    |
| chr1 | 121258001| 121263000| 1.50E-13    |
| chr1 | 121259001| 121264000| 5.28E-81    |
| chr1 | 121257001| 12126000 | 8.55E-88    |
| chr1 | 121258001| 121263000| 2.45E-40    |
| chr1 | 121259001| 121264000| 3.75E-24    |
| chr1 | 121257001| 12126000 | 1.19E-06    |
| chr1 | 121258001| 121263000| 4.29E-05    |
| chr1 | 121259001| 121264000| 4.29E-11    |
| chr1 | 121257001| 12126000 | 0.000285204 |
| chr1 | 121258001| 121263000| 1.19E-06    |
| chr1 | 121259001| 121264000| 1.19E-11    |
| chr1 | 121257001| 12126000 | 7.91E-92    |
| chr1 | 121258001| 121263000| 7.91E-92    |
| chr1 | 121259001| 121264000| 7.91E-92    |
| chr1 | 121257001| 12126000 | 3.27E-24    |
| chr1 | 121258001| 121263000| 1.65E-41    |
| chr1 | 121259001| 121264000| 2.26E-57    |
| chr1 | 121257001| 12126000 | 2.83E-28    |
| chr1 | 121258001| 121263000| 3.11E-10    |
| chr1 | 121259001| 121264000| 3.02E-20    |
| chr1 | 121257001| 12126000 | 3.02E-20    |
| chr1 | 121258001| 121263000| 3.02E-20    |
| chr1 | 121259001| 121264000| 2.70E-26    |
| chr1 | 121257001| 12126000 | 2.41E-38    |
| chr1 | 121258001| 121263000| 5.06E-63    |
| chr1 | 121259001| 121264000| 5.06E-63    |
| chr1 | 121257001| 12126000 | 6.81E-49    |
| chr1 | 121258001| 121263000| 1.14E-43    |
| chr1 | 121259001| 121264000| 7.99E-41    |
| chr1 | 121257001| 12126000 | 7.84E-06    |
| chr1 | 121258001| 121263000| 2.42E-34    |
| chr1 | 121259001| 121264000| 4.32E-63    |
| chr1 | 121257001| 12126000 | 1.56E-11    |
| chr1 | 121258001| 121263000| 1.56E-11    |
| chr1 | 121259001| 121264000| 2.41E-89    |
| chr1 | 121257001| 12126000 | 2.88E-11    |
| chr1 | 121258001| 121263000| 5.01E-31    |
| chr1 | 121259001| 121264000| 2.65E-55    |
| chr1 | 121257001| 12126000 | 1.77E-64    |
| chr1 | 121258001| 121263000| 2.70E-86    |
| chr1 | 121259001| 121264000| 1.01E-06    |
| chr1 | 121257001| 12126000 | 1.01E-06    |
| chr1 | 121258001| 121263000| 1.21E-12    |
| chr1 | 121259001| 121264000| 4.71E-21    |
| chr1 | 121257001| 12126000 | 2.02E-19    |
| chr1 | 121258001| 121263000| 3.06E-23    |
chr1  148597001  148602000  1.89E-43
chr1  148598001  148603000  7.56E-28
chr1  148599001  148604000  6.20E-14
chr1  148669001  148674000  4.24E-05
chr1  148670001  148675000  0.000212724
chr1  148790001  148795000  0.008255222
chr1  148791001  148796000  0.000525968
chr1  148792001  148797000  0.000525968
chr1  148865001  148870000  6.19E-12
chr1  149375001  149380000  1.16E-24
chr1  149379001  149384000  1.48E-16
chr1  149380001  149385000  3.35E-08
chr1  149386001  149391000  2.84E-10
chr1  149387001  149392000  2.52E-10
chr1  149389001  149394000  1.57E-12
chr1  149392001  149397000  3.49E-10
chr1  149393001  149398000  2.10E-08
chr1  149708001  149713000  5.60E-40
chr1  149709001  149714000  1.64E-36
chr1  149710001  149715000  1.89E-35
chr1  149711001  149716000  1.36E-31
chr1  149712001  149717000  1.18E-18
chr1  149760001  149765000  2.26E-35
chr1  149763001  149768000  8.96E-28
chr1  149764001  149769000  1.35E-52
chr1  149785001  149790000  3.19E-25
chr1  149895001  149900000  1.92E-28
chr1  149896001  149901000  1.06E-33
chr1  150118001  150123000  8.48E-47
chr1  150517001  150522000  4.91E-49
chr1  150670001  150675000  1.15E-06
chr1  150979001  150984000  4.22E-28
chr1  151020001  151025000  2.27E-41
chr1  151032001  151037000  7.08E-23
chr1  151255001  151260000  2.73E-15
chr1  151431001  151436000  1.72E-27
chr1  151582001  151587000  1.57E-61
chr1  151583001  151588000  3.83E-61
chr1  151584001  151589000  5.02E-74
chr1  151585001  151590000  1.15E-30
chr1  152028001  152033000  1.94E-11
chr1  152106001  152111000  0.000425103
chr1  152107001  152112000  1.39E-06
chr1  152108001  152113000  8.85E-06
chr1  152109001  152114000  3.00E-05
chr1  152251001  152256000  1.33E-17
chr1  152253001  152258000  5.61E-09
chr1  152254001  152259000  2.60E-08
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr1       | 152255001 | 152260000 | 3.56E-07 |
| chr1       | 152256001 | 152261000 | 2.32E-08 |
| chr1       | 152257001 | 152262000 | 1.84E-12 |
| chr1       | 152258001 | 152263000 | 9.29E-11 |
| chr1       | 152259001 | 152264000 | 2.57E-11 |
| chr1       | 152260001 | 152265000 | 2.91E-08 |
| chr1       | 152295001 | 152300000 | 0.00037012 |
| chr1       | 152296001 | 152301000 | 0.000238762 |
| chr1       | 152297001 | 152302000 | 6.43E-05 |
| chr1       | 152298001 | 152303000 | 5.50E-09 |
| chr1       | 152760001 | 152765000 | 1.18E-05 |
| chr1       | 152783001 | 152788000 | 6.00E-15 |
| chr1       | 152784001 | 152789000 | 5.40E-12 |
| chr1       | 152817001 | 152822000 | 3.46E-06 |
| chr1       | 152818001 | 152823000 | 2.03E-08 |
| chr1       | 152819001 | 152824000 | 4.32E-09 |
| chr1       | 152845001 | 152850000 | 3.04E-09 |
| chr1       | 152846001 | 152851000 | 3.62E-09 |
| chr1       | 152847001 | 152852000 | 4.29E-18 |
| chr1       | 152927001 | 152932000 | 6.19E-16 |
| chr1       | 152928001 | 152933000 | 1.41E-19 |
| chr1       | 152929001 | 152934000 | 1.11E-20 |
| chr1       | 152930001 | 152935000 | 5.61E-17 |
| chr1       | 153008001 | 153013000 | 8.84E-10 |
| chr1       | 153010001 | 153015000 | 5.19E-09 |
| chr1       | 153011001 | 153016000 | 3.00E-10 |
| chr1       | 153012001 | 153017000 | 3.63E-10 |
| chr1       | 153156001 | 153161000 | 6.93E-11 |
| chr1       | 153157001 | 153162000 | 3.10E-17 |
| chr1       | 153158001 | 153163000 | 2.56E-13 |
| chr1       | 153159001 | 153164000 | 8.22E-14 |
| chr1       | 153240001 | 153245000 | 7.95E-08 |
| chr1       | 153292001 | 153297000 | 1.30E-11 |
| chr1       | 153647001 | 153652000 | 2.34E-15 |
| chr1       | 153648001 | 153653000 | 2.88E-13 |
| chr1       | 153649001 | 153654000 | 8.31E-09 |
| chr1       | 154301001 | 154306000 | 5.35E-14 |
| chr1       | 154374001 | 154379000 | 1.59E-19 |
| chr1       | 154375001 | 154380000 | 1.01E-14 |
| chr1       | 154633001 | 154638000 | 3.70E-07 |
| chr1       | 154733001 | 154738000 | 1.85E-27 |
| chr1       | 155019001 | 155024000 | 4.47E-19 |
| chr1       | 155047001 | 155052000 | 2.46E-13 |
| chr1       | 155048001 | 155053000 | 7.43E-22 |
| chr1       | 155049001 | 155054000 | 2.05E-20 |
| chr1       | 155162001 | 155167000 | 9.23E-21 |
| chr1       | 155163001 | 155168000 | 1.50E-17 |
| chr1       | 155228001 | 155233000 | 5.07E-13 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr1       | 155220001      | 155230000    | 8.29E-17 |
| chr1       | 155230001      | 155235000    | 2.28E-17 |
| chr1       | 155231001      | 155236000    | 9.75E-29 |
| chr1       | 155232001      | 155237000    | 6.15E-14 |
| chr1       | 155294001      | 155299000    | 2.01E-16 |
| chr1       | 155601001      | 155606000    | 0.004110058 |
| chr1       | 155657001      | 155662000    | 4.59E-48 |
| chr1       | 155658001      | 155663000    | 3.71E-69 |
| chr1       | 155823001      | 155828000    | 1.22E-27 |
| chr1       | 155824001      | 155829000    | 6.78E-26 |
| chr1       | 155901001      | 155906000    | 3.61E-14 |
| chr1       | 156021001      | 156026000    | 1.63E-18 |
| chr1       | 156024001      | 156029000    | 1.69E-19 |
| chr1       | 156080001      | 156085000    | 1.83E-15 |
| chr1       | 156159001      | 156164000    | 3.35E-26 |
| chr1       | 156258001      | 156263000    | 2.89E-05 |
| chr1       | 156308001      | 156313000    | 1.61E-24 |
| chr1       | 156629001      | 156634000    | 1.58E-09 |
| chr1       | 156675001      | 156680000    | 6.18E-07 |
| chr1       | 156720001      | 156725000    | 3.08E-42 |
| chr1       | 156721001      | 156726000    | 3.78E-37 |
| chr1       | 157011001      | 157016000    | 7.29E-54 |
| chr1       | 157014001      | 157019000    | 2.48E-38 |
| chr1       | 157015001      | 157020000    | 6.45E-46 |
| chr1       | 157103001      | 157108000    | 1.12E-26 |
| chr1       | 157107001      | 157112000    | 2.72E-73 |
| chr1       | 157108001      | 157113000    | 7.32E-72 |
| chr1       | 157187001      | 157192000    | 4.32E-12 |
| chr1       | 157188001      | 157193000    | 1.53E-17 |
| chr1       | 157189001      | 157194000    | 1.47E-16 |
| chr1       | 157200001      | 157205000    | 5.43E-10 |
| chr1       | 157201001      | 157206000    | 1.17E-08 |
| chr1       | 157210001      | 157215000    | 7.53E-09 |
| chr1       | 157211001      | 157216000    | 1.34E-08 |
| chr1       | 157212001      | 157217000    | 5.63E-11 |
| chr1       | 157230001      | 157235000    | 0.000259015 |
| chr1       | 157231001      | 157236000    | 1.04E-06 |
| chr1       | 157232001      | 157237000    | 3.61E-06 |
| chr1       | 157233001      | 157238000    | 1.86E-08 |
| chr1       | 157234001      | 157239000    | 3.85E-07 |
| chr1       | 157254001      | 157259000    | 5.85E-13 |
| chr1       | 157255001      | 157260000    | 3.75E-15 |
| chr1       | 157267001      | 157272000    | 2.93E-09 |
| chr1       | 157285001      | 157290000    | 7.18E-10 |
| chr1       | 157301001      | 157306000    | 4.32E-07 |
| chr1       | 157302001      | 157307000    | 2.54E-09 |
| chr1       | 157303001      | 157308000    | 2.01E-13 |
| chr1       | 157304001      | 157309000    | 3.51E-12 |
| Chr | Start  | End    | P-value |
|-----|--------|--------|---------|
| chr1| 157360001 | 157365000 | 1.15E-06 |
| chr1| 157363001 | 157368000 | 4.99E-05 |
| chr1| 157364001 | 157369000 | 8.97E-07 |
| chr1| 157365001 | 157370000 | 5.50E-09 |
| chr1| 157366001 | 157371000 | 1.33E-09 |
| chr1| 157367001 | 157372000 | 5.29E-10 |
| chr1| 157368001 | 157373000 | 3.76E-05 |
| chr1| 157369001 | 157374000 | 3.10E-07 |
| chr1| 157370001 | 157375000 | 8.12E-08 |
| chr1| 157371001 | 157376000 | 3.68E-06 |
| chr1| 157372001 | 157377000 | 5.50E-09 |
| chr1| 157373001 | 157378000 | 0.000917187 |
| chr1| 157374001 | 157379000 | 5.48E-07 |
| chr1| 157375001 | 157380000 | 9.88E-07 |
| chr1| 157376001 | 157381000 | 2.68E-08 |
| chr1| 157377001 | 157382000 | 2.05E-06 |
| chr1| 157378001 | 157383000 | 0.013242623 |
| chr1| 157379001 | 157384000 | 0.010010392 |
| chr1| 157380001 | 157385000 | 0.001551354 |
| chr1| 157381001 | 157386000 | 4.97E-13 |
| chr1| 157382001 | 157387000 | 1.34E-10 |
| chr1| 157383001 | 157388000 | 2.92E-07 |
| chr1| 157384001 | 157389000 | 9.30E-07 |
| chr1| 157385001 | 157390000 | 1.35E-08 |
| chr1| 157386001 | 157391000 | 1.64E-10 |
| chr1| 157387001 | 157392000 | 2.19E-10 |
| chr1| 157388001 | 157393000 | 3.28E-19 |
| chr1| 157389001 | 157394000 | 1.40E-13 |
| chr1| 157390001 | 157395000 | 0.00391495 |
| chr1| 157391001 | 157396000 | 2.53E-09 |
| chr1| 157392001 | 157397000 | 3.89E-14 |
| chr1| 157393001 | 157398000 | 9.99E-17 |
| chr1| 157394001 | 157399000 | 1.51E-12 |
| chr1| 157395001 | 157400000 | 0.000169306 |
| chr1| 157396001 | 157401000 | 5.50E-05 |
| chr1| 157397001 | 157402000 | 3.16E-05 |
| chr1| 157398001 | 157403000 | 8.89E-06 |
| chr1| 157399001 | 157404000 | 1.97E-06 |
| chr1| 157400001 | 157405000 | 1.26E-06 |
| chr1| 157401001 | 157406000 | 2.24E-06 |
| chr1| 157402001 | 157407000 | 0.00018579 |
| chr1| 157403001 | 157404000 | 0.000174851 |
| chr1| 157404001 | 157405000 | 0.00018579 |
| chr1| 157405001 | 157406000 | 0.000174851 |
| chr1 |      |      |        |
|------|------|------|--------|
|      |      |      | 158871001 |
|      |      |      | 158872001 |
|      |      |      | 158873001 |
|      |      |      | 158874001 |
|      |      |      | 158890001 |
|      |      |      | 158891001 |
|      |      |      | 158892001 |
|      |      |      | 158893001 |
|      |      |      | 158894001 |
|      |      |      | 159051001 |
|      |      |      | 159052001 |
|      |      |      | 159098001 |
|      |      |      | 159132001 |
|      |      |      | 159357001 |
|      |      |      | 159358001 |
|      |      |      | 159359001 |
|      |      |      | 159360001 |
|      |      |      | 159849001 |
|      |      |      | 159912001 |
|      |      |      | 159913001 |
|      |      |      | 159914001 |
|      |      |      | 159915001 |
|      |      |      | 160171001 |
|      |      |      | 160172001 |
|      |      |      | 160173001 |
|      |      |      | 160174001 |
|      |      |      | 160232001 |
|      |      |      | 160366001 |
|      |      |      | 160409001 |
|      |      |      | 160423001 |
|      |      |      | 160425001 |
|      |      |      | 160506001 |
|      |      |      | 160507001 |
|      |      |      | 160561001 |
|      |      |      | 160617001 |
|      |      |      | 160631001 |
|      |      |      | 160632001 |
|      |      |      | 160633001 |
|      |      |      | 160634001 |
|      |      |      | 160635001 |
|      |      |      | 161008001 |
|      |      |      | 161064001 |
|      |      |      | 161065001 |
|      |      |      | 161066001 |
|      |      |      | 161146001 |
|      |      |      | 161147001 |
|      |      |      | 161405001 |
|      |      |      | 161406001 |

|      |      |      | 158876000 |
|      |      |      | 158877000 |
|      |      |      | 158878000 |
|      |      |      | 158879000 |
|      |      |      | 158895000 |
|      |      |      | 158896000 |
|      |      |      | 158897000 |
|      |      |      | 158898000 |
|      |      |      | 158899000 |
|      |      |      | 159056000 |
|      |      |      | 159057000 |
|      |      |      | 159103000 |
|      |      |      | 159137000 |
|      |      |      | 159362000 |
|      |      |      | 159363000 |
|      |      |      | 159364000 |
|      |      |      | 159365000 |
|      |      |      | 159854000 |
|      |      |      | 159917000 |
|      |      |      | 159918000 |
|      |      |      | 159919000 |
|      |      |      | 159920000 |
|      |      |      | 160176000 |
|      |      |      | 160177000 |
|      |      |      | 160178000 |
|      |      |      | 160179000 |
|      |      |      | 160237000 |
|      |      |      | 160371000 |
|      |      |      | 160414000 |
|      |      |      | 160428000 |
|      |      |      | 160430000 |
|      |      |      | 160511000 |
|      |      |      | 160512000 |
|      |      |      | 160566000 |
|      |      |      | 160622000 |
|      |      |      | 160636000 |
|      |      |      | 160637000 |
|      |      |      | 160638000 |
|      |      |      | 160639000 |
|      |      |      | 160640000 |
|      |      |      | 161013000 |
|      |      |      | 161069000 |
|      |      |      | 161070000 |
|      |      |      | 161071000 |
|      |      |      | 161151000 |
|      |      |      | 161152000 |
|      |      |      | 161410000 |
|      |      |      | 161411000 |

|      |      |      | 0.000531677 |
|      |      |      | 5.38E-06 |
|      |      |      | 1.02E-05 |
|      |      |      | 2.66E-06 |
|      |      |      | 3.64E-05 |
|      |      |      | 7.19E-06 |
|      |      |      | 0.000813311 |
|      |      |      | 5.38E-06 |
|      |      |      | 1.02E-05 |
|      |      |      | 0.000685467 |
|      |      |      | 4.84E-12 |
|      |      |      | 1.59E-08 |
|      |      |      | 0.002698705 |
|      |      |      | 3.06E-06 |
|      |      |      | 1.71E-10 |
|      |      |      | 1.14E-10 |
|      |      |      | 5.29E-11 |
|      |      |      | 4.31E-11 |
|      |      |      | 3.66E-08 |
|      |      |      | 1.52E-14 |
|      |      |      | 2.93E-24 |
|      |      |      | 2.48E-31 |
|      |      |      | 6.76E-30 |
|      |      |      | 7.26E-26 |
|      |      |      | 4.95E-27 |
|      |      |      | 1.23E-31 |
|      |      |      | 2.67E-15 |
|      |      |      | 2.27E-20 |
|      |      |      | 1.67E-06 |
|      |      |      | 8.89E-07 |
|      |      |      | 1.22E-06 |
|      |      |      | 3.02E-06 |
|      |      |      | 2.62E-07 |
|      |      |      | 2.63E-07 |
|      |      |      | 1.17E-06 |
|      |      |      | 1.84E-08 |
|      |      |      | 1.79E-10 |
|      |      |      | 1.01E-08 |
|      |      |      | 1.82E-12 |
|      |      |      | 2.37E-13 |
|      |      |      | 1.73E-13 |
|      |      |      | 2.54E-10 |
|      |      |      | 3.45E-13 |
|      |      |      | 1.64E-10 |
|      |      |      | 7.35E-21 |
|      |      |      | 2.44E-22 |
|      |      |      | 1.40E-23 |
|      |      |      | 5.69E-13 |
|      |      |      | 2.02E-19 |
| Chromosome | Start Base | End Base | p-value |
|------------|------------|----------|---------|
| chr1       | 161407001  | 161412000| 1.01E-14|
| chr1       | 1614390001 | 161495000| 1.88E-29|
| chr1       | 161494001  | 161499000| 4.76E-16|
| chr1       | 161697001  | 161702000| 1.09E-19|
| chr1       | 162035001  | 162040000| 4.51E-37|
| chr1       | 162036001  | 162041000| 1.82E-34|
| chr1       | 162037001  | 162042000| 1.38E-42|
| chr1       | 162038001  | 162043000| 1.28E-31|
| chr1       | 162039001  | 162044000| 5.11E-35|
| chr1       | 162046001  | 162046800| 1.81E-22|
| chr1       | 1620464001 | 162046900| 9.38E-20|
| chr1       | 162465001  | 162467000| 4.06E-46|
| chr1       | 162466001  | 162471000| 2.16E-53|
| chr1       | 162467001  | 162472000| 5.29E-50|
| chr1       | 162527001  | 162532000| 6.68E-86|
| chr1       | 162528001  | 162533000| 1.71E-93|
| chr1       | 162529001  | 162534000| 6.44E-121|
| chr1       | 162530001  | 162535000| 4.54E-101|
| chr1       | 162531001  | 162536000| 1.88E-104|
| chr1       | 163620001  | 163625000| 4.92E-08|
| chr1       | 163710001  | 163715000| 0.000632016|
| chr1       | 163888001  | 163893000| 0.000314819|
| chr1       | 163929001  | 163934000| 3.26E-05|
| chr1       | 1639330001 | 163935000| 0.000122499|
| chr1       | 163931001  | 163936000| 0.000152056|
| chr1       | 163932001  | 163937000| 0.000142128|
| chr1       | 164104001  | 164109000| 1.28E-06|
| chr1       | 164105001  | 164110000| 2.40E-07|
| chr1       | 164237001  | 164242000| 5.24E-15|
| chr1       | 164238001  | 164243000| 1.04E-12|
| chr1       | 164353001  | 164358000| 4.88E-06|
| chr1       | 164402001  | 164407000| 0.000132378|
| chr1       | 164681001  | 164686000| 1.40E-17|
| chr1       | 164682001  | 164687000| 5.01E-14|
| chr1       | 164847001  | 164852000| 0.003240848|
| chr1       | 164848001  | 164853000| 0.002450156|
| chr1       | 164930001  | 164935000| 9.48E-05|
| chr1       | 164955001  | 164960000| 8.16E-05|
| chr1       | 164963001  | 164968000| 2.32E-05|
| chr1       | 165007001  | 165012000| 0.00262591|
| chr1       | 165021001  | 165026000| 1.33E-05|
| chr1       | 165211001  | 165216000| 6.53E-06|
| chr1       | 165212001  | 165217000| 4.42E-05|
| chr1       | 165213001  | 165218000| 0.002895412|
| chr1       | 165416001  | 165421000| 2.56E-08|
| chr1       | 165417001  | 165422000| 3.61E-08|
| chr1       | 165418001  | 165423000| 1.18E-08|
| chr1       | 165596001  | 165601000| 5.00E-39|
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr1       | 165598001      | 165603000    | 1.02E-69 |
| chr1       | 165599001      | 165604000    | 1.49E-58 |
| chr1       | 165600001      | 165605000    | 3.73E-57 |
| chr1       | 165663001      | 165668000    | 5.26E-42 |
| chr1       | 165667001      | 165672000    | 8.33E-18 |
| chr1       | 165733001      | 165738000    | 1.82E-25 |
| chr1       | 165734001      | 165739000    | 5.83E-33 |
| chr1       | 165735001      | 165740000    | 4.95E-58 |
| chr1       | 165736001      | 165741000    | 1.83E-56 |
| chr1       | 165737001      | 165742000    | 1.11E-67 |
| chr1       | 165738001      | 165743000    | 3.40E-50 |
| chr1       | 165739001      | 165798000    | 3.32E-56 |
| chr1       | 165797001      | 165802000    | 4.05E-32 |
| chr1       | 165934001      | 165939000    | 1.73E-09 |
| chr1       | 165973001      | 165978000    | 2.07E-14 |
| chr1       | 165974001      | 165979000    | 1.94E-17 |
| chr1       | 166180001      | 166185000    | 8.44E-10 |
| chr1       | 166181001      | 166186000    | 1.76E-09 |
| chr1       | 166183001      | 166188000    | 2.09E-08 |
| chr1       | 166186001      | 166191000    | 7.85E-07 |
| chr1       | 166187001      | 166192000    | 9.45E-07 |
| chr1       | 166210001      | 166215000    | 0.000140193 |
| chr1       | 166212001      | 166217000    | 0.000328408 |
| chr1       | 166213001      | 166218000    | 1.88E-05 |
| chr1       | 166229001      | 166234000    | 0.00010109 |
| chr1       | 166286001      | 166291000    | 6.65E-11 |
| chr1       | 166287001      | 166292000    | 2.28E-13 |
| chr1       | 166288001      | 166293000    | 6.14E-13 |
| chr1       | 166289001      | 166294000    | 1.00E-07 |
| chr1       | 166369001      | 166374000    | 6.32E-09 |
| chr1       | 166370001      | 166375000    | 3.82E-09 |
| chr1       | 166521001      | 166526000    | 2.48E-08 |
| chr1       | 166522001      | 166527000    | 5.13E-06 |
| chr1       | 166523001      | 166528000    | 9.78E-08 |
| chr1       | 166524001      | 166529000    | 1.15E-05 |
| chr1       | 166561001      | 166566000    | 9.34E-05 |
| chr1       | 166562001      | 166567000    | 0.000792191 |
| chr1       | 166616001      | 166621000    | 0.004728043 |
| chr1       | 166670001      | 166675000    | 0.000255987 |
| chr1       | 166679001      | 166684000    | 0.000116571 |
| chr1       | 166680001      | 166685000    | 6.45E-06 |
| chr1       | 166681001      | 166686000    | 1.32E-07 |
| chr1       | 166703001      | 166708000    | 0.000140887 |
| chr1       | 166724001      | 166729000    | 0.000120628 |
| chr1       | 166725001      | 166730000    | 0.001132564 |
| chr1       | 166726001      | 166731000    | 3.14E-05 |
| chr1       | 166760001      | 166765000    | 0.000189476 |
| Chr | Start   | End     | Log10(P)  |
|-----|---------|---------|-----------|
| chr1| 166771001| 166776000| 5.01E-07  |
| chr1| 166799001| 166804000| 4.79E-08  |
| chr1| 166801001| 166806000| 7.89E-07  |
| chr1| 166804001| 166809000| 2.03E-72  |
| chr1| 166805001| 166810000| 1.84E-69  |
| chr1| 166806001| 166811000| 1.90E-58  |
| chr1| 166807001| 166812000| 8.31E-37  |
| chr1| 166920001| 166925000| 8.99E-06  |
| chr1| 166921001| 166926000| 0.000763259|
| chr1| 166981001| 166986000| 2.61E-09  |
| chr1| 166982001| 166987000| 2.97E-12  |
| chr1| 166983001| 166988000| 6.51E-05  |
| chr1| 167185001| 167190000| 9.20E-53  |
| chr1| 167186001| 167191000| 6.82E-53  |
| chr1| 167190001| 167195000| 5.34E-71  |
| chr1| 167191001| 167196000| 1.17E-48  |
| chr1| 167298001| 167303000| 0.01157403|
| chr1| 167420001| 167425000| 3.84E-30  |
| chr1| 167421001| 167426000| 4.71E-27  |
| chr1| 167422001| 167427000| 2.85E-30  |
| chr1| 167423001| 167428000| 2.43E-36  |
| chr1| 167424001| 167429000| 5.68E-27  |
| chr1| 167518001| 167523000| 2.10E-38  |
| chr1| 167519001| 167524000| 6.71E-32  |
| chr1| 167520001| 167525000| 2.62E-54  |
| chr1| 167521001| 167526000| 3.16E-41  |
| chr1| 167522001| 167527000| 2.07E-33  |
| chr1| 167803001| 167808000| 2.40E-09  |
| chr1| 167953001| 167958000| 0.000236183|
| chr1| 167977001| 167982000| 2.08E-05  |
| chr1| 167978001| 167983000| 8.23E-08  |
| chr1| 168106001| 168111000| 1.80E-47  |
| chr1| 168191001| 168196000| 6.92E-18  |
| chr1| 168313001| 168318000| 3.50E-07  |
| chr1| 168525001| 168530000| 0.000574598|
| chr1| 168785001| 168790000| 5.38E-06  |
| chr1| 168786001| 168791000| 1.64E-06  |
| chr1| 168788001| 168793000| 1.16E-05  |
| chr1| 169163001| 169168000| 0.00984817|
| chr1| 169348001| 169353000| 0.017391791|
| chr1| 169400001| 169405000| 0.001181681|
| chr1| 169401001| 169406000| 0.002637639|
| chr1| 169450001| 169455000| 1.87E-59  |
| chr1| 169571001| 169576000| 1.01E-07  |
| chr1| 169572001| 169577000| 1.75E-09  |
| chr1| 169573001| 169578000| 6.18E-06  |
| chr1| 169596001| 169601000| 1.14E-06  |
| chr1| 169597001| 169602000| 1.76E-05  |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr1       | 169683001      | 169688000    | 2.68E-08|
| chr1       | 170039001      | 170044000    | 2.23E-50|
| chr1       | 170040001      | 170045000    | 4.92E-34|
| chr1       | 170041001      | 170046000    | 1.89E-40|
| chr1       | 170042001      | 170047000    | 1.95E-40|
| chr1       | 170086001      | 170091000    | 0.000489174|
| chr1       | 170087001      | 170092000    | 0.000342635|
| chr1       | 170040001      | 170045000    | 1.76E-06|
| chr1       | 170041001      | 170046000    | 1.01E-06|
| chr1       | 170042001      | 170047000    | 1.04E-05|
| chr1       | 170043001      | 170048000    | 1.26E-05|
| chr1       | 170044001      | 170049000    | 3.56E-05|
| chr1       | 170045001      | 170050000    | 6.61E-05|
| chr1       | 170046001      | 170051000    | 5.34E-07|
| chr1       | 170047001      | 170052000    | 0.001457057|
| chr1       | 170048001      | 170053000    | 2.79E-09|
| chr1       | 170049001      | 170054000    | 0.030994668|
| chr1       | 170050001      | 170055000    | 4.22E-07|
| chr1       | 170051001      | 170056000    | 8.30E-08|
| chr1       | 170052001      | 170057000    | 3.14E-08|
| chr1       | 170053001      | 170058000    | 1.61E-06|
| chr1       | 170054001      | 170059000    | 1.41E-06|
| chr1       | 170055001      | 170060000    | 2.61E-08|
| chr1       | 170056001      | 170061000    | 5.86E-08|
| chr1       | 170057001      | 170062000    | 3.83E-16|
| chr1       | 170058001      | 170063000    | 0.000581902|
| chr1       | 170059001      | 170064000    | 0.00171359|
| chr1       | 170060001      | 170065000    | 1.66E-22|
| chr1       | 170061001      | 170066000    | 4.17E-06|
| chr1       | 170062001      | 170067000    | 3.70E-08|
| chr1       | 170063001      | 170068000    | 1.67E-10|
| chr1       | 170064001      | 170069000    | 2.48E-07|
| chr1       | 170065001      | 170070000    | 7.53E-06|
| chr1       | 170066001      | 170071000    | 0.001015033|
| chr1       | 170067001      | 170072000    | 1.39E-10|
| chr1       | 170068001      | 170073000    | 1.62E-08|
| chr1       | 170069001      | 170074000    | 0.000109769|
| chr1       | 170070001      | 170075000    | 3.03E-05|
| chr1       | 170071001      | 170076000    | 2.86E-05|
| chr1       | 170072001      | 170077000    | 0.001297619|
| chr1       | 170073001      | 170078000    | 8.00E-06|
| chr1       | 170074001      | 170079000    | 7.80E-06|
| chr1       | 170075001      | 170080000    | 8.48E-05|
| chr1       | 170076001      | 170081000    | 2.23E-06|
| chr1       | 170077001      | 170082000    | 7.68E-09|
| Chr | Start | End   | p-value   |
|-----|-------|-------|-----------|
| chr1| 171018001 | 171023000 | 1.16E-08  |
| chr1| 171026001 | 171031000 | 2.55E-05  |
| chr1| 171027001 | 171032000 | 0.008703193 |
| chr1| 171044001 | 171049000 | 7.83E-08  |
| chr1| 171045001 | 171050000 | 6.41E-08  |
| chr1| 171046001 | 171051000 | 1.13E-05  |
| chr1| 171063001 | 171068000 | 8.21E-05  |
| chr1| 171082001 | 171087000 | 0.00044525 |
| chr1| 171101001 | 171106000 | 5.65E-05  |
| chr1| 171117001 | 171122000 | 3.98E-06  |
| chr1| 171120001 | 171125000 | 2.64E-06  |
| chr1| 171121001 | 171126000 | 1.17E-06  |
| chr1| 171122001 | 171127000 | 2.42E-05  |
| chr1| 1711123001 | 171128000 | 2.33E-06  |
| chr1| 171229001 | 171134000 | 0.000739703 |
| chr1| 171130001 | 171135000 | 0.002684234 |
| chr1| 171135001 | 171140000 | 0.000170091 |
| chr1| 171136001 | 171141000 | 0.000644541 |
| chr1| 171228001 | 171233000 | 6.59E-08  |
| chr1| 171245001 | 171250000 | 1.61E-06  |
| chr1| 171246001 | 171251000 | 4.39E-07  |
| chr1| 171247001 | 171252000 | 5.06E-05  |
| chr1| 171249001 | 171254000 | 5.09E-06  |
| chr1| 171251001 | 171256000 | 0.002040773 |
| chr1| 171253001 | 171258000 | 2.14E-05  |
| chr1| 171254001 | 171259000 | 2.83E-06  |
| chr1| 171255001 | 171260000 | 2.94E-06  |
| chr1| 171298001 | 171303000 | 1.75E-10  |
| chr1| 171299001 | 171304000 | 6.93E-12  |
| chr1| 171302001 | 171307000 | 0.002540475 |
| chr1| 171315001 | 171320000 | 1.84E-05  |
| chr1| 171316001 | 171321000 | 3.07E-06  |
| chr1| 171806001 | 171811000 | 1.16E-64  |
| chr1| 171807001 | 171812000 | 6.84E-60  |
| chr1| 171808001 | 171813000 | 2.12E-55  |
| chr1| 171809001 | 171814000 | 4.35E-78  |
| chr1| 171810001 | 171815000 | 1.36E-81  |
| chr1| 171811001 | 171816000 | 4.11E-29  |
| chr1| 172072001 | 172077000 | 2.09E-09  |
| chr1| 172073001 | 172078000 | 9.65E-12  |
| chr1| 172076001 | 172081000 | 8.23E-15  |
| chr1| 172497001 | 172502000 | 1.78E-25  |
| chr1| 172707001 | 172712000 | 0.007301868 |
| chr1| 172793001 | 172798000 | 0.000419588 |
| chr1| 172794001 | 172799000 | 1.15E-06  |
| chr1| 172795001 | 172800000 | 0.000246723 |
| chr1| 172834001 | 172839000 | 0.007540196 |
| chr1| 172877001 | 172882000 | 3.89E-10  |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr1       | 172978001      | 172983000    | 1.15E-06|
| chr1       | 172979001      | 172984000    | 1.34E-05|
| chr1       | 172980001      | 172985000    | 0.004795679|
| chr1       | 173220001      | 173225000    | 0.000132442|
| chr1       | 173269001      | 173274000    | 0.001504837|
| chr1       | 173498001      | 173503000    | 0.002454586|
| chr1       | 173500001      | 173505000    | 0.006624648|
| chr1       | 173680001      | 173685000    | 3.00E-24|
| chr1       | 173789001      | 173794000    | 5.01E-32|
| chr1       | 174124001      | 174129000    | 8.54E-40|
| chr1       | 174125001      | 174130000    | 4.38E-39|
| chr1       | 174471001      | 174476000    | 0.008954942|
| chr1       | 174816001      | 174821000    | 2.45E-08|
| chr1       | 175176001      | 175181000    | 8.32E-05|
| chr1       | 175177001      | 175182000    | 6.67E-05|
| chr1       | 175178001      | 175183000    | 4.20E-07|
| chr1       | 175179001      | 175184000    | 9.05E-05|
| chr1       | 175453001      | 175458000    | 3.40E-08|
| chr1       | 175592001      | 175597000    | 6.42E-12|
| chr1       | 175593001      | 175598000    | 1.23E-12|
| chr1       | 175594001      | 175599000    | 9.97E-12|
| chr1       | 175595001      | 175600000    | 5.05E-08|
| chr1       | 175780001      | 175785000    | 1.31E-05|
| chr1       | 175782001      | 175787000    | 8.19E-07|
| chr1       | 175795001      | 175800000    | 0.000181045|
| chr1       | 176555001      | 176560000    | 6.64E-06|
| chr1       | 176556001      | 176561000    | 0.001775486|
| chr1       | 176605001      | 176610000    | 9.33E-06|
| chr1       | 176611001      | 176616000    | 2.39E-05|
| chr1       | 176612001      | 176617000    | 1.59E-06|
| chr1       | 176705001      | 176710000    | 0.000669199|
| chr1       | 176706001      | 176711000    | 2.61E-05|
| chr1       | 176771001      | 176776000    | 9.09E-07|
| chr1       | 176780001      | 176785000    | 7.97E-05|
| chr1       | 176781001      | 176786000    | 7.51E-05|
| chr1       | 176877001      | 176882000    | 2.57E-07|
| chr1       | 176885001      | 176890000    | 5.12E-11|
| chr1       | 176887001      | 176892000    | 5.93E-07|
| chr1       | 176888001      | 176893000    | 2.80E-06|
| chr1       | 177059001      | 177064000    | 5.14E-06|
| chr1       | 177077001      | 177082000    | 2.03E-13|
| chr1       | 177081001      | 177086000    | 2.92E-10|
| chr1       | 177132001      | 177137000    | 3.68E-24|
| chr1       | 177133001      | 177138000    | 3.27E-25|
| chr1       | 177146001      | 177151000    | 1.24E-27|
| chr1       | 177149001      | 177154000    | 4.32E-28|
| chr1       | 177259001      | 177264000    | 0.000462378|
| Chr | Start | End | P-value |
|-----|-------|-----|---------|
| chr1 | 17735 | 17736 | 0.001409 |
| chr1 | 17739 | 17740 | 5.95E-07 |
| chr1 | 17740 | 17740 | 2.60E-10 |
| chr1 | 17740 | 17740 | 5.76E-08 |
| chr1 | 17740 | 17740 | 0.002973 |
| chr1 | 17749 | 17750 | 0.002845 |
| chr1 | 17750 | 17750 | 2.81E-05 |
| chr1 | 17751 | 17751 | 0.000509 |
| chr1 | 17751 | 17751 | 0.000312 |
| chr1 | 17753 | 17754 | 4.72E-10 |
| chr1 | 17756 | 17757 | 0.003063 |
| chr1 | 17806 | 17806 | 4.68E-55 |
| chr1 | 17833 | 17834 | 3.65E-07 |
| chr1 | 17869 | 17869 | 1.12E-95 |
| chr1 | 17869 | 17869 | 1.24E-78 |
| chr1 | 17869 | 17869 | 3.46E-72 |
| chr1 | 17904 | 17905 | 2.81E-56 |
| chr1 | 17904 | 17905 | 1.31E-35 |
| chr1 | 17905 | 17905 | 3.20E-16 |
| chr1 | 17905 | 17905 | 6.90E-37 |
| chr1 | 17919 | 17920 | 6.37E-29 |
| chr1 | 17919 | 17920 | 5.86E-15 |
| chr1 | 17919 | 17920 | 1.66E-33 |
| chr1 | 17919 | 17920 | 3.23E-48 |
| chr1 | 17919 | 17920 | 5.20E-45 |
| chr1 | 17948 | 17949 | 1.07E-08 |
| chr1 | 17949 | 17949 | 0.001893 |
| chr1 | 17949 | 17949 | 8.46E-07 |
| chr1 | 17949 | 17949 | 6.38E-06 |
| chr1 | 17949 | 17950 | 2.49E-08 |
| chr1 | 17964 | 17965 | 1.70E-11 |
| chr1 | 17964 | 17965 | 3.58E-10 |
| chr1 | 17964 | 17965 | 6.74E-06 |
| chr1 | 17965 | 17965 | 1.08E-16 |
| chr1 | 17965 | 17965 | 1.86E-16 |
| chr1 | 17965 | 17965 | 3.25E-18 |
| chr1 | 17965 | 17965 | 2.05E-17 |
| chr1 | 17965 | 17965 | 3.69E-24 |
| chr1 | 17965 | 17966 | 6.74E-16 |
| chr1 | 17965 | 17966 | 3.89E-19 |
| chr1 | 17965 | 17966 | 7.74E-19 |
| chr1 | 17965 | 17966 | 1.05E-17 |
| chr1 | 17966 | 17966 | 4.07E-11 |
| chr1 | 17969 | 17970 | 3.09E-09 |
| chr1 | 17969 | 17970 | 6.35E-12 |
| chr1 | 17969 | 17970 | 4.10E-11 |
| chr1 | 17985 | 17985 | 3.91E-45 |
| chr  | start       | end       | P-value   |
|------|-------------|-----------|-----------|
| chr1 | 179920001   | 179925000 | 3.52E-39  |
| chr1 | 179924001   | 179929000 | 8.17E-47  |
| chr1 | 180119001   | 180124000 | 2.51E-23  |
| chr1 | 180277001   | 180282000 | 4.03E-05  |
| chr1 | 180597001   | 180602000 | 6.84E-36  |
| chr1 | 180598001   | 180603000 | 1.18E-34  |
| chr1 | 180600001   | 180605000 | 2.50E-47  |
| chr1 | 180601001   | 180606000 | 1.13E-60  |
| chr1 | 180879001   | 180884000 | 2.78E-19  |
| chr1 | 180880001   | 180885000 | 1.83E-33  |
| chr1 | 180881001   | 180886000 | 1.77E-25  |
| chr1 | 180991001   | 180996000 | 1.55E-11  |
| chr1 | 181072001   | 181077000 | 3.67E-23  |
| chr1 | 181074001   | 181079000 | 8.07E-15  |
| chr1 | 181662001   | 181667000 | 0.003733127|
| chr1 | 181832001   | 181837000 | 0.000625521|
| chr1 | 181833001   | 181838000 | 5.75E-07  |
| chr1 | 181834001   | 181839000 | 1.04E-06  |
| chr1 | 181835001   | 181840000 | 1.06E-05  |
| chr1 | 181994001   | 181999000 | 7.28E-37  |
| chr1 | 181995001   | 182000000 | 1.59E-57  |
| chr1 | 181996001   | 182001000 | 5.51E-52  |
| chr1 | 181997001   | 182002000 | 5.64E-37  |
| chr1 | 181999001   | 182004000 | 4.07E-24  |
| chr1 | 182154001   | 182159000 | 5.67E-06  |
| chr1 | 182155001   | 182160000 | 4.14E-08  |
| chr1 | 182156001   | 182161000 | 5.18E-05  |
| chr1 | 182360001   | 182365000 | 4.71E-61  |
| chr1 | 182361001   | 182366000 | 1.32E-34  |
| chr1 | 182428001   | 182433000 | 0.000448929|
| chr1 | 182429001   | 182434000 | 8.95E-05  |
| chr1 | 182430001   | 182435000 | 0.00212896|
| chr1 | 182486001   | 182491000 | 0.004906964|
| chr1 | 182756001   | 182761000 | 1.03E-36  |
| chr1 | 182757001   | 182762000 | 1.18E-41  |
| chr1 | 182758001   | 182763000 | 9.40E-52  |
| chr1 | 183151001   | 183156000 | 1.55E-23  |
| chr1 | 184006001   | 184011000 | 6.28E-29  |
| chr1 | 184021001   | 184026000 | 2.95E-20  |
| chr1 | 184069001   | 184074000 | 1.42E-09  |
| chr1 | 184070001   | 184075000 | 1.91E-06  |
| chr1 | 184351001   | 184356000 | 1.88E-27  |
| chr1 | 184352001   | 184357000 | 1.81E-44  |
| chr1 | 184719001   | 184724000 | 8.20E-96  |
| chr1 | 184724001   | 184729000 | 1.90E-32  |
| chr1 | 184759001   | 184764000 | 2.14E-13  |
| chr1 | 184966001   | 184971000 | 3.62E-22  |
| chr1 | 185379001   | 185384000 | 2.45E-08  |
| Chr | Start Position | End Position | Value       |
|-----|----------------|--------------|-------------|
| chr1| 185380001      | 185385000    | 2.03E-11    |
| chr1| 185642001      | 185647000    | 4.55E-05    |
| chr1| 185786001      | 185791000    | 0.003897677 |
| chr1| 185965001      | 185970000    | 0.00159911  |
| chr1| 186547001      | 186552000    | 0.000840041 |
| chr1| 186645001      | 186650000    | 9.01E-48    |
| chr1| 187017001      | 187022000    | 0.002727205 |
| chr1| 187771001      | 187776000    | 3.20E-06    |
| chr1| 188362001      | 188367000    | 1.31E-06    |
| chr1| 188945001      | 188950000    | 3.57E-10    |
| chr1| 188993001      | 188998000    | 1.40E-06    |
| chr1| 188994001      | 188999000    | 1.56E-06    |
| chr1| 188995001      | 189000000    | 3.77E-07    |
| chr1| 189033001      | 189038000    | 0.001437335 |
| chr1| 189034001      | 189039000    | 0.002893795 |
| chr1| 189180001      | 189185000    | 2.95E-06    |
| chr1| 189585001      | 189590000    | 0.001307681 |
| chr1| 190877001      | 190882000    | 0.001500481 |
| chr1| 192579001      | 192584000    | 0.000115794 |
| chr1| 192580001      | 192585000    | 8.37E-07    |
| chr1| 192581001      | 192586000    | 1.03E-05    |
| chr1| 192582001      | 192587000    | 4.95E-06    |
| chr1| 193074001      | 193079000    | 7.81E-95    |
| chr1| 193086001      | 193091000    | 3.36E-39    |
| chr1| 193087001      | 193092000    | 2.72E-84    |
| chr1| 193604001      | 193609000    | 1.81E-06    |
| chr1| 193941001      | 193946000    | 1.62E-05    |
| chr1| 195812001      | 195817000    | 2.23E-06    |
| chr1| 196192001      | 196197000    | 1.43E-08    |
| chr1| 196299001      | 196304000    | 3.69E-05    |
| chr1| 196300001      | 196305000    | 5.42E-05    |
| chr1| 196301001      | 196306000    | 9.58E-10    |
| chr1| 196302001      | 196307000    | 4.72E-07    |
| chr1| 196705001      | 196710000    | 0.000589889 |
| chr1| 197744001      | 197749000    | 8.34E-93    |
| chr1| 197867001      | 197872000    | 8.66E-45    |
| chr1| 197868001      | 197873000    | 2.73E-69    |
| chr1| 197869001      | 197874000    | 3.64E-71    |
| chr1| 197870001      | 197875000    | 3.29E-63    |
| chr1| 197871001      | 197876000    | 3.15E-52    |
| chr1| 197872001      | 197877000    | 1.10E-48    |
| chr1| 198275001      | 198280000    | 8.51E-14    |
| chr1| 199294001      | 199299000    | 0.000170469 |
| chr1| 200271001      | 200276000    | 3.85E-27    |
| chr1| 200374001      | 200379000    | 2.22E-45    |
| chr1| 200375001      | 200380000    | 1.98E-60    |
| chr1| 200376001      | 200381000    | 8.73E-39    |
| chr1| 200377001      | 200382000    | 4.48E-23    |
| Chromosome | Start Position | End Position | Log10 p-Value |
|------------|----------------|--------------|---------------|
| chr1       | 200704001      | 20079000     | 8.09E-39      |
| chr1       | 200856001      | 200861000    | 8.25E-19      |
| chr1       | 200857001      | 200862000    | 4.63E-28      |
| chr1       | 200858001      | 200863000    | 3.32E-33      |
| chr1       | 200859001      | 200864000    | 3.62E-22      |
| chr1       | 201081001      | 201086000    | 3.83E-24      |
| chr1       | 201082001      | 201087000    | 3.06E-39      |
| chr1       | 201083001      | 201088000    | 3.46E-45      |
| chr1       | 201119001      | 201124000    | 6.77E-23      |
| chr1       | 201120001      | 201125000    | 9.31E-22      |
| chr1       | 201476001      | 201481000    | 8.19E-24      |
| chr1       | 201947001      | 201952000    | 1.08E-47      |
| chr1       | 201948001      | 201953000    | 1.34E-55      |
| chr1       | 201949001      | 201954000    | 3.13E-58      |
| chr1       | 201950001      | 201955000    | 2.11E-55      |
| chr1       | 201951001      | 201956000    | 5.26E-37      |
| chr1       | 201952001      | 201957000    | 1.33E-20      |
| chr1       | 202109001      | 202114000    | 2.73E-20      |
| chr1       | 202313001      | 202318000    | 3.25E-45      |
| chr1       | 202679001      | 202684000    | 5.92E-22      |
| chr1       | 202772001      | 202777000    | 3.04E-26      |
| chr1       | 202773001      | 202778000    | 8.52E-34      |
| chr1       | 202774001      | 202779000    | 1.25E-37      |
| chr1       | 202853001      | 202858000    | 2.72E-19      |
| chr1       | 202854001      | 202859000    | 1.41E-41      |
| chr1       | 202855001      | 202860000    | 1.03E-55      |
| chr1       | 202856001      | 202861000    | 7.55E-64      |
| chr1       | 202892001      | 202897000    | 8.67E-49      |
| chr1       | 202893001      | 202898000    | 4.33E-24      |
| chr1       | 202894001      | 202899000    | 1.65E-30      |
| chr1       | 202923001      | 202928000    | 2.37E-41      |
| chr1       | 202976001      | 202981000    | 2.00E-56      |
| chr1       | 203201001      | 203206000    | 7.92E-10      |
| chr1       | 203765001      | 203770000    | 1.02E-21      |
| chr1       | 204380001      | 204385000    | 9.60E-36      |
| chr1       | 204650001      | 204655000    | 4.56E-48      |
| chr1       | 204654001      | 204659000    | 5.48E-19      |
| chr1       | 205176001      | 205181000    | 1.25E-22      |
| chr1       | 205177001      | 205182000    | 3.14E-33      |
| chr1       | 205178001      | 205183000    | 3.78E-35      |
| chr1       | 205179001      | 205184000    | 1.53E-32      |
| chr1       | 205180001      | 205185000    | 1.20E-48      |
| chr1       | 205197001      | 205202000    | 3.00E-29      |
| chr1       | 205538001      | 205543000    | 2.68E-08      |
| chr1       | 205557001      | 205562000    | 9.72E-14      |
| chr1       | 205780001      | 205785000    | 2.53E-71      |
| chr1       | 205781001      | 205786000    | 2.45E-66      |
| chr1       | 205782001      | 205787000    | 1.11E-69      |
| Chromosome | Start       | End         | P-Value       |
|------------|-------------|-------------|---------------|
| chr1       | 206321001   | 206326000   | 0.002099578   |
| chr1       | 206798001   | 206803000   | 8.38E-06      |
| chr1       | 206808001   | 206813000   | 4.43E-52      |
| chr1       | 206809001   | 206814000   | 9.41E-43      |
| chr1       | 207079001   | 207084000   | 2.76E-36      |
| chr1       | 207283001   | 207288000   | 0.00052581    |
| chr1       | 207299001   | 207304000   | 7.36E-05      |
| chr1       | 207354001   | 207359000   | 0.002808487   |
| chr1       | 207355001   | 207360000   | 0.001202507   |
| chr1       | 207356001   | 207361000   | 1.73E-07      |
| chr1       | 207357001   | 207362000   | 9.78E-05      |
| chr1       | 207495001   | 207500000   | 1.21E-70      |
| chr1       | 207505001   | 207510000   | 0.002338953   |
| chr1       | 207508001   | 207513000   | 6.53E-06      |
| chr1       | 207577001   | 207582000   | 0.002897378   |
| chr1       | 207584001   | 207589000   | 2.34E-06      |
| chr1       | 207623001   | 207628000   | 6.44E-25      |
| chr1       | 207624001   | 207629000   | 4.41E-36      |
| chr1       | 207625001   | 207630000   | 7.31E-37      |
| chr1       | 207626001   | 207631000   | 3.85E-36      |
| chr1       | 207627001   | 207632000   | 6.51E-35      |
| chr1       | 207628001   | 207633000   | 1.12E-28      |
| chr1       | 207665001   | 207670000   | 8.63E-40      |
| chr1       | 207666001   | 207671000   | 1.26E-39      |
| chr1       | 207667001   | 207672000   | 2.79E-43      |
| chr1       | 207668001   | 207673000   | 1.46E-42      |
| chr1       | 207838001   | 207843000   | 2.46E-36      |
| chr1       | 207839001   | 207844000   | 1.24E-33      |
| chr1       | 208084001   | 208089000   | 3.97E-30      |
| chr1       | 208099001   | 208104000   | 0.000123136   |
| chr1       | 208128001   | 208133000   | 1.41E-16      |
| chr1       | 208129001   | 208134000   | 3.17E-16      |
| chr1       | 208130001   | 208135000   | 9.67E-19      |
| chr1       | 208131001   | 208136000   | 8.65E-20      |
| chr1       | 208510001   | 208515000   | 0.000461236   |
| chr1       | 208997001   | 209002000   | 0.000162552   |
| chr1       | 208998001   | 209003000   | 2.37E-06      |
| chr1       | 208999001   | 209004000   | 2.22E-05      |
| chr1       | 209771001   | 209776000   | 2.43E-07      |
| chr1       | 209845001   | 209850000   | 1.59E-29      |
| chr1       | 209848001   | 209853000   | 4.89E-18      |
| chr1       | 209849001   | 209854000   | 4.22E-21      |
| chr1       | 210001001   | 210006000   | 6.40E-29      |
| chr1       | 210111001   | 210116000   | 7.11E-39      |
| chr1       | 210205001   | 210210000   | 9.37E-06      |
| chr1       | 210206001   | 210211000   | 2.49E-05      |
| chr1       | 210207001   | 210212000   | 1.90E-07      |
| chr1       | 210208001   | 210213000   | 1.37E-08      |
| Chromosome | Start_Position | End_Position | P_Value       |
|------------|----------------|--------------|---------------|
| chr1       | 210209001      | 210214000    | 7.99E-08      |
| chr1       | 210213001      | 210218000    | 0.000885691   |
| chr1       | 210240001      | 210245000    | 1.84E-09      |
| chr1       | 210401001      | 210406000    | 6.27E-13      |
| chr1       | 210402001      | 210407000    | 7.29E-81      |
| chr1       | 210403001      | 210408000    | 1.75E-63      |
| chr1       | 210404001      | 210409000    | 1.75E-73      |
| chr1       | 210405001      | 210410000    | 5.66E-73      |
| chr1       | 210406001      | 210411000    | 2.17E-65      |
| chr1       | 210407001      | 210412000    | 2.68E-23      |
| chr1       | 210461001      | 210466000    | 5.87E-24      |
| chr1       | 210526001      | 210531000    | 2.26E-05      |
| chr1       | 211336001      | 211341000    | 0.000405281   |
| chr1       | 211337001      | 211342000    | 0.000936196   |
| chr1       | 211341001      | 211346000    | 2.60E-11      |
| chr1       | 211342001      | 211347000    | 2.29E-15      |
| chr1       | 211344001      | 211349000    | 1.77E-07      |
| chr1       | 211428001      | 211433000    | 1.24E-31      |
| chr1       | 211429001      | 211434000    | 2.55E-38      |
| chr1       | 211431001      | 211436000    | 3.15E-38      |
| chr1       | 211432001      | 211437000    | 5.38E-35      |
| chr1       | 211433001      | 211438000    | 3.27E-26      |
| chr1       | 211496001      | 211501000    | 5.38E-34      |
| chr1       | 211585001      | 211590000    | 6.07E-30      |
| chr1       | 211746001      | 211751000    | 3.61E-06      |
| chr1       | 211747001      | 211752000    | 1.13E-70      |
| chr1       | 211752001      | 211757000    | 2.02E-22      |
| chr1       | 211844001      | 211849000    | 2.10E-45      |
| chr1       | 211845001      | 211850000    | 3.21E-46      |
| chr1       | 211846001      | 211851000    | 9.61E-44      |
| chr1       | 211999001      | 212004000    | 2.43E-37      |
| chr1       | 212000001      | 212005000    | 1.06E-50      |
| chr1       | 212001001      | 212006000    | 5.06E-53      |
| chr1       | 212002001      | 212007000    | 1.03E-46      |
| chr1       | 212003001      | 212008000    | 8.73E-40      |
| chr1       | 212004001      | 212009000    | 7.53E-23      |
| chr1       | 212588001      | 212593000    | 8.27E-25      |
| chr1       | 212602001      | 212607000    | 8.62E-38      |
| chr1       | 212606001      | 212611000    | 2.11E-19      |
| chr1       | 212727001      | 212732000    | 1.67E-20      |
| chr1       | 212728001      | 212733000    | 7.37E-57      |
| chr1       | 212729001      | 212734000    | 1.49E-47      |
| chr1       | 212730001      | 212735000    | 2.85E-36      |
| chr1       | 212731001      | 212736000    | 4.92E-30      |
| chr1       | 212732001      | 212737000    | 1.01E-30      |
| chr1       | 212782001      | 212787000    | 6.39E-39      |
| chr1       | 213027001      | 213032000    | 7.14E-17      |
| Chromosome | Start | End   | p_value   |
|------------|-------|-------|-----------|
| chr1       | 217410001 | 217415000 | 7.28E-06  |
| chr1       | 217468001 | 217473000 | 0.016330413 |
| chr1       | 218050001 | 218055000 | 0.000550617 |
| chr1       | 218096001 | 218101000 | 1.77E-22  |
| chr1       | 218097001 | 218102000 | 3.59E-21  |
| chr1       | 218098001 | 218103000 | 8.21E-30  |
| chr1       | 218147001 | 218152000 | 0.01081957 |
| chr1       | 218264001 | 218269000 | 0.00102858 |
| chr1       | 218286001 | 218291000 | 0.002217555 |
| chr1       | 218514001 | 218519000 | 6.22E-11  |
| chr1       | 218515001 | 218520000 | 3.99E-52  |
| chr1       | 219223001 | 219228000 | 1.32E-05  |
| chr1       | 219315001 | 219320000 | 0.000374475 |
| chr1       | 219337001 | 219342000 | 0.003488858 |
| chr1       | 219590001 | 219595000 | 0.00380539 |
| chr1       | 219591001 | 219596000 | 0.001596327 |
| chr1       | 219796001 | 219801000 | 0.000262505 |
| chr1       | 219797001 | 219802000 | 0.000518018 |
| chr1       | 219892001 | 219897000 | 0.003798058 |
| chr1       | 220265001 | 220270000 | 8.34E-45  |
| chr1       | 220490001 | 220495000 | 7.87E-08  |
| chr1       | 220520001 | 220525000 | 5.86E-14  |
| chr1       | 220521001 | 220526000 | 1.55E-13  |
| chr1       | 220816001 | 220821000 | 1.50E-14  |
| chr1       | 220920001 | 220925000 | 4.61E-40  |
| chr1       | 220922001 | 220927000 | 1.06E-18  |
| chr1       | 220956001 | 220961000 | 2.91E-62  |
| chr1       | 221916001 | 221921000 | 6.32E-66  |
| chr1       | 222306001 | 222311000 | 0.001688566 |
| chr1       | 222307001 | 222312000 | 0.001090843 |
| chr1       | 222308001 | 222313000 | 0.004835681 |
| chr1       | 222758001 | 222763000 | 2.68E-15  |
| chr1       | 222787001 | 222792000 | 1.07E-41  |
| chr1       | 222789001 | 222794000 | 2.11E-50  |
| chr1       | 222790001 | 222795000 | 3.43E-55  |
| chr1       | 222791001 | 222796000 | 4.90E-59  |
| chr1       | 222813001 | 222818000 | 6.47E-35  |
| chr1       | 222816001 | 222821000 | 1.24E-41  |
| chr1       | 222817001 | 222822000 | 6.02E-67  |
| chr1       | 223304001 | 223309000 | 1.66E-14  |
| chr1       | 223305001 | 223310000 | 1.77E-21  |
| chr1       | 223306001 | 223311000 | 4.74E-15  |
| chr1       | 223307001 | 223312000 | 2.69E-16  |
| chr1       | 223896001 | 223901000 | 6.13E-41  |
| chr1       | 223897001 | 223902000 | 5.56E-35  |
| chr1       | 223898001 | 223903000 | 1.12E-25  |
| chr1       | 223899001 | 223904000 | 1.64E-25  |
| chr1       | 224541001 | 224546000 | 2.32E-31  |
| Chr | Start | End   | Log10(P) |
|-----|-------|-------|----------|
| chr1 | 22883001 | 22883000 | 9.95E-05 |
| chr1 | 228867001 | 228872000 | 1.40E-63 |
| chr1 | 228868001 | 228873000 | 1.53E-32 |
| chr1 | 228870001 | 228875000 | 1.46E-30 |
| chr1 | 228871001 | 228876000 | 2.54E-19 |
| chr1 | 229402001 | 229407000 | 1.59E-37 |
| chr1 | 229403001 | 229408000 | 1.97E-50 |
| chr1 | 229404001 | 229409000 | 7.58E-57 |
| chr1 | 229405001 | 229410000 | 5.55E-47 |
| chr1 | 229406001 | 229411000 | 1.25E-65 |
| chr1 | 229407001 | 229412000 | 9.51E-50 |
| chr1 | 229474001 | 229479000 | 2.64E-43 |
| chr1 | 229639001 | 229644000 | 1.29E-30 |
| chr1 | 229689001 | 229694000 | 9.81E-33 |
| chr1 | 229690001 | 229695000 | 2.59E-63 |
| chr1 | 229691001 | 229696000 | 9.85E-63 |
| chr1 | 229692001 | 229697000 | 2.37E-49 |
| chr1 | 229693001 | 229698000 | 6.36E-46 |
| chr1 | 229694001 | 229699000 | 1.44E-39 |
| chr1 | 229757001 | 229762000 | 1.06E-67 |
| chr1 | 229944001 | 229949000 | 7.42E-05 |
| chr1 | 229945001 | 229950000 | 0.000125735 |
| chr1 | 230198001 | 230203000 | 5.29E-31 |
| chr1 | 230236001 | 230241000 | 2.13E-13 |
| chr1 | 230237001 | 230242000 | 1.29E-14 |
| chr1 | 230686001 | 230691000 | 0.008300727 |
| chr1 | 230712001 | 230717000 | 2.26E-08 |
| chr1 | 231002001 | 231007000 | 6.12E-29 |
| chr1 | 231003001 | 231008000 | 2.58E-28 |
| chr1 | 231004001 | 231009000 | 8.14E-53 |
| chr1 | 231171001 | 231176000 | 1.08E-79 |
| chr1 | 231172001 | 231177000 | 6.42E-53 |
| chr1 | 231173001 | 231178000 | 3.60E-40 |
| chr1 | 231174001 | 231179000 | 1.20E-28 |
| chr1 | 231175001 | 231180000 | 2.00E-29 |
| chr1 | 231372001 | 231377000 | 2.04E-40 |
| chr1 | 231546001 | 231551000 | 0.000334322 |
| chr1 | 231557001 | 231562000 | 8.47E-90 |
| chr1 | 231558001 | 231563000 | 2.38E-39 |
| chr1 | 231758001 | 231763000 | 4.25E-26 |
| chr1 | 232137001 | 232142000 | 0.003992772 |
| chr1 | 232761001 | 232766000 | 3.01E-44 |
| chr1 | 232766001 | 232771000 | 6.65E-52 |
| chr1 | 232937001 | 232942000 | 9.55E-25 |
| chr1 | 232938001 | 232943000 | 4.24E-37 |
| chr1 | 232939001 | 232944000 | 1.81E-34 |
| chr1 | 232940001 | 232945000 | 4.23E-29 |
| chr1 | 232941001 | 232946000 | 1.43E-30 |
| Gene | Chromosome | Start | End | Score |
|------|------------|-------|-----|-------|
| chr1 | 233428001  | 233433000 | 2.96E-27 |
| chr1 | 233430001  | 233435000 | 7.15E-30 |
| chr1 | 233431001  | 233436000 | 1.73E-21 |
| chr1 | 233459001  | 233464000 | 1.39E-74 |
| chr1 | 233460001  | 233465000 | 6.17E-87 |
| chr1 | 233461001  | 233466000 | 1.64E-50 |
| chr1 | 233463001  | 233468000 | 4.18E-83 |
| chr1 | 233480001  | 233490000 | 1.39E-74 |
| chr1 | 233720001  | 233725000 | 9.54E-09 |
| chr1 | 233721001  | 233726000 | 2.17E-12 |
| chr1 | 233722001  | 233727000 | 1.25E-11 |
| chr1 | 233723001  | 233728000 | 7.88E-11 |
| chr1 | 233724001  | 233729000 | 4.18E-08 |
| chr1 | 233750001  | 233755000 | 1.05E-34 |
| chr1 | 234008001  | 234013000 | 7.30E-06 |
| chr1 | 234036001  | 234041000 | 7.83E-56 |
| chr1 | 234350001  | 234355000 | 2.74E-15 |
| chr1 | 234614001  | 234619000 | 2.53E-43 |
| chr1 | 235667001  | 235672000 | 2.09E-71 |
| chr1 | 235668001  | 235673000 | 1.80E-85 |
| chr1 | 236030001  | 236035000 | 6.63E-36 |
| chr1 | 236349001  | 236354000 | 3.14E-17 |
| chr1 | 236440001  | 236445000 | 3.38E-20 |
| chr1 | 236685001  | 236690000 | 1.14E-48 |
| chr1 | 236686001  | 236691000 | 9.91E-60 |
| chr1 | 236687001  | 236692000 | 5.71E-72 |
| chr1 | 236877001  | 236882000 | 1.02E-06 |
| chr1 | 237130001  | 237135000 | 6.72E-13 |
| chr1 | 237230001  | 237235000 | 2.00E-14 |
| chr1 | 237423001  | 237428000 | 5.89E-06 |
| chr1 | 237424001  | 237429000 | 7.37E-09 |
| chr1 | 237425001  | 237430000 | 9.53E-08 |
| chr1 | 237446001  | 237451000 | 8.64E-06 |
| chr1 | 237447001  | 237452000 | 1.33E-09 |
| chr1 | 237558001  | 237563000 | 0.000488609 |
| chr1 | 237559001  | 237564000 | 0.000892524 |
| chr1 | 237560001  | 237565000 | 0.000603828 |
| chr1 | 237574001  | 237579000 | 1.54E-06 |
| chr1 | 237577001  | 237582000 | 1.08E-05 |
| chr1 | 237578001  | 237583000 | 3.33E-05 |
| chr1 | 237579001  | 237584000 | 1.98E-05 |
| chr1 | 237580001  | 237585000 | 3.74E-05 |
| chr1 | 237635001  | 237640000 | 4.28E-06 |
| chr1 | 237705001  | 237710000 | 1.31E-06 |
| chr1 | 237706001  | 237711000 | 8.03E-09 |
| chr1 | 237763001  | 237768000 | 3.90E-12 |
| chr1 | 238151001  | 238156000 | 0.000837055 |
| Chr  | Start       | End     | P-value       |
|------|-------------|---------|---------------|
| chr1 | 238152001   | 238157000 | 2.72E-07     |
| chr1 | 238219001   | 238224000 | 0.000275457  |
| chr1 | 238256001   | 238261000 | 0.002998285  |
| chr1 | 238323001   | 238328000 | 8.56E-08     |
| chr1 | 238378001   | 238383000 | 3.95E-06     |
| chr1 | 238379001   | 238384000 | 0.001001901  |
| chr1 | 238793001   | 238798000 | 0.001720864  |
| chr1 | 238794001   | 238799000 | 0.000341204  |
| chr1 | 239043001   | 239048000 | 0.002305316  |
| chr1 | 239183001   | 239188000 | 0.002351586  |
| chr1 | 239507001   | 239512000 | 0.000139955  |
| chr1 | 239533001   | 239538000 | 3.56E-05     |
| chr1 | 239545001   | 239550000 | 1.50E-40     |
| chr1 | 239611001   | 239616000 | 0.007940933  |
| chr1 | 239633001   | 239638000 | 6.78E-06     |
| chr1 | 239634001   | 239639000 | 0.004960082  |
| chr1 | 239667001   | 239672000 | 0.0005278    |
| chr1 | 239688001   | 239693000 | 0.000293311  |
| chr1 | 239798001   | 239803000 | 1.77E-05     |
| chr1 | 239801001   | 239806000 | 9.93E-12     |
| chr1 | 240161001   | 240166000 | 1.15E-50     |
| chr1 | 240252001   | 240257000 | 9.03E-28     |
| chr1 | 240253001   | 240258000 | 8.84E-51     |
| chr1 | 240254001   | 240259000 | 2.51E-52     |
| chr1 | 240255001   | 240260000 | 3.69E-58     |
| chr1 | 240256001   | 240261000 | 3.55E-39     |
| chr1 | 240431001   | 240436000 | 0.02550595   |
| chr1 | 240775001   | 240780000 | 8.68E-20     |
| chr1 | 241053001   | 241058000 | 1.67E-06     |
| chr1 | 241103001   | 241108000 | 5.18E-05     |
| chr1 | 241120001   | 241125000 | 1.93E-07     |
| chr1 | 241153001   | 241158000 | 2.57E-15     |
| chr1 | 241154001   | 241159000 | 6.58E-17     |
| chr1 | 241155001   | 241160000 | 1.38E-12     |
| chr1 | 241292001   | 241297000 | 1.26E-06     |
| chr1 | 241293001   | 241298000 | 0.001416823  |
| chr1 | 241321001   | 241326000 | 3.31E-13     |
| chr1 | 241507001   | 241512000 | 0.007558567  |
| chr1 | 241508001   | 241513000 | 0.00571257   |
| chr1 | 241520001   | 241525000 | 2.98E-24     |
| chr1 | 241583001   | 241588000 | 1.03E-33     |
| chr1 | 241584001   | 241589000 | 4.09E-23     |
| chr1 | 241711001   | 241716000 | 7.38E-13     |
| chr1 | 241712001   | 241717000 | 5.69E-14     |
| chr1 | 241713001   | 241718000 | 5.84E-12     |
| chr1 | 241714001   | 241719000 | 1.28E-10     |
| chr1 | 241773001   | 241778000 | 1.01E-05     |
| chr1 | 242007001   | 242012000 | 1.26E-61     |
| chr1 | 242516001 | 242521000 | 0.015949928 |
|------|-----------|-----------|-------------|
| chr1 | 242889001 | 242894000 | 0.009593732 |
| chr1 | 243379001 | 243384000 | 0.002000109 |
| chr1 | 243583001 | 243588000 | 1.02E-14    |
| chr1 | 243584001 | 243589000 | 9.64E-14    |
| chr1 | 243585001 | 243590000 | 1.14E-17    |
| chr1 | 244008001 | 244013000 | 3.93E-35    |
| chr1 | 244009001 | 244014000 | 3.59E-35    |
| chr1 | 244010001 | 244015000 | 1.68E-44    |
| chr1 | 244011001 | 244016000 | 9.05E-68    |
| chr1 | 244012001 | 244017000 | 1.06E-50    |
| chr1 | 244013001 | 244018000 | 2.71E-29    |
| chr1 | 244492001 | 244497000 | 2.72E-08    |
| chr1 | 244493001 | 244498000 | 4.41E-09    |
| chr1 | 244494001 | 244499000 | 4.98E-09    |
| chr1 | 244569001 | 244574000 | 0.00285699  |
| chr1 | 244610001 | 244615000 | 5.94E-62    |
| chr1 | 244612001 | 244617000 | 2.68E-88    |
| chr1 | 244615001 | 244620000 | 1.42E-37    |
| chr1 | 244620001 | 244625000 | 5.32E-42    |
| chr1 | 244621001 | 244626000 | 4.91E-39    |
| chr1 | 244622001 | 244627000 | 3.51E-36    |
| chr1 | 244623001 | 244628000 | 1.93E-38    |
| chr1 | 244624001 | 244629000 | 1.70E-53    |
| chr1 | 244812001 | 244817000 | 5.17E-39    |
| chr1 | 244890001 | 244895000 | 2.40E-18    |
| chr1 | 244891001 | 244896000 | 1.60E-28    |
| chr1 | 244892001 | 244897000 | 2.69E-27    |
| chr1 | 244893001 | 244898000 | 5.08E-34    |
| chr1 | 244894001 | 244899000 | 3.73E-21    |
| chr1 | 245082001 | 245087000 | 5.08E-31    |
| chr1 | 245129001 | 245134000 | 1.33E-88    |
| chr1 | 245130001 | 245135000 | 2.07E-67    |
| chr1 | 245133001 | 245138000 | 3.26E-50    |
| chr1 | 245790001 | 245795000 | 2.57E-11    |
| chr1 | 246884001 | 246889000 | 3.93E-40    |
| chr1 | 246885001 | 246890000 | 3.24E-57    |
| chr1 | 246886001 | 246891000 | 1.11E-75    |
| chr1 | 246887001 | 246892000 | 9.73E-64    |
| chr1 | 247012001 | 247017000 | 3.37E-08    |
| chr1 | 247091001 | 247096000 | 6.46E-45    |
| chr1 | 247095001 | 247100000 | 4.11E-19    |
| chr1 | 247237001 | 247242000 | 1.52E-51    |
| chr1 | 247238001 | 247243000 | 2.12E-36    |
| chr1 | 247239001 | 247244000 | 1.92E-47    |
| chr1 | 247240001 | 247245000 | 8.23E-69    |
| chr1 | 247241001 | 247246000 | 2.37E-86    |
| chr1 | 247242001 | 247247000 | 3.42E-53    |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr1       | 247263001      | 247268000    | 2.99E-51 |
| chr1       | 247264001      | 247269000    | 9.01E-61 |
| chr1       | 247265001      | 247270000    | 2.07E-38 |
| chr1       | 247266001      | 247271000    | 2.23E-45 |
| chr1       | 247267001      | 247272000    | 2.45E-42 |
| chr1       | 247270001      | 247275000    | 2.99E-27 |
| chr1       | 247271001      | 247276000    | 1.06E-37 |
| chr1       | 247272001      | 247277000    | 1.21E-34 |
| chr1       | 247273001      | 247278000    | 4.52E-22 |
| chr1       | 247369001      | 247374000    | 4.61E-41 |
| chr1       | 247370001      | 247375000    | 7.34E-36 |
| chr1       | 247371001      | 247376000    | 3.01E-30 |
| chr1       | 247374001      | 247379000    | 5.37E-16 |
| chr1       | 247414001      | 247419000    | 8.64E-07 |
| chr1       | 247415001      | 247420000    | 1.03E-09 |
| chr1       | 247416001      | 247421000    | 1.49E-10 |
| chr1       | 247417001      | 247422000    | 4.75E-09 |
| chr1       | 247418001      | 247423000    | 3.74E-05 |
| chr1       | 247549001      | 247554000    | 2.06E-10 |
| chr1       | 247723001      | 247728000    | 6.37E-10 |
| chr1       | 247765001      | 247770000    | 7.86E-10 |
| chr1       | 247766001      | 247771000    | 1.57E-07 |
| chr1       | 247767001      | 247772000    | 2.27E-07 |
| chr1       | 247914001      | 247919000    | 1.77E-17 |
| chr1       | 248186001      | 248191000    | 0.00020969 |
| chr1       | 248254001      | 248259000    | 0.00163685 |
| chr1       | 248369001      | 248374000    | 1.42E-08 |
| chr1       | 248370001      | 248375000    | 1.72E-07 |
| chr1       | 248371001      | 248376000    | 6.99E-08 |
| chr1       | 248372001      | 248377000    | 7.01E-07 |
| chr1       | 248373001      | 248378000    | 0.000136634 |
| chr1       | 248374001      | 248379000    | 0.000680597 |
| chr1       | 248375001      | 248380000    | 7.76E-05 |
| chr1       | 248481001      | 248486000    | 1.61E-09 |
| chr1       | 248482001      | 248487000    | 1.48E-09 |
| chr1       | 248537001      | 248542000    | 0.00035678 |
| chr1       | 248546001      | 248551000    | 1.03E-06 |
| chr1       | 248615001      | 248620000    | 3.81E-06 |
| chr1       | 248616001      | 248621000    | 3.03E-11 |
| chr1       | 248617001      | 248622000    | 8.47E-06 |
| chr1       | 248772001      | 248777000    | 0.000145237 |
| chr1       | 248774001      | 248779000    | 1.45E-08 |
| chr1       | 248775001      | 248780000    | 1.18E-06 |
| chr1       | 248776001      | 248781000    | 3.13E-06 |
| chr1       | 248830001      | 248835000    | 2.59E-10 |
| chr1       | 248831001      | 248836000    | 2.05E-12 |
| chr1       | 248907001      | 248912000    | 0.008548199 |
| chr1       | 249155001      | 249160000    | 4.86E-19 |
| Chr | Start  | End    | P-value    |
|-----|--------|--------|------------|
| chr1| 249156001 | 249161000 | 5.01E-21   |
| chr1| 249157001 | 249162000 | 3.18E-16   |
| chr1| 249196001 | 249201000 | 9.31E-70   |
| chr1| 249197001 | 249202000 | 1.68E-59   |
| chr1| 249198001 | 249203000 | 7.93E-45   |
| chr1| 249199001 | 249204000 | 3.21E-37   |
| chr2| 24001 | 29000 | 0.00011326 |
| chr2| 204001 | 209000 | 0.001550451 |
| chr2| 264001 | 269000 | 5.59E-82   |
| chr2| 265001 | 270000 | 1.19E-21   |
| chr2| 528001 | 533000 | 0.002500157 |
| chr2| 1039001 | 1044000 | 4.62E-07   |
| chr2| 1040001 | 1045000 | 3.09E-07   |
| chr2| 1042001 | 1047000 | 2.51E-08   |
| chr2| 1360001 | 1365000 | 0.00123948 |
| chr2| 1393001 | 1398000 | 1.74E-11   |
| chr2| 1394001 | 1399000 | 1.12E-10   |
| chr2| 1395001 | 1400000 | 5.39E-12   |
| chr2| 2413001 | 2418000 | 2.16E-08   |
| chr2| 2414001 | 2419000 | 3.13E-08   |
| chr2| 2613001 | 2618000 | 3.72E-21   |
| chr2| 3019001 | 3024000 | 0.000241122 |
| chr2| 3090001 | 3095000 | 2.91E-05   |
| chr2| 3379001 | 3384000 | 4.52E-46   |
| chr2| 3382001 | 3387000 | 4.68E-35   |
| chr2| 3383001 | 3388000 | 2.03E-39   |
| chr2| 3518001 | 3523000 | 6.58E-35   |
| chr2| 3601001 | 3606000 | 1.15E-95   |
| chr2| 3602001 | 3607000 | 2.86E-80   |
| chr2| 3603001 | 3608000 | 1.07E-70   |
| chr2| 3605001 | 3610000 | 4.10E-55   |
| chr2| 3606001 | 3611000 | 1.65E-30   |
| chr2| 3619001 | 3624000 | 5.84E-50   |
| chr2| 3620001 | 3625000 | 2.98E-48   |
| chr2| 3621001 | 3626000 | 1.16E-41   |
| chr2| 3623001 | 3628000 | 1.12E-53   |
| chr2| 3895001 | 3900000 | 9.38E-06   |
| chr2| 3896001 | 3901000 | 4.16E-07   |
| chr2| 4322001 | 4327000 | 6.31E-05   |
| chr2| 4834001 | 4839000 | 1.70E-05   |
| chr2| 4863001 | 4868000 | 2.72E-05   |
| chr2| 5384001 | 5389000 | 8.33E-06   |
| chr2| 5527001 | 5532000 | 0.002043105 |
| chr2| 5528001 | 5533000 | 0.002764783 |
| chr2| 5715001 | 5720000 | 2.04E-05   |
| chr2| 5716001 | 5721000 | 8.74E-05   |
| chr2| 5828001 | 5833000 | 2.88E-48   |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr2       | 10089001 | 10094000 | 1.62E-33  |
| chr2       | 10090001 | 10095000 | 2.97E-27  |
| chr2       | 10091001 | 10096000 | 5.98E-56  |
| chr2       | 10182001 | 10187000 | 3.01E-15  |
| chr2       | 10183001 | 10188000 | 3.69E-21  |
| chr2       | 10220001 | 10225000 | 3.23E-38  |
| chr2       | 10583001 | 10588000 | 1.07E-42  |
| chr2       | 10584001 | 10589000 | 6.69E-53  |
| chr2       | 10585001 | 10590000 | 3.30E-31  |
| chr2       | 10586001 | 10591000 | 4.10E-50  |
| chr2       | 10587001 | 10592000 | 3.77E-44  |
| chr2       | 10588001 | 10593000 | 1.50E-27  |
| chr2       | 10857001 | 10862000 | 6.21E-22  |
| chr2       | 10858001 | 10863000 | 4.69E-22  |
| chr2       | 10859001 | 10864000 | 1.36E-19  |
| chr2       | 11484001 | 11489000 | 2.30E-57  |
| chr2       | 11485001 | 11490000 | 2.43E-45  |
| chr2       | 11601001 | 11606000 | 1.62E-19  |
| chr2       | 11602001 | 11607000 | 2.27E-41  |
| chr2       | 11623001 | 11628000 | 7.64E-43  |
| chr2       | 12108001 | 12113000 | 4.27E-05  |
| chr2       | 12194001 | 12199000 | 1.86E-11  |
| chr2       | 12359001 | 12364000 | 8.79E-07  |
| chr2       | 12360001 | 12365000 | 1.14E-12  |
| chr2       | 12361001 | 12366000 | 1.38E-13  |
| chr2       | 12362001 | 12367000 | 3.81E-11  |
| chr2       | 12363001 | 12368000 | 6.72E-08  |
| chr2       | 12547001 | 12552000 | 0.006340518 |
| chr2       | 12603001 | 12608000 | 1.88E-08  |
| chr2       | 12636001 | 12641000 | 2.72E-11  |
| chr2       | 12637001 | 12642000 | 3.61E-08  |
| chr2       | 12638001 | 12643000 | 1.27E-07  |
| chr2       | 12750001 | 12755000 | 0.001802552 |
| chr2       | 12852001 | 12857000 | 7.87E-35  |
| chr2       | 12959001 | 12964000 | 1.88E-07  |
| chr2       | 12960001 | 12965000 | 1.06E-09  |
| chr2       | 13412001 | 13417000 | 6.49E-05  |
| chr2       | 13413001 | 13418000 | 0.000691283 |
| chr2       | 14428001 | 14433000 | 0.00012133 |
| chr2       | 14742001 | 14747000 | 0.000122438 |
| chr2       | 14759001 | 14764000 | 8.11E-06  |
| chr2       | 14760001 | 14765000 | 1.08E-05  |
| chr2       | 14798001 | 14803000 | 8.30E-06  |
| chr2       | 14805001 | 14810000 | 0.002540838 |
| chr2       | 14806001 | 14811000 | 0.008620195 |
| chr2       | 15070001 | 15075000 | 0.009316867 |
| chr2       | 15071001 | 15076000 | 0.00022976 |
| chr2       | 15417001 | 15422000 | 0.001155138 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr2       | 15574001       | 15579000     | 1.42E-07 |
| chr2       | 15732001       | 15737000     | 7.19E-27 |
| chr2       | 16038001       | 16043000     | 0.000126964 |
| chr2       | 16039001       | 16044000     | 0.000162552 |
| chr2       | 16040001       | 16045000     | 0.000165413 |
| chr2       | 16041001       | 16046000     | 0.000144132 |
| chr2       | 16480001       | 16485000     | 1.56E-07 |
| chr2       | 16522001       | 16527000     | 9.16E-05 |
| chr2       | 16523001       | 16528000     | 7.60E-06 |
| chr2       | 16589001       | 16594000     | 8.02E-07 |
| chr2       | 16590001       | 16595000     | 8.29E-08 |
| chr2       | 16601001       | 16606000     | 0.006538495 |
| chr2       | 16689001       | 16694000     | 5.90E-21 |
| chr2       | 16734001       | 16739000     | 0.000809466 |
| chr2       | 17614001       | 17619000     | 0.00257881 |
| chr2       | 17615001       | 17620000     | 0.00018143 |
| chr2       | 17616001       | 17621000     | 0.00384587 |
| chr2       | 17619001       | 17624000     | 1.39E-06 |
| chr2       | 17620001       | 17625000     | 1.14E-06 |
| chr2       | 17621001       | 17626000     | 9.40E-07 |
| chr2       | 17622001       | 17627000     | 2.41E-12 |
| chr2       | 17623001       | 17628000     | 3.50E-10 |
| chr2       | 17624001       | 17629000     | 1.95E-08 |
| chr2       | 17631001       | 17636000     | 3.25E-08 |
| chr2       | 17632001       | 17637000     | 6.09E-06 |
| chr2       | 17633001       | 17638000     | 1.80E-06 |
| chr2       | 17634001       | 17639000     | 1.60E-08 |
| chr2       | 17635001       | 17640000     | 7.00E-08 |
| chr2       | 17636001       | 17641000     | 1.29E-06 |
| chr2       | 17654001       | 17659000     | 6.40E-07 |
| chr2       | 17655001       | 17660000     | 1.04E-07 |
| chr2       | 17656001       | 17661000     | 1.10E-09 |
| chr2       | 17695001       | 17700000     | 2.21E-12 |
| chr2       | 17696001       | 17701000     | 1.52E-13 |
| chr2       | 17697001       | 17702000     | 2.85E-16 |
| chr2       | 17698001       | 17703000     | 4.72E-16 |
| chr2       | 17699001       | 17704000     | 2.56E-15 |
| chr2       | 17735001       | 17740000     | 0.000108469 |
| chr2       | 17747001       | 17752000     | 1.59E-05 |
| chr2       | 17748001       | 17753000     | 9.51E-05 |
| chr2       | 17749001       | 17754000     | 0.000208622 |
| chr2       | 17750001       | 17755000     | 0.00054797 |
| chr2       | 17844001       | 17849000     | 0.002164711 |
| chr2       | 17845001       | 17850000     | 0.003419345 |
| chr2       | 17898001       | 17903000     | 0.003448736 |
| chr2       | 17930001       | 17935000     | 8.23E-41 |
| chr2       | 17934001       | 17939000     | 1.35E-76 |
| chr2       | 17935001       | 17940000     | 6.13E-66 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr2       | 17936001       | 17941000     | 5.21E-05 |
| chr2       | 18012001       | 18017000     | 1.34E-16 |
| chr2       | 18059001       | 18064000     | 1.03E-23 |
| chr2       | 18060001       | 18065000     | 6.28E-24 |
| chr2       | 18537001       | 18542000     | 0.00816408 |
| chr2       | 18588001       | 18593000     | 4.05E-05 |
| chr2       | 18589001       | 18594000     | 0.000100571 |
| chr2       | 18590001       | 18595000     | 0.000114426 |
| chr2       | 18591001       | 18596000     | 0.000371098 |
| chr2       | 18592001       | 18597000     | 0.000823156 |
| chr2       | 18603001       | 18608000     | 0.000186599 |
| chr2       | 18604001       | 18609000     | 4.25E-06 |
| chr2       | 18638001       | 18643000     | 2.21E-06 |
| chr2       | 18639001       | 18644000     | 8.79E-06 |
| chr2       | 18736001       | 18741000     | 0.003108991 |
| chr2       | 18737001       | 18742000     | 4.01E-84 |
| chr2       | 18738001       | 18743000     | 6.43E-55 |
| chr2       | 18739001       | 18744000     | 2.00E-43 |
| chr2       | 18740001       | 18745000     | 2.16E-40 |
| chr2       | 18741001       | 18746000     | 3.83E-46 |
| chr2       | 18742001       | 18747000     | 1.07E-15 |
| chr2       | 18804001       | 18809000     | 0.007308974 |
| chr2       | 18887001       | 18892000     | 0.002425063 |
| chr2       | 18918001       | 18923000     | 3.42E-05 |
| chr2       | 18924001       | 18929000     | 8.90E-06 |
| chr2       | 18953001       | 18958000     | 4.11E-07 |
| chr2       | 19179001       | 19184000     | 1.86E-11 |
| chr2       | 19180001       | 19185000     | 1.23E-13 |
| chr2       | 19255001       | 19260000     | 0.000130161 |
| chr2       | 19256001       | 19261000     | 0.029381244 |
| chr2       | 19350001       | 19355000     | 0.000100772 |
| chr2       | 19583001       | 19588000     | 1.06E-20 |
| chr2       | 19652001       | 19657000     | 0.005683841 |
| chr2       | 19713001       | 19718000     | 9.34E-06 |
| chr2       | 19714001       | 19719000     | 1.69E-05 |
| chr2       | 19907001       | 19912000     | 0.006068554 |
| chr2       | 19908001       | 19913000     | 0.000141054 |
| chr2       | 20186001       | 20191000     | 1.04E-36 |
| chr2       | 20187001       | 20192000     | 5.62E-27 |
| chr2       | 20188001       | 20193000     | 4.31E-25 |
| chr2       | 20419001       | 20424000     | 3.43E-08 |
| chr2       | 20420001       | 20425000     | 5.65E-10 |
| chr2       | 20424001       | 20429000     | 5.67E-24 |
| chr2       | 21021001       | 21026000     | 2.11E-28 |
| chr2       | 21050001       | 21055000     | 1.37E-05 |
| chr2       | 21052001       | 21057000     | 6.00E-06 |
| chr2       | 21408001       | 21413000     | 1.83E-06 |
| chr2       | 21445001       | 21450000     | 9.04E-05 |
| Chr  | Start Position | End Position | Score       |
|------|----------------|--------------|-------------|
| chr2 | 21670001       | 21675000     | 0.001100288 |
| chr2 | 21700001       | 21705000     | 0.002197343 |
| chr2 | 21744001       | 21749000     | 2.33E-12    |
| chr2 | 21912001       | 21917000     | 4.11E-05    |
| chr2 | 21913001       | 21918000     | 2.57E-05    |
| chr2 | 22074001       | 22079000     | 0.000410777 |
| chr2 | 22086001       | 22091000     | 3.74E-06    |
| chr2 | 22087001       | 22092000     | 2.99E-07    |
| chr2 | 22088001       | 22093000     | 5.08E-05    |
| chr2 | 22141001       | 22146000     | 2.34E-06    |
| chr2 | 22208001       | 22213000     | 0.001077453 |
| chr2 | 22210001       | 22215000     | 9.73E-06    |
| chr2 | 22211001       | 22216000     | 4.59E-06    |
| chr2 | 22212001       | 22217000     | 1.24E-05    |
| chr2 | 22313001       | 22318000     | 3.63E-05    |
| chr2 | 22314001       | 22319000     | 1.45E-05    |
| chr2 | 22315001       | 22320000     | 1.46E-05    |
| chr2 | 22316001       | 22321000     | 0.00139652  |
| chr2 | 22364001       | 22369000     | 0.001965115 |
| chr2 | 22365001       | 22370000     | 0.001032271 |
| chr2 | 22366001       | 22371000     | 0.000455938 |
| chr2 | 22367001       | 22372000     | 0.000912422 |
| chr2 | 22368001       | 22373000     | 0.002547999 |
| chr2 | 22455001       | 22460000     | 4.51E-07    |
| chr2 | 22456001       | 22461000     | 6.80E-07    |
| chr2 | 22457001       | 22462000     | 7.42E-06    |
| chr2 | 22543001       | 22548000     | 2.16E-08    |
| chr2 | 22544001       | 22549000     | 7.21E-06    |
| chr2 | 22545001       | 22550000     | 4.40E-05    |
| chr2 | 22546001       | 22551000     | 2.36E-05    |
| chr2 | 22547001       | 22552000     | 8.98E-05    |
| chr2 | 22613001       | 22618000     | 0.009181745 |
| chr2 | 22614001       | 22619000     | 0.005785406 |
| chr2 | 22615001       | 22620000     | 0.002476813 |
| chr2 | 22661001       | 22666000     | 0.000530427 |
| chr2 | 22662001       | 22667000     | 0.00135671  |
| chr2 | 22664001       | 22669000     | 0.000868954 |
| chr2 | 22756001       | 22761000     | 0.000290939 |
| chr2 | 22757001       | 22762000     | 0.000243322 |
| chr2 | 22770001       | 22775000     | 0.000947502 |
| chr2 | 22787001       | 22792000     | 0.000653975 |
| chr2 | 22876001       | 22881000     | 7.17E-05    |
| chr2 | 22879001       | 22884000     | 5.20E-05    |
| chr2 | 22981001       | 22986000     | 0.000372445 |
| chr2 | 23131001       | 23136000     | 0.003276883 |
| chr2 | 23156001       | 23161000     | 1.15E-05    |
| chr2 | 23157001       | 23162000     | 0.003971159 |
| chr2 | 23251001       | 23256000     | 4.80E-06    |
| chr2 | Start | End   | Value       |
|------|-------|-------|-------------|
| 23450001 | 23450000 | 9.12E-07 |
| 23600001 | 23609000 | 5.21E-36 |
| 23611000 | 23611000 | 1.25E-50 |
| 23612000 | 23612000 | 2.23E-25 |
| 23613000 | 23613000 | 1.82E-33 |
| 23614000 | 23614000 | 1.34E-24 |
| 24042000 | 24042000 | 2.25E-05 |
| 24043000 | 24043000 | 1.65E-15 |
| 24155000 | 24155000 | 4.29E-18 |
| 24300000 | 24300000 | 5.92E-24 |
| 24301000 | 24301000 | 3.91E-23 |
| 24304000 | 24304000 | 4.18E-20 |
| 24305000 | 24305000 | 1.80E-11 |
| 24308000 | 24308000 | 1.79E-14 |
| 24309000 | 24309000 | 2.54E-08 |
| 24311000 | 24311000 | 1.11E-10 |
| 24312000 | 24312000 | 1.56E-19 |
| 24340000 | 24347000 | 2.27E-32 |
| 24348000 | 24348000 | 1.01E-34 |
| 24349000 | 24349000 | 1.06E-92 |
| 24350000 | 24350000 | 9.70E-94 |
| 24351000 | 24351000 | 8.28E-103 |
| 24714000 | 24714000 | 3.52E-26 |
| 24715000 | 24715000 | 8.66E-43 |
| 24757000 | 24757000 | 5.51E-10 |
| 24801000 | 24801000 | 0.003112443 |
| 24802000 | 24802000 | 0.003324687 |
| 24859000 | 24859000 | 0.00344077 |
| 24860000 | 24860000 | 0.000952683 |
| 24861000 | 24861000 | 0.000250193 |
| 25195000 | 25195000 | 7.18E-38 |
| 25270000 | 25270000 | 8.87E-20 |
| 25896000 | 25896000 | 1.90E-19 |
| 25897000 | 25897000 | 6.05E-22 |
| 25898000 | 25898000 | 3.91E-26 |
| 25899000 | 25899000 | 1.12E-31 |
| 25900000 | 25900000 | 5.45E-38 |
| 25901000 | 25901000 | 3.20E-37 |
| 26051000 | 26051000 | 0.004221543 |
| 26106000 | 26106000 | 6.06E-31 |
| 26210000 | 26210000 | 1.95E-19 |
| 26408000 | 26408000 | 1.44E-09 |
| 26409000 | 26409000 | 4.71E-10 |
| 26410000 | 26410000 | 7.57E-17 |
| 26473000 | 26473000 | 1.05E-15 |
| 26729000 | 26729000 | 3.66E-16 |
| 26730000 | 26730000 | 1.10E-20 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr2       | 26987001       | 26992000     | 1.15E-08|
| chr2       | 27009001       | 27014000     | 4.95E-23|
| chr2       | 27070001       | 27075000     | 3.99E-18|
| chr2       | 27071001       | 27076000     | 1.03E-17|
| chr2       | 27072001       | 27077000     | 4.45E-23|
| chr2       | 27256001       | 27261000     | 1.11E-12|
| chr2       | 27290001       | 27295000     | 1.57E-34|
| chr2       | 27291001       | 27296000     | 1.69E-35|
| chr2       | 27292001       | 27297000     | 1.94E-22|
| chr2       | 27337001       | 27342000     | 2.31E-09|
| chr2       | 27353001       | 27358000     | 5.06E-28|
| chr2       | 27354001       | 27359000     | 1.59E-28|
| chr2       | 27355001       | 27360000     | 9.16E-32|
| chr2       | 27356001       | 27361000     | 3.13E-20|
| chr2       | 27357001       | 27362000     | 3.55E-20|
| chr2       | 27436001       | 27441000     | 5.64E-33|
| chr2       | 27437001       | 27442000     | 8.03E-20|
| chr2       | 27438001       | 27443000     | 4.13E-24|
| chr2       | 27439001       | 27444000     | 1.74E-29|
| chr2       | 27440001       | 27445000     | 1.48E-30|
| chr2       | 27882001       | 27887000     | 5.20E-36|
| chr2       | 27887001       | 27892000     | 2.04E-10|
| chr2       | 27889001       | 27894000     | 2.27E-20|
| chr2       | 27890001       | 27895000     | 1.71E-19|
| chr2       | 27937001       | 27942000     | 7.02E-13|
| chr2       | 27938001       | 27943000     | 9.90E-23|
| chr2       | 27992001       | 27997000     | 5.77E-30|
| chr2       | 27993001       | 27998000     | 2.31E-42|
| chr2       | 27994001       | 27999000     | 1.84E-34|
| chr2       | 29093001       | 29098000     | 2.51E-22|
| chr2       | 29113001       | 29118000     | 4.88E-33|
| chr2       | 29533001       | 29538000     | 1.74E-14|
| chr2       | 29534001       | 29539000     | 1.63E-13|
| chr2       | 29535001       | 29540000     | 5.37E-15|
| chr2       | 29536001       | 29541000     | 2.90E-13|
| chr2       | 29729001       | 29734000     | 6.22E-08|
| chr2       | 29730001       | 29735000     | 1.44E-10|
| chr2       | 29731001       | 29736000     | 4.64E-12|
| chr2       | 29751001       | 29756000     | 2.11E-13|
| chr2       | 29762001       | 29767000     | 4.76E-05|
| chr2       | 29777001       | 29782000     | 0.000539512|
| chr2       | 29779001       | 29784000     | 0.012160244|
| chr2       | 29865001       | 29870000     | 1.99E-10|
| chr2       | 29880001       | 29885000     | 3.73E-05|
| chr2       | 30045001       | 30050000     | 0.001661363|
| chr2       | 30240001       | 30245000     | 3.12E-06|
| chr2       | 30255001       | 30260000     | 3.18E-08|
| chr2       | 30669001       | 30674000     | 7.91E-40|
| Chromosome | Position1 | Position2 | Score   |
|------------|-----------|-----------|---------|
| chr2       | 30670001  | 30675000  | 5.10E-46|
| chr2       | 30704001  | 30709000  | 4.11E-08|
| chr2       | 31015001  | 31020000  | 0.002312677|
| chr2       | 31356001  | 31361000  | 8.91E-29|
| chr2       | 31358001  | 31363000  | 2.22E-35|
| chr2       | 31359001  | 31364000  | 8.95E-37|
| chr2       | 31360001  | 31365000  | 4.07E-46|
| chr2       | 31361001  | 31366000  | 5.50E-37|
| chr2       | 31452001  | 31457000  | 1.42E-52|
| chr2       | 31453001  | 31458000  | 3.54E-29|
| chr2       | 31454001  | 31459000  | 2.61E-25|
| chr2       | 31456001  | 31461000  | 1.56E-13|
| chr2       | 31674001  | 31679000  | 0.001349946|
| chr2       | 31949001  | 31954000  | 6.38E-08|
| chr2       | 31951001  | 31956000  | 0.000382255|
| chr2       | 32230001  | 32235000  | 2.71E-21|
| chr2       | 32231001  | 32236000  | 6.80E-47|
| chr2       | 32235001  | 32240000  | 2.04E-25|
| chr2       | 32577001  | 32582000  | 1.54E-08|
| chr2       | 32578001  | 32583000  | 1.04E-25|
| chr2       | 32579001  | 32584000  | 7.41E-10|
| chr2       | 32580001  | 32585000  | 3.86E-24|
| chr2       | 32581001  | 32586000  | 1.16E-20|
| chr2       | 32582001  | 32587000  | 9.94E-37|
| chr2       | 33172001  | 33177000  | 1.79E-46|
| chr2       | 33820001  | 33825000  | 1.21E-35|
| chr2       | 33824001  | 33829000  | 1.13E-44|
| chr2       | 33912001  | 33917000  | 2.54E-11|
| chr2       | 34251001  | 34256000  | 0.007897731|
| chr2       | 34252001  | 34257000  | 0.001957736|
| chr2       | 34253001  | 34258000  | 0.010620841|
| chr2       | 34416001  | 34421000  | 6.67E-05|
| chr2       | 34479001  | 34484000  | 9.30E-05|
| chr2       | 34534001  | 34539000  | 1.57E-08|
| chr2       | 34535001  | 34540000  | 8.90E-06|
| chr2       | 34820001  | 34825000  | 0.001479915|
| chr2       | 35005001  | 35010000  | 0.002942369|
| chr2       | 35006001  | 35011000  | 0.005817341|
| chr2       | 35735001  | 35740000  | 3.18E-05|
| chr2       | 35736001  | 35741000  | 1.20E-06|
| chr2       | 36032001  | 36037000  | 2.50E-05|
| chr2       | 36378001  | 36383000  | 0.000253865|
| chr2       | 36458001  | 36463000  | 0.000926302|
| chr2       | 36459001  | 36464000  | 0.001055649|
| chr2       | 36460001  | 36465000  | 0.000914878|
| chr2       | 36463001  | 36468000  | 9.73E-15|
| chr2       | 36464001  | 36469000  | 2.49E-15|
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr2       | 36465001       | 36470000     | 2.11E-14 |
| chr2       | 36466001       | 36471000     | 2.97E-13 |
| chr2       | 36508001       | 36513000     | 5.29E-05 |
| chr2       | 36599001       | 36604000     | 2.99E-18 |
| chr2       | 36600001       | 36605000     | 1.13E-12 |
| chr2       | 36601001       | 36606000     | 2.38E-13 |
| chr2       | 36602001       | 36607000     | 6.42E-15 |
| chr2       | 36937001       | 36942000     | 9.97E-13 |
| chr2       | 36938001       | 36943000     | 3.23E-12 |
| chr2       | 36939001       | 36944000     | 2.62E-10 |
| chr2       | 37189001       | 37194000     | 1.28E-45 |
| chr2       | 37307001       | 37312000     | 6.63E-34 |
| chr2       | 37382001       | 37387000     | 6.96E-13 |
| chr2       | 37383001       | 37388000     | 2.79E-15 |
| chr2       | 37419001       | 37424000     | 1.93E-23 |
| chr2       | 37552001       | 37557000     | 5.11E-25 |
| chr2       | 37568001       | 37573000     | 9.31E-28 |
| chr2       | 37569001       | 37574000     | 1.03E-35 |
| chr2       | 37570001       | 37575000     | 3.32E-32 |
| chr2       | 37571001       | 37576000     | 3.17E-33 |
| chr2       | 37572001       | 37577000     | 4.76E-37 |
| chr2       | 37690001       | 37695000     | 0.003552458 |
| chr2       | 37898001       | 37903000     | 3.00E-27 |
| chr2       | 37899001       | 37904000     | 3.87E-31 |
| chr2       | 38148001       | 38153000     | 1.54E-30 |
| chr2       | 38152001       | 38157000     | 7.89E-38 |
| chr2       | 38375001       | 38380000     | 8.16E-09 |
| chr2       | 38604001       | 38609000     | 1.80E-32 |
| chr2       | 39098001       | 39103000     | 2.92E-18 |
| chr2       | 39893001       | 39898000     | 1.27E-43 |
| chr2       | 40022001       | 40027000     | 0.022303066 |
| chr2       | 40023001       | 40028000     | 0.007806191 |
| chr2       | 40024001       | 40029000     | 0.013757079 |
| chr2       | 41099001       | 41014000     | 1.11E-14 |
| chr2       | 41389001       | 41394000     | 0.00152301 |
| chr2       | 42068001       | 42073000     | 1.05E-30 |
| chr2       | 42270001       | 42275000     | 1.24E-11 |
| chr2       | 42392001       | 42397000     | 2.19E-37 |
| chr2       | 42393001       | 42398000     | 9.09E-33 |
| chr2       | 42394001       | 42399000     | 1.86E-27 |
| chr2       | 42721001       | 42726000     | 3.61E-31 |
| chr2       | 43453001       | 43458000     | 4.83E-51 |
| chr2       | 43454001       | 43459000     | 1.95E-44 |
| chr2       | 43862001       | 43867000     | 1.56E-28 |
| chr2       | 43863001       | 43868000     | 7.30E-49 |
| chr2       | 43864001       | 43869000     | 7.93E-76 |
| chr2       | 43899001       | 43904000     | 8.39E-28 |
| chr2       | 43900001       | 43905000     | 4.61E-18 |
| Chr  | Start  | End    | Value       |
|------|--------|--------|-------------|
| chr2 | 44391001 | 44396000 | 1.20E-48    |
| chr2 | 44392001 | 44397000 | 1.04E-58    |
| chr2 | 44589001 | 44594000 | 2.41E-34    |
| chr2 | 44678001 | 44683000 | 0.012820205 |
| chr2 | 44679001 | 44684000 | 0.013612913 |
| chr2 | 44680001 | 44685000 | 3.97E-08    |
| chr2 | 44899001 | 44904000 | 0.001636787 |
| chr2 | 45392001 | 45397000 | 1.26E-77    |
| chr2 | 45873001 | 45878000 | 6.20E-36    |
| chr2 | 46439001 | 46444000 | 0.010684911 |
| chr2 | 46499001 | 46504000 | 2.07E-10    |
| chr2 | 46500001 | 46505000 | 3.32E-08    |
| chr2 | 46501001 | 46506000 | 6.15E-11    |
| chr2 | 46503001 | 46508000 | 1.87E-16    |
| chr2 | 46520001 | 46525000 | 1.07E-13    |
| chr2 | 46770001 | 46775000 | 2.99E-16    |
| chr2 | 46839001 | 46844000 | 2.14E-42    |
| chr2 | 46840001 | 46845000 | 1.08E-42    |
| chr2 | 46841001 | 46846000 | 4.75E-58    |
| chr2 | 46842001 | 46847000 | 1.22E-54    |
| chr2 | 46843001 | 46848000 | 8.31E-33    |
| chr2 | 46922001 | 46927000 | 1.72E-33    |
| chr2 | 46925001 | 46930000 | 5.23E-61    |
| chr2 | 46926001 | 46931000 | 6.36E-81    |
| chr2 | 46927001 | 46932000 | 1.27E-11    |
| chr2 | 47138001 | 47143000 | 3.09E-18    |
| chr2 | 47163001 | 47168000 | 3.46E-14    |
| chr2 | 47592001 | 47597000 | 8.92E-16    |
| chr2 | 47593001 | 47598000 | 7.48E-11    |
| chr2 | 47594001 | 47599000 | 1.76E-16    |
| chr2 | 47595001 | 47600000 | 2.05E-19    |
| chr2 | 48010001 | 48015000 | 7.34E-29    |
| chr2 | 48011001 | 48016000 | 2.64E-15    |
| chr2 | 48212001 | 48217000 | 4.48E-06    |
| chr2 | 48213001 | 48218000 | 2.31E-06    |
| chr2 | 48220001 | 48225000 | 0.00425651  |
| chr2 | 48221001 | 48226000 | 0.001840247 |
| chr2 | 48537001 | 48542000 | 7.06E-34    |
| chr2 | 48541001 | 48546000 | 1.14E-60    |
| chr2 | 48542001 | 48547000 | 1.98E-54    |
| chr2 | 48665001 | 48670000 | 6.15E-48    |
| chr2 | 48666001 | 48671000 | 1.48E-36    |
| chr2 | 48668001 | 48673000 | 7.79E-17    |
| chr2 | 48817001 | 48822000 | 2.83E-06    |
| chr2 | 48863001 | 48868000 | 1.14E-05    |
| chr2 | 48865001 | 48870000 | 3.39E-05    |
| chr2 | 49394001 | 49399000 | 1.46E-06    |
| chr2 | 49542001 | 49547000 | 1.22E-05    |
| chr2 | Start (bp) | End (bp) | P-value |
|------|------------|----------|---------|
| 56753001 | 56758000 | 2.54E-05 |
| 56754001 | 56759000 | 0.00279849 |
| 57464001 | 57469000 | 7.77E-52 |
| 57770001 | 57775000 | 1.38E-34 |
| 57946001 | 57951000 | 4.38E-10 |
| 57948001 | 57953000 | 0.000114664 |
| 58166001 | 58171000 | 0.006639338 |
| 58269001 | 58274000 | 1.47E-40 |
| 58270001 | 58275000 | 0.000114247 |
| 58407001 | 58412000 | 0.000114247 |
| 58463001 | 58468000 | 1.13E-07 |
| 58466001 | 58471000 | 1.15E-48 |
| 58467001 | 58472000 | 9.40E-49 |
| 58468001 | 58473000 | 5.80E-55 |
| 58918001 | 58923000 | 4.82E-06 |
| 59128001 | 59133000 | 7.75E-05 |
| 59129001 | 59134000 | 0.00321086 |
| 59365001 | 59370000 | 0.000356817 |
| 59366001 | 59371000 | 0.000169824 |
| 59445001 | 59450000 | 0.007092979 |
| 59446001 | 59451000 | 0.004495561 |
| 59497001 | 59502000 | 0.00126846 |
| 59498001 | 59503000 | 0.006713208 |
| 59499001 | 59504000 | 8.59E-05 |
| 59500001 | 59505000 | 9.18E-06 |
| 59501001 | 59506000 | 0.00019899 |
| 59543001 | 59548000 | 0.000981863 |
| 59544001 | 59549000 | 0.000866117 |
| 59545001 | 59550000 | 0.00079027 |
| 59546001 | 59551000 | 0.0006684 |
| 60022001 | 60027000 | 7.19E-05 |
| 60023001 | 60028000 | 2.71E-05 |
| 60143001 | 60148000 | 0.000193041 |
| 60145001 | 60150000 | 2.10E-05 |
| 60211001 | 60216000 | 3.40E-05 |
| 60250001 | 60255000 | 1.11E-10 |
| 60325001 | 60330000 | 9.72E-12 |
| 60326001 | 60331000 | 1.71E-09 |
| 60327001 | 60332000 | 4.74E-10 |
| 60382001 | 60387000 | 0.000709529 |
| 60410001 | 60415000 | 1.95E-05 |
| 60428001 | 60433000 | 8.87E-12 |
| 60429001 | 60434000 | 8.39E-17 |
| 60430001 | 60435000 | 1.79E-11 |
| 60431001 | 60436000 | 1.26E-06 |
| Chr | Start | End   | Value       |
|-----|-------|-------|-------------|
| chr2 | 60432001 | 60437000 | 4.30E-07    |
| chr2 | 60640001 | 60645000 | 4.24E-11    |
| chr2 | 61226001 | 61231000 | 0.000955427 |
| chr2 | 61227001 | 61232000 | 8.09E-06    |
| chr2 | 61228001 | 61233000 | 1.65E-11    |
| chr2 | 61290001 | 61234000 | 1.43E-10    |
| chr2 | 61293001 | 61298000 | 1.87E-70    |
| chr2 | 61693001 | 61698000 | 9.78E-49    |
| chr2 | 61694001 | 61699000 | 2.54E-61    |
| chr2 | 61695001 | 61700000 | 2.56E-54    |
| chr2 | 61765001 | 61770000 | 1.45E-17    |
| chr2 | 61917001 | 61922000 | 4.53E-14    |
| chr2 | 62128001 | 62133000 | 8.65E-31    |
| chr2 | 62129001 | 62134000 | 5.75E-28    |
| chr2 | 62197001 | 62202000 | 2.74E-10    |
| chr2 | 62198001 | 62203000 | 1.16E-12    |
| chr2 | 62277001 | 62282000 | 0.002320133 |
| chr2 | 62278001 | 62283000 | 0.003776809 |
| chr2 | 62326001 | 62331000 | 2.87E-09    |
| chr2 | 62419001 | 62424000 | 1.17E-17    |
| chr2 | 62728001 | 62733000 | 2.58E-49    |
| chr2 | 62729001 | 62734000 | 1.22E-104   |
| chr2 | 62730001 | 62735000 | 1.56E-98    |
| chr2 | 62731001 | 62736000 | 1.87E-67    |
| chr2 | 62732001 | 62737000 | 9.21E-70    |
| chr2 | 62733001 | 62738000 | 3.70E-58    |
| chr2 | 62929001 | 62934000 | 9.60E-31    |
| chr2 | 62933001 | 62938000 | 5.17E-33    |
| chr2 | 63050001 | 63055000 | 0.006762852 |
| chr2 | 63271001 | 63276000 | 7.33E-17    |
| chr2 | 63287001 | 63292000 | 1.66E-18    |
| chr2 | 63356001 | 63361000 | 0.001736826 |
| chr2 | 63534001 | 63539000 | 3.54E-05    |
| chr2 | 63664001 | 63669000 | 0.014965975 |
| chr2 | 63811001 | 63816000 | 9.05E-51    |
| chr2 | 64063001 | 64068000 | 2.54E-32    |
| chr2 | 64064001 | 64069000 | 9.34E-40    |
| chr2 | 64246001 | 64251000 | 5.36E-44    |
| chr2 | 64677001 | 64682000 | 3.81E-45    |
| chr2 | 64681001 | 64686000 | 6.97E-63    |
| chr2 | 64871001 | 64876000 | 1.03E-21    |
| chr2 | 64872001 | 64877000 | 7.09E-13    |
| chr2 | 64876001 | 64881000 | 1.11E-50    |
| chr2 | 64880001 | 64885000 | 7.60E-78    |
| chr2 | 64881001 | 64886000 | 3.00E-64    |
| chr2 | 64899001 | 64904000 | 3.96E-06    |
| chr2 | 64995001 | 65000000 | 1.40E-41    |
| chr2 | 65088001 | 65093000 | 1.20E-07    |
| Chromosome | Start | End   | p-Value  |
|------------|-------|-------|----------|
| chr2       | 65279001 | 65284000 | 1.49E-21 |
| chr2       | 65653001 | 65658000 | 2.21E-29 |
| chr2       | 65654001 | 65659000 | 3.24E-54 |
| chr2       | 65655001 | 65660000 | 4.94E-47 |
| chr2       | 65676001 | 65681000 | 3.78E-07 |
| chr2       | 65677001 | 65682000 | 5.50E-07 |
| chr2       | 65678001 | 65683000 | 1.78E-06 |
| chr2       | 66030001 | 66035000 | 0.01385398 |
| chr2       | 66629001 | 66634000 | 0.000175678 |
| chr2       | 66631001 | 66636000 | 0.000231523 |
| chr2       | 66632001 | 66637000 | 4.10E-06 |
| chr2       | 67068001 | 67073000 | 2.66E-05 |
| chr2       | 67163001 | 67168000 | 0.009581333 |
| chr2       | 67595001 | 67600000 | 7.29E-08 |
| chr2       | 67620001 | 67625000 | 1.13E-42 |
| chr2       | 68148001 | 68153000 | 0.000380059 |
| chr2       | 68385001 | 68390000 | 1.98E-43 |
| chr2       | 68615001 | 68620000 | 2.79E-07 |
| chr2       | 68616001 | 68621000 | 4.51E-07 |
| chr2       | 68623001 | 68628000 | 2.50E-05 |
| chr2       | 68624001 | 68629000 | 5.98E-11 |
| chr2       | 68625001 | 68630000 | 1.68E-07 |
| chr2       | 68715001 | 68720000 | 3.43E-07 |
| chr2       | 68731001 | 68736000 | 6.11E-07 |
| chr2       | 68732001 | 68737000 | 5.42E-06 |
| chr2       | 68748001 | 68753000 | 0.001748576 |
| chr2       | 68782001 | 68787000 | 7.76E-06 |
| chr2       | 68865001 | 68870000 | 3.50E-47 |
| chr2       | 68867001 | 68872000 | 1.71E-42 |
| chr2       | 68868001 | 68873000 | 3.09E-35 |
| chr2       | 68869001 | 68874000 | 3.65E-25 |
| chr2       | 68917001 | 68922000 | 1.72E-05 |
| chr2       | 69166001 | 69171000 | 6.08E-21 |
| chr2       | 69226001 | 69231000 | 5.70E-05 |
| chr2       | 69272001 | 69277000 | 8.88E-05 |
| chr2       | 69614001 | 69619000 | 3.96E-41 |
| chr2       | 69664001 | 69669000 | 4.24E-23 |
| chr2       | 70052001 | 70057000 | 1.99E-35 |
| chr2       | 70062001 | 70067000 | 0.00058475 |
| chr2       | 70137001 | 70142000 | 1.55E-55 |
| chr2       | 70524001 | 70529000 | 1.23E-52 |
| chr2       | 70525001 | 70530000 | 9.34E-50 |
| chr2       | 70526001 | 70531000 | 3.12E-47 |
| chr2       | 70527001 | 70532000 | 2.28E-33 |
| chr2       | 70776001 | 70781000 | 7.20E-47 |
| chr2       | 70777001 | 70782000 | 3.28E-47 |
| chr2       | 70778001 | 70783000 | 6.67E-36 |
| chr2       | 70990001 | 70995000 | 2.14E-92 |
| chr2  | 70991001 | 70996000 | 3.72E-103 |
| chr2  | 70992001 | 70997000 | 1.66E-67  |
| chr2  | 70993001 | 70998000 | 1.04E-24  |
| chr2  | 70994001 | 70999000 | 1.24E-18  |
| chr2  | 71094001 | 71099000 | 1.79E-21  |
| chr2  | 71134001 | 71139000 | 9.00E-19  |
| chr2  | 71693001 | 71698000 | 9.12E-34  |
| chr2  | 71694001 | 71699000 | 7.01E-21  |
| chr2  | 72131001 | 72136000 | 0.000116673 |
| chr2  | 72132001 | 72137000 | 0.000383093 |
| chr2  | 72572001 | 72577000 | 0.004310788 |
| chr2  | 73089001 | 73094000 | 1.66E-11  |
| chr2  | 73110001 | 73115000 | 3.23E-19  |
| chr2  | 73294001 | 73299000 | 1.30E-46  |
| chr2  | 73339001 | 73344000 | 8.72E-31  |
| chr2  | 73340001 | 73345000 | 7.19E-23  |
| chr2  | 73379001 | 73384000 | 7.96E-07  |
| chr2  | 73380001 | 73385000 | 7.30E-07  |
| chr2  | 73381001 | 73386000 | 2.32E-06  |
| chr2  | 73507001 | 73512000 | 1.87E-08  |
| chr2  | 73508001 | 73513000 | 8.38E-11  |
| chr2  | 73509001 | 73514000 | 5.33E-12  |
| chr2  | 73510001 | 73515000 | 2.40E-16  |
| chr2  | 73511001 | 73516000 | 2.49E-21  |
| chr2  | 73613001 | 73618000 | 4.23E-29  |
| chr2  | 74004001 | 74009000 | 7.22E-31  |
| chr2  | 74005001 | 74010000 | 4.08E-33  |
| chr2  | 74343001 | 74348000 | 3.07E-40  |
| chr2  | 74344001 | 74349000 | 5.59E-50  |
| chr2  | 74345001 | 74350000 | 8.76E-50  |
| chr2  | 74405001 | 74410000 | 7.87E-16  |
| chr2  | 74421001 | 74426000 | 2.23E-33  |
| chr2  | 74422001 | 74427000 | 2.83E-29  |
| chr2  | 74423001 | 74428000 | 2.18E-27  |
| chr2  | 74425001 | 74430000 | 2.07E-20  |
| chr2  | 74688001 | 74693000 | 6.08E-16  |
| chr2  | 74705001 | 74710000 | 1.68E-32  |
| chr2  | 74755001 | 74760000 | 2.40E-25  |
| chr2  | 74756001 | 74761000 | 1.06E-20  |
| chr2  | 74772001 | 74777000 | 6.84E-20  |
| chr2  | 74773001 | 74778000 | 9.91E-17  |
| chr2  | 74774001 | 74779000 | 6.03E-23  |
| chr2  | 74775001 | 74780000 | 2.88E-18  |
| chr2  | 74776001 | 74781000 | 7.66E-14  |
| chr2  | 74778001 | 74783000 | 3.21E-09  |
| chr2  | 74877001 | 74882000 | 1.44E-35  |
| chr2  | 74881001 | 74886000 | 7.73E-23  |
| chr2  | 75057001 | 75062000 | 1.74E-20  |
| Chr2 | Start | End   | p-value  |
|------|-------|-------|----------|
| chr2 | 75058001 | 75063000 | 1.32E-08 |
| chr2 | 75061001 | 75066000 | 8.90E-51 |
| chr2 | 75062001 | 75067000 | 3.83E-24 |
| chr2 | 75181001 | 75186000 | 4.29E-41 |
| chr2 | 75182001 | 75187000 | 8.42E-32 |
| chr2 | 75183001 | 75188000 | 2.81E-60 |
| chr2 | 75184001 | 75189000 | 3.09E-63 |
| chr2 | 75185001 | 75190000 | 8.98E-67 |
| chr2 | 75423001 | 75428000 | 3.93E-37 |
| chr2 | 75427001 | 75432000 | 1.27E-57 |
| chr2 | 75475001 | 75480000 | 9.11E-05 |
| chr2 | 75476001 | 75481000 | 2.05E-05 |
| chr2 | 75477001 | 75482000 | 0.004678065 |
| chr2 | 75783001 | 75788000 | 1.46E-32 |
| chr2 | 75784001 | 75789000 | 1.48E-28 |
| chr2 | 75785001 | 75790000 | 3.03E-28 |
| chr2 | 75786001 | 75791000 | 8.19E-29 |
| chr2 | 75787001 | 75792000 | 2.14E-36 |
| chr2 | 76369001 | 76374000 | 0.001340203 |
| chr2 | 76370001 | 76375000 | 0.013274077 |
| chr2 | 76511001 | 76516000 | 0.000680966 |
| chr2 | 76512001 | 76517000 | 0.006227974 |
| chr2 | 77480001 | 77485000 | 0.002196395 |
| chr2 | 77481001 | 77486000 | 0.002545868 |
| chr2 | 77482001 | 77487000 | 0.001958993 |
| chr2 | 77776001 | 77781000 | 0.014149092 |
| chr2 | 77869001 | 77874000 | 4.37E-06 |
| chr2 | 77870001 | 77875000 | 3.14E-07 |
| chr2 | 77871001 | 77876000 | 1.79E-08 |
| chr2 | 77872001 | 77877000 | 2.75E-07 |
| chr2 | 78020001 | 78025000 | 0.014991855 |
| chr2 | 78065001 | 78070000 | 0.017378726 |
| chr2 | 78638001 | 78643000 | 0.006203114 |
| chr2 | 78639001 | 78644000 | 0.000673437 |
| chr2 | 78894001 | 78899000 | 0.00217637 |
| chr2 | 79214001 | 79219000 | 3.63E-08 |
| chr2 | 79456001 | 79461000 | 3.08E-06 |
| chr2 | 79507001 | 79512000 | 1.12E-06 |
| chr2 | 80273001 | 80278000 | 1.17E-05 |
| chr2 | 80274001 | 80279000 | 6.81E-08 |
| chr2 | 80275001 | 80280000 | 2.93E-12 |
| chr2 | 80276001 | 80281000 | 7.84E-12 |
| chr2 | 80287001 | 80292000 | 0.001943837 |
| chr2 | 80640001 | 80645000 | 4.82E-05 |
| chr2 | 80897001 | 80902000 | 0.001441497 |
| chr2 | 81030001 | 81035000 | 2.31E-05 |
| chr2 | 81031001 | 81036000 | 0.000127869 |
| chr2 | 81165001 | 81170000 | 0.000539617 |
| Gene   | Start   | End     | Value   |
|--------|---------|---------|---------|
| chr2   | 81316001| 81321000| 0.000218168 |
| chr2   | 81317001| 81322000| 0.002012525 |
| chr2   | 81318001| 81323000| 0.001249908 |
| chr2   | 81319001| 81324000| 3.78E-06 |
| chr2   | 81320001| 81325000| 0.005003998 |
| chr2   | 81321001| 81326000| 0.0047038 |
| chr2   | 81322001| 81327000| 0.00125779 |
| chr2   | 81323001| 81328000| 1.75E-05 |
| chr2   | 81324001| 81329000| 1.46E-05 |
| chr2   | 81325001| 81330000| 0.00304148 |
| chr2   | 81326001| 81331000| 3.06E-05 |
| chr2   | 81327001| 81332000| 0.000539652 |
| chr2   | 81328001| 81333000| 0.001307844 |
| chr2   | 81329001| 81334000| 0.000635088 |
| chr2   | 81330001| 81335000| 0.005217593 |
| chr2   | 81331001| 81336000| 2.60E-05 |
| chr2   | 81332001| 81337000| 3.5E-08 |
| chr2   | 81333001| 81338000| 0.000589349 |
| chr2   | 81334001| 81339000| 0.000170971 |
| chr2   | 81335001| 81340000| 0.00509102 |
| chr2   | 81336001| 81341000| 4.74E-06 |
| chr2   | 81337001| 81342000| 1.40E-12 |
| chr2   | 81338001| 81343000| 3.75E-13 |
| chr2   | 81339001| 81344000| 0.002353178 |
| chr2   | 81340001| 81345000| 0.00137646 |
| chr2   | 81341001| 81346000| 0.000443975 |
| chr2   | 81342001| 81347000| 1.23E-06 |
| chr2   | 81343001| 81348000| 1.05E-07 |
| chr2   | 81344001| 81349000| 5.59E-06 |
| chr2   | 81345001| 81350000| 9.29E-09 |
| chr2   | 81346001| 81351000| 3.21E-08 |
| chr2   | 81347001| 81352000| 5.16E-07 |
| chr2   | 81348001| 81353000| 9.16E-09 |
| chr2   | 81349001| 81354000| 5.92E-05 |
| chr2   | 81350001| 81355000| 0.003860939 |
| chr2   | 81351001| 81356000| 0.000219873 |
| chr2   | 81352001| 81357000| 2.33E-05 |
| Chromosome | Start | End   | Value |
|------------|-------|-------|-------|
| chr2       | 84948001 | 84953000 | 6.95E-07 |
| chr2       | 84950001 | 84955000 | 7.53E-09 |
| chr2       | 84982001 | 84987000 | 0.000100973 |
| chr2       | 84983001 | 84988000 | 1.60E-06 |
| chr2       | 84997001 | 85002000 | 0.00072337 |
| chr2       | 84998001 | 85003000 | 7.00E-05 |
| chr2       | 84999001 | 85004000 | 0.001846393 |
| chr2       | 85837001 | 85842000 | 6.57E-18 |
| chr2       | 85838001 | 85843000 | 7.10E-22 |
| chr2       | 85839001 | 85844000 | 1.31E-30 |
| chr2       | 86115001 | 86120000 | 6.37E-35 |
| chr2       | 86635001 | 86640000 | 7.97E-10 |
| chr2       | 86636001 | 86641000 | 5.61E-08 |
| chr2       | 86637001 | 86642000 | 1.17E-12 |
| chr2       | 86638001 | 86643000 | 1.33E-12 |
| chr2       | 86639001 | 86644000 | 1.54E-17 |
| chr2       | 86640001 | 86645000 | 2.44E-08 |
| chr2       | 86641001 | 86646000 | 1.75E-06 |
| chr2       | 86663001 | 86668000 | 8.78E-29 |
| chr2       | 86664001 | 86669000 | 1.18E-35 |
| chr2       | 86669001 | 86674000 | 6.22E-31 |
| chr2       | 86790001 | 86795000 | 5.39E-38 |
| chr2       | 86850001 | 86855000 | 4.29E-38 |
| chr2       | 86882001 | 86887000 | 0.00152199 |
| chr2       | 86883001 | 86888000 | 1.66E-05 |
| chr2       | 86884001 | 86889000 | 3.95E-08 |
| chr2       | 86885001 | 86890000 | 1.28E-10 |
| chr2       | 86942001 | 86947000 | 1.86E-09 |
| chr2       | 86943001 | 86948000 | 4.40E-60 |
| chr2       | 86944001 | 86949000 | 1.44E-41 |
| chr2       | 86945001 | 86950000 | 3.64E-36 |
| chr2       | 86946001 | 86951000 | 6.02E-20 |
| chr2       | 87043001 | 87048000 | 0.005558591 |
| chr2       | 87086001 | 87091000 | 2.95E-17 |
| chr2       | 87087001 | 87092000 | 8.27E-28 |
| chr2       | 87088001 | 87093000 | 1.32E-20 |
| chr2       | 87298001 | 87303000 | 3.31E-33 |
| chr2       | 87303001 | 87308000 | 2.35E-54 |
| chr2       | 87330001 | 87335000 | 3.42E-05 |
| chr2       | 87333001 | 87338000 | 0.000907202 |
| chr2       | 87637001 | 87642000 | 9.21E-12 |
| chr2       | 87880001 | 87885000 | 1.58E-27 |
| chr2       | 87881001 | 87886000 | 6.05E-28 |
| chr2       | 87882001 | 87887000 | 4.65E-34 |
| chr2       | 87883001 | 87888000 | 3.76E-34 |
| chr2       | 88350001 | 88355000 | 3.33E-28 |
| chr2       | 88351001 | 88356000 | 3.22E-54 |
| chr2       | 88352001 | 88357000 | 2.23E-50 |
| Chr | Start | End   | P-Value   |
|-----|-------|-------|-----------|
| chr2| 88353001 | 88358000 | 9.35E-58  |
| chr2| 88354001 | 88359000 | 3.00E-70  |
| chr2| 88355001 | 88360000 | 2.21E-77  |
| chr2| 88498001 | 88503000 | 1.11E-14  |
| chr2| 88499001 | 88504000 | 4.29E-14  |
| chr2| 88500001 | 88505000 | 2.59E-19  |
| chr2| 88631001 | 88636000 | 3.83E-11  |
| chr2| 88633001 | 88638000 | 8.47E-06  |
| chr2| 88922001 | 88927000 | 6.47E-29  |
| chr2| 88926001 | 88931000 | 1.42E-47  |
| chr2| 88927001 | 88932000 | 1.98E-34  |
| chr2| 89091001 | 89096000 | 0.000375409 |
| chr2| 89443001 | 89448000 | 2.62E-08  |
| chr2| 89530001 | 89535000 | 2.28E-05  |
| chr2| 89827001 | 89832000 | 4.40E-18  |
| chr2| 89828001 | 89833000 | 3.89E-34  |
| chr2| 89829001 | 89834000 | 9.70E-40  |
| chr2| 89830001 | 89835000 | 8.73E-40  |
| chr2| 89831001 | 89836000 | 4.30E-34  |
| chr2| 89837001 | 89842000 | 1.12E-42  |
| chr2| 89838001 | 89843000 | 4.00E-77  |
| chr2| 89839001 | 89844000 | 2.97E-85  |
| chr2| 89840001 | 89845000 | 2.62E-66  |
| chr2| 89841001 | 89846000 | 3.69E-65  |
| chr2| 89850001 | 89855000 | 2.69E-19  |
| chr2| 89851001 | 89856000 | 1.44E-20  |
| chr2| 89950001 | 89955000 | 0.002612631 |
| chr2| 90050001 | 90055000 | 0.000167465 |
| chr2| 90051001 | 90056000 | 0.000307712 |
| chr2| 90122001 | 90127000 | 0.001569425 |
| chr2| 90377001 | 90382000 | 1.94E-40  |
| chr2| 90378001 | 90383000 | 2.55E-40  |
| chr2| 90379001 | 90384000 | 2.55E-40  |
| chr2| 90380001 | 90385000 | 2.55E-40  |
| chr2| 90381001 | 90386000 | 2.55E-40  |
| chr2| 90444001 | 90449000 | 8.80E-20  |
| chr2| 91705001 | 91710000 | 7.19E-07  |
| chr2| 91706001 | 91711000 | 1.99E-11  |
| chr2| 91707001 | 91712000 | 2.04E-11  |
| chr2| 91737001 | 91742000 | 1.07E-06  |
| chr2| 91993001 | 91998000 | 2.50E-26  |
| chr2| 91994001 | 91999000 | 2.50E-26  |
| chr2| 91995001 | 92000000 | 6.39E-27  |
| chr2| 92240001 | 92245000 | 2.67E-08  |
| chr2| 92270001 | 92275000 | 5.25E-18  |
| chr2| 92271001 | 92276000 | 3.78E-16  |
| chr2| 95576001 | 95581000 | 0.002408518 |
| chr2| 95785001 | 95790000 | 1.18E-28  |
| Chromosome | Start Position | End Position | Score |
|------------|----------------|--------------|-------|
| chr2       | 95786001       | 95791000     | 5.40E-42 |
| chr2       | 95787001       | 95792000     | 8.82E-52 |
| chr2       | 95820001       | 95825000     | 6.46E-08 |
| chr2       | 95821001       | 95826000     | 1.62E-16 |
| chr2       | 95822001       | 95827000     | 1.47E-15 |
| chr2       | 95828001       | 95833000     | 9.02E-13 |
| chr2       | 95829001       | 95834000     | 4.52E-10 |
| chr2       | 95830001       | 95835000     | 8.69E-25 |
| chr2       | 95831001       | 95836000     | 1.99E-22 |
| chr2       | 95871001       | 95876000     | 6.62E-18 |
| chr2       | 95872001       | 95877000     | 6.44E-32 |
| chr2       | 95873001       | 95878000     | 3.08E-34 |
| chr2       | 96064001       | 96069000     | 7.58E-48 |
| chr2       | 96065001       | 96070000     | 3.58E-40 |
| chr2       | 96088001       | 96093000     | 0.000422807 |
| chr2       | 96089001       | 96094000     | 2.91E-06 |
| chr2       | 96090001       | 96095000     | 1.46E-06 |
| chr2       | 96093001       | 96098000     | 2.23E-08 |
| chr2       | 96190001       | 96195000     | 9.18E-26 |
| chr2       | 96191001       | 96196000     | 5.09E-19 |
| chr2       | 96192001       | 96197000     | 1.36E-22 |
| chr2       | 96484001       | 96489000     | 1.07E-07 |
| chr2       | 96653001       | 96658000     | 1.25E-45 |
| chr2       | 96654001       | 96659000     | 3.81E-43 |
| chr2       | 96655001       | 96660000     | 1.76E-28 |
| chr2       | 96656001       | 96661000     | 2.74E-28 |
| chr2       | 96657001       | 96662000     | 2.91E-26 |
| chr2       | 96927001       | 96932000     | 5.11E-16 |
| chr2       | 96928001       | 96933000     | 5.62E-20 |
| chr2       | 96931001       | 96936000     | 5.91E-17 |
| chr2       | 96985001       | 96990000     | 4.04E-18 |
| chr2       | 96986001       | 96991000     | 1.26E-20 |
| chr2       | 96987001       | 96992000     | 3.74E-09 |
| chr2       | 96999001       | 97004000     | 1.25E-30 |
| chr2       | 97001001       | 97006000     | 1.33E-22 |
| chr2       | 97478001       | 97483000     | 7.67E-29 |
| chr2       | 97519001       | 97524000     | 7.78E-17 |
| chr2       | 97520001       | 97525000     | 1.25E-21 |
| chr2       | 97521001       | 97526000     | 6.88E-25 |
| chr2       | 97534001       | 97539000     | 2.17E-09 |
| chr2       | 97535001       | 97540000     | 1.17E-09 |
| chr2       | 97774001       | 97779000     | 2.80E-26 |
| chr2       | 97775001       | 97780000     | 4.36E-30 |
| chr2       | 97776001       | 97781000     | 1.46E-52 |
| chr2       | 97777001       | 97782000     | 8.49E-57 |
| chr2       | 97778001       | 97783000     | 1.68E-52 |
| chr2       | 97779001       | 97784000     | 3.29E-72 |
| chr2       | 97836001       | 97841000     | 1.90E-07 |
| chr2  | 98202001 | 98207000 | 3.52E-31 |
| chr2  | 98204001 | 98209000 | 6.36E-36 |
| chr2  | 98205001 | 98210000 | 7.29E-35 |
| chr2  | 98207001 | 98212000 | 1.09E-20 |
| chr2  | 98260001 | 98265000 | 3.93E-16 |
| chr2  | 98261001 | 98266000 | 2.62E-19 |
| chr2  | 98262001 | 98267000 | 6.46E-24 |
| chr2  | 98280001 | 98285000 | 1.15E-09 |
| chr2  | 98548001 | 98553000 | 0.014262767 |
| chr2  | 98612001 | 98617000 | 9.65E-37 |
| chr2  | 98818001 | 98823000 | 0.007809224 |
| chr2  | 99057001 | 99062000 | 2.88E-43 |
| chr2  | 99058001 | 99063000 | 2.41E-42 |
| chr2  | 99059001 | 99064000 | 2.41E-35 |
| chr2  | 99061001 | 99066000 | 2.73E-49 |
| chr2  | 99224001 | 99229000 | 2.11E-56 |
| chr2  | 99225001 | 99230000 | 8.76E-36 |
| chr2  | 99548001 | 99553000 | 1.46E-28 |
| chr2  | 99549001 | 99554000 | 6.53E-21 |
| chr2  | 99550001 | 99555000 | 5.85E-21 |
| chr2  | 99552001 | 99557000 | 2.44E-08 |
| chr2  | 99793001 | 99798000 | 1.34E-14 |
| chr2  | 99948001 | 99953000 | 4.55E-43 |
| chr2  | 99954001 | 99959000 | 2.05E-12 |
| chr2  | 100534001 | 100539000 | 5.34E-09 |
| chr2  | 100757001 | 100762000 | 1.36E-16 |
| chr2  | 100933001 | 100938000 | 2.40E-24 |
| chr2  | 100934001 | 100939000 | 2.85E-56 |
| chr2  | 100937001 | 100942000 | 3.68E-37 |
| chr2  | 100938001 | 100943000 | 6.98E-54 |
| chr2  | 101431001 | 101436000 | 3.88E-34 |
| chr2  | 101432001 | 101437000 | 2.59E-52 |
| chr2  | 101433001 | 101438000 | 8.18E-53 |
| chr2  | 101434001 | 101439000 | 2.67E-50 |
| chr2  | 101435001 | 101440000 | 2.07E-61 |
| chr2  | 101436001 | 101441000 | 5.79E-63 |
| chr2  | 101437001 | 101442000 | 1.28E-47 |
| chr2  | 101520001 | 101525000 | 8.40E-11 |
| chr2  | 101763001 | 101768000 | 3.66E-32 |
| chr2  | 101764001 | 101769000 | 1.16E-23 |
| chr2  | 101765001 | 101770000 | 1.05E-24 |
| chr2  | 101865001 | 101870000 | 8.90E-52 |
| chr2  | 101866001 | 101871000 | 4.98E-41 |
| chr2  | 101920001 | 101925000 | 2.27E-19 |
| chr2  | 101999001 | 102004000 | 9.61E-31 |
| chr2  | 102000001 | 102005000 | 3.04E-22 |
| chr2  | 102001001 | 102006000 | 1.24E-39 |
| chr2  | 102002001 | 102007000 | 1.84E-45 |
| chr2 | 102003001 | 102008000 | 6.05E-50 |
|------|----------|----------|----------|
| chr2 | 102004001 | 102009000 | 1.40E-46 |
| chr2 | 102086001 | 102091000 | 2.30E-21 |
| chr2 | 102947001 | 102952000 | 4.89E-05 |
| chr2 | 102968001 | 102973000 | 3.75E-37 |
| chr2 | 102969001 | 102974000 | 7.22E-20 |
| chr2 | 102970001 | 102975000 | 1.58E-22 |
| chr2 | 102971001 | 102976000 | 9.32E-19 |
| chr2 | 102972001 | 102977000 | 2.82E-25 |
| chr2 | 102992001 | 102997000 | 2.48E-09 |
| chr2 | 103016001 | 103021000 | 4.34E-07 |
| chr2 | 103042001 | 103047000 | 0.000670882 |
| chr2 | 103043001 | 103048000 | 4.40E-05 |
| chr2 | 103044001 | 103049000 | 4.57E-06 |
| chr2 | 103045001 | 103050000 | 1.30E-05 |
| chr2 | 103085001 | 103090000 | 0.000114022 |
| chr2 | 103086001 | 103091000 | 5.28E-06 |
| chr2 | 103087001 | 103092000 | 0.000138146 |
| chr2 | 103124001 | 103129000 | 1.05E-05 |
| chr2 | 103130001 | 103135000 | 1.91E-05 |
| chr2 | 103212001 | 103217000 | 4.16E-05 |
| chr2 | 103213001 | 103218000 | 1.31E-05 |
| chr2 | 103231001 | 103236000 | 5.84E-32 |
| chr2 | 103232001 | 103237000 | 1.58E-20 |
| chr2 | 103233001 | 103238000 | 4.48E-25 |
| chr2 | 103236001 | 103241000 | 4.78E-19 |
| chr2 | 103262001 | 103267000 | 6.48E-07 |
| chr2 | 103353001 | 103358000 | 2.82E-16 |
| chr2 | 103499001 | 103504000 | 8.29E-07 |
| chr2 | 103500001 | 103505000 | 3.66E-08 |
| chr2 | 103503001 | 103508000 | 2.69E-08 |
| chr2 | 103534001 | 103539000 | 1.99E-07 |
| chr2 | 103535001 | 103540000 | 4.00E-09 |
| chr2 | 103567001 | 103572000 | 0.002638894 |
| chr2 | 103670001 | 103675000 | 0.008497957 |
| chr2 | 103676001 | 103681000 | 9.34E-06 |
| chr2 | 103677001 | 103682000 | 3.51E-05 |
| chr2 | 103785001 | 103790000 | 2.59E-07 |
| chr2 | 103786001 | 103791000 | 0.000766653 |
| chr2 | 103822001 | 103827000 | 0.000419455 |
| chr2 | 103850001 | 103855000 | 0.002130871 |
| chr2 | 103925001 | 103930000 | 6.12E-09 |
| chr2 | 103927001 | 103932000 | 1.15E-13 |
| chr2 | 103940001 | 103945000 | 0.006550861 |
| chr2 | 103941001 | 103946000 | 0.008043091 |
| chr2 | 104005001 | 104010000 | 1.83E-05 |
| chr2 | 104106001 | 104111000 | 2.57E-06 |
| chr2 | 104149001 | 104154000 | 0.002962568 |
| Chromosome | Start  | End    | P-value |
|------------|--------|--------|---------|
| chr2       | 104227 | 104232 | 0.009434 |
| chr2       | 104233 | 104238 | 1.39E-05 |
| chr2       | 104234 | 104239 | 1.45E-05 |
| chr2       | 104235 | 104240 | 4.73E-09 |
| chr2       | 104236 | 104241 | 1.55E-08 |
| chr2       | 104237 | 104242 | 7.92E-06 |
| chr2       | 104312 | 104317 | 8.81E-08 |
| chr2       | 104318 | 104323 | 4.73E-09 |
| chr2       | 104319 | 104324 | 1.45E-05 |
| chr2       | 104325 | 104330 | 4.73E-09 |
| chr2       | 104341 | 104346 | 5.18E-07 |
| chr2       | 104342 | 104347 | 3.40E-06 |
| chr2       | 104350 | 104355 | 0.000134 |
| chr2       | 104415 | 104420 | 3.04E-10 |
| chr2       | 104416 | 104421 | 1.30E-08 |
| chr2       | 104448 | 104453 | 4.41E-06 |
| chr2       | 104529 | 104534 | 5.20E-05 |
| chr2       | 104556 | 104561 | 2.56E-05 |
| chr2       | 104562 | 104567 | 0.009928 |
| chr2       | 104695 | 104700 | 7.04E-06 |
| chr2       | 104801 | 104806 | 0.002778 |
| chr2       | 104802 | 104807 | 0.000731 |
| chr2       | 104803 | 104808 | 0.004830 |
| chr2       | 104867 | 104872 | 2.63E-10 |
| chr2       | 104868 | 104873 | 6.71E-07 |
| chr2       | 104869 | 104874 | 8.02E-05 |
| chr2       | 104870 | 104875 | 0.000684 |
| chr2       | 105192 | 105197 | 9.16E-13 |
| chr2       | 105193 | 105198 | 3.86E-06 |
| chr2       | 105194 | 105199 | 0.000595 |
| chr2       | 105340 | 105345 | 4.96E-05 |
| chr2       | 105455 | 105460 | 1.63E-20 |
| chr2       | 105518 | 105523 | 4.44E-08 |
| chr2       | 105601 | 105606 | 0.000360 |
| chr2       | 105607 | 105612 | 0.000283 |
| chr2       | 105655 | 105660 | 1.72E-12 |
| chr2       | 105760 | 105765 | 1.22E-13 |
| chr2       | 105942 | 105947 | 1.56E-15 |
| chr2       | 105943 | 105948 | 1.33E-14 |
| chr2       | 105944 | 105949 | 2.89E-11 |
| chr2       | 105945 | 105950 | 3.11E-15 |
| chr2       | 105946 | 105951 | 9.81E-29 |
| chr2       | 105954 | 105959 | 3.94E-14 |
| chr2       | 106017 | 106022 | 9.63E-10 |
| chr2       | 106018 | 106023 | 2.28E-08 |
| chr2       | 106318 | 106323 | 0.000215 |
| chr2       | 106319 | 106324 | 0.000405 |
| chr2       | 106320 | 106325 | 0.000195 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr2       | 106337001      | 106342000    | 0.000617768 |
| chr2       | 106361001      | 106366000    | 3.83E-32 |
| chr2       | 106458001      | 106463000    | 6.19E-08 |
| chr2       | 106459001      | 106464000    | 9.92E-05 |
| chr2       | 106514001      | 106519000    | 3.63E-07 |
| chr2       | 106810001      | 106815000    | 1.66E-16 |
| chr2       | 106841001      | 106846000    | 9.49E-05 |
| chr2       | 106968001      | 106973000    | 0.000972756 |
| chr2       | 106969001      | 106974000    | 0.000714293 |
| chr2       | 107090001      | 107095000    | 4.88E-08 |
| chr2       | 107099001      | 107104000    | 9.49E-13 |
| chr2       | 107100001      | 107105000    | 9.12E-16 |
| chr2       | 107101001      | 107106000    | 2.79E-12 |
| chr2       | 107102001      | 107107000    | 3.11E-12 |
| chr2       | 107103001      | 107108000    | 6.20E-05 |
| chr2       | 107241001      | 107246000    | 0.000358615 |
| chr2       | 107242001      | 107247000    | 1.33E-07 |
| chr2       | 107243001      | 107248000    | 0.000243943 |
| chr2       | 107280001      | 107285000    | 0.000198788 |
| chr2       | 107332001      | 107337000    | 0.00017694 |
| chr2       | 107333001      | 107338000    | 0.000229157 |
| chr2       | 107363001      | 107368000    | 1.84E-06 |
| chr2       | 107364001      | 107369000    | 4.48E-08 |
| chr2       | 107365001      | 107370000    | 0.00101998 |
| chr2       | 107399001      | 107404000    | 0.010187889 |
| chr2       | 107441001      | 107446000    | 2.43E-08 |
| chr2       | 107442001      | 107447000    | 1.30E-07 |
| chr2       | 107699001      | 107704000    | 0.002389044 |
| chr2       | 107700001      | 107705000    | 0.001866917 |
| chr2       | 107701001      | 107706000    | 0.002732134 |
| chr2       | 107714001      | 107719000    | 0.0003277 |
| chr2       | 107856001      | 107861000    | 3.13E-05 |
| chr2       | 107857001      | 107862000    | 6.86E-05 |
| chr2       | 107858001      | 107863000    | 0.000719109 |
| chr2       | 107859001      | 107864000    | 2.14E-05 |
| chr2       | 107933001      | 107938000    | 0.003895559 |
| chr2       | 107941001      | 107946000    | 2.72E-07 |
| chr2       | 107942001      | 107947000    | 2.24E-07 |
| chr2       | 107943001      | 107948000    | 4.92E-07 |
| chr2       | 107944001      | 107949000    | 2.54E-07 |
| chr2       | 108286001      | 108291000    | 7.28E-05 |
| chr2       | 108287001      | 108292000    | 0.000189725 |
| chr2       | 108288001      | 108293000    | 0.000136463 |
| chr2       | 108396001      | 108401000    | 0.000424399 |
| chr2       | 108397001      | 108402000    | 0.000532746 |
| chr2       | 108450001      | 108455000    | 0.001507045 |
| chr2       | 108581001      | 108586000    | 0.000144026 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr2       | 111562001      | 115167000    | 0.00010601 |
| chr2       | 111563001      | 115168000    | 3.03E-11   |
| chr2       | 111564001      | 115169000    | 5.75E-11   |
| chr2       | 111565001      | 115170000    | 4.88E-11   |
| chr2       | 111566001      | 115171000    | 1.10E-13   |
| chr2       | 1115187001     | 1115192000   | 0.015728026|
| chr2       | 1115200001     | 1115205000   | 0.001515809|
| chr2       | 1115201001     | 1115206000   | 2.37E-05   |
| chr2       | 1115202001     | 1115207000   | 3.30E-06   |
| chr2       | 1115203001     | 1115208000   | 3.65E-05   |
| chr2       | 1115331001     | 1115336000   | 0.001119334|
| chr2       | 1115370001     | 1115375000   | 7.79E-06   |
| chr2       | 1115371001     | 1115376000   | 7.41E-05   |
| chr2       | 1115447001     | 1115452000   | 0.000400542|
| chr2       | 1115448001     | 1115453000   | 0.000182438|
| chr2       | 1115498001     | 1115503000   | 3.13E-06   |
| chr2       | 1115499001     | 1115504000   | 1.09E-05   |
| chr2       | 1115519001     | 1115524000   | 0.000290938|
| chr2       | 1115521001     | 1115526000   | 4.87E-06   |
| chr2       | 1115522001     | 1115527000   | 2.10E-05   |
| chr2       | 1115560001     | 1115565000   | 0.003124975|
| chr2       | 1115561001     | 1115566000   | 0.000394586|
| chr2       | 1115568001     | 1115573000   | 5.09E-08   |
| chr2       | 1115569001     | 1115574000   | 6.52E-08   |
| chr2       | 1115570001     | 1115575000   | 2.71E-05   |
| chr2       | 1115571001     | 1115576000   | 0.000111873|
| chr2       | 1115590001     | 1115595000   | 0.000137776|
| chr2       | 1115591001     | 1115596000   | 1.54E-08   |
| chr2       | 1115592001     | 1115597000   | 7.96E-14   |
| chr2       | 1115593001     | 1115598000   | 4.21E-09   |
| chr2       | 1115594001     | 1115599000   | 1.55E-08   |
| chr2       | 1115595001     | 1115600000   | 4.98E-05   |
| chr2       | 1115624001     | 1115629000   | 1.21E-06   |
| chr2       | 1115650001     | 1115655000   | 1.40E-16   |
| chr2       | 1115651001     | 1115656000   | 2.40E-18   |
| chr2       | 1115652001     | 1115657000   | 8.61E-20   |
| chr2       | 1115653001     | 1115658000   | 5.91E-23   |
| chr2       | 1115654001     | 1115659000   | 3.35E-13   |
| chr2       | 1115655001     | 1115660000   | 2.50E-06   |
| chr2       | 1115656001     | 1115661000   | 0.00031712  |
| chr2       | 1115657001     | 1115662000   | 0.000444074|
| chr2       | 1115658001     | 1115663000   | 0.005855548|
| chr2       | 1115673001     | 1115678000   | 9.12E-05   |
| chr2       | 1115687001     | 1115692000   | 2.30E-06   |
| chr2       | 1115688001     | 1115693000   | 0.00112409  |
| chr2       | 1115708001     | 1115713000   | 3.79E-07   |
| chr2       | 1115785001     | 1115790000   | 0.000206091|
| chr2       | 1115792001     | 1115797000   | 3.10E-05   |
| Chr | Start Position | End Position | Log10(p)   |
|-----|----------------|--------------|------------|
| chr2 | 115798001      | 115803000    | 0.000725892|
| chr2 | 115837001      | 115842000    | 2.92E-05   |
| chr2 | 115838001      | 115843000    | 0.000219408|
| chr2 | 115839001      | 115844000    | 3.63E-05   |
| chr2 | 115876001      | 115881000    | 0.006370538|
| chr2 | 115879001      | 115884000    | 0.000176692|
| chr2 | 115881001      | 115886000    | 2.92E-05   |
| chr2 | 115884001      | 115889000    | 0.000219408|
| chr2 | 115885001      | 115890000    | 0.000176692|
| chr2 | 115886001      | 115891000    | 0.007505463|
| chr2 | 115887001      | 115892000    | 5.45E-05   |
| chr2 | 115888001      | 115893000    | 1.87E-05   |
| chr2 | 115914001      | 115919000    | 3.11E-27   |
| chr2 | 115915001      | 115920000    | 8.72E-39   |
| chr2 | 115968001      | 115973000    | 6.00E-06   |
| chr2 | 115969001      | 115974000    | 1.79E-07   |
| chr2 | 115970001      | 115975000    | 1.33E-06   |
| chr2 | 115971001      | 115976000    | 5.72E-07   |
| chr2 | 115972001      | 115977000    | 5.71E-05   |
| chr2 | 116046001      | 116051000    | 6.98E-05   |
| chr2 | 116055001      | 116060000    | 2.05E-05   |
| chr2 | 116059001      | 116064000    | 1.38E-06   |
| chr2 | 116060001      | 116065000    | 0.002996797|
| chr2 | 116131001      | 116136000    | 8.30E-07   |
| chr2 | 116132001      | 116137000    | 3.97E-07   |
| chr2 | 116148001      | 116153000    | 3.76E-06   |
| chr2 | 116149001      | 116154000    | 8.35E-08   |
| chr2 | 116155001      | 116160000    | 0.001013592|
| chr2 | 116156001      | 116161000    | 0.001673916|
| chr2 | 116157001      | 116162000    | 0.008247765|
| chr2 | 116169001      | 116174000    | 0.000931544|
| chr2 | 116181001      | 116186000    | 5.78E-08   |
| chr2 | 116185001      | 116190000    | 3.62E-05   |
| chr2 | 116289001      | 116294000    | 7.32E-05   |
| chr2 | 116290001      | 116295000    | 5.23E-05   |
| chr2 | 116291001      | 116296000    | 0.00046543 |
| chr2 | 116300001      | 116305000    | 0.000834776|
| chr2 | 116301001      | 116306000    | 0.000580261|
| chr2 | 116302001      | 116307000    | 0.000263463|
| chr2 | 116333001      | 116338000    | 9.78E-05   |
| chr2 | 116334001      | 116339000    | 0.00061873 |
| chr2 | 116387001      | 116392000    | 0.001935481|
| chr2 | 116469001      | 116474000    | 7.36E-08   |
| chr2 | 116470001      | 116475000    | 3.64E-07   |
| chr2 | 116471001      | 116476000    | 5.66E-08   |
| chr2 | 116503001      | 116508000    | 9.34E-08   |
| chr2 | 116504001      | 116509000    | 4.12E-07   |
| chr2 | 116598001      | 116603000    | 0.000119304|
| Chr | Start | Stop   | Score     |
|-----|-------|--------|-----------|
| chr2| 116599001 | 116604000 | 4.15E-05  |
| chr2| 116600001 | 116605000 | 1.51E-05  |
| chr2| 116645001 | 116650000 | 4.23E-05  |
| chr2| 116646001 | 116651000 | 1.59E-06  |
| chr2| 116694001 | 116699000 | 0.003170824|
| chr2| 116700001 | 116705000 | 7.74E-05  |
| chr2| 116706001 | 116711000 | 0.002896953|
| chr2| 116715001 | 116720000 | 4.50E-05  |
| chr2| 116716001 | 116721000 | 1.88E-06  |
| chr2| 116735001 | 116740000 | 5.72E-05  |
| chr2| 116736001 | 116741000 | 2.75E-07  |
| chr2| 116737001 | 116742000 | 7.55E-07  |
| chr2| 116769001 | 116774000 | 0.000203448|
| chr2| 116783001 | 116788000 | 2.80E-05  |
| chr2| 116801001 | 116806000 | 1.08E-05  |
| chr2| 116802001 | 116807000 | 2.03E-07  |
| chr2| 116850001 | 116855000 | 7.27E-05  |
| chr2| 116874001 | 116879000 | 5.61E-09  |
| chr2| 116875001 | 116880000 | 1.75E-10  |
| chr2| 116970001 | 116975000 | 4.61E-05  |
| chr2| 116996001 | 117001000 | 0.00049634 |
| chr2| 117092001 | 117097000 | 9.39E-14  |
| chr2| 117093001 | 117098000 | 4.12E-10  |
| chr2| 117113001 | 117118000 | 0.00198203 |
| chr2| 117209001 | 117214000 | 1.73E-05  |
| chr2| 117210001 | 117215000 | 5.20E-09  |
| chr2| 117211001 | 117216000 | 7.54E-08  |
| chr2| 117212001 | 117217000 | 4.63E-08  |
| chr2| 117216001 | 117221000 | 0.000285852|
| chr2| 117217001 | 117222000 | 0.000690792|
| chr2| 117255001 | 117260000 | 4.81E-06  |
| chr2| 117372001 | 117377000 | 0.000245814|
| chr2| 117472001 | 117477000 | 1.16E-05  |
| chr2| 117473001 | 117478000 | 5.09E-06  |
| chr2| 117474001 | 117479000 | 3.18E-06  |
| chr2| 117475001 | 117480000 | 4.51E-05  |
| chr2| 117611001 | 117616000 | 9.95E-07  |
| chr2| 117612001 | 117617000 | 4.58E-08  |
| chr2| 117613001 | 117618000 | 1.83E-06  |
| chr2| 117614001 | 117619000 | 4.84E-06  |
| chr2| 117698001 | 117703000 | 0.00122152 |
| chr2| 117699001 | 117704000 | 0.00202943 |
| chr2| 117700001 | 117705000 | 0.000225232|
| chr2| 117701001 | 117706000 | 0.003706876|
| chr2| 117708001 | 117713000 | 0.000600126|
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr2       | 117720001      | 117725000    | 0.000176081 |
| chr2       | 117740001      | 117745000    | 1.90E-07   |
| chr2       | 117763001      | 117768000    | 1.53E-06   |
| chr2       | 117764001      | 117769000    | 0.001542536 |
| chr2       | 117823001      | 117828000    | 0.000409886 |
| chr2       | 117841001      | 117846000    | 0.000124287 |
| chr2       | 117905001      | 117910000    | 2.58E-05   |
| chr2       | 117963001      | 117968000    | 8.82E-06   |
| chr2       | 117964001      | 117969000    | 1.98E-06   |
| chr2       | 117965001      | 117970000    | 4.73E-07   |
| chr2       | 117966001      | 117971000    | 6.39E-06   |
| chr2       | 117967001      | 117972000    | 0.001353466 |
| chr2       | 117979001      | 117984000    | 0.000390946 |
| chr2       | 118114001      | 118119000    | 6.75E-07   |
| chr2       | 118144001      | 118149000    | 0.000594967 |
| chr2       | 118173001      | 118178000    | 0.003017323 |
| chr2       | 118175001      | 118180000    | 0.013016265 |
| chr2       | 118232001      | 118237000    | 5.46E-06   |
| chr2       | 118238001      | 118243000    | 0.000356096 |
| chr2       | 118279001      | 118284000    | 6.21E-10   |
| chr2       | 118280001      | 118285000    | 5.06E-10   |
| chr2       | 118281001      | 118286000    | 2.60E-10   |
| chr2       | 118282001      | 118287000    | 9.11E-15   |
| chr2       | 118283001      | 118288000    | 3.94E-12   |
| chr2       | 118284001      | 118289000    | 1.59E-08   |
| chr2       | 118285001      | 118290000    | 4.39E-07   |
| chr2       | 118287001      | 118292000    | 0.000271587 |
| chr2       | 118288001      | 118293000    | 0.000359197 |
| chr2       | 118339001      | 118344000    | 2.19E-05   |
| chr2       | 118340001      | 118345000    | 8.17E-06   |
| chr2       | 118341001      | 118346000    | 0.002451458 |
| chr2       | 118363001      | 118368000    | 6.49E-09   |
| chr2       | 118376001      | 118381000    | 1.76E-13   |
| chr2       | 118389001      | 118394000    | 0.000998651 |
| chr2       | 118390001      | 118395000    | 0.000245094 |
| chr2       | 118469001      | 118474000    | 2.52E-08   |
| chr2       | 118470001      | 118475000    | 1.65E-08   |
| chr2       | 118471001      | 118476000    | 3.33E-08   |
| chr2       | 118557001      | 118562000    | 1.90E-13   |
| chr2       | 118559001      | 118564000    | 3.42E-10   |
| chr2       | 118560001      | 118565000    | 1.00E-11   |
| chr2       | 118651001      | 118656000    | 7.84E-06   |
| chr2       | 118652001      | 118657000    | 2.01E-10   |
| chr2       | 118653001      | 118658000    | 1.32E-08   |
| chr2       | 118654001      | 118659000    | 1.58E-08   |
| chr2       | 118766001      | 118771000    | 6.23E-10   |
| chr2       | 118900001      | 118905000    | 8.55E-20   |
| chr2       | 118939001      | 118944000    | 5.72E-18   |
| Chromosome | Start Location | End Location | P-value |
|------------|----------------|--------------|---------|
| chr2       | 118982001      | 118987000    | 3.77E-12 |
| chr2       | 119156001      | 119161000    | 0.00148158 |
| chr2       | 119229001      | 119234000    | 3.48E-06 |
| chr2       | 119401001      | 119406000    | 1.63E-07 |
| chr2       | 119402001      | 119407000    | 2.12E-07 |
| chr2       | 119403001      | 119408000    | 4.67E-05 |
| chr2       | 119451001      | 119456000    | 4.23E-10 |
| chr2       | 119452001      | 119457000    | 2.72E-14 |
| chr2       | 119453001      | 119458000    | 8.63E-19 |
| chr2       | 119454001      | 119459000    | 7.35E-12 |
| chr2       | 119654001      | 119659000    | 1.87E-06 |
| chr2       | 119795001      | 119800000    | 1.99E-05 |
| chr2       | 119977001      | 119982000    | 1.25E-12 |
| chr2       | 119978001      | 119983000    | 2.01E-14 |
| chr2       | 120365001      | 120370000    | 0.000248768 |
| chr2       | 120366001      | 120371000    | 6.21E-10 |
| chr2       | 120367001      | 120372000    | 1.54E-11 |
| chr2       | 120513001      | 120518000    | 8.31E-36 |
| chr2       | 120514001      | 120519000    | 5.40E-29 |
| chr2       | 120517001      | 120522000    | 5.61E-35 |
| chr2       | 120622001      | 120627000    | 0.006470924 |
| chr2       | 120766001      | 120771000    | 7.57E-24 |
| chr2       | 120767001      | 120772000    | 9.78E-44 |
| chr2       | 120768001      | 120773000    | 3.16E-42 |
| chr2       | 120769001      | 120774000    | 1.40E-26 |
| chr2       | 120770001      | 120775000    | 1.98E-52 |
| chr2       | 120771001      | 120776000    | 1.58E-21 |
| chr2       | 120799001      | 120804000    | 0.000317611 |
| chr2       | 120800001      | 120805000    | 0.000167897 |
| chr2       | 120977001      | 120982000    | 1.28E-20 |
| chr2       | 121011001      | 121016000    | 3.11E-36 |
| chr2       | 121492001      | 121497000    | 1.04E-21 |
| chr2       | 121934001      | 121939000    | 5.81E-07 |
| chr2       | 122038001      | 122043000    | 2.93E-21 |
| chr2       | 122065001      | 122070000    | 1.19E-05 |
| chr2       | 122511001      | 122516000    | 7.90E-29 |
| chr2       | 122512001      | 122517000    | 2.16E-33 |
| chr2       | 122513001      | 122518000    | 5.42E-38 |
| chr2       | 122615001      | 122620000    | 7.11E-08 |
| chr2       | 122616001      | 122621000    | 2.66E-07 |
| chr2       | 122685001      | 122690000    | 2.56E-09 |
| chr2       | 122686001      | 122691000    | 1.79E-13 |
| chr2       | 122687001      | 122692000    | 1.40E-11 |
| chr2       | 122752001      | 122757000    | 1.45E-08 |
| chr2       | 122753001      | 122758000    | 1.42E-11 |
| chr2       | 122871001      | 122876000    | 2.18E-05 |
| chr2       | 122872001      | 122877000    | 2.13E-05 |
| chr2       | 122873001      | 122878000    | 0.000151709 |
| Chr  | Start  | End   | P-Value  |
|------|--------|-------|----------|
| chr2 | 122876001 | 122881000 | 2.22E-06 |
| chr2 | 122899001 | 122904000 | 8.43E-09 |
| chr2 | 123144001 | 123149000 | 7.91E-08 |
| chr2 | 123145001 | 123150000 | 7.53E-06 |
| chr2 | 123164001 | 123169000 | 0.000649275 |
| chr2 | 123165001 | 123170000 | 0.00023419 |
| chr2 | 123218001 | 123223000 | 0.001008624 |
| chr2 | 123230001 | 123235000 | 0.003682831 |
| chr2 | 123231001 | 123236000 | 2.36E-05 |
| chr2 | 123232001 | 123237000 | 6.50E-05 |
| chr2 | 123338001 | 123343000 | 1.05E-06 |
| chr2 | 123340001 | 123345000 | 4.20E-07 |
| chr2 | 123355001 | 123360000 | 0.000301168 |
| chr2 | 123359001 | 123364000 | 8.39E-06 |
| chr2 | 123362001 | 123367000 | 0.000114377 |
| chr2 | 123382001 | 123387000 | 0.001123474 |
| chr2 | 123435001 | 123440000 | 0.003852261 |
| chr2 | 123748001 | 123753000 | 4.07E-07 |
| chr2 | 123815001 | 123820000 | 2.23E-05 |
| chr2 | 123852001 | 123857000 | 4.19E-06 |
| chr2 | 123853001 | 123858000 | 1.52E-10 |
| chr2 | 124004001 | 124009000 | 2.58E-06 |
| chr2 | 124005001 | 124010000 | 1.00E-05 |
| chr2 | 124006001 | 124011000 | 6.88E-05 |
| chr2 | 124007001 | 124012000 | 9.39E-07 |
| chr2 | 124067001 | 124072000 | 0.000902744 |
| chr2 | 124068001 | 124073000 | 0.00175119 |
| chr2 | 124206001 | 124211000 | 5.52E-05 |
| chr2 | 124214001 | 124219000 | 3.78E-06 |
| chr2 | 124268001 | 124273000 | 0.00059156 |
| chr2 | 124289001 | 124294000 | 0.000133925 |
| chr2 | 124294001 | 124299000 | 2.47E-06 |
| chr2 | 124480001 | 124485000 | 1.25E-07 |
| chr2 | 124551001 | 124556000 | 0.002384131 |
| chr2 | 124587001 | 124592000 | 0.000283593 |
| chr2 | 124668001 | 124673000 | 1.87E-09 |
| chr2 | 124680001 | 124685000 | 0.00010961 |
| chr2 | 124681001 | 124686000 | 0.001700798 |
| chr2 | 124735001 | 124740000 | 5.15E-05 |
| chr2 | 124769001 | 124774000 | 0.000276896 |
| chr2 | 124804001 | 124809000 | 9.56E-05 |
| chr2 | 124811001 | 124816000 | 3.47E-07 |
| chr2 | 124832001 | 124837000 | 0.020114159 |
| chr2 | 124833001 | 124838000 | 0.014680384 |
| chr2 | 124840001 | 124845000 | 0.001763593 |
| chr2 | 124934001 | 124939000 | 3.23E-07 |
| chr2 | 124935001 | 124940000 | 4.57E-06 |
| chr2 | 125120001 | 125125000 | 3.81E-06 |
| chr2 | 125121001 | 125126000 | 6.25E-08 |
| chr2 | 125122001 | 125127000 | 3.47E-09 |
| chr2 | 125123001 | 125128000 | 2.87E-07 |
| chr2 | 125243001 | 125248000 | 3.22E-07 |
| chr2 | 125260001 | 125265000 | 2.58E-05 |
| chr2 | 125263001 | 125268000 | 0.001207902 |
| chr2 | 125264001 | 125269000 | 0.000366342 |
| chr2 | 125339001 | 125344000 | 1.69E-05 |
| chr2 | 125367001 | 125372000 | 4.29E-10 |
| chr2 | 125408001 | 125413000 | 5.02E-06 |
| chr2 | 125409001 | 125414000 | 2.04E-06 |
| chr2 | 125411001 | 125416000 | 0.001351263 |
| chr2 | 125412001 | 125417000 | 0.001166363 |
| chr2 | 125426001 | 125431000 | 3.80E-05 |
| chr2 | 125427001 | 125432000 | 6.41E-06 |
| chr2 | 125512001 | 125517000 | 0.000186599 |
| chr2 | 125644001 | 125649000 | 0.000533612 |
| chr2 | 125768001 | 125773000 | 3.42E-06 |
| chr2 | 125769001 | 125774000 | 1.19E-05 |
| chr2 | 125770001 | 125775000 | 1.01E-05 |
| chr2 | 125772001 | 125777000 | 0.00122976 |
| chr2 | 125782001 | 125787000 | 6.04E-07 |
| chr2 | 125783001 | 125788000 | 1.74E-05 |
| chr2 | 125798001 | 125803000 | 0.001094085 |
| chr2 | 125799001 | 125804000 | 7.85E-08 |
| chr2 | 125838001 | 125843000 | 0.00010972 |
| chr2 | 126087001 | 126092000 | 0.008966429 |
| chr2 | 126304001 | 126309000 | 7.89E-05 |
| chr2 | 126305001 | 126310000 | 4.64E-05 |
| chr2 | 126374001 | 126379000 | 2.44E-06 |
| chr2 | 126375001 | 126380000 | 1.75E-06 |
| chr2 | 126577001 | 126582000 | 1.19E-06 |
| chr2 | 126578001 | 126583000 | 2.24E-06 |
| chr2 | 126588001 | 126593000 | 2.17E-05 |
| chr2 | 126590001 | 126595000 | 3.62E-06 |
| chr2 | 126591001 | 126596000 | 5.88E-07 |
| chr2 | 126592001 | 126597000 | 2.80E-05 |
| chr2 | 126594001 | 126599000 | 1.51E-06 |
| chr2 | 126751001 | 126756000 | 0.000362868 |
| chr2 | 126795001 | 126800000 | 7.35E-05 |
| chr2 | 126824001 | 126829000 | 0.000432518 |
| chr2 | 126825001 | 126830000 | 0.001383308 |
| chr2 | 126826001 | 126831000 | 0.000283612 |
| chr2 | 126827001 | 126832000 | 0.001293506 |
| chr2 | 126834001 | 126839000 | 3.28E-05 |
| chr2 | 126840001 | 126845000 | 9.26E-09 |
| chr2 | 126841001 | 126846000 | 4.35E-13 |
| chr2 | 126842001 | 126847000 | 1.83E-11 |
| chr2 | Start | End   | P-value    |
|------|-------|-------|------------|
| chr2 | 126843001 | 126848000 | 2.24E-14   |
| chr2 | 126844001 | 126849000 | 1.26E-10   |
| chr2 | 126845001 | 126850000 | 1.16E-07   |
| chr2 | 126903001 | 126908000 | 4.50E-05   |
| chr2 | 126915001 | 126920000 | 3.47E-08   |
| chr2 | 126916001 | 126921000 | 3.15E-08   |
| chr2 | 126953001 | 126958000 | 3.92E-12   |
| chr2 | 126954001 | 126959000 | 1.05E-06   |
| chr2 | 127032001 | 127037000 | 0.001063736|
| chr2 | 127097001 | 127102000 | 0.001037268|
| chr2 | 127098001 | 127103000 | 0.000289471|
| chr2 | 127099001 | 127104000 | 0.000449851|
| chr2 | 127129001 | 127134000 | 7.11E-11   |
| chr2 | 127278001 | 127283000 | 1.43E-05   |
| chr2 | 127294001 | 127299000 | 0.001086576|
| chr2 | 127295001 | 127300000 | 0.000104167|
| chr2 | 127296001 | 127301000 | 6.07E-05   |
| chr2 | 127311001 | 127316000 | 6.21E-13   |
| chr2 | 127312001 | 127317000 | 3.04E-13   |
| chr2 | 127313001 | 127318000 | 1.86E-08   |
| chr2 | 127314001 | 127319000 | 3.70E-06   |
| chr2 | 127315001 | 127320000 | 3.50E-08   |
| chr2 | 127355001 | 127360000 | 0.000784155|
| chr2 | 127596001 | 127601000 | 1.08E-12   |
| chr2 | 127597001 | 127602000 | 3.34E-09   |
| chr2 | 127680001 | 127685000 | 0.000161974|
| chr2 | 127682001 | 127687000 | 0.000364363|
| chr2 | 127683001 | 127688000 | 3.45E-06   |
| chr2 | 127684001 | 127689000 | 1.11E-08   |
| chr2 | 127685001 | 127690000 | 3.68E-11   |
| chr2 | 127708001 | 127713000 | 7.12E-05   |
| chr2 | 127709001 | 127714000 | 1.90E-06   |
| chr2 | 127860001 | 127865000 | 2.67E-08   |
| chr2 | 127972001 | 127977000 | 1.17E-18   |
| chr2 | 127973001 | 127978000 | 1.04E-31   |
| chr2 | 128047001 | 128052000 | 1.87E-26   |
| chr2 | 128279001 | 128284000 | 8.22E-52   |
| chr2 | 128304001 | 128309000 | 1.07E-05   |
| chr2 | 128457001 | 128462000 | 5.64E-31   |
| chr2 | 128459001 | 128464000 | 2.07E-43   |
| chr2 | 128639001 | 128644000 | 2.33E-12   |
| chr2 | 128640001 | 128645000 | 3.49E-15   |
| chr2 | 128641001 | 128646000 | 1.28E-22   |
| chr2 | 128644001 | 128649000 | 7.74E-22   |
| chr2 | 128785001 | 128790000 | 1.82E-27   |
| chr2 | 128786001 | 128791000 | 1.88E-20   |
| chr2 | 128986001 | 128991000 | 2.71E-14   |
| chr2 | 128987001 | 128992000 | 2.24E-26   |
| chr2 |       |       |       | |
|------|-------|-------|-------|---|
|      |       |       |       |   |
|      |       |       |       |   |
|      |       |       |       |   |
|      |       |       |       |   |
| 128988001 | 128993000 | 5.17E-15 | |
| 128990001 | 128994000 | 8.10E-11 | |
| 128991001 | 128996000 | 1.10E-10 | |
| 129108001 | 129113000 | 2.63E-07 | |
| 129109001 | 129114000 | 2.19E-06 | |
| 129110001 | 129115000 | 6.99E-05 | |
| 129236001 | 129241000 | 0.001001244 | |
| 129612001 | 129617000 | 6.54E-06 | |
| 129648001 | 129653000 | 4.03E-06 | |
| 129649001 | 129654000 | 3.18E-07 | |
| 129650001 | 129655000 | 2.55E-10 | |
| 129651001 | 129656000 | 1.48E-06 | |
| 129921001 | 129926000 | 0.00113507 | |
| 129983001 | 129988000 | 0.001247256 | |
| 129992001 | 129997000 | 6.91E-06 | |
| 130231001 | 130236000 | 8.94E-06 | |
| 130352001 | 130357000 | 1.97E-11 | |
| 130354001 | 130359000 | 5.69E-09 | |
| 130363001 | 130368000 | 3.73E-08 | |
| 130364001 | 130369000 | 1.65E-08 | |
| 130379001 | 130384000 | 1.45E-09 | |
| 130672001 | 130677000 | 2.27E-07 | |
| 131109001 | 131114000 | 2.23E-08 | |
| 131112001 | 131117000 | 1.25E-18 | |
| 131113001 | 131118000 | 2.84E-23 | |
| 131125001 | 131130000 | 5.58E-15 | |
| 131128001 | 131133000 | 5.98E-07 | |
| 131129001 | 131134000 | 8.71E-22 | |
| 131130001 | 131135000 | 1.43E-15 | |
| 131181001 | 131186000 | 1.07E-18 | |
| 131207001 | 131212000 | 1.90E-07 | |
| 131513001 | 131518000 | 2.97E-12 | |
| 131552001 | 131557000 | 1.59E-14 | |
| 131594001 | 131599000 | 1.22E-09 | |
| 131717001 | 131722000 | 3.00E-14 | |
| 131718001 | 131723000 | 2.95E-13 | |
| 131719001 | 131724000 | 2.37E-14 | |
| 132181001 | 132186000 | 5.58E-10 | |
| 132183001 | 132188000 | 9.48E-08 | |
| 132194001 | 132199000 | 3.58E-05 | |
| 132215001 | 132220000 | 1.54E-05 | |
| 132216001 | 132221000 | 0.000389944 | |
| 132217001 | 132222000 | 4.03E-06 | |
| 132218001 | 132223000 | 0.000189653 | |
| 132245001 | 132250000 | 3.53E-14 | |
| 132430001 | 132435000 | 1.37E-25 | |
| 132431001 | 132436000 | 6.78E-33 | |
| Chromosome | Start  | End    | p-value   |
|-----------|--------|--------|-----------|
| chr2      | 132439001 | 132440000 | 4.05E-34 |
| chr2      | 132440001 | 132445000 | 2.01E-33 |
| chr2      | 132661001 | 132666000 | 0.000534107 |
| chr2      | 132667001 | 132672000 | 8.98E-06  |
| chr2      | 132668001 | 132673000 | 4.04E-06  |
| chr2      | 132669001 | 132674000 | 2.75E-06  |
| chr2      | 132845001 | 132850000 | 0.018737103 |
| chr2      | 132884001 | 132889000 | 4.64E-05  |
| chr2      | 132885001 | 132890000 | 0.000876823 |
| chr2      | 133169001 | 133174000 | 5.25E-14  |
| chr2      | 133170001 | 133175000 | 2.81E-13  |
| chr2      | 133239001 | 133244000 | 4.50E-06  |
| chr2      | 133389001 | 133394000 | 1.82E-07  |
| chr2      | 133390001 | 133395000 | 1.67E-06  |
| chr2      | 133422001 | 133427000 | 1.11E-11  |
| chr2      | 133423001 | 133428000 | 7.47E-23  |
| chr2      | 133428001 | 133433000 | 1.96E-34  |
| chr2      | 133480001 | 133485000 | 2.86E-07  |
| chr2      | 133481001 | 133486000 | 4.02E-10  |
| chr2      | 133482001 | 133487000 | 1.48E-07  |
| chr2      | 133483001 | 133488000 | 1.76E-07  |
| chr2      | 133689001 | 133694000 | 8.42E-05  |
| chr2      | 133794001 | 133799000 | 0.004208676 |
| chr2      | 133812001 | 133817000 | 5.75E-07  |
| chr2      | 133813001 | 133818000 | 8.33E-07  |
| chr2      | 133814001 | 133819000 | 2.54E-06  |
| chr2      | 133817001 | 133822000 | 0.000462026 |
| chr2      | 133818001 | 133823000 | 0.000657689 |
| chr2      | 133924001 | 133929000 | 3.65E-05  |
| chr2      | 133938001 | 133943000 | 0.000488827 |
| chr2      | 133963001 | 133968000 | 3.87E-06  |
| chr2      | 133973001 | 133978000 | 0.00193653 |
| chr2      | 133986001 | 133991000 | 0.002489832 |
| chr2      | 134022001 | 134027000 | 7.33E-17  |
| chr2      | 134023001 | 134028000 | 6.61E-34  |
| chr2      | 134024001 | 134029000 | 1.18E-32  |
| chr2      | 134067001 | 134072000 | 1.15E-05  |
| chr2      | 134132001 | 134137000 | 0.0196344 |
| chr2      | 134157001 | 134162000 | 9.29E-05  |
| chr2      | 134158001 | 134163000 | 4.45E-05  |
| chr2      | 134159001 | 134164000 | 3.55E-05  |
| chr2      | 134204001 | 134209000 | 3.58E-07  |
| chr2      | 134205001 | 134210000 | 2.41E-05  |
| chr2      | 134222001 | 134227000 | 1.55E-07  |
| chr2      | 134273001 | 134278000 | 7.55E-09  |
| chr2      | 134274001 | 134279000 | 5.73E-09  |
| chr2      | 134400001 | 134405000 | 3.72E-05  |
| Chromosome | Start | End   | Value  |
|------------|-------|-------|--------|
| chr2       | 134401001 | 134406000 | 6.60E-17 |
| chr2       | 134406001 | 134411000 | 0.000157159 |
| chr2       | 134407001 | 134412000 | 2.02E-06 |
| chr2       | 134408001 | 134413000 | 5.42E-07 |
| chr2       | 134409001 | 134414000 | 3.11E-07 |
| chr2       | 134422001 | 134427000 | 0.000605538 |
| chr2       | 134423001 | 134428000 | 0.000413402 |
| chr2       | 134424001 | 134429000 | 0.000302611 |
| chr2       | 134425001 | 134430000 | 0.000582455 |
| chr2       | 134494001 | 134499000 | 0.000603622 |
| chr2       | 134542001 | 134547000 | 0.000827916 |
| chr2       | 134659001 | 134664000 | 2.63E-05 |
| chr2       | 134660001 | 134665000 | 0.001229416 |
| chr2       | 134661001 | 134666000 | 0.000476314 |
| chr2       | 134662001 | 134667000 | 6.93E-05 |
| chr2       | 134707001 | 134712000 | 0.00016042 |
| chr2       | 134708001 | 134713000 | 1.06E-07 |
| chr2       | 134781001 | 134786000 | 3.80E-23 |
| chr2       | 134782001 | 134787000 | 2.17E-24 |
| chr2       | 134783001 | 134788000 | 1.61E-22 |
| chr2       | 134784001 | 134789000 | 3.36E-21 |
| chr2       | 134794001 | 134799000 | 1.38E-07 |
| chr2       | 134795001 | 134800000 | 3.81E-08 |
| chr2       | 134873001 | 134878000 | 1.11E-11 |
| chr2       | 135090001 | 135095000 | 2.90E-05 |
| chr2       | 135455001 | 135460000 | 5.00E-07 |
| chr2       | 135475001 | 135480000 | 5.12E-35 |
| chr2       | 135476001 | 135481000 | 1.04E-40 |
| chr2       | 135486001 | 135491000 | 4.87E-07 |
| chr2       | 135487001 | 135492000 | 7.74E-09 |
| chr2       | 135501001 | 135506000 | 7.17E-08 |
| chr2       | 135502001 | 135507000 | 1.98E-11 |
| chr2       | 135503001 | 135508000 | 5.09E-14 |
| chr2       | 135504001 | 135509000 | 2.07E-16 |
| chr2       | 135505001 | 135510000 | 2.04E-10 |
| chr2       | 135510001 | 135515000 | 9.74E-06 |
| chr2       | 135672001 | 135677000 | 8.30E-51 |
| chr2       | 135785001 | 135790000 | 8.39E-06 |
| chr2       | 136285001 | 136290000 | 6.97E-21 |
| chr2       | 136286001 | 136291000 | 1.15E-16 |
| chr2       | 136287001 | 136292000 | 5.06E-19 |
| chr2       | 136288001 | 136293000 | 2.23E-20 |
| chr2       | 136289001 | 136294000 | 5.83E-21 |
| chr2       | 136495001 | 136500000 | 3.14E-39 |
| chr2       | 136629001 | 136634000 | 1.71E-28 |
| chr2       | 136742001 | 136747000 | 1.58E-20 |
| chr2       | 136743001 | 136748000 | 7.74E-29 |
| chr2       | 137069001 | 137074000 | 1.58E-08 |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr2       | 137070001 | 137075000 | 6.66E-06 |
| chr2       | 137381001 | 137386000 | 2.18E-05 |
| chr2       | 137382001 | 137387000 | 0.00104715 |
| chr2       | 137420001 | 137425000 | 4.26E-06 |
| chr2       | 137421001 | 137426000 | 5.80E-05 |
| chr2       | 137433001 | 137438000 | 0.011928577 |
| chr2       | 137542001 | 137547000 | 0.000312406 |
| chr2       | 137799001 | 137804000 | 2.36E-05 |
| chr2       | 137877001 | 137882000 | 0.004024675 |
| chr2       | 137878001 | 137883000 | 0.007784953 |
| chr2       | 137880001 | 137885000 | 0.003196607 |
| chr2       | 138186001 | 138191000 | 0.002638228 |
| chr2       | 138197001 | 138202000 | 0.00018609 |
| chr2       | 138308001 | 138313000 | 5.97E-07 |
| chr2       | 138323001 | 138328000 | 6.03E-10 |
| chr2       | 138324001 | 138329000 | 1.90E-12 |
| chr2       | 138325001 | 138330000 | 2.09E-13 |
| chr2       | 138326001 | 138331000 | 1.29E-13 |
| chr2       | 138376001 | 138381000 | 5.23E-10 |
| chr2       | 138378001 | 138383000 | 2.45E-12 |
| chr2       | 138405001 | 138410000 | 0.003016124 |
| chr2       | 138406001 | 138411000 | 0.001183733 |
| chr2       | 138407001 | 138412000 | 5.90E-07 |
| chr2       | 138498001 | 138503000 | 2.29E-05 |
| chr2       | 138499001 | 138504000 | 9.42E-06 |
| chr2       | 138500001 | 138505000 | 0.000669157 |
| chr2       | 138536001 | 138541000 | 0.02915925 |
| chr2       | 138545001 | 138550000 | 0.000611467 |
| chr2       | 138829001 | 138834000 | 6.07E-05 |
| chr2       | 139096001 | 139101000 | 0.029396232 |
| chr2       | 139532001 | 139537000 | 1.14E-06 |
| chr2       | 139810001 | 139815000 | 0.003822558 |
| chr2       | 139811001 | 139816000 | 0.001411322 |
| chr2       | 139812001 | 139817000 | 0.000675827 |
| chr2       | 139985001 | 139990000 | 0.000449485 |
| chr2       | 140280001 | 140285000 | 1.28E-06 |
| chr2       | 140281001 | 140286000 | 2.29E-05 |
| chr2       | 140730001 | 140735000 | 7.85E-12 |
| chr2       | 140947001 | 140952000 | 0.000567114 |
| chr2       | 141536001 | 141541000 | 2.36E-06 |
| chr2       | 141537001 | 141542000 | 2.46E-06 |
| chr2       | 141613001 | 141618000 | 0.002559167 |
| chr2       | 141781001 | 141786000 | 0.034732835 |
| chr2       | 142127001 | 142132000 | 0.011043041 |
| chr2       | 142128001 | 142133000 | 0.006308801 |
| chr2       | 142143001 | 142148000 | 0.001826242 |
| chr2       | 142144001 | 142149000 | 0.001501248 |
| chr2       | 142237001 | 142242000 | 0.003538811 |
| Chr | Start | End   | P-value         |
|-----|-------|-------|----------------|
| chr2| 142238001 | 142243000 | 1.83E-06 |
| chr2| 142240001 | 142245000 | 1.56E-05 |
| chr2| 142241001 | 142246000 | 9.38E-07 |
| chr2| 142242001 | 142247000 | 0.002787335 |
| chr2| 142291001 | 142296000 | 0.016980391 |
| chr2| 142489001 | 142494000 | 0.001229223 |
| chr2| 142781001 | 142786000 | 0.009600279 |
| chr2| 142782001 | 142787000 | 0.007735527 |
| chr2| 143351001 | 143356000 | 4.82E-10 |
| chr2| 143352001 | 143357000 | 1.26E-08 |
| chr2| 143353001 | 143358000 | 2.15E-09 |
| chr2| 143354001 | 143359000 | 1.19E-08 |
| chr2| 143355001 | 143360000 | 3.06E-07 |
| chr2| 143524001 | 143529000 | 0.011065761 |
| chr2| 143780001 | 143785000 | 0.00026688 |
| chr2| 143797001 | 143802000 | 5.90E-08 |
| chr2| 143798001 | 143803000 | 8.78E-11 |
| chr2| 143799001 | 143804000 | 5.98E-10 |
| chr2| 143800001 | 143805000 | 4.45E-08 |
| chr2| 143801001 | 143806000 | 8.20E-07 |
| chr2| 143923001 | 143928000 | 0.001085391 |
| chr2| 143924001 | 143929000 | 2.06E-06 |
| chr2| 143963001 | 143968000 | 0.001221987 |
| chr2| 144168001 | 144173000 | 1.61E-05 |
| chr2| 144174001 | 144179000 | 0.001353771 |
| chr2| 144220001 | 144225000 | 0.000198076 |
| chr2| 144279001 | 144284000 | 7.86E-06 |
| chr2| 144280001 | 144285000 | 2.34E-07 |
| chr2| 144281001 | 144286000 | 5.91E-06 |
| chr2| 144282001 | 144287000 | 5.70E-08 |
| chr2| 144283001 | 144288000 | 1.62E-08 |
| chr2| 144334001 | 144339000 | 1.24E-05 |
| chr2| 144422001 | 144427000 | 0.001505537 |
| chr2| 1444641001 | 144646000 | 1.67E-05 |
| chr2| 144690001 | 144695000 | 2.05E-56 |
| chr2| 144691001 | 144696000 | 4.04E-42 |
| chr2| 144692001 | 144697000 | 3.00E-47 |
| chr2| 144693001 | 144698000 | 1.77E-35 |
| chr2| 144694001 | 144699000 | 1.24E-23 |
| chr2| 144743001 | 144748000 | 0.000805419 |
| chr2| 144744001 | 144749000 | 0.000854537 |
| chr2| 144890001 | 144895000 | 4.51E-05 |
| chr2| 144893001 | 144898000 | 6.61E-06 |
| chr2| 144937001 | 144942000 | 1.58E-05 |
| chr2| 144939001 | 144944000 | 1.40E-05 |
| chr2| 145014001 | 145019000 | 0.005066554 |
| chr2| 145087001 | 145092000 | 7.34E-61 |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr2       | 149397001 | 149402000 | 1.68E-20   |
| chr2       | 149398001 | 149403000 | 5.35E-35    |
| chr2       | 149628001 | 149633000 | 3.47E-42    |
| chr2       | 149629001 | 149634000 | 1.75E-41    |
| chr2       | 149630001 | 149635000 | 1.32E-34    |
| chr2       | 149798001 | 149803000 | 2.86E-07    |
| chr2       | 149891001 | 149896000 | 8.91E-27    |
| chr2       | 149892001 | 149897000 | 2.89E-28    |
| chr2       | 149924001 | 149929000 | 8.85E-05    |
| chr2       | 150184001 | 150189000 | 6.78E-48    |
| chr2       | 150185001 | 150190000 | 2.15E-54    |
| chr2       | 150186001 | 150191000 | 1.74E-50    |
| chr2       | 150187001 | 150192000 | 2.15E-49    |
| chr2       | 150192001 | 150197000 | 0.000225026 |
| chr2       | 150193001 | 150198000 | 5.97E-05    |
| chr2       | 150194001 | 150199000 | 0.001181823 |
| chr2       | 150439001 | 150444000 | 8.13E-27    |
| chr2       | 150444001 | 150449000 | 1.55E-27    |
| chr2       | 150769001 | 150774000 | 0.003775758 |
| chr2       | 150770001 | 150775000 | 0.003003781 |
| chr2       | 150978001 | 150983000 | 8.28E-06    |
| chr2       | 151337001 | 151342000 | 3.16E-14    |
| chr2       | 151501001 | 151506000 | 4.60E-05    |
| chr2       | 151502001 | 151507000 | 1.57E-05    |
| chr2       | 151520001 | 151525000 | 0.002711039 |
| chr2       | 151680001 | 151685000 | 0.003388117 |
| chr2       | 151681001 | 151686000 | 0.000839832 |
| chr2       | 151682001 | 151687000 | 0.000839832 |
| chr2       | 151773001 | 151778000 | 2.02E-23    |
| chr2       | 151774001 | 151779000 | 4.51E-23    |
| chr2       | 151919001 | 151924000 | 0.005703531 |
| chr2       | 151967001 | 151972000 | 4.98E-07    |
| chr2       | 151968001 | 151973000 | 8.93E-06    |
| chr2       | 151969001 | 151974000 | 2.88E-06    |
| chr2       | 152039001 | 152044000 | 6.24E-11    |
| chr2       | 152040001 | 152045000 | 1.27E-06    |
| chr2       | 152118001 | 152123000 | 1.51E-26    |
| chr2       | 152141001 | 152146000 | 1.21E-23    |
| chr2       | 152262001 | 152267000 | 4.34E-08    |
| chr2       | 152266001 | 152271000 | 2.75E-38    |
| chr2       | 152680001 | 152685000 | 2.29E-51    |
| chr2       | 152681001 | 152686000 | 6.72E-41    |
| chr2       | 153032001 | 153037000 | 1.46E-40    |
| chr2       | 153192001 | 153197000 | 5.40E-17    |
| chr2       | 153265001 | 153270000 | 0.006237572 |
| chr2       | 153267001 | 153272000 | 2.39E-05    |
| chr2       | 153322001 | 153327000 | 4.20E-05    |
| chr2       | 153614001 | 153619000 | 0.002971571 |
| chr2   | Start       | Stop        | Value       |
|--------|-------------|-------------|-------------|
| 157288001 | 157293000   | 2.05E-25    |
| 157292001 | 157297000   | 2.71E-37    |
| 157293001 | 157298000   | 1.06E-18    |
| 157342001 | 157347000   | 4.41E-09    |
| 157343001 | 157348000   | 3.50E-11    |
| 157613001 | 157618000   | 0.000588076 |
| 157968001 | 157973000   | 0.001553404 |
| 157994001 | 157999000   | 0.000487084 |
| 158362001 | 158367000   | 0.00536327  |
| 158363001 | 158368000   | 0.00536327  |
| 158364001 | 158369000   | 0.008974851 |
| 158365001 | 158370000   | 7.35E-06    |
| 158406001 | 158411000   | 0.001267175 |
| 158480001 | 158485000   | 8.71E-15    |
| 158481001 | 158486000   | 1.92E-30    |
| 158482001 | 158487000   | 1.57E-46    |
| 158483001 | 158488000   | 1.45E-44    |
| 158484001 | 158489000   | 3.27E-44    |
| 158485001 | 158490000   | 2.34E-44    |
| 158732001 | 158737000   | 5.57E-21    |
| 158802001 | 158807000   | 0.000666566 |
| 159068001 | 159073000   | 0.001707423 |
| 159182001 | 159187000   | 2.51E-07    |
| 159309001 | 159314000   | 2.58E-19    |
| 159310001 | 159315000   | 1.44E-24    |
| 159779001 | 159784000   | 9.58E-05    |
| 159780001 | 159785000   | 8.62E-05    |
| 159821001 | 159826000   | 6.29E-39    |
| 160138001 | 160143000   | 7.41E-32    |
| 160139001 | 160144000   | 8.43E-49    |
| 160140001 | 160145000   | 1.81E-51    |
| 160141001 | 160146000   | 4.28E-58    |
| 160142001 | 160147000   | 7.56E-30    |
| 160143001 | 160148000   | 4.83E-29    |
| 160366001 | 160371000   | 0.00074777  |
| 160367001 | 160372000   | 0.002544098 |
| 160368001 | 160373000   | 0.018487001 |
| 160564001 | 160569000   | 6.80E-29    |
| 160636001 | 160641000   | 1.84E-06    |
| 160637001 | 160642000   | 1.94E-06    |
| 160654001 | 160659000   | 1.45E-48    |
| 160693001 | 160698000   | 0.000263916 |
| 160919001 | 160924000   | 7.77E-11    |
| 160978001 | 160983000   | 8.03E-05    |
| 160994001 | 160999000   | 7.52E-08    |
| 161161001 | 161166000   | 5.58E-09    |
| 161211001 | 161216000   | 0.001831405 |
| 161264001 | 161269000   | 1.81E-50    |
| Chromosome | Start | End | p-value |
|------------|-------|-----|---------|
| chr2       | 161345001 | 161350000 | 1.20E-81 |
| chr2       | 161346001 | 161351000 | 2.55E-62 |
| chr2       | 161348001 | 161353000 | 1.02E-38 |
| chr2       | 161349001 | 161354000 | 6.50E-54 |
| chr2       | 161350001 | 161355000 | 3.98E-18 |
| chr2       | 161564001 | 161569000 | 0.000454141 |
| chr2       | 161793001 | 161798000 | 0.016102755 |
| chr2       | 161908001 | 161913000 | 0.001060896 |
| chr2       | 162017001 | 162022000 | 5.49E-33 |
| chr2       | 162090001 | 162095000 | 9.94E-29 |
| chr2       | 162160001 | 162165000 | 3.44E-38 |
| chr2       | 162266001 | 162271000 | 3.42E-10 |
| chr2       | 162267001 | 162272000 | 1.52E-29 |
| chr2       | 162351001 | 162356000 | 0.002059092 |
| chr2       | 162352001 | 162357000 | 0.001625532 |
| chr2       | 162394001 | 162399000 | 1.53E-06 |
| chr2       | 162395001 | 162400000 | 1.79E-07 |
| chr2       | 162396001 | 162401000 | 9.16E-05 |
| chr2       | 162476001 | 162481000 | 2.45E-06 |
| chr2       | 162477001 | 162482000 | 3.64E-11 |
| chr2       | 162571001 | 162576000 | 0.000886145 |
| chr2       | 162599001 | 162604000 | 8.06E-07 |
| chr2       | 162603001 | 162608000 | 1.36E-09 |
| chr2       | 162741001 | 162746000 | 3.38E-06 |
| chr2       | 162918001 | 162923000 | 8.64E-06 |
| chr2       | 162919001 | 162924000 | 0.00450096 |
| chr2       | 163074001 | 163079000 | 6.60E-07 |
| chr2       | 163075001 | 163080000 | 2.85E-07 |
| chr2       | 163076001 | 163081000 | 2.00E-07 |
| chr2       | 163077001 | 163082000 | 7.80E-11 |
| chr2       | 163141001 | 163146000 | 3.07E-07 |
| chr2       | 163142001 | 163147000 | 9.46E-05 |
| chr2       | 163170001 | 163175000 | 1.36E-17 |
| chr2       | 163171001 | 163176000 | 6.05E-38 |
| chr2       | 163175001 | 163180000 | 2.36E-32 |
| chr2       | 163196001 | 163201000 | 1.47E-36 |
| chr2       | 163200001 | 163205000 | 7.20E-35 |
| chr2       | 163201001 | 163206000 | 1.27E-12 |
| chr2       | 163716001 | 163721000 | 4.87E-05 |
| chr2       | 163775001 | 163780000 | 0.022779107 |
| chr2       | 164281001 | 164286000 | 0.000192784 |
| chr2       | 164285001 | 164290000 | 0.001022281 |
| chr2       | 164286001 | 164291000 | 0.00034984 |
| chr2       | 164287001 | 164292000 | 7.56E-05 |
| chr2       | 164593001 | 164598000 | 1.36E-25 |
| chr2       | 165033001 | 165038000 | 0.001268891 |
| chr2       | 165141001 | 165146000 | 0.00078929 |
| Chromosome | Start | End   | Score   |
|------------|-------|-------|---------|
| chr2       | 165431001 | 165436000 | 7.57E-07 |
| chr2       | 165432001 | 165437000 | 1.87E-06 |
| chr2       | 165435001 | 165440000 | 3.75E-06 |
| chr2       | 165473001 | 165478000 | 4.17E-12 |
| chr2       | 165475001 | 165480000 | 1.29E-19 |
| chr2       | 165478001 | 165483000 | 9.19E-14 |
| chr2       | 165480001 | 165485000 | 6.13E-47 |
| chr2       | 165482001 | 165487000 | 1.38E-16 |
| chr2       | 165484001 | 165489000 | 6.65E-26 |
| chr2       | 165486001 | 165491000 | 3.57E-26 |
| chr2       | 165493001 | 165498000 | 0.00164158 |
| chr2       | 165495001 | 165500000 | 4.85E-05 |
| chr2       | 165502001 | 165507000 | 6.58E-07 |
| chr2       | 165504001 | 165509000 | 2.70E-05 |
| chr2       | 165511001 | 165516000 | 1.52E-05 |
| chr2       | 165513001 | 165518000 | 4.03E-06 |
| chr2       | 165519001 | 165524000 | 2.92E-06 |
| chr2       | 165521001 | 165526000 | 2.57E-07 |
| chr2       | 165523001 | 165528000 | 4.25E-08 |
| chr2       | 166104001 | 166109000 | 6.13E-47 |
| chr2       | 166106001 | 166111000 | 2.35E-50 |
| chr2       | 166108001 | 166113000 | 5.77E-26 |
| chr2       | 166111001 | 166116000 | 0.00652286 |
| chr2       | 166127001 | 166132000 | 0.01884549 |
| chr2       | 166134001 | 166139000 | 2.71E-38 |
| chr2       | 166136001 | 166141000 | 8.40E-43 |
| chr2       | 166143001 | 166148000 | 3.09E-53 |
| chr2       | 166149001 | 166154000 | 1.04E-22 |
| chr2       | 166151001 | 166156000 | 0.000153328 |
| chr2       | 166153001 | 166158000 | 0.009650093 |
| chr2       | 166155001 | 166160000 | 0.025362899 |
| chr2       | 166157001 | 166162000 | 0.00409697 |
| chr2       | 166159001 | 166164000 | 0.002371049 |
| chr2       | 166161001 | 166166000 | 0.000256787 |
| chr2       | 166163001 | 166168000 | 1.13E-29 |
| chr2       | 166165001 | 166170000 | 6.42E-09 |
| chr2       | 166167001 | 166172000 | 0.00348944 |
| chr2       | 166169001 | 166174000 | 0.000350267 |
| chr2       | 166171001 | 166176000 | 5.38E-07 |
| chr2       | 166173001 | 166178000 | 9.07E-05 |
| chr2       | 166175001 | 166180000 | 0.0009122 |
| chr2       | 166177001 | 166182000 | 0.00151897 |
| chr2       | 166179001 | 166184000 | 0.000276571 |
| chr2       | 166181001 | 166186000 | 0.003018677 |
| chr2       | 166183001 | 166188000 | 0.000199019 |
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|---------------|
| chr2       | 167947001 | 167952000 | 1.21E-05       |
| chr2       | 168183001 | 168188000 | 2.74E-07       |
| chr2       | 168282001 | 168287000 | 3.28E-09       |
| chr2       | 168581001 | 168586000 | 0.000126474    |
| chr2       | 169101001 | 169106000 | 5.76E-38       |
| chr2       | 169102001 | 169107000 | 1.29E-76       |
| chr2       | 169103001 | 169108000 | 7.96E-53       |
| chr2       | 169104001 | 169109000 | 7.11E-23       |
| chr2       | 169269001 | 169274000 | 1.46E-11       |
| chr2       | 169270001 | 169275000 | 2.65E-08       |
| chr2       | 169271001 | 169276000 | 1.71E-07       |
| chr2       | 169308001 | 169313000 | 5.96E-20       |
| chr2       | 169309001 | 169314000 | 8.16E-09       |
| chr2       | 169311001 | 169316000 | 4.93E-26       |
| chr2       | 169312001 | 169317000 | 4.95E-47       |
| chr2       | 169313001 | 169318000 | 4.84E-29       |
| chr2       | 169477001 | 169482000 | 0.00078999     |
| chr2       | 170163001 | 170168000 | 3.28E-10       |
| chr2       | 170214001 | 170219000 | 8.74E-25       |
| chr2       | 170336001 | 170341000 | 1.01E-22       |
| chr2       | 170437001 | 170442000 | 1.23E-20       |
| chr2       | 170546001 | 170551000 | 4.13E-09       |
| chr2       | 170590001 | 170595000 | 1.34E-22       |
| chr2       | 170677001 | 170682000 | 7.92E-24       |
| chr2       | 170682001 | 170687000 | 3.25E-43       |
| chr2       | 170683001 | 170688000 | 1.95E-58       |
| chr2       | 170684001 | 170689000 | 3.93E-29       |
| chr2       | 171572001 | 171577000 | 3.39E-25       |
| chr2       | 171573001 | 171578000 | 1.09E-33       |
| chr2       | 171781001 | 171786000 | 4.24E-36       |
| chr2       | 171782001 | 171787000 | 2.63E-32       |
| chr2       | 171783001 | 171788000 | 1.93E-32       |
| chr2       | 171784001 | 171789000 | 1.80E-38       |
| chr2       | 171786001 | 171791000 | 1.33E-29       |
| chr2       | 172016001 | 172021000 | 3.91E-58       |
| chr2       | 172017001 | 172022000 | 2.09E-57       |
| chr2       | 172269001 | 172274000 | 0.000465797    |
| chr2       | 172289001 | 172294000 | 9.40E-57       |
| chr2       | 172290001 | 172295000 | 2.80E-88       |
| chr2       | 172291001 | 172296000 | 6.60E-61       |
| chr2       | 172377001 | 172382000 | 1.05E-42       |
| chr2       | 172378001 | 172383000 | 7.79E-35       |
| chr2       | 172578001 | 172583000 | 1.13E-06       |
| chr2       | 172579001 | 172584000 | 2.62E-06       |
| chr2       | 172580001 | 172585000 | 2.08E-06       |
| chr2       | 172748001 | 172753000 | 1.54E-29       |
| chr2       | 172749001 | 172754000 | 1.29E-30       |
| chr2       | 172860001 | 172865000 | 1.45E-12       |
| chr2 | Start1 | End1   | Start2 | End2   | Score  |
|------|--------|--------|--------|--------|--------|
| chr2 | 173034001 | 173039000 | 2.47E-47 |
| chr2 | 173035001 | 173040000 | 3.71E-32 |
| chr2 | 173036001 | 173041000 | 2.18E-36 |
| chr2 | 173288001 | 173293000 | 4.78E-26 |
| chr2 | 173290001 | 173295000 | 1.07E-26 |
| chr2 | 173291001 | 173296000 | 1.79E-49 |
| chr2 | 173292001 | 173297000 | 1.08E-53 |
| chr2 | 173421001 | 173426000 | 1.07E-14 |
| chr2 | 173596001 | 173601000 | 1.66E-21 |
| chr2 | 173597001 | 173602000 | 6.97E-21 |
| chr2 | 173598001 | 173603000 | 1.10E-22 |
| chr2 | 173599001 | 173604000 | 1.86E-24 |
| chr2 | 173600001 | 173605000 | 9.88E-31 |
| chr2 | 173936001 | 173941000 | 3.24E-43 |
| chr2 | 173937001 | 173942000 | 2.40E-35 |
| chr2 | 173941001 | 173946000 | 1.82E-28 |
| chr2 | 173989001 | 173994000 | 6.81E-05 |
| chr2 | 173990001 | 173995000 | 0.000143482 |
| chr2 | 173991001 | 173996000 | 0.000266818 |
| chr2 | 174038001 | 174043000 | 0.000153996 |
| chr2 | 174197001 | 174202000 | 0.000841614 |
| chr2 | 174198001 | 174203000 | 0.00021893 |
| chr2 | 174332001 | 174337000 | 0.001227451 |
| chr2 | 174985001 | 174990000 | 0.00577856 |
| chr2 | 174986001 | 174991000 | 0.009878916 |
| chr2 | 175109001 | 175114000 | 7.33E-27 |
| chr2 | 175110001 | 175115000 | 1.96E-49 |
| chr2 | 175111001 | 175116000 | 3.63E-53 |
| chr2 | 175112001 | 175117000 | 8.00E-51 |
| chr2 | 175113001 | 175118000 | 7.53E-47 |
| chr2 | 175347001 | 175352000 | 5.83E-24 |
| chr2 | 175348001 | 175353000 | 9.92E-33 |
| chr2 | 175351001 | 175356000 | 1.75E-43 |
| chr2 | 175352001 | 175357000 | 2.91E-19 |
| chr2 | 175477001 | 175482000 | 0.001266497 |
| chr2 | 175478001 | 175483000 | 0.007680558 |
| chr2 | 175543001 | 175548000 | 1.45E-30 |
| chr2 | 175547001 | 175552000 | 5.44E-26 |
| chr2 | 175593001 | 175598000 | 7.91E-16 |
| chr2 | 175865001 | 175870000 | 1.65E-48 |
| chr2 | 175866001 | 175871000 | 5.92E-66 |
| chr2 | 175867001 | 175872000 | 3.22E-68 |
| chr2 | 175868001 | 175873000 | 1.96E-82 |
| chr2 | 175869001 | 175874000 | 5.32E-64 |
| chr2 | 175870001 | 175875000 | 8.87E-59 |
| chr2 | 176028001 | 176033000 | 1.97E-62 |
| chr2 | 176029001 | 176034000 | 4.51E-70 |
| chr2 | 176030001 | 176035000 | 2.22E-78 |
| chromosome | start | end   | p-value   |
|------------|-------|-------|-----------|
| chr2       | 176031001 | 176036000 | 1.22E-69  |
| chr2       | 176032001 | 176037000 | 4.68E-71  |
| chr2       | 176033001 | 176038000 | 3.61E-74  |
| chr2       | 176041001 | 176046000 | 7.79E-11  |
| chr2       | 176042001 | 176047000 | 3.62E-40  |
| chr2       | 176043001 | 176048000 | 5.16E-36  |
| chr2       | 176044001 | 176049000 | 1.56E-22  |
| chr2       | 176045001 | 176050000 | 5.06E-26  |
| chr2       | 176046001 | 176051000 | 3.34E-27  |
| chr2       | 176072001 | 176077000 | 0.000274456 |
| chr2       | 176080001 | 176085000 | 8.90E-05  |
| chr2       | 176081001 | 176086000 | 0.000626797 |
| chr2       | 176178001 | 176183000 | 0.008205223 |
| chr2       | 176253001 | 176258000 | 6.14E-06  |
| chr2       | 176310001 | 176315000 | 5.01E-05  |
| chr2       | 176311001 | 176316000 | 1.61E-05  |
| chr2       | 176312001 | 176317000 | 0.000108215 |
| chr2       | 176313001 | 176318000 | 8.51E-05  |
| chr2       | 176314001 | 176319000 | 7.30E-05  |
| chr2       | 176771001 | 176776000 | 0.008205223 |
| chr2       | 176772001 | 176777000 | 0.002358465 |
| chr2       | 176773001 | 176778000 | 4.89E-14  |
| chr2       | 176867001 | 176872000 | 1.18E-18  |
| chr2       | 177004001 | 177009000 | 1.21E-30  |
| chr2       | 177005001 | 177010000 | 7.84E-26  |
| chr2       | 177041001 | 177046000 | 1.17E-05  |
| chr2       | 177042001 | 177047000 | 1.29E-06  |
| chr2       | 177130001 | 177135000 | 4.35E-35  |
| chr2       | 177131001 | 177136000 | 8.56E-39  |
| chr2       | 177132001 | 177137000 | 4.70E-45  |
| chr2       | 177133001 | 177138000 | 6.66E-88  |
| chr2       | 177134001 | 177139000 | 1.17E-84  |
| chr2       | 177271001 | 177276000 | 0.003679296 |
| chr2       | 177272001 | 177277000 | 0.004159841 |
| chr2       | 177499001 | 177504000 | 1.02E-34  |
| chr2       | 177500001 | 177505000 | 5.00E-33  |
| chr2       | 177501001 | 177506000 | 6.14E-32  |
| chr2       | 177502001 | 177507000 | 9.77E-32  |
| chr2       | 177549001 | 177554000 | 0.004276337 |
| chr2       | 177664001 | 177669000 | 1.61E-06  |
| chr2       | 177665001 | 177670000 | 9.66E-06  |
| chr2       | 177702001 | 177707000 | 0.001589435 |
| chr2       | 177705001 | 177710000 | 0.010036385 |
| chr2       | 177743001 | 177748000 | 0.001912642 |
| chr2       | 177925001 | 177930000 | 0.000525554 |
| chr2       | 178164001 | 178169000 | 0.012456313 |
| chr2       | 178198001 | 178203000 | 7.42E-05  |
| chr2       | 178253001 | 178258000 | 2.50E-64  |
| Chromosome | Start | End   | Score |
|------------|-------|-------|-------|
| chr2       | 17825001 | 178259000 | 4.84E-67 |
| chr2       | 178255001 | 178260000 | 7.58E-74 |
| chr2       | 178256001 | 178261000 | 2.58E-62 |
| chr2       | 178257001 | 178262000 | 1.71E-44 |
| chr2       | 178441001 | 178446000 | 0.001921499 |
| chr2       | 178822001 | 178827000 | 0.000195824 |
| chr2       | 178823001 | 178828000 | 7.65E-06 |
| chr2       | 178824001 | 178829000 | 3.76E-06 |
| chr2       | 178825001 | 178830000 | 0.000450681 |
| chr2       | 178973001 | 178978000 | 1.65E-42 |
| chr2       | 178974001 | 178979000 | 2.89E-42 |
| chr2       | 178975001 | 178980000 | 4.79E-45 |
| chr2       | 178976001 | 178981000 | 3.48E-33 |
| chr2       | 178977001 | 178982000 | 3.15E-46 |
| chr2       | 179054001 | 179059000 | 1.34E-24 |
| chr2       | 179055001 | 179060000 | 8.12E-49 |
| chr2       | 179056001 | 179061000 | 6.79E-53 |
| chr2       | 179057001 | 179062000 | 5.13E-37 |
| chr2       | 179059001 | 179064000 | 3.29E-57 |
| chr2       | 179060001 | 179065000 | 6.15E-15 |
| chr2       | 179111001 | 179116000 | 2.57E-05 |
| chr2       | 179274001 | 179279000 | 1.83E-14 |
| chr2       | 179344001 | 179349000 | 1.37E-19 |
| chr2       | 179345001 | 179350000 | 1.12E-23 |
| chr2       | 179346001 | 179351000 | 9.29E-08 |
| chr2       | 179387001 | 179392000 | 3.22E-20 |
| chr2       | 179388001 | 179393000 | 3.24E-18 |
| chr2       | 179587001 | 179592000 | 0.001191641 |
| chr2       | 179588001 | 179593000 | 3.66E-05 |
| chr2       | 179600001 | 179605000 | 1.69E-05 |
| chr2       | 179632001 | 179637000 | 0.002571824 |
| chr2       | 179633001 | 179638000 | 0.002906665 |
| chr2       | 180127001 | 180132000 | 1.77E-40 |
| chr2       | 180128001 | 180133000 | 2.56E-47 |
| chr2       | 180129001 | 180134000 | 7.50E-46 |
| chr2       | 180158001 | 180163000 | 0.002036782 |
| chr2       | 180282001 | 180287000 | 5.65E-06 |
| chr2       | 180283001 | 180288000 | 8.63E-08 |
| chr2       | 180284001 | 180289000 | 1.26E-07 |
| chr2       | 180285001 | 180290000 | 8.38E-08 |
| chr2       | 180721001 | 180726000 | 8.15E-28 |
| chr2       | 180722001 | 180727000 | 6.04E-36 |
| chr2       | 180723001 | 180728000 | 4.31E-33 |
| chr2       | 180724001 | 180729000 | 1.37E-29 |
| chr2       | 180755001 | 180760000 | 0.00143454 |
| chr2       | 180756001 | 180761000 | 0.000668805 |
| chr2       | 181722001 | 181727000 | 0.00024193 |
| chr2       | 181799001 | 181804000 | 0.000568936 |
| Chromosome | Start | End   | Value     |
|------------|-------|-------|-----------|
| chr2       | 1818000001 | 1818050000 | 6.81E-06  |
| chr2       | 1818000001 | 1818050000 | 5.97E-07  |
| chr2       | 1818230001 | 1818280000 | 0.000374618 |
| chr2       | 1824680001 | 1824730000 | 0.003204003 |
| chr2       | 1825190001 | 1825240000 | 3.13E-41  |
| chr2       | 1825210001 | 1825260000 | 1.37E-22  |
| chr2       | 1826540001 | 1826590000 | 2.09E-05  |
| chr2       | 1826550001 | 1826600000 | 4.04E-07  |
| chr2       | 1829320001 | 1829370000 | 0.000233147 |
| chr2       | 1835760001 | 1835810000 | 6.32E-49  |
| chr2       | 1835770001 | 1835820000 | 8.10E-49  |
| chr2       | 1835810001 | 1835860000 | 3.23E-52  |
| chr2       | 1844420001 | 1844470000 | 0.0071711 |
| chr2       | 1848300001 | 1848880000 | 0.002482869 |
| chr2       | 1850010001 | 1850060000 | 8.67E-06  |
| chr2       | 1850020001 | 1850070000 | 7.94E-05  |
| chr2       | 1850030001 | 1850080000 | 1.18E-05  |
| chr2       | 1854630001 | 1854680000 | 4.39E-54  |
| chr2       | 1856260001 | 1856310000 | 4.38E-06  |
| chr2       | 1856270001 | 1856320000 | 2.42E-05  |
| chr2       | 1856280001 | 1856330000 | 0.00126041 |
| chr2       | 1856300001 | 1856350000 | 1.84E-05  |
| chr2       | 1859560001 | 1859610000 | 0.00081851 |
| chr2       | 1859570001 | 1859620000 | 0.00155244 |
| chr2       | 1859580001 | 1859630000 | 0.00304294 |
| chr2       | 1860060001 | 1860110000 | 1.33E-08  |
| chr2       | 1860070001 | 1860120000 | 7.19E-09  |
| chr2       | 1860090001 | 1860140000 | 8.83E-11  |
| chr2       | 1863110001 | 1863160000 | 9.69E-05  |
| chr2       | 1863120001 | 1863170000 | 2.63E-06  |
| chr2       | 1863130001 | 1863180000 | 2.20E-05  |
| chr2       | 1863440001 | 1863490000 | 1.18E-06  |
| chr2       | 1863450001 | 1863500000 | 7.86E-07  |
| chr2       | 1863460001 | 1863510000 | 4.82E-07  |
| chr2       | 1863480001 | 1863530000 | 1.50E-06  |
| chr2       | 1863890001 | 1863940000 | 0.003682271 |
| chr2       | 1866780001 | 1866830000 | 0.009264563 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr2       | 186679001      | 186684000    | 0.002215208 |
| chr2       | 186758001      | 186763000    | 4.74E-05 |
| chr2       | 186759001      | 186764000    | 5.71E-11 |
| chr2       | 186760001      | 186765000    | 2.24E-11 |
| chr2       | 186761001      | 186766000    | 1.78E-10 |
| chr2       | 186792001      | 186797000    | 0.002646572 |
| chr2       | 186793001      | 186798000    | 0.00064495 |
| chr2       | 187554001      | 187559000    | 4.78E-24 |
| chr2       | 187555001      | 187560000    | 4.66E-19 |
| chr2       | 187556001      | 187561000    | 1.06E-22 |
| chr2       | 187557001      | 187562000    | 3.87E-29 |
| chr2       | 187558001      | 187563000    | 8.98E-27 |
| chr2       | 187559001      | 187564000    | 3.43E-05 |
| chr2       | 187888001      | 187893000    | 0.000739707 |
| chr2       | 188594001      | 188599000    | 0.010535912 |
| chr2       | 188595001      | 188600000    | 0.001332704 |
| chr2       | 188818001      | 188823000    | 6.72E-06 |
| chr2       | 189152001      | 189157000    | 1.10E-33 |
| chr2       | 189153001      | 189158000    | 3.37E-59 |
| chr2       | 189154001      | 189159000    | 7.57E-49 |
| chr2       | 189156001      | 189161000    | 1.12E-57 |
| chr2       | 189157001      | 189162000    | 2.34E-53 |
| chr2       | 189356001      | 189361000    | 9.21E-05 |
| chr2       | 189855001      | 189860000    | 0.006153352 |
| chr2       | 190212001      | 190217000    | 0.020290786 |
| chr2       | 190301001      | 190306000    | 2.43E-13 |
| chr2       | 190306001      | 190311000    | 2.92E-21 |
| chr2       | 190381001      | 190386000    | 0.00010237 |
| chr2       | 190443001      | 190448000    | 1.56E-37 |
| chr2       | 190444001      | 190449000    | 3.21E-46 |
| chr2       | 190445001      | 190450000    | 2.11E-43 |
| chr2       | 190447001      | 190452000    | 0.00278298 |
| chr2       | 190478001      | 190483000    | 0.000344914 |
| chr2       | 190529001      | 190534000    | 0.003744301 |
| chr2       | 190535001      | 190540000    | 9.88E-28 |
| chr2       | 190536001      | 190541000    | 4.18E-24 |
| chr2       | 190537001      | 190542000    | 9.08E-27 |
| chr2       | 190538001      | 190543000    | 8.07E-33 |
| chr2       | 190539001      | 190544000    | 1.58E-25 |
| chr2       | 191041001      | 191046000    | 1.37E-37 |
| chr2       | 191042001      | 191047000    | 3.57E-24 |
| chr2       | 191044001      | 191049000    | 5.45E-55 |
| chr2       | 191045001      | 191050000    | 4.09E-63 |
| chr2       | 191183001      | 191188000    | 3.04E-26 |
| chr2       | 191184001      | 191189000    | 2.69E-38 |
| chr2       | 191204001      | 191209000    | 1.72E-27 |
| chr2       | 191206001      | 191211000    | 3.28E-21 |
| chr2       | 191268001      | 191273000    | 3.42E-24 |
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chr2       | 191269001      | 191274000    | 4.00E-32 |
| chr2       | 191270001      | 191275000    | 1.12E-37 |
| chr2       | 191271001      | 191276000    | 1.45E-51 |
| chr2       | 191272001      | 191277000    | 1.14E-36 |
| chr2       | 191273001      | 191278000    | 2.06E-32 |
| chr2       | 191275001      | 191280000    | 2.32E-06 |
| chr2       | 191277001      | 191282000    | 5.04E-06 |
| chr2       | 191399001      | 191404000    | 2.95E-69 |
| chr2       | 191427001      | 191432000    | 0.003373911 |
| chr2       | 191509001      | 191514000    | 6.04E-39 |
| chr2       | 191512001      | 191517000    | 4.26E-46 |
| chr2       | 191513001      | 191518000    | 3.52E-73 |
| chr2       | 191514001      | 191519000    | 7.19E-61 |
| chr2       | 191843001      | 191848000    | 1.65E-13 |
| chr2       | 191844001      | 191849000    | 9.49E-15 |
| chr2       | 191878001      | 191883000    | 3.62E-41 |
| chr2       | 191881001      | 191886000    | 1.06E-34 |
| chr2       | 191882001      | 191887000    | 8.35E-29 |
| chr2       | 191885001      | 191890000    | 4.40E-21 |
| chr2       | 192105001      | 192110000    | 1.37E-32 |
| chr2       | 192106001      | 192111000    | 1.50E-48 |
| chr2       | 192107001      | 192112000    | 2.18E-30 |
| chr2       | 192108001      | 192113000    | 6.38E-17 |
| chr2       | 192109001      | 192114000    | 5.94E-33 |
| chr2       | 192110001      | 192115000    | 5.33E-31 |
| chr2       | 192184001      | 192189000    | 0.003494693 |
| chr2       | 192494001      | 192499000    | 2.84E-05 |
| chr2       | 192499001      | 192504000    | 2.75E-05 |
| chr2       | 192500001      | 192505000    | 8.18E-07 |
| chr2       | 192501001      | 192506000    | 2.10E-06 |
| chr2       | 192502001      | 192507000    | 1.49E-05 |
| chr2       | 192503001      | 192508000    | 0.000107477 |
| chr2       | 192514001      | 192519000    | 0.001882313 |
| chr2       | 192538001      | 192543000    | 5.15E-45 |
| chr2       | 192539001      | 192544000    | 1.32E-26 |
| chr2       | 192627001      | 192632000    | 3.18E-06 |
| chr2       | 192629001      | 192634000    | 4.90E-12 |
| chr2       | 192702001      | 192707000    | 3.24E-06 |
| chr2       | 193223001      | 193228000    | 3.31E-09 |
| chr2       | 194346001      | 194351000    | 0.000262151 |
| chr2       | 194347001      | 194352000    | 0.000235896 |
| chr2       | 194348001      | 194353000    | 0.000408018 |
| chr2       | 194349001      | 194354000    | 0.000548776 |
| chr2       | 194395001      | 194400000    | 0.015389503 |
| chr2       | 194552001      | 194557000    | 8.80E-05 |
| chr2       | 194553001      | 194558000    | 0.018374144 |
| chr2       | 194897001      | 194902000    | 0.001524391 |
| chr2       | 195063001      | 195068000    | 0.006626968 |
| Chromosome | Start Position | End Position | Numerical Value |
|------------|----------------|--------------|-----------------|
| chr2       | 195065001      | 195070000    | 0.016919339     |
| chr2       | 195070000      | 195075000    | 0.002776204     |
| chr2       | 195075000      | 195080000    | 0.00350155      |
| chr2       | 195080000      | 195085000    | 0.006708563     |
| chr2       | 195085000      | 195090000    | 1.07E-05        |
| chr2       | 195090000      | 195095000    | 0.003497445     |
| chr2       | 195095000      | 195100000    | 3.25E-46        |
| chr2       | 195100000      | 195105000    | 0.01971394      |
| chr2       | 195105000      | 195110000    | 3.47E-32        |
| chr2       | 195110000      | 195115000    | 5.83E-32        |
| chr2       | 195115000      | 195120000    | 1.77E-07        |
| chr2       | 195120000      | 195125000    | 3.48E-48        |
| chr2       | 195125000      | 195130000    | 7.19E-40        |
| chr2       | 195130000      | 195135000    | 7.65E-42        |
| chr2       | 195135000      | 195140000    | 1.02E-52        |
| chr2       | 195140000      | 195145000    | 4.20E-55        |
| chr2       | 195145000      | 195150000    | 3.49E-62        |
| chr2       | 195150000      | 195155000    | 6.28E-57        |
| chr2       | 195155000      | 195160000    | 2.05E-30        |
| chr2       | 195160000      | 195165000    | 3.72E-16        |
| chr2       | 195165000      | 195170000    | 2.25E-15        |
| chr2       | 195170000      | 195175000    | 4.62E-14        |
| chr2       | 195175000      | 195180000    | 0.004621147     |
| chr2       | 195180000      | 195185000    | 0.016011995     |
| chr2       | 195185000      | 195190000    | 3.21E-33        |
| chr2       | 195190000      | 195195000    | 1.65E-34        |
| chr2       | 195195000      | 195200000    | 0.025175604     |
| chr2       | 195200000      | 195205000    | 0.000600992     |
| chr2       | 195205000      | 195210000    | 2.44E-37        |
| chr2       | 195210000      | 195215000    | 9.17E-19        |
| chr2       | 195215000      | 195220000    | 7.42E-15        |
| chr2       | 195220000      | 195225000    | 1.95E-24        |
| chr2       | 195225000      | 195230000    | 2.93E-08        |
| chr2       | 195230000      | 195235000    | 1.42E-05        |
| chr2       | 195235000      | 195240000    | 7.30E-64        |
| chr2       | 195240000      | 195245000    | 1.02E-45        |
| chr2       | 195245000      | 195250000    | 3.50E-59        |
| chr2       | 195250000      | 195255000    | 1.31E-21        |
| chr2       | 195255000      | 195260000    | 4.58E-05        |
| chr2       | 195260000      | 195265000    | 0.000658828     |
| chr2       | 195265000      | 195270000    | 0.000493726     |
| chr2       | 195270000      | 195275000    | 0.000142459     |
| chr2       | 195275000      | 195280000    | 5.20E-06        |
| chr2       | 195280000      | 195285000    | 5.16E-07        |
| chr2       | 195285000      | 195290000    | 9.02E-09        |
| chr2       | 195290000      | 195295000    | 0.00196422      |
| Chromosome | Start Position | End Position | Distance |
|------------|----------------|--------------|----------|
| chr2       | 203103001      | 203108000    | 8.29E-13 |
| chr2       | 203449001      | 203454000    | 2.67E-09 |
| chr2       | 203451001      | 203456000    | 5.13E-09 |
| chr2       | 203452001      | 203457000    | 2.29E-09 |
| chr2       | 203453001      | 203458000    | 3.85E-09 |
| chr2       | 203495001      | 203500000    | 1.41E-13 |
| chr2       | 203496001      | 203501000    | 1.12E-31 |
| chr2       | 203498001      | 203503000    | 3.63E-28 |
| chr2       | 203499001      | 203504000    | 3.51E-40 |
| chr2       | 203500001      | 203505000    | 1.45E-47 |
| chr2       | 203902001      | 203907000    | 6.72E-11 |
| chr2       | 203903001      | 203908000    | 8.65E-10 |
| chr2       | 203904001      | 203909000    | 6.61E-11 |
| chr2       | 204099001      | 204104000    | 5.70E-32 |
| chr2       | 204100001      | 204105000    | 1.18E-27 |
| chr2       | 204101001      | 204106000    | 6.45E-46 |
| chr2       | 204102001      | 204107000    | 2.95E-38 |
| chr2       | 204193001      | 204198000    | 1.17E-21 |
| chr2       | 204266001      | 204271000    | 0.003632198 |
| chr2       | 204399001      | 204404000    | 2.01E-34 |
| chr2       | 204400001      | 204405000    | 3.37E-40 |
| chr2       | 204925001      | 204930000    | 0.009545035 |
| chr2       | 204926001      | 204931000    | 2.72E-06 |
| chr2       | 204927001      | 204932000    | 2.71E-05 |
| chr2       | 204938001      | 204943000    | 5.64E-06 |
| chr2       | 204939001      | 204944000    | 6.19E-06 |
| chr2       | 205135001      | 205140000    | 0.009459395 |
| chr2       | 205405001      | 205410000    | 2.35E-21 |
| chr2       | 205406001      | 205411000    | 2.04E-73 |
| chr2       | 205407001      | 205412000    | 8.87E-46 |
| chr2       | 205408001      | 205413000    | 1.00E-54 |
| chr2       | 205409001      | 205414000    | 1.35E-55 |
| chr2       | 205410001      | 205415000    | 1.14E-58 |
| chr2       | 206073001      | 206078000    | 0.000246567 |
| chr2       | 206197001      | 206202000    | 0.008583784 |
| chr2       | 206198001      | 206203000    | 0.000133367 |
| chr2       | 206199001      | 206204000    | 8.39E-05 |
| chr2       | 206200001      | 206205000    | 0.000472094 |
| chr2       | 206375001      | 206380000    | 0.001335989 |
| chr2       | 206550001      | 206555000    | 9.71E-21 |
| chr2       | 206790001      | 206795000    | 2.11E-17 |
| chr2       | 206950001      | 206955000    | 2.26E-35 |
| chr2       | 207139001      | 207144000    | 3.19E-46 |
| chr2       | 207140001      | 207145000    | 3.16E-12 |
| chr2       | 207290001      | 207295000    | 1.42E-07 |
| chr2       | 207304001      | 207309000    | 2.66E-24 |
| chr2       | 207306001      | 207311000    | 1.81E-17 |
| chr2       | 207307001      | 207312000    | 2.04E-25 |
| Chr | Start | End   | Value    |
|-----|-------|-------|----------|
| chr2| 207308001 | 207313000 | 3.43E-47 |
| chr2| 207382001 | 207387000 | 0.002973072 |
| chr2| 207593001 | 207598000 | 3.24E-05 |
| chr2| 207627001 | 207632000 | 1.73E-25 |
| chr2| 207628001 | 207633000 | 8.71E-24 |
| chr2| 207629001 | 207634000 | 2.26E-22 |
| chr2| 207630001 | 207635000 | 1.27E-39 |
| chr2| 207774001 | 207779000 | 0.003843219 |
| chr2| 207775001 | 207780000 | 0.004931482 |
| chr2| 208030001 | 208035000 | 2.97E-53 |
| chr2| 208031001 | 208036000 | 5.43E-58 |
| chr2| 208390001 | 208395000 | 3.63E-57 |
| chr2| 208391001 | 208396000 | 3.51E-45 |
| chr2| 208486001 | 208491000 | 3.60E-20 |
| chr2| 208489001 | 208494000 | 2.54E-12 |
| chr2| 208490001 | 208495000 | 6.07E-11 |
| chr2| 208542001 | 208547000 | 5.20E-19 |
| chr2| 208543001 | 208548000 | 1.97E-33 |
| chr2| 208544001 | 208549000 | 4.09E-37 |
| chr2| 208545001 | 208550000 | 2.51E-35 |
| chr2| 208546001 | 208551000 | 4.28E-32 |
| chr2| 208576001 | 208581000 | 5.49E-24 |
| chr2| 208633001 | 208638000 | 5.83E-36 |
| chr2| 208634001 | 208639000 | 3.55E-32 |
| chr2| 208731001 | 208736000 | 0.002513264 |
| chr2| 208886001 | 208891000 | 3.63E-38 |
| chr2| 208887001 | 208892000 | 4.01E-29 |
| chr2| 208888001 | 208893000 | 1.24E-28 |
| chr2| 208889001 | 208894000 | 2.90E-22 |
| chr2| 208890001 | 208895000 | 2.06E-23 |
| chr2| 208958001 | 208963000 | 0.002808014 |
| chr2| 208959001 | 208964000 | 0.002808014 |
| chr2| 209250001 | 209255000 | 0.001349728 |
| chr2| 209258001 | 209263000 | 1.50E-13 |
| chr2| 209259001 | 209264000 | 6.82E-12 |
| chr2| 209260001 | 209265000 | 2.33E-15 |
| chr2| 209268001 | 209273000 | 5.98E-10 |
| chr2| 209269001 | 209274000 | 4.51E-16 |
| chr2| 209270001 | 209275000 | 9.02E-14 |
| chr2| 209271001 | 209276000 | 1.66E-15 |
| chr2| 209525001 | 209530000 | 4.66E-06 |
| chr2| 209552001 | 209557000 | 9.52E-05 |
| chr2| 209553001 | 209558000 | 0.000643708 |
| chr2| 209554001 | 209559000 | 0.000304477 |
| chr2| 209555001 | 209560000 | 0.017481658 |
| chr2| 209672001 | 209677000 | 0.0001504 |
| chr2| 209821001 | 209826000 | 2.24E-06 |
| chr2| 209982001 | 209887000 | 3.38E-06 |
| Start   | End     | P-value  |
|---------|---------|----------|
| chr2 209899001 | 209904000 | 0.004843687 |
| chr2 210079001 | 210084000 | 1.37E-05  |
| chr2 2110284001 | 211029000 | 7.18E-28  |
| chr2 210289001 | 210294000 | 3.95E-16  |
| chr2 210748001 | 210753000 | 0.015851487 |
| chr2 210867001 | 210872000 | 1.29E-36  |
| chr2 2110284001 | 211029000 | 1.97E-23  |
| chr2 2110285001 | 211090000 | 7.18E-28  |
| chr2 2110929001 | 2110934000 | 3.95E-16  |
| chr2 211104001 | 211109000 | 4.27E-05  |
| chr2 211206001 | 211211000 | 0.002335754 |
| chr2 211529001 | 211534000 | 0.001890601 |
| chr2 211595001 | 211600000 | 0.001849782 |
| chr2 211831001 | 211836000 | 0.002681971 |
| chr2 211890001 | 211895000 | 8.31E-05  |
| chr2 211934001 | 211939000 | 0.00476299 |
| chr2 211935001 | 211940000 | 0.001238605 |
| chr2 211936001 | 211941000 | 0.001229028 |
| chr2 211937001 | 211942000 | 0.001398306 |
| chr2 2123359001 | 212364000 | 0.002692173 |
| chr2 212575001 | 212580000 | 0.002005569 |
| chr2 212681001 | 212686000 | 0.001359872 |
| chr2 212683001 | 212688000 | 0.000839192 |
| chr2 212864001 | 212869000 | 0.000886895 |
| chr2 213396001 | 213401000 | 9.85E-06  |
| chr2 213402001 | 213407000 | 5.39E-05  |
| chr2 213403001 | 213408000 | 1.24E-25  |
| chr2 213481001 | 213486000 | 1.62E-07  |
| chr2 213643001 | 213648000 | 0.000215433 |
| chr2 213756001 | 213761000 | 0.00014886 |
| chr2 214029001 | 214034000 | 0.000424515 |
| chr2 214030001 | 214035000 | 0.001083996 |
| chr2 214144001 | 214149000 | 0.003456961 |
| chr2 214145001 | 214150000 | 5.28E-37  |
| chr2 214146001 | 214151000 | 9.92E-62  |
| chr2 214147001 | 214152000 | 6.66E-58  |
| chr2 214148001 | 214153000 | 1.93E-53  |
| chr2 214149001 | 214154000 | 7.56E-42  |
| chr2 214217001 | 214222000 | 4.10E-07  |
| chr2 214587001 | 214592000 | 0.002391074 |
| chr2 215393001 | 215398000 | 0.001652457 |
| chr2 215486001 | 215491000 | 0.000392928 |
| chr2 215487001 | 215492000 | 0.000163341 |
| chr2 215540001 | 215545000 | 0.00013028 |
| chr2 215679001 | 215684000 | 0.003257518 |
| chr2 215680001 | 215685000 | 2.32E-05  |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr2       | 215681001 | 215686000 | 5.29E-05 |
| chr2       | 215682001 | 215687000 | 4.71E-05 |
| chr2       | 215739001 | 215744000 | 1.18E-08 |
| chr2       | 215740001 | 215745000 | 6.62E-08 |
| chr2       | 215799001 | 215804000 | 0.000745867 |
| chr2       | 215800001 | 215805000 | 0.000186306 |
| chr2       | 215801001 | 215806000 | 1.35E-06 |
| chr2       | 215802001 | 215807000 | 0.00142685 |
| chr2       | 215805001 | 215810000 | 0.000143168 |
| chr2       | 215828001 | 215833000 | 2.02E-11 |
| chr2       | 215829001 | 215834000 | 3.13E-14 |
| chr2       | 215917001 | 215922000 | 0.007560373 |
| chr2       | 216172001 | 216177000 | 1.03E-32 |
| chr2       | 216173001 | 216178000 | 8.24E-29 |
| chr2       | 216174001 | 216179000 | 3.74E-31 |
| chr2       | 216876001 | 216881000 | 2.29E-26 |
| chr2       | 216877001 | 216882000 | 9.09E-25 |
| chr2       | 216878001 | 216883000 | 3.03E-20 |
| chr2       | 216942001 | 216947000 | 1.16E-29 |
| chr2       | 216943001 | 216948000 | 1.06E-22 |
| chr2       | 216970001 | 216975000 | 8.42E-18 |
| chr2       | 216971001 | 216976000 | 4.83E-21 |
| chr2       | 216972001 | 216977000 | 4.31E-19 |
| chr2       | 216974001 | 216979000 | 4.94E-18 |
| chr2       | 217494001 | 217499000 | 1.14E-23 |
| chr2       | 217495001 | 217500000 | 1.93E-17 |
| chr2       | 217563001 | 217568000 | 1.88E-06 |
| chr2       | 217808001 | 217813000 | 3.56E-06 |
| chr2       | 217809001 | 217814000 | 3.98E-05 |
| chr2       | 217962001 | 217967000 | 8.48E-05 |
| chr2       | 217966001 | 217971000 | 1.22E-07 |
| chr2       | 218023001 | 218028000 | 0.000181381 |
| chr2       | 218405001 | 218410000 | 0.000797396 |
| chr2       | 218406001 | 218411000 | 0.000965654 |
| chr2       | 218538001 | 218543000 | 2.07E-10 |
| chr2       | 218539001 | 218544000 | 5.70E-12 |
| chr2       | 218540001 | 218545000 | 4.32E-10 |
| chr2       | 218541001 | 218546000 | 9.74E-08 |
| chr2       | 218542001 | 218547000 | 0.000145754 |
| chr2       | 218543001 | 218548000 | 0.00719628 |
| chr2       | 218634001 | 218639000 | 0.000429337 |
| chr2       | 218839001 | 218844000 | 0.00017433 |
| chr2       | 218871001 | 218876000 | 3.28E-11 |
| chr2       | 218926001 | 218931000 | 1.02E-08 |
| chr2       | 218951001 | 218956000 | 1.85E-06 |
| chr2       | 218976001 | 218981000 | 0.001011717 |
| chr2       | 219077001 | 219082000 | 2.55E-27 |
| chr2       | 219078001 | 219083000 | 4.94E-25 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr2       | 219079001      | 219084000    | 1.23E-29 |
| chr2       | 219080001      | 219085000    | 1.03E-17 |
| chr2       | 219270001      | 219275000    | 1.65E-08 |
| chr2       | 219271001      | 219276000    | 1.76E-13 |
| chr2       | 219428001      | 219433000    | 3.23E-16 |
| chr2       | 219429001      | 219434000    | 3.02E-45 |
| chr2       | 219532001      | 219537000    | 4.43E-16 |
| chr2       | 219536001      | 219541000    | 1.77E-11 |
| chr2       | 219571001      | 219576000    | 9.90E-40 |
| chr2       | 219572001      | 219577000    | 3.03E-35 |
| chr2       | 219573001      | 219578000    | 3.88E-34 |
| chr2       | 219575001      | 219580000    | 1.31E-27 |
| chr2       | 219744001      | 219749000    | 1.03E-06 |
| chr2       | 219753001      | 219758000    | 1.28E-30 |
| chr2       | 219754001      | 219759000    | 7.18E-14 |
| chr2       | 219755001      | 219760000    | 1.55E-12 |
| chr2       | 219756001      | 219761000    | 2.00E-10 |
| chr2       | 219925001      | 219930000    | 5.12E-21 |
| chr2       | 220021001      | 220026000    | 1.37E-25 |
| chr2       | 220022001      | 220027000    | 8.41E-21 |
| chr2       | 220023001      | 220028000    | 6.26E-25 |
| chr2       | 220024001      | 220029000    | 8.13E-17 |
| chr2       | 220025001      | 220030000    | 9.33E-11 |
| chr2       | 220037001      | 220042000    | 3.79E-10 |
| chr2       | 220067001      | 220072000    | 1.54E-24 |
| chr2       | 220116001      | 220121000    | 4.71E-17 |
| chr2       | 220117001      | 220122000    | 1.54E-17 |
| chr2       | 220118001      | 220123000    | 4.67E-14 |
| chr2       | 220169001      | 220174000    | 1.98E-15 |
| chr2       | 220170001      | 220175000    | 2.83E-20 |
| chr2       | 220171001      | 220176000    | 5.09E-14 |
| chr2       | 220252001      | 220257000    | 2.46E-37 |
| chr2       | 220280001      | 220285000    | 0.001376815 |
| chr2       | 220303001      | 220308000    | 4.42E-06 |
| chr2       | 220407001      | 220412000    | 9.72E-53 |
| chr2       | 220433001      | 220438000    | 4.56E-26 |
| chr2       | 220434001      | 220439000    | 9.95E-42 |
| chr2       | 220435001      | 220440000    | 1.46E-32 |
| chr2       | 220490001      | 220495000    | 1.90E-06 |
| chr2       | 220813001      | 220818000    | 0.007812864 |
| chr2       | 220840001      | 220845000    | 0.000139663 |
| chr2       | 220842001      | 220847000    | 4.91E-05 |
| chr2       | 221210001      | 221215000    | 0.000153406 |
| chr2       | 221211001      | 221216000    | 0.000138948 |
| chr2       | 221212001      | 221217000    | 0.001198645 |
| chr2       | 221213001      | 221218000    | 3.26E-05 |
| chr2       | 221265001      | 221270000    | 8.90E-07 |
| chr2       | 221266001      | 221271000    | 1.64E-05 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr2       | 221267001      | 221272000    | 8.88E-06|
| chr2       | 221268001      | 221273000    | 3.76E-05|
| chr2       | 221925001      | 221930000    | 0.00048179|
| chr2       | 221926001      | 221931000    | 0.001292161|
| chr2       | 221994001      | 221999000    | 0.003787145|
| chr2       | 221995001      | 222000000    | 0.000198015|
| chr2       | 222236001      | 222331000    | 9.15E-09|
| chr2       | 222327001      | 222332000    | 1.04E-07|
| chr2       | 222329001      | 222334000    | 8.78E-09|
| chr2       | 222330001      | 222335000    | 7.37E-08|
| chr2       | 222432001      | 222437000    | 1.98E-16|
| chr2       | 222433001      | 222438000    | 2.23E-23|
| chr2       | 222508001      | 222513000    | 0.005851676|
| chr2       | 222740001      | 222745000    | 8.78E-05|
| chr2       | 222741001      | 222746000    | 0.00010733|
| chr2       | 222938001      | 222943000    | 1.33E-06|
| chr2       | 222939001      | 222944000    | 1.81E-05|
| chr2       | 222988001      | 222993000    | 1.61E-10|
| chr2       | 222989001      | 222994000    | 1.44E-06|
| chr2       | 222990001      | 222995000    | 9.09E-08|
| chr2       | 222991001      | 222996000    | 2.53E-07|
| chr2       | 223012001      | 223017000    | 0.000903308|
| chr2       | 223016001      | 223021000    | 5.51E-06|
| chr2       | 223047001      | 223052000    | 2.47E-07|
| chr2       | 223048001      | 223053000    | 1.01E-06|
| chr2       | 223049001      | 223054000    | 1.03E-08|
| chr2       | 223050001      | 223055000    | 2.94E-07|
| chr2       | 223078001      | 223083000    | 0.005265739|
| chr2       | 223079001      | 223084000    | 0.008424149|
| chr2       | 223099001      | 223104000    | 2.14E-06|
| chr2       | 223100001      | 223105000    | 4.24E-13|
| chr2       | 223140001      | 223145000    | 6.83E-12|
| chr2       | 223141001      | 223146000    | 5.44E-12|
| chr2       | 223184001      | 223189000    | 4.57E-24|
| chr2       | 223220001      | 223225000    | 4.47E-06|
| chr2       | 223221001      | 223226000    | 7.07E-06|
| chr2       | 223222001      | 223227000    | 1.71E-06|
| chr2       | 223284001      | 223289000    | 1.90E-08|
| chr2       | 223285001      | 223290000    | 1.76E-21|
| chr2       | 223286001      | 223291000    | 1.18E-20|
| chr2       | 223287001      | 223292000    | 1.59E-16|
| chr2       | 223721001      | 223726000    | 5.91E-55|
| chr2       | 223952001      | 223957000    | 0.001603035|
| chr2       | 224060001      | 224065000    | 0.00584471|
| chr2       | 224216001      | 224221000    | 0.00012187|
| chr2       | 224351001      | 224356000    | 2.37E-06|
| chr2       | 224473001      | 224478000    | 8.11E-12|
| chr2       | 224474001      | 224479000    | 5.86E-28|
| Chromosome | Start Position | End Position | P-value              |
|------------|----------------|--------------|---------------------|
| chr2       | 224475001      | 224480000    | 1.82E-20             |
| chr2       | 224476001      | 224481000    | 2.15E-22             |
| chr2       | 224477001      | 224482000    | 3.10E-20             |
| chr2       | 224478001      | 224483000    | 5.16E-19             |
| chr2       | 224501001      | 224506000    | 0.01876607           |
| chr2       | 224818001      | 224823000    | 1.51E-36             |
| chr2       | 224819001      | 224824000    | 6.20E-40             |
| chr2       | 224899001      | 224904000    | 2.42E-25             |
| chr2       | 224900001      | 224905000    | 7.99E-22             |
| chr2       | 224903001      | 224908000    | 3.35E-30             |
| chr2       | 225307001      | 225312000    | 1.15E-22             |
| chr2       | 225400001      | 225405000    | 0.004935692           |
| chr2       | 225445001      | 225450000    | 3.98E-61             |
| chr2       | 225446001      | 225451000    | 6.29E-69             |
| chr2       | 225447001      | 225452000    | 1.85E-50             |
| chr2       | 225449001      | 225454000    | 3.88E-42             |
| chr2       | 225543001      | 225548000    | 2.21E-06             |
| chr2       | 225904001      | 225909000    | 6.50E-26             |
| chr2       | 225905001      | 225910000    | 1.69E-40             |
| chr2       | 225906001      | 225911000    | 1.15E-55             |
| chr2       | 225907001      | 225912000    | 3.65E-37             |
| chr2       | 225926001      | 225931000    | 4.37E-06             |
| chr2       | 225927001      | 225932000    | 1.71E-05             |
| chr2       | 226241001      | 226246000    | 0.003046007           |
| chr2       | 226455001      | 226460000    | 0.000537829           |
| chr2       | 226481001      | 226486000    | 4.52E-90             |
| chr2       | 226482001      | 226487000    | 1.13E-90             |
| chr2       | 226483001      | 226488000    | 7.73E-86             |
| chr2       | 226484001      | 226489000    | 1.38E-78             |
| chr2       | 226485001      | 226490000    | 1.51E-67             |
| chr2       | 226892001      | 226897000    | 3.46E-11             |
| chr2       | 226893001      | 226898000    | 2.51E-13             |
| chr2       | 226894001      | 226899000    | 4.30E-15             |
| chr2       | 227390001      | 227395000    | 0.001530412           |
| chr2       | 227391001      | 227396000    | 0.002598743           |
| chr2       | 227696001      | 227701000    | 8.83E-52             |
| chr2       | 227700001      | 227705000    | 2.22E-52             |
| chr2       | 227813001      | 227818000    | 0.000317296           |
| chr2       | 227825001      | 227830000    | 6.04E-05             |
| chr2       | 227826001      | 227831000    | 4.42E-05             |
| chr2       | 227827001      | 227832000    | 1.31E-08             |
| chr2       | 228024001      | 228029000    | 4.31E-49             |
| chr2       | 228025001      | 228030000    | 3.96E-53             |
| chr2       | 228026001      | 228031000    | 2.83E-46             |
| chr2       | 228027001      | 228032000    | 5.39E-52             |
| chr2       | 228029001      | 228034000    | 3.21E-28             |
| chr2       | 228187001      | 228192000    | 2.20E-38             |
| chr2       | 228188001      | 228193000    | 2.11E-52             |
| chr2 | 230104001 | 230109000 | 1.71E-05 |
| chr2 | 230105001 | 230110000 | 7.80E-05 |
| chr2 | 230146001 | 230151000 | 6.25E-12 |
| chr2 | 230392001 | 230397000 | 5.84E-18 |
| chr2 | 230786001 | 230791000 | 2.30E-18 |
| chr2 | 230927001 | 230932000 | 5.78E-26 |
| chr2 | 231187001 | 231192000 | 1.57E-05 |
| chr2 | 231189001 | 231194000 | 1.34E-19 |
| chr2 | 231190001 | 231195000 | 1.53E-21 |
| chr2 | 231191001 | 231196000 | 1.00E-38 |
| chr2 | 231192001 | 231197000 | 1.72E-06 |
| chr2 | 231272001 | 231277000 | 1.67E-18 |
| chr2 | 231345001 | 231350000 | 3.34E-29 |
| chr2 | 231573001 | 231578000 | 1.12E-55 |
| chr2 | 231709001 | 231714000 | 2.35E-27 |
| chr2 | 231918001 | 231923000 | 3.40E-68 |
| chr2 | 231921001 | 231926000 | 3.90E-15 |
| chr2 | 231922001 | 231927000 | 5.01E-34 |
| chr2 | 232061001 | 232066000 | 3.16E-61 |
| chr2 | 232062001 | 232067000 | 3.00E-09 |
| chr2 | 232063001 | 232068000 | 1.26E-30 |
| chr2 | 232064001 | 232065000 | 1.71E-12 |
| chr2 | 232065001 | 232066000 | 1.08E-26 |
| chr2 | 232066001 | 232067000 | 3.16E-61 |
| chr2 | 232645001 | 232650000 | 9.20E-59 |
|------|-----------|-----------|----------|
| chr2 | 232646001 | 232651000 | 2.94E-26 |
| chr2 | 232647001 | 232652000 | 1.20E-80 |
| chr2 | 232648001 | 232653000 | 9.45E-72 |
| chr2 | 232649001 | 232654000 | 6.05E-68 |
| chr2 | 232650001 | 232655000 | 1.42E-51 |
| chr2 | 232651001 | 232656000 | 7.59E-41 |
| chr2 | 232652001 | 232657000 | 2.55E-13 |
| chr2 | 232653001 | 232658000 | 9.08E-13 |
| chr2 | 232654001 | 232659000 | 1.22E-15 |
| chr2 | 232655001 | 232660000 | 6.11E-11 |
| chr2 | 232656001 | 232661000 | 1.48E-17 |
| chr2 | 232657001 | 232662000 | 5.09E-11 |
| chr2 | 232658001 | 232663000 | 4.01E-10 |
| chr2 | 232659001 | 232664000 | 5.48E-11 |
| chr2 | 232660001 | 232665000 | 3.19E-10 |
| chr2 | 232661001 | 232666000 | 4.65E-14 |
| chr2 | 232662001 | 232667000 | 3.66E-24 |
| chr2 | 232663001 | 232668000 | 1.55E-25 |
| chr2 | 232664001 | 232669000 | 2.44E-32 |
| chr2 | 232665001 | 232670000 | 1.44E-20 |
| chr2 | 232666001 | 232671000 | 2.72E-19 |
| chr2 | 232667001 | 232672000 | 3.36E-22 |
| chr2 | 232668001 | 232673000 | 3.02E-12 |
| chr2 | 232669001 | 232674000 | 1.06E-22 |
| chr2 | 232670001 | 232675000 | 7.11E-08 |
| chr2 | 232671001 | 232676000 | 8.37E-36 |
| chr2 | 232672001 | 232677000 | 1.14E-40 |
| chr2 | 232673001 | 232678000 | 3.78E-24 |
| chr2 | 232674001 | 232679000 | 7.35E-37 |
| chr2 | 232675001 | 232680000 | 3.02E-66 |
| chr2 | 232676001 | 232681000 | 2.33E-15 |
| chr2 | 232677001 | 232682000 | 4.21E-10 |
| chr2 | 232678001 | 232683000 | 2.79E-11 |
| chr2 | 232679001 | 232684000 | 6.14E-39 |
| chr2 | 232680001 | 232685000 | 4.81E-34 |
| chr2 | 232681001 | 232686000 | 2.47E-31 |
| chr2 | 232682001 | 232687000 | 2.08E-28 |
| chr2 | 232683001 | 232688000 | 3.69E-27 |
| chr2 | 232684001 | 232689000 | 7.83E-06 |
| chr2 | 232685001 | 232690000 | 6.10E-20 |
| chr2 | 232686001 | 232691000 | 0.001230342 |
| chr2 | 232687001 | 232692000 | 7.05E-24 |
| chr2 | 232688001 | 232693000 | 5.25E-34 |
| chr2 | 232689001 | 232694000 | 6.86E-27 |
| chr2 | 232690001 | 232695000 | 1.16E-32 |
| chr2 | 232691001 | 232696000 | 1.38E-24 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr2       | 236577001      | 236582000    | 4.85E-42 |
| chr2       | 236578001      | 236583000    | 7.69E-40 |
| chr2       | 236579001      | 236584000    | 7.50E-26 |
| chr2       | 237187001      | 237192000    | 0.004426796 |
| chr2       | 237188001      | 237193000    | 9.24E-05 |
| chr2       | 237189001      | 237194000    | 2.89E-05 |
| chr2       | 237235001      | 237240000    | 2.15E-09 |
| chr2       | 237236001      | 237241000    | 1.74E-11 |
| chr2       | 237318001      | 237323000    | 8.90E-07 |
| chr2       | 237334001      | 237339000    | 6.01E-08 |
| chr2       | 237335001      | 237340000    | 1.84E-08 |
| chr2       | 237336001      | 237341000    | 2.58E-06 |
| chr2       | 237337001      | 237342000    | 5.73E-05 |
| chr2       | 237358001      | 237363000    | 3.54E-09 |
| chr2       | 237366001      | 237371000    | 1.83E-10 |
| chr2       | 237399001      | 237404000    | 4.79E-05 |
| chr2       | 237982001      | 237987000    | 2.73E-09 |
| chr2       | 237990001      | 237995000    | 1.17E-36 |
| chr2       | 237991001      | 237996000    | 8.10E-35 |
| chr2       | 237992001      | 237997000    | 1.09E-54 |
| chr2       | 237993001      | 237998000    | 4.63E-66 |
| chr2       | 237994001      | 237999000    | 2.30E-43 |
| chr2       | 238383001      | 238388000    | 3.06E-23 |
| chr2       | 238384001      | 238389000    | 2.13E-27 |
| chr2       | 238391001      | 238396000    | 8.89E-12 |
| chr2       | 238392001      | 238397000    | 1.77E-11 |
| chr2       | 238393001      | 238398000    | 1.24E-10 |
| chr2       | 238461001      | 238466000    | 0.000222013 |
| chr2       | 238534001      | 238539000    | 1.94E-11 |
| chr2       | 238535001      | 238540000    | 6.07E-12 |
| chr2       | 238536001      | 238541000    | 2.85E-12 |
| chr2       | 238596001      | 238601000    | 1.46E-08 |
| chr2       | 238597001      | 238602000    | 2.43E-16 |
| chr2       | 238598001      | 238603000    | 2.76E-15 |
| chr2       | 238599001      | 238604000    | 2.44E-21 |
| chr2       | 238871001      | 238876000    | 7.55E-10 |
| chr2       | 238872001      | 238877000    | 2.98E-13 |
| chr2       | 238873001      | 238878000    | 9.08E-22 |
| chr2       | 238875001      | 238880000    | 5.90E-38 |
| chr2       | 238876001      | 238881000    | 1.91E-25 |
| chr2       | 238965001      | 238970000    | 1.62E-29 |
| chr2       | 238967001      | 238972000    | 2.71E-79 |
| chr2       | 238968001      | 238973000    | 2.18E-53 |
| chr2       | 238969001      | 238974000    | 5.83E-54 |
| chr2       | 238970001      | 238975000    | 6.01E-27 |
| chr2       | 239107001      | 239112000    | 7.75E-43 |
| chr2       | 239144001      | 239149000    | 3.08E-09 |
| chr2       | 239146001      | 239151000    | 4.06E-06 |
| chr2 | 239148001 | 239153000 | 2.58E-09 |
|------|-----------|-----------|----------|
| chr2 | 239197001 | 239202000 | 4.88E-23 |
| chr2 | 239225001 | 239230000 | 9.51E-36 |
| chr2 | 239226001 | 239231000 | 1.76E-15 |
| chr2 | 239675001 | 239680000 | 1.88E-09 |
| chr2 | 239756001 | 239761000 | 2.44E-19 |
| chr2 | 239757001 | 239762000 | 1.01E-26 |
| chr2 | 239758001 | 239763000 | 2.70E-20 |
| chr2 | 240320001 | 240325000 | 1.23E-18 |
| chr2 | 240322001 | 240327000 | 3.33E-43 |
| chr2 | 240323001 | 240328000 | 2.07E-30 |
| chr2 | 240999001 | 241004000 | 5.49E-05 |
| chr2 | 241008001 | 241013000 | 0.001293962 |
| chr2 | 241015001 | 241020000 | 0.010151391 |
| chr2 | 241027001 | 241032000 | 1.17E-15 |
| chr2 | 241028001 | 241033000 | 7.89E-14 |
| chr2 | 241029001 | 241034000 | 4.12E-09 |
| chr2 | 241030001 | 241035000 | 4.43E-17 |
| chr2 | 241031001 | 241036000 | 2.72E-26 |
| chr2 | 241035001 | 241040000 | 2.81E-11 |
| chr2 | 241052001 | 241057000 | 4.17E-05 |
| chr2 | 241178001 | 241183000 | 0.000415221 |
| chr2 | 241503001 | 241508000 | 5.38E-25 |
| chr2 | 241758001 | 241763000 | 3.87E-11 |
| chr2 | 242037001 | 242042000 | 4.82E-08 |
| chr2 | 242084001 | 242089000 | 5.17E-26 |
| chr2 | 242085001 | 242090000 | 3.18E-38 |
| chr2 | 242087001 | 242092000 | 4.83E-27 |
| chr2 | 242211001 | 242216000 | 1.86E-32 |
| chr2 | 242212001 | 242217000 | 4.03E-24 |
| chr2 | 242250001 | 242255000 | 8.96E-46 |
| chr2 | 242251001 | 242256000 | 1.34E-55 |
| chr2 | 242252001 | 242257000 | 1.01E-34 |
| chr2 | 242253001 | 242258000 | 1.25E-15 |
| chr2 | 242255001 | 242260000 | 1.60E-14 |
| chr2 | 242295001 | 242300000 | 2.67E-24 |
| chr2 | 242296001 | 242301000 | 1.51E-13 |
| chr2 | 242443001 | 242448000 | 3.34E-06 |
| chr2 | 242444001 | 242449000 | 2.55E-08 |
| chr2 | 242445001 | 242450000 | 6.24E-34 |
| chr2 | 242446001 | 242451000 | 3.86E-29 |
| chr2 | 242447001 | 242452000 | 1.48E-39 |
| chr2 | 242448001 | 242453000 | 4.26E-22 |
| chr2 | 242572001 | 242577000 | 1.41E-16 |
| chr2 | 242573001 | 242578000 | 6.15E-37 |
| chr2 | 242574001 | 242579000 | 1.54E-40 |
| chr2 | 242575001 | 242580000 | 4.18E-20 |
| chr2 | 242576001 | 242581000 | 2.26E-22 |
| Chromosome | Start | End | Value          |
|------------|-------|-----|---------------|
| chr2       | 242577001 | 242582000 | 8.41E-14     |
| chr2       | 242622001 | 242627000 | 2.19E-20     |
| chr2       | 242630001 | 242638000 | 1.09E-17     |
| chr2       | 242637001 | 242642000 | 9.39E-15     |
| chr2       | 242682001 | 242690000 | 2.36E-10     |
| chr2       | 242690001 | 242695000 | 2.53E-07     |
| chr2       | 243029001 | 243034000 | 2.23E-40     |
| chr2       | 243031001 | 243036000 | 3.01E-41     |
| chr2       | 243156001 | 243161000 | 0.002733344  |
| chr2       | 243157001 | 243162000 | 0.000975905  |
| chr3       | 74001   | 79000 | 8.97E-06     |
| chr3       | 234001  | 239000 | 4.92E-12     |
| chr3       | 235001  | 240000 | 4.01E-25     |
| chr3       | 236001  | 241000 | 4.69E-35     |
| chr3       | 237001  | 242000 | 8.58E-44     |
| chr3       | 239001  | 244000 | 6.67E-39     |
| chr3       | 496001  | 501000 | 0.002144244  |
| chr3       | 526001  | 531000 | 0.031696785  |
| chr3       | 574001  | 579000 | 1.53E-12     |
| chr3       | 577001  | 582000 | 1.21E-13     |
| chr3       | 747001  | 752000 | 3.25E-05     |
| chr3       | 748001  | 753000 | 0.000404849  |
| chr3       | 801001  | 806000 | 9.28E-05     |
| chr3       | 803001  | 808000 | 4.54E-06     |
| chr3       | 831001  | 836000 | 4.29E-05     |
| chr3       | 832001  | 837000 | 0.000198138  |
| chr3       | 862001  | 867000 | 6.68E-07     |
| chr3       | 998001  | 1003000| 3.67E-08     |
| chr3       | 999001  | 1004000| 1.44E-10     |
| chr3       | 1000001 | 1005000| 6.99E-12     |
| chr3       | 1001001 | 1006000| 3.79E-10     |
| chr3       | 1046001 | 1051000| 3.44E-05     |
| chr3       | 1062001 | 1067000| 0.003337425  |
| chr3       | 1063001 | 1068000| 0.000833768  |
| chr3       | 1064001 | 1069000| 1.30E-05     |
| chr3       | 1065001 | 1070000| 1.03E-05     |
| chr3       | 1099001 | 1104000| 4.99E-06     |
| chr3       | 1100001 | 1105000| 2.05E-08     |
| chr3       | 1101001 | 1106000| 1.59E-09     |
| chr3       | 1102001 | 1107000| 5.45E-10     |
| chr3       | 1103001 | 1108000| 6.03E-10     |
| chr3       | 1104001 | 1109000| 4.05E-10     |
| chr3       | 1105001 | 1110000| 1.84E-05     |
| chr3       | 1192001 | 1197000| 5.71E-06     |
| chr3       | 1193001 | 1198000| 9.95E-07     |
| chr3       | 1194001 | 1199000| 9.16E-06     |
| chr3       | 1195001 | 1200000| 2.41E-05     |
| Chr | Start | End   | P-value |
|-----|-------|-------|---------|
| chr3| 1196001| 1201000| 1.25E-06 |
| chr3| 1215001| 1220000| 1.57E-07 |
| chr3| 1375001| 1380000| 0.00228061 |
| chr3| 1407001| 1412000| 1.43E-05 |
| chr3| 1408001| 1413000| 8.69E-06 |
| chr3| 1409001| 1414000| 5.43E-05 |
| chr3| 1413001| 1418000| 0.001069008 |
| chr3| 1446001| 1451000| 0.003524062 |
| chr3| 1539001| 1544000| 0.005198779 |
| chr3| 1540001| 1545000| 0.000127822 |
| chr3| 1541001| 1546000| 0.000148025 |
| chr3| 1542001| 1547000| 0.000145063 |
| chr3| 1543001| 1548000| 3.45E-05 |
| chr3| 1598001| 1603000| 3.49E-05 |
| chr3| 1599001| 1604000| 8.95E-06 |
| chr3| 1700001| 1705000| 1.83E-07 |
| chr3| 1701001| 1706000| 1.60E-09 |
| chr3| 1702001| 1707000| 2.82E-09 |
| chr3| 1801001| 1806000| 0.009444092 |
| chr3| 1802001| 1807000| 0.009444092 |
| chr3| 1827001| 1832000| 0.035806468 |
| chr3| 1831001| 1836000| 0.002110224 |
| chr3| 1870001| 1875000| 0.004588725 |
| chr3| 1892001| 1897000| 5.20E-08 |
| chr3| 1893001| 1898000| 1.94E-08 |
| chr3| 1894001| 1899000| 1.04E-06 |
| chr3| 1931001| 1936000| 0.000978568 |
| chr3| 1932001| 1937000| 4.92E-06 |
| chr3| 1933001| 1938000| 0.000126397 |
| chr3| 1959001| 1964000| 3.01E-06 |
| chr3| 1960001| 1965000| 0.00287544 |
| chr3| 1966001| 1971000| 2.83E-07 |
| chr3| 1967001| 1972000| 1.56E-11 |
| chr3| 1968001| 1973000| 7.09E-09 |
| chr3| 1984001| 1989000| 1.75E-06 |
| chr3| 1996001| 2001000| 1.63E-07 |
| chr3| 1997001| 2002000| 1.35E-09 |
| chr3| 1998001| 2003000| 6.62E-09 |
| chr3| 1999001| 2004000| 1.69E-09 |
| chr3| 2385001| 2390000| 0.000299039 |
| chr3| 2407001| 2412000| 2.60E-12 |
| chr3| 2503001| 2508000| 4.06E-20 |
| chr3| 2504001| 2509000| 7.55E-19 |
| chr3| 2505001| 2510000| 2.80E-16 |
| chr3| 2506001| 2511000| 1.27E-13 |
| chr3| 2518001| 2523000| 2.35E-07 |
| chr3| 2519001| 2524000| 3.29E-06 |
| chr3| 2520001| 2525000| 2.44E-05 |
| Chr | Start | End   | P-value |
|-----|-------|-------|---------|
| chr3 | 2521001 | 2526000 | 2.60E-06 |
| chr3 | 2531001 | 2536000 | 2.73E-06 |
| chr3 | 2532001 | 2537000 | 4.11E-06 |
| chr3 | 2533001 | 2538000 | 1.34E-09 |
| chr3 | 2534001 | 2539000 | 1.59E-09 |
| chr3 | 2536001 | 2541000 | 9.38E-06 |
| chr3 | 2537001 | 2542000 | 8.58E-07 |
| chr3 | 2539001 | 2544000 | 0.000482718 |
| chr3 | 2540001 | 2545000 | 0.000417939 |
| chr3 | 2541001 | 2546000 | 7.11E-07 |
| chr3 | 2542001 | 2547000 | 7.29E-06 |
| chr3 | 2553001 | 2558000 | 9.34E-08 |
| chr3 | 2565001 | 2570000 | 1.08E-05 |
| chr3 | 2566001 | 2571000 | 1.22E-05 |
| chr3 | 2567001 | 2572000 | 0.000466469 |
| chr3 | 2646001 | 2651000 | 0.012259136 |
| chr3 | 2647001 | 2652000 | 0.011480047 |
| chr3 | 2650001 | 2655000 | 2.98E-05 |
| chr3 | 2705001 | 2710000 | 0.0002539 |
| chr3 | 2706001 | 2711000 | 0.000246486 |
| chr3 | 2716001 | 2721000 | 8.07E-06 |
| chr3 | 2717001 | 2722000 | 6.52E-07 |
| chr3 | 2731001 | 2736000 | 2.09E-05 |
| chr3 | 2733001 | 2738000 | 6.08E-06 |
| chr3 | 2734001 | 2739000 | 5.42E-06 |
| chr3 | 2750001 | 2755000 | 0.000495233 |
| chr3 | 2782001 | 2787000 | 0.000337031 |
| chr3 | 2783001 | 2788000 | 1.39E-07 |
| chr3 | 2800001 | 2805000 | 2.14E-13 |
| chr3 | 2801001 | 2806000 | 2.74E-09 |
| chr3 | 2828001 | 2833000 | 3.97E-06 |
| chr3 | 2831001 | 2836000 | 5.54E-05 |
| chr3 | 2932001 | 2937000 | 7.34E-05 |
| chr3 | 3034001 | 3039000 | 1.36E-05 |
| chr3 | 3141001 | 3146000 | 0.028873299 |
| chr3 | 3142001 | 3147000 | 8.93E-06 |
| chr3 | 3217001 | 3222000 | 8.95E-20 |
| chr3 | 3218001 | 3223000 | 9.62E-29 |
| chr3 | 3219001 | 3224000 | 1.48E-30 |
| chr3 | 3220001 | 3225000 | 1.45E-27 |
| chr3 | 3221001 | 3226000 | 8.19E-33 |
| chr3 | 3226001 | 3231000 | 0.000264114 |
| chr3 | 3228001 | 3233000 | 1.66E-05 |
| chr3 | 3229001 | 3234000 | 8.22E-05 |
| chr3 | 3329001 | 3334000 | 0.000296029 |
| chr3 | 3332001 | 3337000 | 3.37E-06 |
| chr3 | 3336001 | 3341000 | 0.001333456 |
| chr3 | 3353001 | 3358000 | 0.008188983 |
| Chr | Start | End   | p-value    |
|-----|-------|-------|------------|
| chr3 | 3354001 | 3359000 | 0.001211865 |
| chr3 | 3355001 | 3360000 | 4.29E-07 |
| chr3 | 3356001 | 3361000 | 6.59E-10 |
| chr3 | 3357001 | 3362000 | 1.32E-08 |
| chr3 | 3381001 | 3386000 | 2.18E-07 |
| chr3 | 3382001 | 3387000 | 3.44E-06 |
| chr3 | 3383001 | 3388000 | 2.26E-05 |
| chr3 | 3384001 | 3389000 | 0.000125386 |
| chr3 | 3403001 | 3408000 | 4.58E-05 |
| chr3 | 3404001 | 3409000 | 3.54E-06 |
| chr3 | 3436001 | 3441000 | 3.11E-05 |
| chr3 | 3518001 | 3523000 | 0.000489469 |
| chr3 | 3520001 | 3525000 | 8.52E-05 |
| chr3 | 3521001 | 3526000 | 9.50E-06 |
| chr3 | 3522001 | 3527000 | 1.85E-05 |
| chr3 | 3558001 | 3563000 | 0.001979331 |
| chr3 | 3559001 | 3564000 | 0.001176205 |
| chr3 | 3570001 | 3575000 | 0.00092857 |
| chr3 | 3571001 | 3576000 | 0.000851016 |
| chr3 | 3632001 | 3637000 | 7.10E-06 |
| chr3 | 3734001 | 3739000 | 4.52E-06 |
| chr3 | 3765001 | 3770000 | 8.05E-06 |
| chr3 | 3810001 | 3815000 | 8.88E-09 |
| chr3 | 3836001 | 3841000 | 2.27E-41 |
| chr3 | 3837001 | 3842000 | 3.70E-49 |
| chr3 | 3873001 | 3878000 | 8.46E-05 |
| chr3 | 3924001 | 3929000 | 6.82E-06 |
| chr3 | 3925001 | 3930000 | 0.00015292 |
| chr3 | 3926001 | 3931000 | 0.000178847 |
| chr3 | 3927001 | 3932000 | 2.66E-07 |
| chr3 | 3984001 | 3989000 | 0.000709352 |
| chr3 | 3985001 | 3990000 | 0.00020012 |
| chr3 | 3986001 | 3991000 | 0.000137457 |
| chr3 | 3988001 | 3993000 | 0.0006067841 |
| chr3 | 4028001 | 4033000 | 0.000429394 |
| chr3 | 4044001 | 4049000 | 2.35E-05 |
| chr3 | 4045001 | 4050000 | 0.000288685 |
| chr3 | 4102001 | 4107000 | 0.0003368441 |
| chr3 | 4158001 | 4163000 | 0.000161567 |
| chr3 | 4202001 | 4207000 | 1.82E-07 |
| chr3 | 4204001 | 4209000 | 3.67E-09 |
| chr3 | 4205001 | 4210000 | 8.46E-08 |
| chr3 | 4206001 | 4211000 | 3.63E-09 |
| chr3 | 4208001 | 4213000 | 4.02E-08 |
| chr3 | 4213001 | 4218000 | 1.03E-07 |
| chr3 | 4214001 | 4219000 | 6.13E-10 |
| chr3 | 4215001 | 4220000 | 3.24E-09 |
| chr3 | 4216001 | 4221000 | 1.57E-11 |
| Chromosome | Start Position | End Position | P-Value       |
|------------|----------------|--------------|---------------|
| chr3       | 4217001        | 422000       | 4.65E-12      |
| chr3       | 4218001        | 4223000      | 2.42E-06      |
| chr3       | 4219001        | 4224000      | 1.62E-07      |
| chr3       | 4245001        | 4250000      | 0.009390848   |
| chr3       | 4255001        | 4260000      | 4.43E-08      |
| chr3       | 4263001        | 4268000      | 0.000544451   |
| chr3       | 4277001        | 4282000      | 0.007820777   |
| chr3       | 4279001        | 4284000      | 0.000484787   |
| chr3       | 4280001        | 4285000      | 1.57E-05      |
| chr3       | 4289001        | 4294000      | 4.26E-06      |
| chr3       | 4296001        | 4301000      | 2.83E-06      |
| chr3       | 4300001        | 4305000      | 1.95E-06      |
| chr3       | 4306001        | 4311000      | 3.08E-07      |
| chr3       | 4398001        | 4403000      | 5.04E-09      |
| chr3       | 4502001        | 4507000      | 1.56E-07      |
| chr3       | 4503001        | 4508000      | 3.96E-10      |
| chr3       | 4504001        | 4509000      | 4.07E-25      |
| chr3       | 4505001        | 4510000      | 4.25E-22      |
| chr3       | 4506001        | 4511000      | 1.16E-16      |
| chr3       | 4507001        | 4512000      | 3.61E-10      |
| chr3       | 4508001        | 4513000      | 7.54E-10      |
| chr3       | 4556001        | 4561000      | 2.19E-08      |
| chr3       | 4557001        | 4562000      | 2.06E-06      |
| chr3       | 4581001        | 4586000      | 1.85E-06      |
| chr3       | 4893001        | 4898000      | 2.88E-08      |
| chr3       | 4910001        | 4915000      | 4.24E-09      |
| chr3       | 5225001        | 5230000      | 2.17E-49      |
| chr3       | 5226001        | 5231000      | 2.18E-43      |
| chr3       | 5229001        | 5234000      | 5.71E-31      |
| chr3       | 5330001        | 5335000      | 0.010343475   |
| chr3       | 5367001        | 5372000      | 0.000319744   |
| chr3       | 5497001        | 5502000      | 0.000198755   |
| chr3       | 5499001        | 5504000      | 0.002053601   |
| chr3       | 5500001        | 5505000      | 0.004516089   |
| chr3       | 5512001        | 5517000      | 0.000179747   |
| chr3       | 5513001        | 5518000      | 0.000186747   |
| chr3       | 5535001        | 5540000      | 0.004868949   |
| chr3       | 5563001        | 5568000      | 0.003591815   |
| chr3       | 5565001        | 5570000      | 0.0072209     |
| chr3       | 5628001        | 5633000      | 3.44E-05      |
| chr3       | 5950001        | 5955000      | 9.79E-07      |
| chr3       | 6063001        | 6068000      | 0.000502922   |
| chr3       | 6188001        | 6193000      | 0.001460707   |
| chr3       | 6299001        | 6304000      | 1.49E-05      |
| chr3       | 6300001        | 6305000      | 3.11E-05      |
| chr3       | 6326001        | 6331000      | 0.000136855   |
| chr3       | 6328001        | 6333000      | 3.84E-05      |
| chr3       | 6329001        | 6334000      | 1.75E-05      |
| Chromosome | Start Base | End Base | p-Value |
|------------|------------|----------|---------|
| chr3       | 6330001    | 6335000  | 4.47E-05|
| chr3       | 6341001    | 6346000  | 8.26E-06|
| chr3       | 6369001    | 6374000  | 2.90E-08|
| chr3       | 6370001    | 6375000  | 6.17E-07|
| chr3       | 6371001    | 6376000  | 5.13E-06|
| chr3       | 6372001    | 6377000  | 1.89E-05|
| chr3       | 6449001    | 6454000  | 0.00578417|
| chr3       | 6520001    | 6525000  | 0.000470317|
| chr3       | 6521001    | 6526000  | 0.000154728|
| chr3       | 6522001    | 6527000  | 7.45E-05|
| chr3       | 6560001    | 6565000  | 0.001052574|
| chr3       | 6569001    | 6574000  | 0.00053537|
| chr3       | 6627001    | 6632000  | 0.000687994|
| chr3       | 6642001    | 6647000  | 0.000462161|
| chr3       | 6778001    | 6783000  | 0.003455445|
| chr3       | 6779001    | 6784000  | 0.001127159|
| chr3       | 6840001    | 6845000  | 0.000221247|
| chr3       | 6841001    | 6846000  | 8.64E-05|
| chr3       | 6865001    | 6870000  | 3.51E-06|
| chr3       | 6866001    | 6871000  | 0.000293517|
| chr3       | 6868001    | 6873000  | 9.41E-06|
| chr3       | 6869001    | 6874000  | 2.48E-06|
| chr3       | 6870001    | 6875000  | 0.000230729|
| chr3       | 6871001    | 6876000  | 9.14E-05|
| chr3       | 6872001    | 6877000  | 6.32E-05|
| chr3       | 6915001    | 6920000  | 6.67E-05|
| chr3       | 6918001    | 6923000  | 0.000129819|
| chr3       | 6987001    | 6992000  | 6.73E-10|
| chr3       | 7062001    | 7067000  | 5.16E-06|
| chr3       | 7069001    | 7074000  | 0.000356039|
| chr3       | 7072001    | 7077000  | 0.001137242|
| chr3       | 7212001    | 7217000  | 0.000202324|
| chr3       | 7261001    | 7266000  | 0.000178603|
| chr3       | 7299001    | 7304000  | 0.000462649|
| chr3       | 7373001    | 7378000  | 3.77E-05|
| chr3       | 7447001    | 7452000  | 5.30E-06|
| chr3       | 7448001    | 7453000  | 5.14E-05|
| chr3       | 7449001    | 7454000  | 8.66E-06|
| chr3       | 7456001    | 7461000  | 3.28E-05|
| chr3       | 7478001    | 7483000  | 0.00014337|
| chr3       | 7479001    | 7484000  | 0.00014337|
| chr3       | 7590001    | 7595000  | 2.12E-05|
| chr3       | 7612001    | 7617000  | 1.23E-06|
| chr3       | 7613001    | 7618000  | 8.28E-07|
| chr3       | 7614001    | 7619000  | 2.09E-07|
| chr3       | 7615001    | 7620000  | 2.13E-05|
| chr3       | 7633001    | 7638000  | 8.97E-05|
| chr3       | 7634001    | 7639000  | 2.53E-06|
| Chr | Start | End   | Value  |
|-----|-------|-------|--------|
| chr3| 7636001| 7641000| 3.57E-05 |
| chr3| 7637001| 7642000| 5.65E-06 |
| chr3| 7669001| 7674000| 0.001913472 |
| chr3| 7670001| 7675000| 0.002159097 |
| chr3| 7671001| 7676000| 0.001918273 |
| chr3| 7732001| 7737000| 3.46E-06 |
| chr3| 7733001| 7738000| 1.71E-05 |
| chr3| 7736001| 7741000| 0.001886748 |
| chr3| 7902001| 7907000| 4.47E-06 |
| chr3| 7914001| 7919000| 4.53E-05 |
| chr3| 7928001| 7933000| 0.000247837 |
| chr3| 7934001| 7939000| 0.00015643 |
| chr3| 7941001| 7946000| 2.96E-05 |
| chr3| 7942001| 7947000| 1.42E-06 |
| chr3| 7943001| 7948000| 1.53E-05 |
| chr3| 7944001| 7949000| 2.95E-07 |
| chr3| 7945001| 7950000| 3.21E-06 |
| chr3| 7946001| 7951000| 1.39E-08 |
| chr3| 7947001| 7952000| 3.10E-08 |
| chr3| 7948001| 7953000| 2.75E-07 |
| chr3| 7977001| 7982000| 6.74E-10 |
| chr3| 7978001| 7983000| 1.54E-10 |
| chr3| 7979001| 7984000| 1.80E-10 |
| chr3| 7987001| 7992000| 0.000142261 |
| chr3| 7988001| 7993000| 4.95E-06 |
| chr3| 7989001| 7994000| 0.000122283 |
| chr3| 7990001| 7995000| 7.04E-05 |
| chr3| 8021001| 8026000| 1.82E-05 |
| chr3| 8022001| 8027000| 2.00E-06 |
| chr3| 8028001| 8033000| 1.83E-05 |
| chr3| 8029001| 8034000| 0.000446687 |
| chr3| 8039001| 8044000| 6.02E-07 |
| chr3| 8040001| 8045000| 1.26E-05 |
| chr3| 8085001| 8090000| 4.59E-05 |
| chr3| 8088001| 8093000| 0.00145521 |
| chr3| 8089001| 8094000| 0.000936099 |
| chr3| 8090001| 8095000| 0.000333491 |
| chr3| 8091001| 8096000| 0.000595991 |
| chr3| 8136001| 8141000| 0.000271607 |
| chr3| 8230001| 8235000| 0.0009660504 |
| chr3| 8231001| 8236000| 0.009597516 |
| chr3| 8232001| 8237000| 0.002168541 |
| chr3| 8250001| 8255000| 0.000140636 |
| chr3| 8251001| 8256000| 6.02E-05 |
| chr3| 8253001| 8258000| 0.000192283 |
| chr3| 8354001| 8359000| 0.003263771 |
| chr3| 8355001| 8360000| 0.000581123 |
| chr3| 8371001| 8376000| 1.03E-05 |
| Chr | Start | End   | P-value            |
|-----|-------|-------|--------------------|
| 3   | 8372001 | 8377000 | 1.03E-07           |
| 3   | 8401001 | 8406000 | 0.012953982        |
| 3   | 8402001 | 8407000 | 0.005320493        |
| 3   | 8403001 | 8408000 | 0.000730857        |
| 3   | 8404001 | 8409000 | 4.62E-05           |
| 3   | 8405001 | 8410000 | 1.08E-08           |
| 3   | 8406001 | 8411000 | 4.62E-08           |
| 3   | 8407001 | 8412000 | 2.01E-07           |
| 3   | 8443001 | 8448000 | 0.000164089        |
| 3   | 8867001 | 8872000 | 0.000783898        |
| 3   | 9000001 | 9005000 | 1.87E-08           |
| 3   | 9057001 | 9062000 | 4.25E-07           |
| 3   | 9400001 | 9405000 | 6.56E-08           |
| 3   | 9744001 | 9749000 | 2.15E-05           |
| 3   | 9881001 | 9886000 | 3.79E-33           |
| 3   | 9882001 | 9887000 | 6.13E-35           |
| 3   | 9883001 | 9888000 | 5.86E-34           |
| 3   | 9956001 | 9961000 | 0.000225334        |
| 3   | 9957001 | 9962000 | 1.23E-12           |
| 3   | 9970001 | 9975000 | 9.68E-17           |
| 3   | 9971001 | 9976000 | 5.14E-15           |
| 3   | 9985001 | 9990000 | 7.82E-05           |
| 3   | 9986001 | 9991000 | 2.08E-06           |
| 3   | 9987001 | 9992000 | 2.69E-06           |
| 3   | 9993001 | 9998000 | 3.46E-05           |
| 3   | 10025001| 10030000| 3.53E-16           |
| 3   | 10026001| 10031000| 2.30E-21           |
| 3   | 10027001| 10032000| 7.08E-12           |
| 3   | 10052001| 10057000| 3.70E-13           |
| 3   | 10063001| 10068000| 3.42E-08           |
| 3   | 10153001| 10158000| 2.63E-20           |
| 3   | 10154001| 10159000| 6.43E-24           |
| 3   | 10157001| 10162000| 2.58E-09           |
| 3   | 10203001| 10208000| 0.000766451        |
| 3   | 10286001| 10291000| 1.18E-14           |
| 3   | 10593001| 10598000| 4.15E-13           |
| 3   | 10745001| 10750000| 2.23E-19           |
| 3   | 10853001| 10858000| 2.33E-22           |
| 3   | 10854001| 10859000| 4.56E-22           |
| 3   | 10856001| 10861000| 4.20E-06           |
| 3   | 11178001| 11183000| 1.51E-16           |
| 3   | 11179001| 11184000| 1.53E-15           |
| 3   | 11195001| 11200000| 1.69E-19           |
| 3   | 11196001| 11201000| 3.27E-19           |
| 3   | 11760001| 11765000| 1.50E-24           |
| 3   | 11761001| 11766000| 1.49E-16           |
| 3   | 11886001| 11891000| 2.17E-16           |
| 3   | 11887001| 11892000| 8.15E-16           |
| Chromosome | Start Position | End Position | Log10(p-value) |
|------------|----------------|--------------|----------------|
| chr3       | 11888001       | 11893000     | 3.70E-17       |
| chr3       | 11924001       | 11929000     | 3.54E-05       |
| chr3       | 11925001       | 11930000     | 0.001502536    |
| chr3       | 11981001       | 11986000     | 1.82E-08       |
| chr3       | 12021001       | 12026000     | 0.00024122     |
| chr3       | 12034001       | 12039000     | 2.75E-05       |
| chr3       | 12041001       | 12046000     | 2.01E-14       |
| chr3       | 12042001       | 12047000     | 1.59E-12       |
| chr3       | 12043001       | 12048000     | 9.95E-12       |
| chr3       | 12101001       | 12106000     | 7.70E-05       |
| chr3       | 12124001       | 12129000     | 0.000286364    |
| chr3       | 12125001       | 12130000     | 0.000988989    |
| chr3       | 12325001       | 12330000     | 1.47E-40       |
| chr3       | 12326001       | 12331000     | 1.21E-47       |
| chr3       | 12327001       | 12332000     | 1.78E-60       |
| chr3       | 12328001       | 12333000     | 4.11E-92       |
| chr3       | 12329001       | 12334000     | 9.18E-108      |
| chr3       | 12330001       | 12335000     | 7.16E-71       |
| chr3       | 12356001       | 12361000     | 1.12E-05       |
| chr3       | 12357001       | 12362000     | 4.77E-06       |
| chr3       | 12358001       | 12363000     | 0.001695018    |
| chr3       | 12526001       | 12531000     | 4.16E-21       |
| chr3       | 13009001       | 13014000     | 1.16E-14       |
| chr3       | 13032001       | 13037000     | 5.47E-08       |
| chr3       | 13036001       | 13041000     | 8.33E-40       |
| chr3       | 13457001       | 13462000     | 1.70E-06       |
| chr3       | 13458001       | 13463000     | 1.25E-10       |
| chr3       | 13459001       | 13464000     | 2.09E-08       |
| chr3       | 13460001       | 13465000     | 9.89E-11       |
| chr3       | 13461001       | 13466000     | 1.16E-19       |
| chr3       | 13462001       | 13467000     | 8.38E-05       |
| chr3       | 13587001       | 13592000     | 0.001174148    |
| chr3       | 13928001       | 13933000     | 0.000105729    |
| chr3       | 13983001       | 13988000     | 2.92E-06       |
| chr3       | 13989001       | 13994000     | 4.33E-06       |
| chr3       | 13990001       | 13995000     | 0.00082976     |
| chr3       | 13997001       | 14002000     | 3.01E-06       |
| chr3       | 13998001       | 14003000     | 2.41E-06       |
| chr3       | 13999001       | 14004000     | 6.24E-07       |
| chr3       | 14162001       | 14167000     | 3.77E-15       |
| chr3       | 14215001       | 14220000     | 1.62E-18       |
| chr3       | 14216001       | 14221000     | 1.97E-34       |
| chr3       | 14217001       | 14222000     | 5.47E-33       |
| chr3       | 14218001       | 14223000     | 2.31E-32       |
| chr3       | 14219001       | 14224000     | 8.23E-34       |
| chr3       | 14220001       | 14225000     | 1.75E-23       |
| chr3       | 14442001       | 14447000     | 1.16E-06       |
| chr3       | 14689001       | 14694000     | 5.49E-23       |
| Chr | Start | End   | P-value  |
|-----|-------|-------|----------|
| chr3 | 14690001 | 14695000 | 1.13E-24  |
| chr3 | 14691001 | 14696000 | 4.17E-25  |
| chr3 | 14692001 | 14697000 | 5.39E-25  |
| chr3 | 14693001 | 14698000 | 4.70E-29  |
| chr3 | 14785001 | 14790000 | 5.07E-05  |
| chr3 | 14786001 | 14791000 | 2.22E-05  |
| chr3 | 14988001 | 14993000 | 8.39E-24  |
| chr3 | 14989001 | 14994000 | 2.02E-14  |
| chr3 | 15104001 | 15109000 | 7.10E-19  |
| chr3 | 15105001 | 15110000 | 6.50E-25  |
| chr3 | 15106001 | 15111000 | 2.48E-36  |
| chr3 | 15136001 | 15141000 | 1.38E-32  |
| chr3 | 15137001 | 15142000 | 6.30E-34  |
| chr3 | 15138001 | 15143000 | 2.12E-40  |
| chr3 | 15139001 | 15144000 | 3.02E-19  |
| chr3 | 15140001 | 15145000 | 1.04E-17  |
| chr3 | 15241001 | 15246000 | 3.74E-08  |
| chr3 | 15242001 | 15247000 | 3.04E-09  |
| chr3 | 15243001 | 15248000 | 2.77E-40  |
| chr3 | 15244001 | 15249000 | 5.80E-41  |
| chr3 | 15245001 | 15250000 | 6.63E-32  |
| chr3 | 15246001 | 15251000 | 6.62E-25  |
| chr3 | 15248001 | 15253000 | 9.83E-12  |
| chr3 | 15310001 | 15315000 | 4.75E-05  |
| chr3 | 15311001 | 15316000 | 1.83E-05  |
| chr3 | 15373001 | 15378000 | 1.31E-05  |
| chr3 | 15464001 | 15469000 | 1.34E-25  |
| chr3 | 15465001 | 15470000 | 7.13E-20  |
| chr3 | 15466001 | 15471000 | 2.18E-19  |
| chr3 | 15467001 | 15472000 | 7.04E-21  |
| chr3 | 15468001 | 15473000 | 3.65E-18  |
| chr3 | 15469001 | 15474000 | 5.82E-17  |
| chr3 | 15559001 | 15564000 | 1.10E-08  |
| chr3 | 15638001 | 15643000 | 9.01E-18  |
| chr3 | 15821001 | 15826000 | 0.000995208 |
| chr3 | 15896001 | 15901000 | 7.74E-18  |
| chr3 | 15897001 | 15902000 | 4.06E-57  |
| chr3 | 15898001 | 15903000 | 5.90E-30  |
| chr3 | 15899001 | 15904000 | 2.50E-36  |
| chr3 | 15900001 | 15905000 | 4.93E-33  |
| chr3 | 15901001 | 15906000 | 5.88E-44  |
| chr3 | 15902001 | 15907000 | 3.03E-21  |
| chr3 | 16026001 | 16031000 | 0.001008031 |
| chr3 | 16027001 | 16032000 | 0.000247505 |
| chr3 | 16087001 | 16092000 | 0.006978448 |
| chr3 | 16638001 | 16643000 | 2.09E-05  |
| chr3 | 16921001 | 16926000 | 1.11E-18  |
| chr3 | 16922001 | 16927000 | 4.70E-30  |
| Chr  | Start Position | End Position | Value       |
|------|----------------|--------------|-------------|
| chr3 | 16930001       | 16935000     | 0.000197665 |
| chr3 | 16976001       | 16981000     | 0.000205414 |
| chr3 | 17876001       | 17881000     | 0.000570685 |
| chr3 | 17896001       | 17901000     | 0.002483368 |
| chr3 | 17954001       | 17959000     | 0.01186134  |
| chr3 | 18245001       | 18250000     | 4.32E-06    |
| chr3 | 18407001       | 18412000     | 1.52E-06    |
| chr3 | 18408001       | 18413000     | 9.97E-07    |
| chr3 | 18409001       | 18414000     | 2.48E-09    |
| chr3 | 18410001       | 18415000     | 4.00E-07    |
| chr3 | 18411001       | 18416000     | 1.88E-06    |
| chr3 | 18461001       | 18466000     | 8.48E-13    |
| chr3 | 18467001       | 18472000     | 4.41E-12    |
| chr3 | 18481001       | 18486000     | 1.19E-50    |
| chr3 | 18482001       | 18487000     | 7.93E-52    |
| chr3 | 18483001       | 18488000     | 5.62E-35    |
| chr3 | 18484001       | 18489000     | 4.22E-24    |
| chr3 | 18486001       | 18491000     | 1.23E-09    |
| chr3 | 18582001       | 18587000     | 0.000143496 |
| chr3 | 18583001       | 18588000     | 0.000877317 |
| chr3 | 18606001       | 18611000     | 0.021386942 |
| chr3 | 18650001       | 18655000     | 0.000386662 |
| chr3 | 18653001       | 18658000     | 0.000359054 |
| chr3 | 18741001       | 18746000     | 0.010920066 |
| chr3 | 18742001       | 18747000     | 0.022000849 |
| chr3 | 18743001       | 18748000     | 0.024307694 |
| chr3 | 18744001       | 18749000     | 0.001318259 |
| chr3 | 18745001       | 18750000     | 0.001124103 |
| chr3 | 18746001       | 18751000     | 0.001833942 |
| chr3 | 18815001       | 18820000     | 0.00281663  |
| chr3 | 18838001       | 18843000     | 0.000190025 |
| chr3 | 18839001       | 18844000     | 4.84E-05    |
| chr3 | 18877001       | 18882000     | 0.001939868 |
| chr3 | 18878001       | 18883000     | 2.00E-06    |
| chr3 | 18901001       | 18906000     | 4.30E-05    |
| chr3 | 18930001       | 18935000     | 7.04E-07    |
| chr3 | 18931001       | 18936000     | 5.87E-07    |
| chr3 | 18932001       | 18937000     | 2.11E-06    |
| chr3 | 18933001       | 18938000     | 8.07E-05    |
| chr3 | 18949001       | 18954000     | 0.001263166 |
| chr3 | 18955001       | 18960000     | 0.003443651 |
| chr3 | 18997001       | 19002000     | 2.36E-07    |
| chr3 | 18998001       | 19003000     | 3.31E-07    |
| chr3 | 18999001       | 19004000     | 4.11E-09    |
| chr3 | 19000001       | 19005000     | 3.80E-09    |
| chr3 | 19184001       | 19189000     | 9.21E-10    |
| chr3 | 19445001       | 19450000     | 0.000790304 |
| chr3 | 19446001       | 19451000     | 0.002927162 |
| Chromosome | Start | End   | p-value  |
|------------|-------|-------|----------|
| chr3       | 19447 | 19450 | 0.001823 |
| chr3       | 19585 | 19600 | 0.021764 |
| chr3       | 19586 | 19600 | 0.004437 |
| chr3       | 19622 | 19627 | 1.66E-06 |
| chr3       | 19623 | 19628 | 8.69E-07 |
| chr3       | 19624 | 19629 | 0.000126 |
| chr3       | 19691 | 19696 | 4.09E-06 |
| chr3       | 19696 | 19701 | 0.002195 |
| chr3       | 19820 | 19825 | 8.24E-06 |
| chr3       | 19821 | 19826 | 0.000320 |
| chr3       | 19822 | 19827 | 0.000171 |
| chr3       | 19882 | 19887 | 0.000372 |
| chr3       | 19888 | 19893 | 0.004021 |
| chr3       | 19890 | 19894 | 0.000244 |
| chr3       | 19891 | 19896 | 0.005866 |
| chr3       | 19984 | 19990 | 9.73E-20 |
| chr3       | 19986 | 19991 | 6.56E-29 |
| chr3       | 19987 | 19992 | 1.40E-29 |
| chr3       | 19988 | 19993 | 8.02E-34 |
| chr3       | 19989 | 19994 | 1.37E-28 |
| chr3       | 20082 | 20087 | 1.65E-08 |
| chr3       | 20282 | 20287 | 9.44E-05 |
| chr3       | 20283 | 20288 | 4.43E-05 |
| chr3       | 20284 | 20289 | 3.80E-05 |
| chr3       | 20285 | 20290 | 0.000114 |
| chr3       | 20286 | 20291 | 1.93E-05 |
| chr3       | 20453 | 20458 | 0.001638 |
| chr3       | 20454 | 20459 | 0.000217 |
| chr3       | 20455 | 20460 | 0.000223 |
| chr3       | 20456 | 20461 | 0.000122 |
| chr3       | 20457 | 20462 | 0.005087 |
| chr3       | 20465 | 20470 | 0.001852 |
| chr3       | 20466 | 20471 | 1.08E-08 |
| chr3       | 20467 | 20472 | 6.93E-10 |
| chr3       | 20470 | 20475 | 1.10E-14 |
| chr3       | 20490 | 20495 | 0.023229 |
| chr3       | 20491 | 20496 | 0.025206 |
| chr3       | 20492 | 20497 | 0.014475 |
| chr3       | 20499 | 20504 | 0.000253 |
| chr3       | 20551 | 20556 | 6.32E-06 |
| chr3       | 20552 | 20557 | 1.10E-05 |
| chr3       | 20553 | 20558 | 1.79E-05 |
| chr3       | 20554 | 20559 | 0.001936 |
| chr3       | 20561 | 20566 | 2.63E-09 |
| chr3       | 20562 | 20567 | 2.25E-10 |
| chr3       | 20563 | 20568 | 4.33E-08 |
| chr3       | 20656 | 20661 | 3.85E-05 |
| chr3       | 20665 | 20670 | 0.000181 |
| Chr | Start (bp) | End (bp) | P-value |
|-----|------------|----------|---------|
| chr3 | 21895001 | 21900000 | 0.000228344 |
| chr3 | 22195001 | 22200000 | 0.00396653 |
| chr3 | 22205001 | 22210000 | 0.002233013 |
| chr3 | 22206001 | 22211000 | 0.003227725 |
| chr3 | 22247001 | 22252000 | 0.002956374 |
| chr3 | 22248001 | 22253000 | 0.003934586 |
| chr3 | 22409001 | 22414000 | 8.65E-15 |
| chr3 | 22411001 | 22416000 | 3.33E-31 |
| chr3 | 22442001 | 22447000 | 3.33E-12 |
| chr3 | 22443001 | 22448000 | 9.32E-28 |
| chr3 | 22458001 | 22463000 | 1.52E-28 |
| chr3 | 22464001 | 22469000 | 1.34E-28 |
| chr3 | 22469001 | 22474000 | 0.000301208 |
| chr3 | 22470001 | 22475000 | 8.40E-06 |
| chr3 | 22498001 | 22503000 | 0.000964466 |
| chr3 | 22499001 | 22504000 | 0.00661161 |
| chr3 | 22500001 | 22505000 | 0.02271435 |
| chr3 | 22582001 | 22587000 | 0.001363361 |
| chr3 | 22637001 | 22642000 | 2.28E-05 |
| chr3 | 22638001 | 22643000 | 3.23E-05 |
| chr3 | 22656001 | 22661000 | 1.33E-08 |
| chr3 | 22657001 | 22662000 | 4.34E-08 |
| chr3 | 22658001 | 22663000 | 2.00E-09 |
| chr3 | 22668001 | 22673000 | 0.002961638 |
| chr3 | 22688001 | 22693000 | 0.005091446 |
| chr3 | 22784001 | 22789000 | 2.20E-06 |
| chr3 | 22869001 | 22874000 | 2.22E-08 |
| chr3 | 23240001 | 23245000 | 1.00E-28 |
| chr3 | 23245001 | 23250000 | 6.63E-08 |
| chr3 | 23391001 | 23396000 | 1.58E-12 |
| chr3 | 23392001 | 23397000 | 3.47E-10 |
| chr3 | 23393001 | 23398000 | 3.03E-09 |
| chr3 | 23843001 | 23848000 | 1.91E-09 |
| chr3 | 23844001 | 23849000 | 1.48E-12 |
| chr3 | 23845001 | 23850000 | 1.48E-28 |
| chr3 | 23846001 | 23851000 | 7.06E-27 |
| chr3 | 23849001 | 23854000 | 3.13E-22 |
| chr3 | 23850001 | 23855000 | 2.25E-20 |
| chr3 | 23852001 | 23857000 | 7.67E-16 |
| chr3 | 23954001 | 23959000 | 1.47E-28 |
| chr3 | 23955001 | 23960000 | 1.01E-33 |
| chr3 | 23983001 | 23988000 | 3.31E-11 |
| chr3 | 23986001 | 23991000 | 1.45E-42 |
| chr3 | 23987001 | 23992000 | 6.46E-46 |
| chr3 | 24398001 | 24403000 | 0.005356506 |
| chr3 | 24531001 | 24536000 | 2.69E-37 |
| chr3 | 24532001 | 24537000 | 3.52E-34 |
| chr3 | 24533001 | 24538000 | 3.54E-20 |
| chr3 | 24534001 | 24539000 | 1.28E-22 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr3       | 24535001       | 24540000     | 3.69E-17 |
| chr3       | 24536001       | 24541000     | 4.55E-20 |
| chr3       | 24537001       | 24542000     | 1.61E-13 |
| chr3       | 24866001       | 24871000     | 8.36E-12 |
| chr3       | 24867001       | 24872000     | 1.39E-16 |
| chr3       | 24868001       | 24873000     | 3.60E-22 |
| chr3       | 24869001       | 24874000     | 2.00E-20 |
| chr3       | 24870001       | 24875000     | 2.39E-25 |
| chr3       | 24871001       | 24876000     | 1.52E-31 |
| chr3       | 25094001       | 25099000     | 0.00127795 |
| chr3       | 25123001       | 25128000     | 0.005221025 |
| chr3       | 2523001       | 25268000     | 0.002653979 |
| chr3       | 25264001       | 25269000     | 0.000771703 |
| chr3       | 25265001       | 25270000     | 0.000435954 |
| chr3       | 25266001       | 25271000     | 4.56E-05 |
| chr3       | 25289001       | 25294000     | 5.29E-06 |
| chr3       | 25328001       | 25333000     | 0.001339887 |
| chr3       | 25407001       | 25412000     | 0.014217824 |
| chr3       | 25704001       | 25709000     | 2.11E-32 |
| chr3       | 25705001       | 25710000     | 1.25E-35 |
| chr3       | 25706001       | 25711000     | 7.09E-39 |
| chr3       | 25932001       | 25937000     | 4.10E-06 |
| chr3       | 25933001       | 25938000     | 0.000149546 |
| chr3       | 25956001       | 25961000     | 3.24E-08 |
| chr3       | 25957001       | 25962000     | 2.82E-08 |
| chr3       | 25958001       | 25963000     | 1.15E-07 |
| chr3       | 25959001       | 25964000     | 1.13E-08 |
| chr3       | 25967001       | 25972000     | 8.47E-06 |
| chr3       | 25968001       | 25973000     | 0.000108167 |
| chr3       | 26024001       | 26029000     | 0.008648337 |
| chr3       | 26038001       | 26043000     | 4.53E-10 |
| chr3       | 26040001       | 26045000     | 1.87E-05 |
| chr3       | 26100001       | 26105000     | 0.002111307 |
| chr3       | 26101001       | 26106000     | 0.00014284 |
| chr3       | 26146001       | 26151000     | 0.011108837 |
| chr3       | 26148001       | 26153000     | 0.001064425 |
| chr3       | 26149001       | 26154000     | 0.003200909 |
| chr3       | 26161001       | 26166000     | 0.000509058 |
| chr3       | 26168001       | 26173000     | 1.32E-12 |
| chr3       | 26176001       | 26181000     | 0.000156137 |
| chr3       | 26177001       | 26182000     | 2.73E-05 |
| chr3       | 26178001       | 26183000     | 4.14E-05 |
| chr3       | 26241001       | 26246000     | 0.024973524 |
| chr3       | 26258001       | 26263000     | 1.90E-05 |
| chr3       | 26259001       | 26264000     | 5.29E-18 |
| chr3       | 26260001       | 26265000     | 2.95E-17 |
| chr3       | 26261001       | 26266000     | 2.32E-06 |
| chr3       | 26475001       | 26480000     | 3.28E-06 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr3       | 26500001 | 26505000 | 0.000306898 |
| chr3       | 26501001 | 26506000 | 5.01E-06   |
| chr3       | 26518001 | 26523000 | 0.0002181  |
| chr3       | 26519001 | 26524000 | 0.000386032|
| chr3       | 26526001 | 26531000 | 0.000846539|
| chr3       | 26527001 | 26532000 | 0.001491418|
| chr3       | 26530001 | 26535000 | 0.00175862 |
| chr3       | 26570001 | 26575000 | 1.27E-07   |
| chr3       | 26611001 | 26616000 | 0.000427811|
| chr3       | 26612001 | 26617000 | 0.000197594|
| chr3       | 26614001 | 26619000 | 0.000236795|
| chr3       | 26628001 | 26633000 | 6.02E-05   |
| chr3       | 26629001 | 26634000 | 9.74E-07   |
| chr3       | 26720001 | 26725000 | 5.05E-06   |
| chr3       | 26721001 | 26726000 | 8.04E-09   |
| chr3       | 26722001 | 26727000 | 6.62E-07   |
| chr3       | 26723001 | 26728000 | 1.93E-07   |
| chr3       | 26753001 | 26758000 | 0.010829597|
| chr3       | 26755001 | 26760000 | 0.006162217|
| chr3       | 26756001 | 26761000 | 0.000251191|
| chr3       | 26757001 | 26762000 | 0.00728453 |
| chr3       | 26758001 | 26763000 | 0.000668449|
| chr3       | 26759001 | 26764000 | 0.000228052|
| chr3       | 26822001 | 26827000 | 2.57E-07   |
| chr3       | 26823001 | 26828000 | 5.16E-10   |
| chr3       | 26824001 | 26829000 | 2.32E-12   |
| chr3       | 26825001 | 26830000 | 2.78E-11   |
| chr3       | 26826001 | 26831000 | 0.0001591  |
| chr3       | 26831001 | 26836000 | 5.30E-06   |
| chr3       | 26832001 | 26837000 | 0.000150716|
| chr3       | 26835001 | 26840000 | 0.000174869|
| chr3       | 26893001 | 26898000 | 0.002011134|
| chr3       | 26894001 | 26899000 | 0.000201992|
| chr3       | 26918001 | 26923000 | 1.08E-05   |
| chr3       | 27001001 | 27006000 | 2.55E-05   |
| chr3       | 27010001 | 27015000 | 0.000127346|
| chr3       | 27011001 | 27016000 | 0.000489907|
| chr3       | 27012001 | 27017000 | 0.000572625|
| chr3       | 27033001 | 27038000 | 2.25E-12   |
| chr3       | 27034001 | 27039000 | 3.23E-09   |
| chr3       | 27048001 | 27053000 | 3.65E-07   |
| chr3       | 27049001 | 27054000 | 1.95E-08   |
| chr3       | 27050001 | 27055000 | 2.89E-05   |
| chr3       | 27081001 | 27086000 | 0.000143684|
| chr3       | 27223001 | 27228000 | 0.019630629|
| chr3       | 27269001 | 27274000 | 2.86E-05   |
| chr3       | 27406001 | 27411000 | 8.84E-18   |
| chr3       | 27407001 | 27412000 | 5.07E-25   |
| chromosome | start | end   | p-value   |
|------------|-------|-------|-----------|
| chr3       | 27408001 | 27413000 | 3.79E-31  |
| chr3       | 27409001 | 27414000 | 2.02E-24  |
| chr3       | 27410001 | 27415000 | 1.52E-11  |
| chr3       | 27521001 | 27526000 | 1.06E-25  |
| chr3       | 27522001 | 27527000 | 2.96E-22  |
| chr3       | 27523001 | 27528000 | 6.39E-16  |
| chr3       | 27670001 | 27675000 | 1.02E-28  |
| chr3       | 27671001 | 27676000 | 6.85E-18  |
| chr3       | 27672001 | 27677000 | 1.21E-19  |
| chr3       | 27673001 | 27678000 | 1.43E-15  |
| chr3       | 27674001 | 27679000 | 7.20E-18  |
| chr3       | 27749001 | 27754000 | 2.74E-09  |
| chr3       | 27759001 | 27764000 | 2.62E-09  |
| chr3       | 27899001 | 27904000 | 0.000556379 |
| chr3       | 27900001 | 27905000 | 1.08E-05  |
| chr3       | 27901001 | 27906000 | 3.62E-06  |
| chr3       | 27902001 | 27907000 | 1.74E-08  |
| chr3       | 27903001 | 27908000 | 4.40E-06  |
| chr3       | 27904001 | 27909000 | 4.10E-05  |
| chr3       | 27908001 | 27913000 | 0.002045785 |
| chr3       | 27974001 | 27979000 | 0.000845574 |
| chr3       | 28001001 | 28006000 | 0.002358363 |
| chr3       | 28028001 | 28033000 | 0.012073457 |
| chr3       | 28033001 | 28038000 | 0.003368296 |
| chr3       | 28051001 | 28056000 | 0.000753368 |
| chr3       | 28070001 | 28075000 | 0.000441659 |
| chr3       | 28074001 | 28079000 | 0.006404273 |
| chr3       | 28128001 | 28133000 | 0.010022285 |
| chr3       | 28147001 | 28152000 | 0.000940108 |
| chr3       | 28278001 | 28283000 | 1.29E-13  |
| chr3       | 28279001 | 28284000 | 9.56E-28  |
| chr3       | 28280001 | 28285000 | 2.21E-26  |
| chr3       | 28281001 | 28286000 | 2.53E-24  |
| chr3       | 28283001 | 28288000 | 1.22E-18  |
| chr3       | 28385001 | 28390000 | 0.000599102 |
| chr3       | 28390001 | 28394000 | 2.70E-39  |
| chr3       | 28390000 | 28395000 | 3.94E-41  |
| chr3       | 28480001 | 28485000 | 0.000107875 |
| chr3       | 28481001 | 28486000 | 8.92E-05  |
| chr3       | 28574001 | 28579000 | 0.000108438 |
| chr3       | 28575001 | 28580000 | 8.59E-05  |
| chr3       | 28605001 | 28610000 | 0.000464572 |
| chr3       | 28606001 | 28611000 | 2.03E-06  |
| chr3       | 28680001 | 28685000 | 0.000488446 |
| chr3       | 28681001 | 28686000 | 0.00034581 |
| chr3       | 28700001 | 28705000 | 0.034070449 |
| chr3       | 28732001 | 28737000 | 0.000193367 |
| chr3       | 28733001 | 28738000 | 0.000174647 |
| Chromosome | Start Position | End Position | Log10(P-Value) |
|------------|----------------|--------------|----------------|
| chr3       | 28741001       | 28746000     | -4.55          |
| chr3       | 28742001       | 28747000     | -3.93          |
| chr3       | 28769001       | 28774000     | -2.59          |
| chr3       | 28869001       | 28874000     | -2.20          |
| chr3       | 28870001       | 28875000     | -2.89          |
| chr3       | 28914001       | 28919000     | -2.71          |
| chr3       | 28973001       | 28978000     | -1.25          |
| chr3       | 29009001       | 29014000     | -2.26          |
| chr3       | 29078001       | 29083000     | -1.93          |
| chr3       | 29326001       | 29331000     | -2.93          |
| chr3       | 29327001       | 29332000     | -1.93          |
| chr3       | 29673001       | 29678000     | -1.89          |
| chr3       | 29674001       | 29679000     | -2.68          |
| chr3       | 29675001       | 29680000     | -2.59          |
| chr3       | 29676001       | 29681000     | -2.59          |
| chr3       | 29677001       | 29682000     | -2.89          |
| chr3       | 29828001       | 29833000     | -1.67          |
| chr3       | 29902001       | 29907000     | -2.12          |
| chr3       | 30406001       | 30411000     | -1.99          |
| chr3       | 30598001       | 30603000     | -2.59          |
| chr3       | 30654001       | 30659000     | -2.59          |
| chr3       | 30856001       | 30861000     | -2.59          |
| chr3       | 30857001       | 30862000     | -2.12          |
| chr3       | 30908001       | 30913000     | -2.12          |
| chr3       | 30932001       | 30937000     | -2.12          |
| chr3       | 30933001       | 30938000     | -2.12          |
| chr3       | 30934001       | 30939000     | -2.12          |
| chr3       | 30935001       | 30940000     | -2.12          |
| chr3       | 30936001       | 30941000     | -2.12          |
| chr3       | 31131001       | 31136000     | -2.12          |
| chr3       | 31569001       | 31574000     | -2.12          |
| chr3       | 32017001       | 32022000     | -2.12          |
| chr3       | 32018001       | 32023000     | -2.12          |
| chr3       | 32019001       | 32024000     | -2.12          |
| chr3       | 32020001       | 32025000     | -2.12          |
| chr3       | 32021001       | 32026000     | -2.12          |
| chr3       | 32022001       | 32027000     | -2.12          |
| chr3       | 32023001       | 32028000     | -2.12          |
| chr3       | 32275001       | 32280000     | -2.12          |
| chr3       | 32276001       | 32281000     | -2.12          |
| chr3       | 32277001       | 32282000     | -2.12          |
| chr3       | 32279001       | 32284000     | -2.12          |
| chr3       | 32280001       | 32285000     | -2.12          |
| chr3       | 32439001       | 32444000     | -2.12          |
| chr3       | 32440001       | 32445000     | -2.12          |
| chr3       | 32459001       | 32464000     | -2.12          |
| chr3       | 32515001       | 32520000     | -2.12          |
| Gene | Start Position | End Position | Description |
|------|----------------|--------------|-------------|
| chr3 | 34545001       | 34550000     | 0.001258061 |
| chr3 | 34627001       | 34632000     | 0.000505461 |
| chr3 | 34628001       | 34633000     | 0.000176874 |
| chr3 | 34629001       | 34634000     | 9.90E-07    |
| chr3 | 34630001       | 34635000     | 0.00093231  |
| chr3 | 34731001       | 34736000     | 1.21E-10    |
| chr3 | 34740001       | 34745000     | 0.001366546 |
| chr3 | 34741001       | 34746000     | 0.001366546 |
| chr3 | 34750001       | 34755000     | 1.57E-07    |
| chr3 | 34788001       | 34793000     | 0.010740014 |
| chr3 | 34789001       | 34794000     | 0.002008744 |
| chr3 | 34790001       | 34795000     | 0.000300551 |
| chr3 | 34791001       | 34796000     | 0.00105999  |
| chr3 | 34792001       | 34797000     | 0.00155335  |
| chr3 | 34808001       | 34813000     | 6.04E-05    |
| chr3 | 34809001       | 34814000     | 5.95E-05    |
| chr3 | 34844001       | 34849000     | 0.009311486 |
| chr3 | 34870001       | 34875000     | 0.03176668  |
| chr3 | 34871001       | 34876000     | 0.002038882 |
| chr3 | 34872001       | 34877000     | 9.17E-06    |
| chr3 | 34893001       | 34898000     | 0.01246959  |
| chr3 | 34914001       | 34919000     | 0.014844369 |
| chr3 | 35003001       | 35008000     | 0.014417247 |
| chr3 | 35004001       | 35009000     | 0.027433551 |
| chr3 | 35083001       | 35088000     | 0.008056839 |
| chr3 | 35084001       | 35089000     | 0.008056839 |
| chr3 | 35085001       | 35090000     | 0.005389673 |
| chr3 | 35334001       | 35339000     | 0.000256841 |
| chr3 | 35365001       | 35370000     | 0.019445838 |
| chr3 | 35428001       | 35433000     | 0.000321466 |
| chr3 | 35436001       | 35441000     | 0.012759249 |
| chr3 | 35480001       | 35485000     | 0.15E-09    |
| chr3 | 35499001       | 35504000     | 2.14E-05    |
| chr3 | 35500001       | 35505000     | 0.000574727 |
| chr3 | 35537001       | 35542000     | 0.006155757 |
| chr3 | 35559001       | 35564000     | 0.021009212 |
| chr3 | 35614001       | 35619000     | 0.000451082 |
| chr3 | 35615001       | 35620000     | 0.00015883  |
| chr3 | 35616001       | 35621000     | 0.000948184 |
| chr3 | 35617001       | 35622000     | 2.50E-05    |
| chr3 | 35625001       | 35630000     | 0.000235568 |
| chr3 | 35626001       | 35631000     | 0.000308121 |
| chr3 | 35627001       | 35632000     | 0.015612742 |
| chr3 | 35628001       | 35633000     | 0.018469734 |
| chr3 | 35896001       | 35901000     | 2.54E-13    |
| chr3 | 35897001       | 35902000     | 2.36E-09    |
| chr3 | 36138001       | 36143000     | 0.003036656 |
| chr3 | 36139001       | 36144000     | 0.016180425 |
| Chr | Start  | End    | p-value    |
|-----|--------|--------|------------|
| chr3 | 36194001 | 36199000 | 0.000679233 |
| chr3 | 36195001 | 36200000 | 0.000938019 |
| chr3 | 36196001 | 36210000 | 0.000747079 |
| chr3 | 36207001 | 36212000 | 3.19E-05   |
| chr3 | 36208001 | 36213000 | 1.37E-06   |
| chr3 | 36209001 | 36214000 | 0.023748726 |
| chr3 | 36264001 | 36269000 | 9.24E-05   |
| chr3 | 36417001 | 36422000 | 1.79E-10   |
| chr3 | 36418001 | 36423000 | 7.38E-32   |
| chr3 | 36419001 | 36424000 | 9.62E-26   |
| chr3 | 36420001 | 36425000 | 1.96E-21   |
| chr3 | 36421001 | 36426000 | 7.62E-19   |
| chr3 | 36422001 | 36427000 | 7.95E-17   |
| chr3 | 36436001 | 36441000 | 0.019788225 |
| chr3 | 36601001 | 36606000 | 0.001530269 |
| chr3 | 36625001 | 36630000 | 0.014696885 |
| chr3 | 36626001 | 36631000 | 0.018385359 |
| chr3 | 36837001 | 36842000 | 1.46E-07   |
| chr3 | 36838001 | 36843000 | 8.77E-09   |
| chr3 | 36839001 | 36844000 | 3.02E-11   |
| chr3 | 36982001 | 36987000 | 1.70E-14   |
| chr3 | 36983001 | 36988000 | 3.43E-24   |
| chr3 | 36984001 | 36989000 | 3.27E-25   |
| chr3 | 36985001 | 36990000 | 6.41E-27   |
| chr3 | 36986001 | 36991000 | 9.25E-33   |
| chr3 | 37035001 | 37040000 | 1.47E-12   |
| chr3 | 37217001 | 37222000 | 2.55E-18   |
| chr3 | 37280001 | 37285000 | 1.55E-44   |
| chr3 | 37281001 | 37286000 | 1.99E-33   |
| chr3 | 37282001 | 37287000 | 2.13E-27   |
| chr3 | 37284001 | 37289000 | 8.28E-16   |
| chr3 | 37285001 | 37290000 | 2.47E-10   |
| chr3 | 37626001 | 37631000 | 2.62E-06   |
| chr3 | 37627001 | 37632000 | 1.03E-07   |
| chr3 | 37628001 | 37633000 | 5.00E-08   |
| chr3 | 37652001 | 37657000 | 3.33E-11   |
| chr3 | 37653001 | 37658000 | 7.91E-14   |
| chr3 | 37654001 | 37659000 | 3.45E-13   |
| chr3 | 37693001 | 37698000 | 1.95E-06   |
| chr3 | 37720001 | 37725000 | 6.69E-11   |
| chr3 | 37721001 | 37726000 | 2.69E-07   |
| chr3 | 37722001 | 37727000 | 1.16E-10   |
| chr3 | 37723001 | 37728000 | 5.23E-11   |
| chr3 | 37724001 | 37729000 | 6.78E-13   |
| chr3 | 37725001 | 37730000 | 3.13E-09   |
| chr3 | 37726001 | 37731000 | 3.62E-08   |
| chr3 | 37727001 | 37732000 | 9.75E-06   |
| chr3 | 37728001 | 37733000 | 3.85E-05   |
| Chromosome | Start | End   | Value       |
|------------|-------|-------|-------------|
| chr3       | 37792001 | 37797000 | 9.62E-05    |
| chr3       | 37793001 | 37798000 | 2.89E-05    |
| chr3       | 37794001 | 37799000 | 0.000101524 |
| chr3       | 37898001 | 37903000 | 4.39E-13     |
| chr3       | 37899001 | 37904000 | 4.12E-10     |
| chr3       | 38062001 | 38067000 | 5.14E-09     |
| chr3       | 38066001 | 38071000 | 5.95E-06     |
| chr3       | 38067001 | 38072000 | 4.33E-05     |
| chr3       | 38086001 | 38083000 | 4.34E-07     |
| chr3       | 38076001 | 38081000 | 3.04E-09     |
| chr3       | 38174001 | 38179000 | 4.15E-27     |
| chr3       | 38202001 | 38207000 | 2.93E-42     |
| chr3       | 38207001 | 38212000 | 9.01E-29     |
| chr3       | 38385001 | 38390000 | 1.25E-18     |
| chr3       | 38386001 | 38391000 | 8.67E-24     |
| chr3       | 38387001 | 38392000 | 1.22E-32     |
| chr3       | 38388001 | 38393000 | 1.96E-39     |
| chr3       | 38491001 | 38496000 | 2.47E-09     |
| chr3       | 38492001 | 38497000 | 1.50E-10     |
| chr3       | 38496001 | 38501000 | 2.95E-07     |
| chr3       | 38533001 | 38538000 | 1.81E-22     |
| chr3       | 38699001 | 38704000 | 0.004006299  |
| chr3       | 38709001 | 38714000 | 8.57E-05     |
| chr3       | 38710001 | 38715000 | 6.17E-06     |
| chr3       | 38711001 | 38716000 | 8.74E-06     |
| chr3       | 38712001 | 38717000 | 5.18E-06     |
| chr3       | 38713001 | 38718000 | 2.68E-08     |
| chr3       | 38714001 | 38719000 | 1.37E-08     |
| chr3       | 38715001 | 38720000 | 9.93E-07     |
| chr3       | 38716001 | 38721000 | 3.38E-08     |
| chr3       | 38717001 | 38722000 | 6.75E-07     |
| chr3       | 38893001 | 38898000 | 3.28E-07     |
| chr3       | 38899001 | 38904000 | 1.17E-05     |
| chr3       | 38900001 | 38905000 | 0.000183988  |
| chr3       | 38907001 | 38912000 | 0.000146079  |
| chr3       | 38924001 | 38929000 | 5.18E-06     |
| chr3       | 38925001 | 38930000 | 2.76E-06     |
| chr3       | 39089001 | 39094000 | 5.13E-15     |
| chr3       | 39144001 | 39149000 | 1.12E-19     |
| chr3       | 39145001 | 39150000 | 2.15E-26     |
| chr3       | 39146001 | 39151000 | 8.01E-34     |
| chr3       | 39147001 | 39152000 | 2.02E-37     |
| chr3       | 39148001 | 39153000 | 1.30E-14     |
| chr3       | 39149001 | 39154000 | 3.78E-08     |
| chr3       | 39195001 | 39200000 | 1.26E-08     |
| chr3       | 39218001 | 39223000 | 2.74E-23     |
| chr3       | 39219001 | 39224000 | 1.10E-28     |
| chr3       | 39220001 | 39225000 | 5.47E-21     |
| Chromosome | Start Base | End Base | P-Value |
|------------|------------|----------|---------|
| chr3       | 39221001   | 39226000 | 2.09E-13|
| chr3       | 39222001   | 39227000 | 1.35E-08|
| chr3       | 39448001   | 39453000 | 3.56E-08|
| chr3       | 39507001   | 39512000 | 5.25E-06|
| chr3       | 39529001   | 39534000 | 6.17E-05|
| chr3       | 39560001   | 39565000 | 0.000953409|
| chr3       | 39604001   | 39609000 | 0.001474817|
| chr3       | 39605001   | 39610000 | 2.15E-05|
| chr3       | 39630001   | 39635000 | 0.001300245|
| chr3       | 39716001   | 39721000 | 0.00032739|
| chr3       | 39717001   | 39722000 | 4.39E-06|
| chr3       | 39718001   | 39723000 | 3.48E-06|
| chr3       | 39756001   | 39761000 | 0.001342148|
| chr3       | 39782001   | 39787000 | 7.89E-06|
| chr3       | 39790001   | 39795000 | 0.002055344|
| chr3       | 39903001   | 39908000 | 0.004449455|
| chr3       | 39904001   | 39909000 | 0.007259129|
| chr3       | 39905001   | 39910000 | 0.001193089|
| chr3       | 39985001   | 39990000 | 1.82E-05|
| chr3       | 39986001   | 39991000 | 0.000947624|
| chr3       | 39987001   | 39992000 | 0.000947624|
| chr3       | 39988001   | 39993000 | 5.75E-05|
| chr3       | 39989001   | 39994000 | 4.54E-05|
| chr3       | 40042001   | 40047000 | 0.009611025|
| chr3       | 40075001   | 40080000 | 0.000402193|
| chr3       | 40209001   | 40214000 | 1.36E-05|
| chr3       | 40210001   | 40215000 | 0.000108392|
| chr3       | 40311001   | 40316000 | 1.30E-06|
| chr3       | 40346001   | 40351000 | 1.32E-20|
| chr3       | 40347001   | 40352000 | 9.69E-26|
| chr3       | 40348001   | 40353000 | 1.24E-28|
| chr3       | 40349001   | 40354000 | 7.28E-28|
| chr3       | 40350001   | 40355000 | 2.32E-27|
| chr3       | 40351001   | 40356000 | 1.53E-22|
| chr3       | 40403001   | 40408000 | 0.001756239|
| chr3       | 40424001   | 40429000 | 5.36E-05|
| chr3       | 40426001   | 40431000 | 0.001599684|
| chr3       | 40490001   | 40495000 | 1.12E-32|
| chr3       | 40491001   | 40496000 | 6.29E-18|
| chr3       | 40492001   | 40497000 | 3.81E-19|
| chr3       | 40493001   | 40498000 | 8.36E-19|
| chr3       | 40494001   | 40499000 | 3.83E-17|
| chr3       | 40495001   | 40500000 | 1.80E-11|
| chr3       | 40496001   | 40501000 | 7.74E-19|
| chr3       | 40497001   | 40502000 | 8.28E-18|
| chr3       | 40498001   | 40503000 | 1.00E-13|
| chr3       | 40499001   | 40504000 | 8.07E-09|
| chr3       | 40516001   | 40521000 | 2.31E-12|
| Chromosome | Start Position | End Position | P-Value |
|------------|---------------|-------------|---------|
| chr3       | 40517001      | 40522000    | 1.89E-11 |
| chr3       | 40518001      | 40523000    | 3.32E-14 |
| chr3       | 40544001      | 40549000    | 1.61E-13 |
| chr3       | 40545001      | 40550000    | 5.64E-20 |
| chr3       | 40546001      | 40551000    | 3.84E-16 |
| chr3       | 40547001      | 40552000    | 1.44E-17 |
| chr3       | 40562001      | 40567000    | 8.68E-19 |
| chr3       | 40563001      | 40568000    | 8.47E-26 |
| chr3       | 40564001      | 40569000    | 8.56E-18 |
| chr3       | 40565001      | 40570000    | 4.60E-22 |
| chr3       | 40566001      | 40571000    | 1.35E-18 |
| chr3       | 40636001      | 40641000    | 1.62E-05 |
| chr3       | 40897001      | 40902000    | 1.31E-06 |
| chr3       | 40898001      | 40903000    | 1.19E-05 |
| chr3       | 41225001      | 41230000    | 0.00380809 |
| chr3       | 41236001      | 41241000    | 1.16E-51 |
| chr3       | 41237001      | 41242000    | 3.05E-48 |
| chr3       | 41259001      | 41264000    | 0.00440977 |
| chr3       | 41260001      | 41265000    | 0.002175233 |
| chr3       | 41261001      | 41266000    | 0.006104105 |
| chr3       | 41578001      | 41583000    | 0.000164998 |
| chr3       | 41808001      | 41813000    | 0.000354983 |
| chr3       | 41999001      | 42004000    | 5.37E-19 |
| chr3       | 42000001      | 42005000    | 4.81E-16 |
| chr3       | 42001001      | 42006000    | 3.78E-16 |
| chr3       | 42003001      | 42008000    | 3.60E-08 |
| chr3       | 42050001      | 42055000    | 4.74E-08 |
| chr3       | 42051001      | 42056000    | 1.55E-10 |
| chr3       | 42053001      | 42058000    | 5.07E-10 |
| chr3       | 42054001      | 42059000    | 4.00E-19 |
| chr3       | 42055001      | 42060000    | 5.96E-17 |
| chr3       | 42503001      | 42508000    | 0.001393799 |
| chr3       | 42619001      | 42624000    | 1.46E-32 |
| chr3       | 42620001      | 42625000    | 3.03E-23 |
| chr3       | 42621001      | 42626000    | 4.55E-13 |
| chr3       | 42622001      | 42627000    | 3.51E-22 |
| chr3       | 42623001      | 42628000    | 7.74E-23 |
| chr3       | 42630001      | 42635000    | 3.77E-19 |
| chr3       | 42631001      | 42636000    | 2.01E-26 |
| chr3       | 42632001      | 42637000    | 8.07E-29 |
| chr3       | 42637001      | 42642000    | 2.72E-15 |
| chr3       | 42638001      | 42643000    | 3.49E-37 |
| chr3       | 42639001      | 42644000    | 3.42E-41 |
| chr3       | 42640001      | 42645000    | 6.91E-43 |
| chr3       | 42642001      | 42647000    | 8.28E-23 |
| chr3       | 42810001      | 42815000    | 1.14E-13 |
| chr3       | 42813001      | 42818000    | 6.44E-12 |
| chr3       | 42814001      | 42819000    | 7.29E-15 |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr3       | 42841001       | 42846000     | 3.20E-15       |
| chr3       | 42842001       | 42847000     | 3.72E-18       |
| chr3       | 42843001       | 42848000     | 2.31E-29       |
| chr3       | 42844001       | 42849000     | 6.16E-39       |
| chr3       | 42845001       | 42850000     | 1.22E-39       |
| chr3       | 42846001       | 42851000     | 1.72E-25       |
| chr3       | 42895001       | 42900000     | 6.43E-08       |
| chr3       | 42896001       | 42901000     | 3.89E-09       |
| chr3       | 42918001       | 42923000     | 2.36E-13       |
| chr3       | 42919001       | 42924000     | 1.21E-11       |
| chr3       | 42920001       | 42925000     | 1.10E-11       |
| chr3       | 42922001       | 42927000     | 1.90E-12       |
| chr3       | 42942001       | 42947000     | 6.38E-11       |
| chr3       | 42943001       | 42948000     | 2.62E-22       |
| chr3       | 42944001       | 42949000     | 8.04E-16       |
| chr3       | 42945001       | 42950000     | 2.99E-13       |
| chr3       | 42946001       | 42951000     | 8.80E-17       |
| chr3       | 43189001       | 43194000     | 1.92E-05       |
| chr3       | 43558001       | 43563000     | 4.05E-05       |
| chr3       | 43712001       | 43717000     | 0.001331123    |
| chr3       | 43728001       | 43733000     | 3.73E-26       |
| chr3       | 43875001       | 43880000     | 0.004686202    |
| chr3       | 44032001       | 44037000     | 7.15E-23       |
| chr3       | 44033001       | 44038000     | 5.28E-22       |
| chr3       | 44034001       | 44039000     | 1.30E-19       |
| chr3       | 44191001       | 44196000     | 6.33E-06       |
| chr3       | 44316001       | 44321000     | 0.005380755    |
| chr3       | 44359001       | 44364000     | 0.00026105     |
| chr3       | 44360001       | 44365000     | 2.03E-05       |
| chr3       | 44624001       | 44629000     | 1.02E-09       |
| chr3       | 44662001       | 44667000     | 2.29E-12       |
| chr3       | 44663001       | 44668000     | 1.94E-11       |
| chr3       | 44665001       | 44670000     | 5.64E-16       |
| chr3       | 44666001       | 44671000     | 4.97E-10       |
| chr3       | 44686001       | 44691000     | 4.57E-24       |
| chr3       | 44687001       | 44692000     | 7.02E-25       |
| chr3       | 44688001       | 44693000     | 4.88E-25       |
| chr3       | 44689001       | 44694000     | 1.17E-18       |
| chr3       | 44690001       | 44695000     | 1.34E-20       |
| chr3       | 44732001       | 44737000     | 3.15E-07       |
| chr3       | 44733001       | 44738000     | 9.71E-10       |
| chr3       | 44734001       | 44739000     | 8.63E-10       |
| chr3       | 44750001       | 44755000     | 6.62E-12       |
| chr3       | 44899001       | 44904000     | 8.05E-14       |
| chr3       | 44900001       | 44905000     | 1.64E-12       |
| chr3       | 44901001       | 44906000     | 4.81E-17       |
| chr3       | 44902001       | 44907000     | 4.40E-16       |
| chr3       | 44903001       | 44908000     | 1.14E-09       |
| Chr  | Start | End   | P-value  |
|------|-------|-------|----------|
| chr3 | 45013001 | 45018000 | 2.96E-26 |
| chr3 | 45014001 | 45019000 | 1.44E-33 |
| chr3 | 45017001 | 45022000 | 4.85E-25 |
| chr3 | 45018001 | 45023000 | 4.35E-14 |
| chr3 | 45262001 | 45267000 | 1.88E-21 |
| chr3 | 45263001 | 45268000 | 6.88E-41 |
| chr3 | 45264001 | 45269000 | 8.79E-23 |
| chr3 | 45265001 | 45270000 | 4.35E-27 |
| chr3 | 45266001 | 45271000 | 1.53E-16 |
| chr3 | 45267001 | 45272000 | 2.03E-18 |
| chr3 | 45425001 | 45430000 | 1.88E-21 |
| chr3 | 45426001 | 45431000 | 4.05E-29 |
| chr3 | 45427001 | 45432000 | 4.99E-19 |
| chr3 | 45428001 | 45433000 | 9.59E-12 |
| chr3 | 45631001 | 45636000 | 5.53E-06 |
| chr3 | 45731001 | 45736000 | 3.10E-17 |
| chr3 | 45834001 | 45839000 | 1.40E-10 |
| chr3 | 45835001 | 45840000 | 5.29E-12 |
| chr3 | 45836001 | 45841000 | 2.59E-13 |
| chr3 | 45837001 | 45842000 | 8.70E-15 |
| chr3 | 45879001 | 45884000 | 1.06E-19 |
| chr3 | 45880001 | 45885000 | 3.69E-21 |
| chr3 | 45881001 | 45886000 | 2.65E-26 |
| chr3 | 45882001 | 45887000 | 7.05E-22 |
| chr3 | 45883001 | 45888000 | 1.84E-19 |
| chr3 | 46032001 | 46037000 | 1.54E-06 |
| chr3 | 46037001 | 46042000 | 1.90E-10 |
| chr3 | 46140001 | 46145000 | 0.002388761 |
| chr3 | 46225001 | 46230000 | 0.000180679 |
| chr3 | 46264001 | 46269000 | 1.96E-05 |
| chr3 | 46267001 | 46272000 | 0.001160051 |
| chr3 | 46276001 | 46281000 | 3.54E-06 |
| chr3 | 46294001 | 46299000 | 0.013698003 |
| chr3 | 46295001 | 46300000 | 0.000652574 |
| chr3 | 46296001 | 46301000 | 0.002802984 |
| chr3 | 46327001 | 46332000 | 0.000979015 |
| chr3 | 46328001 | 46333000 | 5.44E-06 |
| chr3 | 46330001 | 46335000 | 1.55E-07 |
| chr3 | 46375001 | 46380000 | 0.000281459 |
| chr3 | 46606001 | 46611000 | 1.66E-08 |
| chr3 | 46607001 | 46612000 | 3.95E-08 |
| chr3 | 46730001 | 46735000 | 1.35E-09 |
| chr3 | 46731001 | 46736000 | 5.43E-10 |
| chr3 | 46732001 | 46737000 | 9.52E-11 |
| chr3 | 46733001 | 46738000 | 0.000680366 |
| chr3 | 46742001 | 46747000 | 0.003283706 |
| chr3 | 46883001 | 46888000 | 5.31E-08 |
| chr3 | 46920001 | 46925000 | 2.23E-05 |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr3       | 47133001 | 47138000 | 5.14E-05 |
| chr3       | 47200001 | 47205000 | 2.81E-09 |
| chr3       | 47201001 | 47206000 | 6.68E-22 |
| chr3       | 47248001 | 47253000 | 8.97E-06 |
| chr3       | 47249001 | 47254000 | 1.85E-05 |
| chr3       | 47251001 | 47256000 | 0.000147884 |
| chr3       | 47252001 | 47257000 | 0.000691168 |
| chr3       | 47319001 | 47324000 | 6.21E-23 |
| chr3       | 47320001 | 47325000 | 3.24E-37 |
| chr3       | 47321001 | 47326000 | 4.15E-31 |
| chr3       | 47322001 | 47327000 | 9.35E-26 |
| chr3       | 47323001 | 47328000 | 8.03E-25 |
| chr3       | 47324001 | 47329000 | 5.48E-25 |
| chr3       | 47420001 | 47425000 | 5.43E-11 |
| chr3       | 47421001 | 47426000 | 1.25E-09 |
| chr3       | 47422001 | 47427000 | 4.94E-09 |
| chr3       | 47512001 | 47517000 | 1.16E-05 |
| chr3       | 47513001 | 47518000 | 1.87E-07 |
| chr3       | 47514001 | 47519000 | 3.10E-07 |
| chr3       | 47515001 | 47520000 | 4.95E-20 |
| chr3       | 47516001 | 47521000 | 8.40E-18 |
| chr3       | 47517001 | 47522000 | 5.96E-20 |
| chr3       | 47550001 | 47555000 | 6.12E-06 |
| chr3       | 47551001 | 47556000 | 1.11E-08 |
| chr3       | 47616001 | 47621000 | 1.06E-11 |
| chr3       | 47617001 | 47622000 | 1.38E-12 |
| chr3       | 47618001 | 47623000 | 1.84E-17 |
| chr3       | 47620001 | 47625000 | 1.13E-14 |
| chr3       | 47844001 | 47849000 | 2.17E-08 |
| chr3       | 47862001 | 47867000 | 7.67E-09 |
| chr3       | 47863001 | 47868000 | 2.69E-05 |
| chr3       | 48126001 | 48131000 | 1.07E-06 |
| chr3       | 48129001 | 48134000 | 0.000627803 |
| chr3       | 48130001 | 48135000 | 0.000376714 |
| chr3       | 48226001 | 48231000 | 1.84E-15 |
| chr3       | 48228001 | 48233000 | 6.01E-09 |
| chr3       | 48229001 | 48234000 | 9.04E-08 |
| chr3       | 48281001 | 48286000 | 2.81E-11 |
| chr3       | 48282001 | 48287000 | 6.73E-14 |
| chr3       | 48384001 | 48389000 | 5.05E-06 |
| chr3       | 48385001 | 48390000 | 1.57E-05 |
| chr3       | 48386001 | 48391000 | 0.001570368 |
| chr3       | 48477001 | 48482000 | 8.96E-14 |
| chr3       | 48483001 | 48488000 | 5.12E-12 |
| chr3       | 48484001 | 48489000 | 3.53E-32 |
| chr3       | 48485001 | 48490000 | 6.32E-25 |
| chr3       | 48486001 | 48491000 | 9.29E-23 |
| chr3       | 48487001 | 48492000 | 7.92E-24 |
| chr3 |   48488001 |   48493000 |   2.50E-09 |
| chr3 |   48590001 |   48595000 |   0.001138505 |
| chr3 |   48645001 |   48650000 |   7.03E-20 |
| chr3 |   48671001 |   48676000 |   1.97E-13 |
| chr3 |   48672001 |   48677000 |   1.20E-08 |
| chr3 |   48701001 |   48706000 |   1.08E-13 |
| chr3 |   48722001 |   48727000 |   6.31E-10 |
| chr3 |   48723001 |   48728000 |   2.99E-14 |
| chr3 |   48932001 |   48937000 |   1.39E-16 |
| chr3 |   48933001 |   48938000 |   3.79E-07 |
| chr3 |   49023001 |   49028000 |   4.23E-08 |
| chr3 |   49024001 |   49029000 |   1.48E-09 |
| chr3 |   49025001 |   49030000 |   9.59E-10 |
| chr3 |   49027001 |   49032000 |   2.60E-05 |
| chr3 |   49043001 |   49048000 |   5.39E-12 |
| chr3 |   49044001 |   49049000 |   1.70E-12 |
| chr3 |   49067001 |   49072000 |   6.74E-05 |
| chr3 |   49138001 |   49143000 |   1.28E-07 |
| chr3 |   49139001 |   49144000 |   0.00201339 |
| chr3 |   49140001 |   49145000 |   0.000307683 |
| chr3 |   49393001 |   49398000 |   3.19E-19 |
| chr3 |   49394001 |   49399000 |   8.57E-24 |
| chr3 |   49395001 |   49400000 |   1.42E-24 |
| chr3 |   49396001 |   49401000 |   8.61E-08 |
| chr3 |   49573001 |   49578000 |   1.15E-09 |
| chr3 |   49574001 |   49579000 |   1.90E-09 |
| chr3 |   49941001 |   49946000 |   0.000629668 |
| chr3 |   50123001 |   50128000 |   1.02E-05 |
| chr3 |   50124001 |   50129000 |   1.04E-06 |
| chr3 |   50126001 |   50131000 |   8.92E-25 |
| chr3 |   50127001 |   50132000 |   1.83E-09 |
| chr3 |   50188001 |   50193000 |   2.18E-26 |
| chr3 |   50189001 |   50194000 |   1.33E-22 |
| chr3 |   50190001 |   50195000 |   9.39E-19 |
| chr3 |   50327001 |   50332000 |   4.48E-05 |
| chr3 |   50328001 |   50333000 |   8.75E-07 |
| chr3 |   50329001 |   50334000 |   6.13E-07 |
| chr3 |   50361001 |   50366000 |   9.19E-06 |
| chr3 |   50364001 |   50369000 |   4.01E-10 |
| chr3 |   50365001 |   50370000 |   7.21E-06 |
| chr3 |   50395001 |   50400000 |   4.29E-09 |
| chr3 |   50396001 |   50401000 |   9.14E-17 |
| chr3 |   50601001 |   50606000 |   2.14E-09 |
| chr3 |   50602001 |   50607000 |   1.40E-15 |
| chr3 |   50711001 |   50716000 |   2.24E-15 |
| chr3 |   50712001 |   50717000 |   2.54E-22 |
| chr3 |   50803001 |   50808000 |   1.41E-06 |
| chr3 |   50877001 |   50882000 |   0.01017596 |
| Chromosome | Start Position | End Position | P-Value       |
|------------|----------------|-------------|---------------|
| chr3       | 51014001       | 51019000    | 6.68E-19      |
| chr3       | 51184001       | 51189000    | 5.64E-06      |
| chr3       | 51218001       | 51223000    | 0.01145541    |
| chr3       | 51418001       | 51423000    | 0.004645673   |
| chr3       | 51422001       | 51427000    | 1.44E-06      |
| chr3       | 51424001       | 51429000    | 6.81E-07      |
| chr3       | 51573001       | 51578000    | 4.59E-07      |
| chr3       | 51815001       | 51820000    | 0.003494144   |
| chr3       | 51998001       | 52003000    | 0.000269002   |
| chr3       | 51999001       | 52004000    | 4.48E-07      |
| chr3       | 52000001       | 52005000    | 1.57E-09      |
| chr3       | 52025001       | 52030000    | 2.58E-10      |
| chr3       | 52027001       | 52032000    | 2.66E-23      |
| chr3       | 52028001       | 52033000    | 2.28E-16      |
| chr3       | 52029001       | 52034000    | 7.06E-16      |
| chr3       | 52184001       | 52189000    | 1.72E-14      |
| chr3       | 52185001       | 52190000    | 8.97E-15      |
| chr3       | 52188001       | 52193000    | 6.11E-19      |
| chr3       | 52231001       | 52236000    | 4.39E-11      |
| chr3       | 52232001       | 52237000    | 1.85E-15      |
| chr3       | 52273001       | 52278000    | 1.76E-05      |
| chr3       | 52318001       | 52323000    | 5.42E-10      |
| chr3       | 52319001       | 52324000    | 6.76E-12      |
| chr3       | 52443001       | 52448000    | 4.74E-25      |
| chr3       | 52444001       | 52449000    | 3.26E-27      |
| chr3       | 52488001       | 52493000    | 4.13E-13      |
| chr3       | 52489001       | 52494000    | 1.22E-11      |
| chr3       | 52570001       | 52575000    | 3.18E-12      |
| chr3       | 52720001       | 52725000    | 1.15E-09      |
| chr3       | 52929001       | 52934000    | 9.67E-10      |
| chr3       | 52930001       | 52935000    | 1.16E-12      |
| chr3       | 52931001       | 52936000    | 3.29E-11      |
| chr3       | 53074001       | 53079000    | 1.05E-06      |
| chr3       | 53075001       | 53080000    | 6.40E-31      |
| chr3       | 53076001       | 53081000    | 2.00E-24      |
| chr3       | 53077001       | 53082000    | 1.77E-22      |
| chr3       | 53078001       | 53083000    | 9.22E-14      |
| chr3       | 53079001       | 53084000    | 4.69E-15      |
| chr3       | 53080001       | 53085000    | 1.63E-06      |
| chr3       | 53377001       | 53382000    | 2.36E-49      |
| chr3       | 53378001       | 53383000    | 1.86E-30      |
| chr3       | 53379001       | 53384000    | 3.81E-38      |
| chr3       | 53380001       | 53385000    | 1.22E-35      |
| chr3       | 53381001       | 53386000    | 1.54E-43      |
| chr3       | 53488001       | 53493000    | 0.00033303     |
| chr3       | 53489001       | 53494000    | 0.000309876    |
| chr3       | 53665001       | 53670000    | 1.44E-08      |
| Chr | Start | End | Score  |
|-----|-------|-----|--------|
| chr3 | 53666001 | 53670000 | 7.00E-10 |
| chr3 | 53667001 | 53672000 | 4.29E-08 |
| chr3 | 53668001 | 53673000 | 1.24E-08 |
| chr3 | 53877001 | 53882000 | 3.86E-08 |
| chr3 | 53878001 | 53883000 | 2.90E-13 |
| chr3 | 53879001 | 53884000 | 2.28E-17 |
| chr3 | 53880001 | 53885000 | 7.30E-17 |
| chr3 | 53911001 | 53916000 | 5.08E-18 |
| chr3 | 53912001 | 53917000 | 1.30E-47 |
| chr3 | 53913001 | 53918000 | 8.07E-37 |
| chr3 | 53914001 | 53919000 | 5.77E-47 |
| chr3 | 53915001 | 53920000 | 2.20E-49 |
| chr3 | 53916001 | 53921000 | 2.23E-49 |
| chr3 | 54005001 | 54010000 | 2.21E-05 |
| chr3 | 54268001 | 54273000 | 5.33E-05 |
| chr3 | 54269001 | 54274000 | 4.35E-05 |
| chr3 | 54373001 | 54378000 | 2.19E-08 |
| chr3 | 54374001 | 54379000 | 9.91E-07 |
| chr3 | 54414001 | 54419000 | 1.39E-10 |
| chr3 | 54420001 | 54425000 | 0.000168506 |
| chr3 | 54467001 | 54472000 | 0.000138239 |
| chr3 | 54468001 | 54473000 | 0.00015049 |
| chr3 | 54539001 | 54544000 | 0.000107299 |
| chr3 | 54581001 | 54586000 | 8.42E-05 |
| chr3 | 54582001 | 54587000 | 2.16E-06 |
| chr3 | 54599001 | 54604000 | 7.89E-05 |
| chr3 | 54622001 | 54627000 | 0.000205229 |
| chr3 | 54625001 | 54630000 | 1.14E-06 |
| chr3 | 54705001 | 54710000 | 1.11E-05 |
| chr3 | 54752001 | 54757000 | 1.68E-07 |
| chr3 | 54794001 | 54799000 | 1.84E-06 |
| chr3 | 54795001 | 54800000 | 6.62E-06 |
| chr3 | 54796001 | 54801000 | 8.39E-07 |
| chr3 | 54798001 | 54803000 | 8.10E-05 |
| chr3 | 54799001 | 54804000 | 6.43E-05 |
| chr3 | 54800001 | 54805000 | 8.29E-07 |
| chr3 | 54801001 | 54806000 | 4.59E-07 |
| chr3 | 54802001 | 54807000 | 2.05E-06 |
| chr3 | 54820001 | 54825000 | 0.000112654 |
| chr3 | 54821001 | 54826000 | 0.001324737 |
| chr3 | 54844001 | 54849000 | 1.20E-06 |
| chr3 | 54847001 | 54852000 | 7.97E-07 |
| chr3 | 55130001 | 55135000 | 0.001261869 |
| chr3 | 55131001 | 55136000 | 0.001616214 |
| chr3 | 55245001 | 55250000 | 0.000710984 |
| chr3 | 55247001 | 55252000 | 0.01361875 |
| chr3 | 55248001 | 55253000 | 0.01719495 |
| chr3 | 55456001 | 55461000 | 0.018121752 |
| chr3 | start | end  | p-value     |
|------|-------|------|-------------|
| 55523001 | 55528000 | 1.09E-15 |
| 55524001 | 55529000 | 1.55E-14 |
| 55791001 | 55796000 | 0.001790783 |
| 56119001 | 56124000 | 0.007746396 |
| 56120001 | 56125000 | 0.002113876 |
| 56121001 | 56126000 | 0.000731691 |
| 56122001 | 56127000 | 0.000164383 |
| 56123001 | 56128000 | 0.0001511166 |
| 56189001 | 56194000 | 0.005880792 |
| 56190001 | 56195000 | 0.000482997 |
| 56243001 | 56248000 | 4.44E-07 |
| 56261001 | 56266000 | 0.001363361 |
| 56347001 | 56352000 | 0.005833587 |
| 56411001 | 56416000 | 9.74E-05 |
| 56412001 | 56417000 | 1.03E-05 |
| 56462001 | 56467000 | 2.66E-06 |
| 56463001 | 56468000 | 7.38E-07 |
| 56464001 | 56469000 | 1.18E-06 |
| 56502001 | 56507000 | 4.97E-08 |
| 56507001 | 56512000 | 0.001509917 |
| 56509001 | 56514000 | 0.000614694 |
| 56557001 | 56562000 | 0.000961354 |
| 56558001 | 56563000 | 0.000106843 |
| 56559001 | 56564000 | 0.000879602 |
| 56590001 | 56595000 | 6.16E-24 |
| 56591001 | 56596000 | 9.98E-21 |
| 56610001 | 56615000 | 7.46E-06 |
| 56712001 | 56717000 | 1.97E-19 |
| 56713001 | 56718000 | 1.38E-05 |
| 56717001 | 56722000 | 1.45E-09 |
| 56870001 | 56875000 | 0.000463175 |
| 56905001 | 56910000 | 1.55E-05 |
| 56906001 | 56911000 | 9.66E-06 |
| 56908001 | 56913000 | 1.25E-05 |
| 56909001 | 56914000 | 3.81E-05 |
| 56924001 | 56929000 | 3.25E-07 |
| 57108001 | 57113000 | 2.41E-19 |
| 57109001 | 57114000 | 2.34E-13 |
| 57110001 | 57115000 | 1.22E-14 |
| 57112001 | 57117000 | 9.13E-13 |
| 57257001 | 57262000 | 1.37E-25 |
| 57258001 | 57263000 | 6.76E-29 |
| 57259001 | 57264000 | 7.92E-16 |
| 57261001 | 57266000 | 0.000104924 |
| 57378001 | 57383000 | 0.005688628 |
| 57537001 | 57542000 | 9.36E-19 |
| 57538001 | 57543000 | 3.38E-22 |
| 57539001 | 57544000 | 9.83E-18 |
| Chr  | Start  | End   | p-value       |
|------|--------|-------|---------------|
| chr3 | 57542001 | 57547000 | 2.37E-14     |
| chr3 | 57674001 | 57679000 | 1.48E-09     |
| chr3 | 57737001 | 57742000 | 5.56E-11     |
| chr3 | 57739001 | 57744000 | 1.57E-25     |
| chr3 | 57740001 | 57745000 | 4.55E-33     |
| chr3 | 57741001 | 57746000 | 1.70E-24     |
| chr3 | 57742001 | 57747000 | 6.18E-30     |
| chr3 | 57832001 | 57837000 | 2.08E-08     |
| chr3 | 57991001 | 57996000 | 2.08E-06     |
| chr3 | 57994001 | 57999000 | 0.000102452  |
| chr3 | 57995001 | 58000000 | 0.013701744  |
| chr3 | 58219001 | 58224000 | 1.62E-22     |
| chr3 | 58220001 | 58225000 | 9.37E-30     |
| chr3 | 58221001 | 58226000 | 3.29E-31     |
| chr3 | 58222001 | 58227000 | 4.40E-23     |
| chr3 | 58223001 | 58228000 | 7.51E-24     |
| chr3 | 58315001 | 58320000 | 0.000121463  |
| chr3 | 58415001 | 58420000 | 2.78E-20     |
| chr3 | 58416001 | 58421000 | 1.27E-09     |
| chr3 | 58418001 | 58423000 | 2.73E-14     |
| chr3 | 58419001 | 58424000 | 1.32E-19     |
| chr3 | 58478001 | 58483000 | 1.07E-17     |
| chr3 | 58890001 | 58895000 | 7.57E-05     |
| chr3 | 59031001 | 59036000 | 6.14E-37     |
| chr3 | 59212001 | 59217000 | 0.000568088  |
| chr3 | 59213001 | 59218000 | 0.00251513   |
| chr3 | 59332001 | 59337000 | 3.11E-08     |
| chr3 | 59395001 | 59400000 | 0.000232335  |
| chr3 | 59397001 | 59402000 | 3.50E-06     |
| chr3 | 59529001 | 59534000 | 8.33E-05     |
| chr3 | 59602001 | 59607000 | 6.54E-12     |
| chr3 | 59603001 | 59608000 | 7.97E-14     |
| chr3 | 59713001 | 59718000 | 2.30E-07     |
| chr3 | 59869001 | 59874000 | 0.003711281  |
| chr3 | 59870001 | 59875000 | 0.0032713    |
| chr3 | 60123001 | 60128000 | 0.000241152  |
| chr3 | 60198001 | 60203000 | 1.84E-05     |
| chr3 | 60199001 | 60204000 | 1.19E-05     |
| chr3 | 60200001 | 60205000 | 7.06E-06     |
| chr3 | 60289001 | 60294000 | 0.010433901  |
| chr3 | 60400001 | 60405000 | 0.005217352  |
| chr3 | 60448001 | 60453000 | 7.96E-05     |
| chr3 | 60598001 | 60603000 | 0.000453278  |
| chr3 | 60599001 | 60604000 | 3.53E-05     |
| chr3 | 60644001 | 60649000 | 0.0000555489 |
| chr3 | 60645001 | 60650000 | 0.001622846  |
| chr3 | 60646001 | 60651000 | 4.18E-05     |
| chr3 | 60729001 | 60734000 | 0.000101943  |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr3       | 60870001       | 60875000     | 0.003771551 |
| chr3       | 61030001       | 61035000     | 2.07E-08    |
| chr3       | 61257001       | 61262000     | 0.001902224 |
| chr3       | 61305001       | 61310000     | 0.002474824 |
| chr3       | 61306001       | 61311000     | 0.008785227 |
| chr3       | 61307001       | 61312000     | 0.004391287 |
| chr3       | 61398001       | 61403000     | 0.00107421  |
| chr3       | 61447001       | 61452000     | 0.000251311 |
| chr3       | 62300001       | 62305000     | 8.82E-17    |
| chr3       | 62301001       | 62306000     | 2.59E-20    |
| chr3       | 62302001       | 62307000     | 9.62E-13    |
| chr3       | 62303001       | 62308000     | 1.86E-15    |
| chr3       | 62304001       | 62309000     | 7.03E-15    |
| chr3       | 62305001       | 62310000     | 1.05E-14    |
| chr3       | 62502001       | 62507000     | 0.002153539 |
| chr3       | 62503001       | 62508000     | 1.14E-06    |
| chr3       | 62504001       | 62509000     | 1.96E-11    |
| chr3       | 62805001       | 62810000     | 0.000260566 |
| chr3       | 62832001       | 62837000     | 1.70E-05    |
| chr3       | 62834001       | 62839000     | 4.77E-07    |
| chr3       | 62889001       | 62894000     | 0.000338138 |
| chr3       | 62896001       | 62901000     | 0.0060492   |
| chr3       | 62898001       | 62903000     | 1.12E-05    |
| chr3       | 62899001       | 62904000     | 0.000161653 |
| chr3       | 62900001       | 62905000     | 7.55E-06    |
| chr3       | 62901001       | 62906000     | 0.000574518 |
| chr3       | 62909001       | 62914000     | 0.000697669 |
| chr3       | 62910001       | 62915000     | 0.000422149 |
| chr3       | 62911001       | 62916000     | 7.00E-06    |
| chr3       | 62987001       | 62992000     | 6.16E-05    |
| chr3       | 63027001       | 63032000     | 2.20E-06    |
| chr3       | 63028001       | 63033000     | 1.94E-06    |
| chr3       | 63216001       | 63221000     | 0.000722727 |
| chr3       | 63217001       | 63222000     | 0.000721166 |
| chr3       | 63218001       | 63223000     | 0.000544326 |
| chr3       | 63219001       | 63224000     | 1.90E-05    |
| chr3       | 63238001       | 63243000     | 4.82E-09    |
| chr3       | 63239001       | 63244000     | 2.70E-11    |
| chr3       | 63264001       | 63269000     | 9.48E-15    |
| chr3       | 63295001       | 63300000     | 0.005073423 |
| chr3       | 63362001       | 63367000     | 0.012066926 |
| chr3       | 63363001       | 63368000     | 0.003123897 |
| chr3       | 63364001       | 63369000     | 0.000349659 |
| chr3       | 63365001       | 63370000     | 0.000489714 |
| chr3       | 63366001       | 63371000     | 0.012369821 |
| chr3       | 63368001       | 63373000     | 0.000115203 |
| chr3       | 63389001       | 63394000     | 0.000159293 |
| chr3       | 63390001       | 63395000     | 0.000317281 |
| Chr | Start | End   | P-value         |
|-----|-------|-------|----------------|
| chr3| 63431001 | 63436000 | 7.32E-06       |
| chr3| 63480001 | 63485000 | 3.85E-06       |
| chr3| 63481001 | 63486000 | 6.27E-06       |
| chr3| 63482001 | 63487000 | 2.86E-06       |
| chr3| 63483001 | 63488000 | 0.000246596    |
| chr3| 63620001 | 63625000 | 0.003321781    |
| chr3| 63621001 | 63626000 | 0.002405486    |
| chr3| 63622001 | 63627000 | 0.000279252    |
| chr3| 63674001 | 63679000 | 0.00309039     |
| chr3| 63734001 | 63739000 | 1.49E-07       |
| chr3| 63735001 | 63740000 | 6.45E-05       |
| chr3| 63803001 | 63808000 | 0.016934147    |
| chr3| 63804001 | 63809000 | 0.014546382    |
| chr3| 63844001 | 63849000 | 2.11E-19       |
| chr3| 63845001 | 63850000 | 1.65E-39       |
| chr3| 63846001 | 63851000 | 1.81E-44       |
| chr3| 63847001 | 63852000 | 4.20E-24       |
| chr3| 63848001 | 63853000 | 6.52E-21       |
| chr3| 63849001 | 63854000 | 3.09E-30       |
| chr3| 63850001 | 63855000 | 5.17E-20       |
| chr3| 63893001 | 63898000 | 3.99E-38       |
| chr3| 63894001 | 63899000 | 3.80E-27       |
| chr3| 63895001 | 63900000 | 1.53E-25       |
| chr3| 63993001 | 63998000 | 0.01175974     |
| chr3| 64004001 | 64009000 | 3.40E-37       |
| chr3| 64005001 | 64010000 | 7.58E-34       |
| chr3| 64006001 | 64011000 | 6.32E-33       |
| chr3| 64007001 | 64012000 | 7.31E-33       |
| chr3| 64008001 | 64013000 | 2.93E-34       |
| chr3| 64009001 | 64014000 | 1.41E-29       |
| chr3| 64012001 | 64017000 | 9.39E-10       |
| chr3| 64013001 | 64018000 | 2.22E-10       |
| chr3| 64428001 | 64433000 | 2.93E-22       |
| chr3| 64429001 | 64434000 | 6.49E-23       |
| chr3| 64430001 | 64435000 | 2.23E-20       |
| chr3| 64538001 | 64543000 | 2.80E-06       |
| chr3| 64539001 | 64544000 | 2.63E-05       |
| chr3| 64563001 | 64568000 | 2.17E-05       |
| chr3| 64564001 | 64569000 | 6.81E-05       |
| chr3| 64659001 | 64664000 | 0.000505165    |
| chr3| 64660001 | 64665000 | 0.000434938    |
| chr3| 64661001 | 64666000 | 0.004147642    |
| chr3| 64673001 | 64678000 | 8.62E-45       |
| chr3| 64734001 | 64739000 | 0.000114219    |
| chr3| 64841001 | 64846000 | 0.002610296    |
| chr3| 64860001 | 64865000 | 5.45E-05       |
| chr3| 64861001 | 64866000 | 0.000151517    |
| chr3| 64862001 | 64867000 | 0.016599503    |
| Chromosome | Position Start | Position End | Score  |
|------------|----------------|--------------|--------|
| chr3       | 64863001       | 64868000     | 0.000199258 |
| chr3       | 64865001       | 64870000     | 0.001750479 |
| chr3       | 64885001       | 64890000     | 0.002878717 |
| chr3       | 64918001       | 64923000     | 1.37E-05 |
| chr3       | 64931001       | 64936000     | 8.22E-05 |
| chr3       | 64932001       | 64937000     | 0.000190366 |
| chr3       | 64933001       | 64938000     | 0.000324764 |
| chr3       | 64955001       | 64960000     | 1.63E-06 |
| chr3       | 65040001       | 65045000     | 1.24E-09 |
| chr3       | 65041001       | 65046000     | 6.29E-12 |
| chr3       | 65062001       | 65067000     | 1.52E-09 |
| chr3       | 65063001       | 65068000     | 8.39E-09 |
| chr3       | 65064001       | 65069000     | 5.85E-10 |
| chr3       | 65065001       | 65070000     | 4.60E-06 |
| chr3       | 65074001       | 65079000     | 1.45E-07 |
| chr3       | 65076001       | 65081000     | 1.66E-06 |
| chr3       | 65077001       | 65082000     | 9.39E-07 |
| chr3       | 65197001       | 65202000     | 0.000682977 |
| chr3       | 65210001       | 65215000     | 0.004691973 |
| chr3       | 65224001       | 65229000     | 1.07E-05 |
| chr3       | 65232001       | 65237000     | 0.001171623 |
| chr3       | 65233001       | 65238000     | 2.11E-05 |
| chr3       | 65298001       | 65303000     | 0.000111821 |
| chr3       | 65486001       | 65491000     | 0.004538685 |
| chr3       | 65531001       | 65536000     | 3.96E-16 |
| chr3       | 65532001       | 65537000     | 4.12E-15 |
| chr3       | 65533001       | 65538000     | 0.000117775 |
| chr3       | 65534001       | 65539000     | 2.64E-07 |
| chr3       | 65535001       | 65540000     | 1.00E-21 |
| chr3       | 65579001       | 65584000     | 5.34E-16 |
| chr3       | 65580001       | 65585000     | 6.72E-16 |
| chr3       | 65581001       | 65586000     | 9.74E-14 |
| chr3       | 65582001       | 65587000     | 2.70E-18 |
| chr3       | 65583001       | 65588000     | 2.74E-18 |
| chr3       | 65868001       | 65873000     | 0.002632724 |
| chr3       | 66024001       | 66029000     | 2.79E-16 |
| chr3       | 66025001       | 66030000     | 4.61E-16 |
| chr3       | 66149001       | 66154000     | 0.009281922 |
| chr3       | 66150001       | 66155000     | 9.15E-05 |
| chr3       | 66151001       | 66156000     | 3.69E-05 |
| chr3       | 66157001       | 66162000     | 2.38E-05 |
| chr3       | 66158001       | 66163000     | 9.43E-05 |
| chr3       | 66351001       | 66356000     | 0.000592798 |
| chr3       | 66551001       | 66556000     | 7.47E-34 |
| chr3       | 66655001       | 66660000     | 0.003438724 |
| chr3       | 66694001       | 66699000     | 0.000217052 |
| chr3       | 66723001       | 66728000     | 0.000373018 |
| chr3       | 66724001       | 66729000     | 0.000426139 |
| chr3 |       |       |            |
|------|-------|-------|------------|
|      | 66728001 | 66730000 | 2.86E-05   |
|      | 66730001 | 66735000 | 6.39E-05   |
|      | 66731001 | 66736000 | 0.000123308|
|      | 66732001 | 66737000 | 0.000235941|
|      | 66733001 | 66738000 | 0.000390184|
|      | 66734001 | 66739000 | 0.001110248|
|      | 66735001 | 66740000 | 0.000884461|
|      | 66736001 | 66741000 | 0.00254486 |
|      | 66815001 | 66820000 | 6.02E-06   |
|      | 66823001 | 66828000 | 1.72E-05   |
|      | 66844001 | 66849000 | 9.50E-13   |
|      | 66845001 | 66850000 | 2.75E-14   |
|      | 66846001 | 66851000 | 1.02E-13   |
|      | 66847001 | 66852000 | 8.46E-15   |
|      | 66853001 | 66858000 | 7.58E-08   |
|      | 67044001 | 67049000 | 5.11E-16   |
|      | 67045001 | 67050000 | 1.11E-23   |
|      | 67046001 | 67051000 | 1.80E-30   |
|      | 67047001 | 67052000 | 7.94E-38   |
|      | 67048001 | 67053000 | 1.54E-54   |
|      | 67085001 | 67090000 | 0.000276412|
|      | 67105001 | 67110000 | 0.020637987|
|      | 67242001 | 67247000 | 6.65E-05   |
|      | 67257001 | 67262000 | 0.000311736|
|      | 67343001 | 67348000 | 0.006431965|
|      | 67370001 | 67375000 | 0.000379864|
|      | 67371001 | 67376000 | 0.000419455|
|      | 67431001 | 67436000 | 2.28E-05   |
|      | 67700001 | 67705000 | 2.14E-13   |
|      | 67701001 | 67706000 | 9.52E-12   |
|      | 67702001 | 67707000 | 4.89E-17   |
|      | 67703001 | 67708000 | 1.29E-25   |
|      | 67704001 | 67709000 | 4.77E-29   |
|      | 67792001 | 67797000 | 0.001049845|
|      | 67877001 | 67882000 | 0.002046494|
|      | 67887001 | 67892000 | 0.001198902|
|      | 67893001 | 67898000 | 1.13E-06   |
|      | 67894001 | 67899000 | 1.49E-06   |
|      | 67906001 | 67911000 | 9.54E-05   |
|      | 68018001 | 68023000 | 0.00663619 |
|      | 68046001 | 68051000 | 0.013231326|
|      | 68053001 | 68058000 | 1.89E-13   |
|      | 68054001 | 68059000 | 2.59E-16   |
|      | 68055001 | 68060000 | 2.42E-15   |
|      | 68056001 | 68061000 | 3.55E-21   |
|      | 68057001 | 68062000 | 1.01E-23   |
|      | 68080001 | 68085000 | 0.000368183|
|      | 68178001 | 68183000 | 0.001714244|
| chr3   | 68231001 | 68236000 | 2.04E-05 |
| chr3   | 68232001 | 68237000 | 3.54E-05 |
| chr3   | 68234001 | 68239000 | 0.006533551 |
| chr3   | 68282001 | 68287000 | 0.002752353 |
| chr3   | 68403001 | 68408000 | 0.0020267 |
| chr3   | 68460001 | 68465000 | 5.53E-05 |
| chr3   | 68461001 | 68466000 | 0.000696395 |
| chr3   | 68523001 | 68528000 | 0.003317908 |
| chr3   | 68527001 | 68532000 | 0.006187775 |
| chr3   | 68615001 | 68620000 | 4.60E-06 |
| chr3   | 68648001 | 68653000 | 2.25E-07 |
| chr3   | 68649001 | 68654000 | 5.08E-09 |
| chr3   | 68650001 | 68655000 | 3.04E-08 |
| chr3   | 68672001 | 68677000 | 1.42E-07 |
| chr3   | 68673001 | 68678000 | 5.47E-06 |
| chr3   | 68674001 | 68679000 | 0.000498148 |
| chr3   | 68675001 | 68680000 | 0.000119593 |
| chr3   | 68681001 | 68686000 | 4.08E-07 |
| chr3   | 68682001 | 68687000 | 4.20E-07 |
| chr3   | 68683001 | 68688000 | 1.74E-06 |
| chr3   | 68687001 | 68692000 | 0.001731691 |
| chr3   | 68688001 | 68693000 | 0.000560324 |
| chr3   | 68702001 | 68707000 | 0.002365159 |
| chr3   | 68730001 | 68735000 | 0.001684291 |
| chr3   | 68731001 | 68736000 | 1.60E-06 |
| chr3   | 68732001 | 68737000 | 1.11E-05 |
| chr3   | 68733001 | 68738000 | 2.36E-05 |
| chr3   | 68734001 | 68739000 | 5.38E-07 |
| chr3   | 68767001 | 68772000 | 8.53E-09 |
| chr3   | 68768001 | 68773000 | 1.62E-05 |
| chr3   | 68769001 | 68774000 | 2.39E-08 |
| chr3   | 68821001 | 68826000 | 2.56E-08 |
| chr3   | 68822001 | 68827000 | 6.73E-08 |
| chr3   | 68876001 | 68881000 | 1.98E-12 |
| chr3   | 68885001 | 68890000 | 0.00025852 |
| chr3   | 69006001 | 69011000 | 1.93E-05 |
| chr3   | 69007001 | 69012000 | 0.000664063 |
| chr3   | 69059001 | 69064000 | 1.16E-22 |
| chr3   | 69060001 | 69065000 | 3.05E-25 |
| chr3   | 69061001 | 69066000 | 2.75E-38 |
| chr3   | 69062001 | 69067000 | 3.67E-53 |
| chr3   | 69063001 | 69068000 | 2.73E-22 |
| chr3   | 69096001 | 69101000 | 5.85E-43 |
| chr3   | 69097001 | 69102000 | 7.12E-50 |
| chr3   | 69098001 | 69103000 | 2.30E-26 |
| chr3   | 69099001 | 69104000 | 3.41E-24 |
| chr3   | 69100001 | 69105000 | 1.35E-35 |
| chr3   | 69101001 | 69106000 | 2.79E-33 |
| Chromosome | Base Pair 1 | Base Pair 2 | P-value  |
|------------|------------|------------|----------|
| chr3       | 69125001   | 69130000   | 7.26E-23 |
| chr3       | 69126001   | 69131000   | 1.17E-24 |
| chr3       | 69127001   | 69132000   | 1.47E-15 |
| chr3       | 69190001   | 69195000   | 0.002776852 |
| chr3       | 69191001   | 69196000   | 0.004365681 |
| chr3       | 69192001   | 69197000   | 0.001961882 |
| chr3       | 69223001   | 69228000   | 0.00034132 |
| chr3       | 69224001   | 69229000   | 2.05E-06 |
| chr3       | 69225001   | 69230000   | 1.10E-05 |
| chr3       | 69396001   | 69401000   | 8.38E-06 |
| chr3       | 69398001   | 69403000   | 2.26E-05 |
| chr3       | 69399001   | 69404000   | 2.66E-05 |
| chr3       | 69400001   | 69405000   | 0.00067254 |
| chr3       | 69401001   | 69406000   | 0.000691445 |
| chr3       | 69431001   | 69436000   | 7.11E-10 |
| chr3       | 69432001   | 69437000   | 1.05E-23 |
| chr3       | 69433001   | 69438000   | 1.98E-19 |
| chr3       | 69434001   | 69439000   | 2.22E-12 |
| chr3       | 69435001   | 69440000   | 2.42E-12 |
| chr3       | 69586001   | 69591000   | 1.24E-11 |
| chr3       | 69587001   | 69592000   | 5.18E-49 |
| chr3       | 69588001   | 69593000   | 3.51E-51 |
| chr3       | 69589001   | 69594000   | 3.44E-46 |
| chr3       | 69590001   | 69595000   | 7.89E-24 |
| chr3       | 69591001   | 69596000   | 1.08E-45 |
| chr3       | 69592001   | 69597000   | 1.70E-07 |
| chr3       | 69595001   | 69600000   | 0.001851034 |
| chr3       | 69596001   | 69601000   | 5.86E-05 |
| chr3       | 69597001   | 69602000   | 0.001120053 |
| chr3       | 69620001   | 69625000   | 0.009126506 |
| chr3       | 69622001   | 69627000   | 1.04E-06 |
| chr3       | 69623001   | 69628000   | 5.68E-06 |
| chr3       | 69667001   | 69672000   | 0.000164185 |
| chr3       | 69668001   | 69673000   | 0.00030314 |
| chr3       | 69754001   | 69759000   | 0.004995151 |
| chr3       | 70075001   | 70080000   | 0.000383993 |
| chr3       | 70076001   | 70081000   | 0.000591519 |
| chr3       | 70077001   | 70082000   | 0.000213456 |
| chr3       | 70078001   | 70083000   | 9.66E-06 |
| chr3       | 70079001   | 70084000   | 1.80E-08 |
| chr3       | 70080001   | 70085000   | 1.25E-07 |
| chr3       | 70081001   | 70086000   | 7.95E-07 |
| chr3       | 70082001   | 70087000   | 2.08E-06 |
| chr3       | 70083001   | 70088000   | 0.001581963 |
| chr3       | 70092001   | 70097000   | 0.000255608 |
| chr3       | 70094001   | 70099000   | 0.000101726 |
| chr3       | 70106001   | 70111000   | 3.32E-06 |
| chr3       | 70107001   | 70112000   | 3.02E-05 |
| Chr | Start | End   | Value       |
|-----|-------|-------|-------------|
| chr3| 70181001 | 70186000 | 3.34E-05     |
| chr3| 70256001 | 70261000 | 0.004067658  |
| chr3| 70274001 | 70279000 | 0.002526574  |
| chr3| 70275001 | 70280000 | 0.002073124  |
| chr3| 70448001 | 70453000 | 0.000725783  |
| chr3| 70449001 | 70454000 | 0.001301108  |
| chr3| 70506001 | 70511000 | 7.60E-05     |
| chr3| 70507001 | 70512000 | 2.33E-05     |
| chr3| 70508001 | 70513000 | 2.77E-07     |
| chr3| 70509001 | 70514000 | 2.98E-07     |
| chr3| 70510001 | 70515000 | 2.04E-08     |
| chr3| 70718001 | 70723000 | 0.004940234  |
| chr3| 70719001 | 70724000 | 4.43E-06     |
| chr3| 70720001 | 70725000 | 1.92E-06     |
| chr3| 70721001 | 70726000 | 1.62E-05     |
| chr3| 70733001 | 70738000 | 3.62E-07     |
| chr3| 70734001 | 70739000 | 3.45E-11     |
| chr3| 70735001 | 70740000 | 2.29E-09     |
| chr3| 70736001 | 70741000 | 1.24E-07     |
| chr3| 70737001 | 70742000 | 2.88E-13     |
| chr3| 70784001 | 70789000 | 0.002558449  |
| chr3| 70786001 | 70791000 | 0.000155991  |
| chr3| 70787001 | 70792000 | 5.01E-05     |
| chr3| 70989001 | 70994000 | 8.47E-06     |
| chr3| 70990001 | 70995000 | 0.000138947  |
| chr3| 71544001 | 71549000 | 5.36E-06     |
| chr3| 71545001 | 71550000 | 2.64E-06     |
| chr3| 71626001 | 71631000 | 1.07E-21     |
| chr3| 71627001 | 71632000 | 2.81E-27     |
| chr3| 71628001 | 71633000 | 1.57E-18     |
| chr3| 71769001 | 71774000 | 1.94E-09     |
| chr3| 71770001 | 71775000 | 4.07E-24     |
| chr3| 71771001 | 71776000 | 2.51E-29     |
| chr3| 71772001 | 71777000 | 1.20E-46     |
| chr3| 71773001 | 71778000 | 1.16E-42     |
| chr3| 71774001 | 71779000 | 1.17E-41     |
| chr3| 71798001 | 71803000 | 2.82E-17     |
| chr3| 71799001 | 71804000 | 2.78E-28     |
| chr3| 71800001 | 71805000 | 3.76E-24     |
| chr3| 71801001 | 71806000 | 6.68E-44     |
| chr3| 71802001 | 71807000 | 8.69E-30     |
| chr3| 71803001 | 71808000 | 5.68E-40     |
| chr3| 71823001 | 71828000 | 4.20E-07     |
| chr3| 71824001 | 71829000 | 1.31E-07     |
| chr3| 71825001 | 71830000 | 3.28E-07     |
| chr3| 71826001 | 71831000 | 7.52E-05     |
| chr3| 71830001 | 71835000 | 1.27E-19     |
| chr3| 71831001 | 71836000 | 1.60E-12     |
| chr3 | 74511001 | 74516000 | 0.000311183 |
| chr3 | 74512001 | 74517000 | 0.000275332 |
| chr3 | 74514001 | 74519000 | 0.000764856 |
| chr3 | 74619001 | 74624000 | 5.73E-17   |
| chr3 | 74694001 | 74699000 | 1.26E-05   |
| chr3 | 74695001 | 74700000 | 2.90E-05   |
| chr3 | 74696001 | 74701000 | 8.55E-06   |
| chr3 | 74713001 | 74718000 | 2.43E-05   |
| chr3 | 74756001 | 74761000 | 9.04E-05   |
| chr3 | 74877001 | 74882000 | 1.12E-09   |
| chr3 | 75052001 | 75057000 | 1.74E-06   |
| chr3 | 75053001 | 75058000 | 8.70E-08   |
| chr3 | 75061001 | 75066000 | 0.001481607|
| chr3 | 75179001 | 75184000 | 0.002399674|
| chr3 | 75234001 | 75239000 | 8.52E-05   |
| chr3 | 75303001 | 75308000 | 0.002894153|
| chr3 | 75346001 | 75351000 | 4.85E-07   |
| chr3 | 75347001 | 75352000 | 8.23E-05   |
| chr3 | 75348001 | 75353000 | 9.03E-06   |
| chr3 | 75349001 | 75354000 | 0.000420716|
| chr3 | 75364001 | 75369000 | 0.000425178|
| chr3 | 75365001 | 75370000 | 3.13E-05   |
| chr3 | 75427001 | 75432000 | 2.15E-08   |
| chr3 | 75428001 | 75433000 | 1.58E-11   |
| chr3 | 75429001 | 75434000 | 1.05E-10   |
| chr3 | 75430001 | 75435000 | 1.77E-10   |
| chr3 | 75431001 | 75436000 | 2.60E-07   |
| chr3 | 75480001 | 75485000 | 6.77E-11   |
| chr3 | 75481001 | 75486000 | 9.78E-18   |
| chr3 | 75482001 | 75487000 | 2.72E-35   |
| chr3 | 75483001 | 75488000 | 2.83E-46   |
| chr3 | 75484001 | 75489000 | 9.27E-37   |
| chr3 | 75582001 | 75587000 | 0.018290907|
| chr3 | 75603001 | 75608000 | 0.002882513|
| chr3 | 75608001 | 75613000 | 0.000236817|
| chr3 | 75951001 | 75956000 | 3.24E-20   |
| chr3 | 75952001 | 75957000 | 1.66E-12   |
| chr3 | 75953001 | 75958000 | 1.57E-11   |
| chr3 | 75954001 | 75959000 | 4.52E-10   |
| chr3 | 76036001 | 76041000 | 0.000480776|
| chr3 | 76219001 | 76224000 | 5.22E-06   |
| chr3 | 76457001 | 76462000 | 3.69E-05   |
| chr3 | 76491001 | 76496000 | 5.00E-05   |
| chr3 | 76492001 | 76497000 | 2.03E-07   |
| chr3 | 76493001 | 76498000 | 5.63E-05   |
| chr3 | 76494001 | 76499000 | 6.32E-06   |
| chr3 | 76495001 | 76500000 | 0.000220915|
| Chromosome | Start | End   | Value    |
|------------|-------|-------|----------|
| chr3       | 76558001 | 76563000 | 1.33E-09 |
| chr3       | 76771001 | 76776000 | 5.64E-08 |
| chr3       | 76772001 | 76777000 | 2.41E-07 |
| chr3       | 76773001 | 76778000 | 1.81E-06 |
| chr3       | 76795001 | 76800000 | 0.00400587 |
| chr3       | 76960001 | 76961000 | 7.43E-06 |
| chr3       | 76970001 | 76974000 | 9.42E-05 |
| chr3       | 76980001 | 76983000 | 0.000283331 |
| chr3       | 76827001 | 76832000 | 0.002808266 |
| chr3       | 76828001 | 76833000 | 0.002841067 |
| chr3       | 76834001 | 76839000 | 0.000621908 |
| chr3       | 76964001 | 76969000 | 0.000291398 |
| chr3       | 77045001 | 77050000 | 0.00936282 |
| chr3       | 77083001 | 77084000 | 4.21E-38 |
| chr3       | 77084001 | 77089000 | 1.23E-64 |
| chr3       | 77085001 | 77090000 | 4.57E-68 |
| chr3       | 77087001 | 77092000 | 1.70E-62 |
| chr3       | 77089001 | 77094000 | 8.92E-27 |
| chr3       | 77188001 | 77193000 | 0.004339216 |
| chr3       | 77198001 | 77203000 | 2.90E-05 |
| chr3       | 77352001 | 77357000 | 3.33E-06 |
| chr3       | 77353001 | 77358000 | 1.40E-05 |
| chr3       | 77396001 | 77401000 | 0.001390983 |
| chr3       | 77397001 | 77402000 | 0.000824453 |
| chr3       | 77398001 | 77403000 | 0.004692309 |
| chr3       | 77399001 | 77404000 | 0.003357268 |
| chr3       | 77538001 | 77543000 | 0.001442851 |
| chr3       | 77787001 | 77792000 | 0.000662327 |
| chr3       | 77789001 | 77794000 | 0.00137205 |
| chr3       | 77970001 | 77975000 | 0.001192732 |
| chr3       | 78081001 | 78086000 | 3.71E-08 |
| chr3       | 78082001 | 78087000 | 2.76E-05 |
| chr3       | 78083001 | 78088000 | 1.24E-05 |
| chr3       | 78084001 | 78089000 | 0.000324482 |
| chr3       | 78427001 | 78432000 | 0.000386192 |
| chr3       | 78770001 | 78775000 | 0.000343034 |
| chr3       | 79062001 | 79067000 | 1.11E-05 |
| chr3       | 79063001 | 79068000 | 4.73E-24 |
| chr3       | 79064001 | 79069000 | 8.41E-03 |
| chr3       | 79065001 | 79070000 | 2.79E-25 |
| chr3       | 79066001 | 79071000 | 2.52E-22 |
| chr3       | 79067001 | 79072000 | 5.55E-29 |
| chr3       | 79068001 | 79073000 | 4.31E-27 |
| chr3       | 79170001 | 79175000 | 2.57E-09 |
| chr3       | 79171001 | 79176000 | 6.00E-12 |
| chr3       | 79172001 | 79177000 | 6.91E-10 |
| chr3       | 79173001 | 79178000 | 1.68E-12 |
| Chromosome | Start | End   | p-value  |
|------------|-------|-------|----------|
| chr3       | 79174001 | 79179000 | 1.71E-12  |
| chr3       | 79175001 | 79180000 | 0.002642034 |
| chr3       | 79243001 | 79248000 | 1.78E-05  |
| chr3       | 79296001 | 79301000 | 0.005749931 |
| chr3       | 79297001 | 79302000 | 0.001143028 |
| chr3       | 79343001 | 79348000 | 0.002950518 |
| chr3       | 79693001 | 79698000 | 0.00294235 |
| chr3       | 79694001 | 79699000 | 0.005383587 |
| chr3       | 80122001 | 80127000 | 2.04E-05  |
| chr3       | 80646001 | 80651000 | 1.99E-06  |
| chr3       | 80654001 | 80659000 | 1.66E-06  |
| chr3       | 80655001 | 80660000 | 1.83E-05  |
| chr3       | 80656001 | 80661000 | 5.76E-05  |
| chr3       | 80657001 | 80662000 | 0.000105029 |
| chr3       | 80718001 | 80723000 | 0.000157963 |
| chr3       | 80755001 | 80760000 | 4.42E-09  |
| chr3       | 80756001 | 80761000 | 7.44E-11  |
| chr3       | 80853001 | 80858000 | 1.48E-07  |
| chr3       | 80854001 | 80859000 | 1.00E-06  |
| chr3       | 80957001 | 80962000 | 5.32E-07  |
| chr3       | 80958001 | 80963000 | 2.73E-09  |
| chr3       | 80959001 | 80964000 | 6.41E-08  |
| chr3       | 80998001 | 81003000 | 1.13E-05  |
| chr3       | 80999001 | 81004000 | 6.33E-05  |
| chr3       | 81000001 | 81005000 | 1.06E-05  |
| chr3       | 81010001 | 81015000 | 2.83E-08  |
| chr3       | 81020001 | 81025000 | 1.06E-06  |
| chr3       | 81166001 | 81171000 | 0.0000342543 |
| chr3       | 81217001 | 81222000 | 0.000143527 |
| chr3       | 81286001 | 81291000 | 5.95E-06  |
| chr3       | 81349001 | 81354000 | 0.004920368 |
| chr3       | 81534001 | 81539000 | 1.51E-05  |
| chr3       | 81715001 | 81720000 | 0.010449268 |
| chr3       | 81716001 | 81721000 | 0.013034235 |
| chr3       | 81717001 | 81722000 | 0.00202544 |
| chr3       | 81806001 | 81811000 | 2.37E-09  |
| chr3       | 81810001 | 81815000 | 4.71E-14  |
| chr3       | 82275001 | 82280000 | 1.54E-05  |
| chr3       | 82276001 | 82281000 | 4.44E-05  |
| chr3       | 82277001 | 82282000 | 6.70E-05  |
| chr3       | 82278001 | 82283000 | 0.000158512 |
| chr3       | 82429001 | 82434000 | 0.000542936 |
| chr3       | 82482001 | 82487000 | 0.000209704 |
| chr3       | 82483001 | 82488000 | 0.000995254 |
| chr3       | 82576001 | 82581000 | 6.64E-05  |
| chr3       | 82577001 | 82582000 | 0.000164467 |
| chr3       | 82649001 | 82654000 | 0.000799935 |
| chr3       | 82685001 | 82690000 | 0.000105134 |
| Chromosome | Start | End | Score |
|------------|-------|-----|-------|
| chr3       | 82787001 | 82792000 | 0.000108396 |
| chr3       | 82852001 | 82857000 | 0.000163446 |
| chr3       | 82887001 | 82892000 | 0.000138541 |
| chr3       | 82953001 | 82958000 | 0.011377414 |
| chr3       | 82954001 | 82959000 | 0.014356118 |
| chr3       | 83174001 | 83179000 | 0.003266358 |
| chr3       | 83175001 | 83180000 | 0.006772618 |
| chr3       | 83176001 | 83181000 | 0.013251786 |
| chr3       | 83289001 | 83294000 | 0.005217617 |
| chr3       | 83331001 | 83336000 | 0.006772618 |
| chr3       | 83480001 | 83485000 | 3.69E-05 |
| chr3       | 83481001 | 83486000 | 3.50E-05 |
| chr3       | 83482001 | 83487000 | 1.02E-05 |
| chr3       | 83483001 | 83488000 | 9.85E-05 |
| chr3       | 84366001 | 84371000 | 2.75E-05 |
| chr3       | 84420001 | 84425000 | 0.001237551 |
| chr3       | 84449001 | 84454000 | 7.22E-06 |
| chr3       | 84592001 | 84597000 | 1.03E-06 |
| chr3       | 84665001 | 84670000 | 0.00239357 |
| chr3       | 84682001 | 84687000 | 0.00133183 |
| chr3       | 84841001 | 84846000 | 0.014611332 |
| chr3       | 84859001 | 84864000 | 3.31E-08 |
| chr3       | 84860001 | 84865000 | 2.92E-11 |
| chr3       | 84861001 | 84866000 | 1.11E-13 |
| chr3       | 84862001 | 84867000 | 1.16E-15 |
| chr3       | 84863001 | 84868000 | 5.46E-13 |
| chr3       | 84915001 | 84920000 | 0.000396495 |
| chr3       | 84938001 | 84943000 | 2.99E-05 |
| chr3       | 84981001 | 84986000 | 0.000489751 |
| chr3       | 84982001 | 84987000 | 0.000960662 |
| chr3       | 84983001 | 84988000 | 0.000476852 |
| chr3       | 84985001 | 84990000 | 5.47E-08 |
| chr3       | 85003001 | 85008000 | 3.32E-13 |
| chr3       | 85004001 | 85009000 | 5.66E-31 |
| chr3       | 85145001 | 85150000 | 0.002366837 |
| chr3       | 85270001 | 85275000 | 3.50E-07 |
| chr3       | 85369001 | 85374000 | 3.16E-10 |
| chr3       | 85370001 | 85375000 | 0.000149496 |
| chr3       | 85445001 | 85450000 | 4.35E-06 |
| chr3       | 85643001 | 85648000 | 0.013342307 |
| chr3       | 85644001 | 85649000 | 0.008712046 |
| chr3       | 85645001 | 85650000 | 0.009697262 |
| chr3       | 85888001 | 85893000 | 0.000838354 |
| chr3       | 85889001 | 85894000 | 0.004982777 |
| chr3       | 85890001 | 85895000 | 0.008331504 |
| chr3       | 85994001 | 85999000 | 1.51E-06 |
| chr3       | 86099001 | 86104000 | 0.00212626 |
| chr3       | 86147001 | 86152000 | 9.36E-06 |
| Chr | Start | End   | Score  |
|-----|-------|-------|--------|
| chr3| 86209001 | 86214000 | 0.000753257 |
| chr3| 86409001 | 86414000 | 0.007155809 |
| chr3| 86411001 | 86416000 | 0.005270972 |
| chr3| 86412001 | 86417000 | 0.00386368 |
| chr3| 86413001 | 86418000 | 0.002469211 |
| chr3| 86530001 | 86535000 | 0.005064517 |
| chr3| 87035001 | 87040000 | 1.25E-29 |
| chr3| 87038001 | 87043000 | 9.90E-27 |
| chr3| 87039001 | 87044000 | 4.11E-30 |
| chr3| 87040001 | 87045000 | 1.32E-20 |
| chr3| 87134001 | 87139000 | 2.55E-14 |
| chr3| 87135001 | 87140000 | 3.05E-11 |
| chr3| 87136001 | 87141000 | 4.00E-09 |
| chr3| 87271001 | 87276000 | 8.47E-27 |
| chr3| 87272001 | 87277000 | 4.90E-62 |
| chr3| 87273001 | 87278000 | 1.65E-48 |
| chr3| 87274001 | 87279000 | 2.48E-53 |
| chr3| 87275001 | 87280000 | 1.34E-37 |
| chr3| 87276001 | 87281000 | 3.92E-40 |
| chr3| 87277001 | 87282000 | 3.05E-08 |
| chr3| 87317001 | 87322000 | 0.014074638 |
| chr3| 87494001 | 87499000 | 0.000135009 |
| chr3| 87495001 | 87500000 | 6.90E-05 |
| chr3| 87507001 | 87512000 | 0.00026334 |
| chr3| 87524001 | 87529000 | 0.002988654 |
| chr3| 87525001 | 87530000 | 0.002766665 |
| chr3| 87528001 | 87533000 | 0.008968994 |
| chr3| 87542001 | 87547000 | 4.26E-09 |
| chr3| 87543001 | 87548000 | 4.97E-10 |
| chr3| 87751001 | 87756000 | 0.002227794 |
| chr3| 87752001 | 87757000 | 0.001316211 |
| chr3| 87772001 | 87777000 | 1.94E-06 |
| chr3| 87730001 | 87778000 | 7.22E-05 |
| chr3| 87774001 | 87779000 | 0.000253406 |
| chr3| 87775001 | 87780000 | 0.000599406 |
| chr3| 87819001 | 87824000 | 0.00028846 |
| chr3| 88020001 | 88025000 | 0.000160371 |
| chr3| 88021001 | 88026000 | 1.87E-06 |
| chr3| 88022001 | 88027000 | 0.000867429 |
| chr3| 88103001 | 88108000 | 1.23E-53 |
| chr3| 88194001 | 88199000 | 1.52E-33 |
| chr3| 88195001 | 88200000 | 3.63E-40 |
| chr3| 88233001 | 88238000 | 2.49E-06 |
| chr3| 88291001 | 88296000 | 0.023062989 |
| chr3| 88334001 | 88339000 | 0.00082463 |
| chr3| 88340001 | 88345000 | 0.000305275 |
| chr3| 88554001 | 88559000 | 1.67E-06 |
| Chromosome | Start (bp) | End (bp) | p-value |
|------------|------------|----------|---------|
| chr3       | 89152001   | 89157000 | 5.11E-19 |
| chr3       | 89159001   | 89164000 | 2.22E-28 |
| chr3       | 89160001   | 89165000 | 5.16E-35 |
| chr3       | 89161001   | 89166000 | 8.01E-31 |
| chr3       | 89164001   | 89169000 | 5.88E-08 |
| chr3       | 89560001   | 89565000 | 0.000253647 |
| chr3       | 89561001   | 89566000 | 0.000225161 |
| chr3       | 93688001   | 93693000 | 4.47E-22 |
| chr3       | 93689001   | 93694000 | 1.02E-18 |
| chr3       | 93692001   | 93697000 | 1.05E-30 |
| chr3       | 93699001   | 93704000 | 8.94E-30 |
| chr3       | 93916001   | 93921000 | 0.021970675 |
| chr3       | 94130001   | 94135000 | 0.000140816 |
| chr3       | 94193001   | 94198000 | 0.003053981 |
| chr3       | 94194001   | 94199000 | 0.013437579 |
| chr3       | 94195001   | 94200000 | 0.007002179 |
| chr3       | 94316001   | 94321000 | 0.000197299 |
| chr3       | 94831001   | 94836000 | 0.000913225 |
| chr3       | 95383001   | 95388000 | 6.38E-06 |
| chr3       | 95384001   | 95389000 | 1.90E-05 |
| chr3       | 95519001   | 95524000 | 6.36E-05 |
| chr3       | 95520001   | 95525000 | 6.61E-06 |
| chr3       | 95523001   | 95528000 | 3.61E-06 |
| chr3       | 95607001   | 95612000 | 1.96E-05 |
| chr3       | 95793001   | 95798000 | 1.90E-05 |
| chr3       | 95794001   | 95799000 | 5.30E-05 |
| chr3       | 95795001   | 95800000 | 0.000382257 |
| chr3       | 95928001   | 95933000 | 1.65E-05 |
| chr3       | 95929001   | 95934000 | 0.00013825 |
| chr3       | 95973001   | 95978000 | 6.86E-06 |
| chr3       | 96009001   | 96014000 | 0.004195974 |
| chr3       | 96078001   | 96083000 | 0.021266641 |
| chr3       | 96273001   | 96278000 | 0.000112486 |
| chr3       | 96274001   | 96279000 | 0.002230702 |
| chr3       | 96275001   | 96280000 | 0.004047312 |
| chr3       | 96276001   | 96281000 | 0.003454335 |
| chr3       | 96320001   | 96325000 | 4.22E-05 |
| chr3       | 96533001   | 96538000 | 3.94E-28 |
| chr3       | 97479001   | 97484000 | 2.21E-52 |
| chr3       | 97480001   | 97485000 | 8.14E-53 |
| chr3       | 97481001   | 97486000 | 5.13E-49 |
| chr3       | 97482001   | 97487000 | 9.54E-48 |
| chr3       | 97483001   | 97488000 | 6.75E-31 |
| chr3       | 97484001   | 97489000 | 5.08E-07 |
| chr3       | 97536001   | 97541000 | 9.76E-72 |
| chr3       | 97539001   | 97544000 | 2.52E-59 |
| chr3       | 97541001   | 97546000 | 3.65E-51 |
| chr3       | 97547001   | 97552000 | 0.000411989 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr3       | 97599001 | 97604000 | 3.73E-05  |
| chr3       | 97600001 | 97605000 | 5.74E-05  |
| chr3       | 97601001 | 97606000 | 0.000271856 |
| chr3       | 97691001 | 97696000 | 0.0013349712 |
| chr3       | 97916001 | 97921000 | 2.16E-05  |
| chr3       | 98074001 | 98079000 | 0.002384549 |
| chr3       | 98075001 | 98080000 | 1.63E-05  |
| chr3       | 98077001 | 98082000 | 1.52E-05  |
| chr3       | 98078001 | 98083000 | 8.92E-06  |
| chr3       | 98098001 | 98103000 | 0.000978033 |
| chr3       | 98099001 | 98104000 | 0.001604624 |
| chr3       | 98101001 | 98106000 | 0.0013411  |
| chr3       | 98148001 | 98153000 | 0.00149857 |
| chr3       | 98237001 | 98242000 | 6.89E-69  |
| chr3       | 98238001 | 98243000 | 7.41E-51  |
| chr3       | 98307001 | 98312000 | 1.26E-42  |
| chr3       | 98308001 | 98313000 | 7.41E-113 |
| chr3       | 98309001 | 98314000 | 1.23E-122 |
| chr3       | 98310001 | 98315000 | 2.65E-44  |
| chr3       | 98311001 | 98316000 | 4.67E-41  |
| chr3       | 98312001 | 98317000 | 1.07E-52  |
| chr3       | 98341001 | 98346000 | 0.0068547 |
| chr3       | 98344001 | 98349000 | 5.15E-05  |
| chr3       | 98521001 | 98526000 | 9.54E-20  |
| chr3       | 98565001 | 98570000 | 0.018817559 |
| chr3       | 98912001 | 98917000 | 5.02E-09  |
| chr3       | 98913001 | 98918000 | 4.51E-07  |
| chr3       | 98989001 | 98994000 | 0.04567179 |
| chr3       | 99006001 | 99011000 | 0.013599159 |
| chr3       | 99075001 | 99080000 | 0.002064898 |
| chr3       | 99128001 | 99133000 | 0.00168505 |
| chr3       | 99134001 | 99139000 | 0.001018227 |
| chr3       | 99585001 | 99590000 | 0.010534398 |
| chr3       | 99595001 | 99600000 | 2.81E-37  |
| chr3       | 99689001 | 99694000 | 6.17E-08  |
| chr3       | 99690001 | 99695000 | 2.70E-10  |
| chr3       | 99849001 | 99854000 | 8.24E-07  |
| chr3       | 100115001| 100120000| 1.73E-23  |
| chr3       | 100116001| 100121000| 1.00E-24  |
| chr3       | 100117001| 100122000| 1.87E-23  |
| chr3       | 100119001| 100124000| 1.28E-24  |
| chr3       | 100120001| 100125000| 1.87E-16  |
| chr3       | 100424001| 100429000| 2.11E-25  |
| chr3       | 100428001| 100433000| 1.48E-32  |
| chr3       | 100446001| 100451000| 0.002248718 |
| Chromosome | Gene Start | Gene End | p-value |
|------------|------------|----------|---------|
| chr3       | 100447001  | 100452000| 0.000625095 |
| chr3       | 101279001  | 101284000| 4.76E-16 |
| chr3       | 101280001  | 101285000| 2.86E-13 |
| chr3       | 101391001  | 101396000| 5.97E-59 |
| chr3       | 101498001  | 101503000| 1.21E-45 |
| chr3       | 101564001  | 101569000| 2.83E-96 |
| chr3       | 102218001  | 102223000| 0.022651622 |
| chr3       | 103758001  | 103763000| 0.011560806 |
| chr3       | 103759001  | 103764000| 0.021995422 |
| chr3       | 103760001  | 103765000| 0.000449913 |
| chr3       | 103761001  | 103766000| 0.000387356 |
| chr3       | 104114001  | 104119000| 0.001090779 |
| chr3       | 104254001  | 104259000| 0.0002515274 |
| chr3       | 1046957001 | 1046962000| 1.80E-27 |
| chr3       | 1046958001 | 1046963000| 1.19E-24 |
| chr3       | 106959001  | 106964000| 2.32E-22 |
| chr3       | 106960001  | 106965000| 3.01E-05 |
| chr3       | 107144001  | 107149000| 1.53E-29 |
| chr3       | 107145001  | 107150000| 1.15E-30 |
| chr3       | 107242001  | 107247000| 9.13E-25 |
| chr3       | 107243001  | 107248000| 1.11E-35 |
| chr3       | 107244001  | 107249000| 7.64E-40 |
| chr3       | 107809001  | 107814000| 4.04E-33 |
| chr3       | 107936001  | 107941000| 9.75E-14 |
| chr3       | 107937001  | 107942000| 6.07E-33 |
| chr3       | 108027001  | 108032000| 2.58E-05 |
| chr3       | 108123001  | 108128000| 0.000383397 |
| chr3       | 108124001  | 108129000| 0.000536799 |
| chr3       | 108157001  | 108162000| 0.010059532 |
| chr3       | 108161001  | 108166000| 6.74E-05 |
| chr3       | 108162001  | 108167000| 0.000641493 |
| chr3       | 108256001  | 108261000| 0.003583623 |
| chr3       | 108257001  | 108262000| 0.001593293 |
| chr3       | 108303001  | 108308000| 4.42E-14 |
| chr3       | 108304001  | 108309000| 1.53E-58 |
| chr3       | 108422001  | 108427000| 0.00612723 |
| chr3       | 108423001  | 108428000| 5.25E-05 |
| chr3       | 108424001  | 108429000| 1.13E-06 |
| chr3       | 108425001  | 108430000| 2.96E-06 |
| chr3       | 108426001  | 108431000| 4.79E-05 |
| chr3       | 108462001  | 108467000| 8.73E-06 |
| chr3       | 108463001  | 108468000| 4.68E-08 |
| chr3       | 108500001  | 108505000| 0.003181228 |
| chr3       | 108521001  | 108526000| 0.000705911 |
| chr3       | 108774001  | 108779000| 3.95E-07 |
| chr3 | start | end   | p-value   |
|------|-------|-------|-----------|
| 108775001 | 108780000 | 2.49E-07 |
| 108791001 | 108796000 | 1.97E-12  |
| 108792001 | 108796000 | 0.000774686 |
| 108793001 | 108798000 | 0.000478689 |
| 108795001 | 108800000 | 0.002138296 |
| 108796001 | 108801000 | 5.31E-05   |
| 108797001 | 108802000 | 1.61E-06   |
| 108799001 | 108804000 | 6.12E-05   |
| 108800001 | 108805000 | 3.23E-05   |
| 108801001 | 108806000 | 5.48E-07   |
| 108805001 | 108810000 | 1.20E-35   |
| 108806001 | 108807000 | 6.64E-39   |
| 108956001 | 108961000 | 1.69E-35   |
| 109790001 | 109795000 | 0.000274008 |
| 109982001 | 110987000 | 5.66E-05   |
| 110160001 | 111021000 | 0.003374067 |
| 11137001 | 111342000 | 2.14E-45   |
| 111935001 | 111940000 | 4.55E-06   |
| 112053001 | 112058000 | 3.28E-48   |
| 11218001 | 112196000 | 5.32E-05   |
| 112658001 | 112663000 | 3.62E-24   |
| 113234001 | 113239000 | 1.20E-35   |
| 113869001 | 113874000 | 5.83E-05   |
| 113870001 | 113875000 | 0.000274656 |
| 113945001 | 113950000 | 0.00145297 |
| 114029001 | 114034000 | 0.000217537 |
| 114339001 | 114344000 | 1.72E-09   |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr3       | 114572001      | 114577000    | 0.002695252 |
| chr3       | 114573001      | 114578000    | 0.00122084  |
| chr3       | 114574001      | 114579000    | 2.23E-07    |
| chr3       | 114576001      | 114581000    | 1.34E-21    |
| chr3       | 114578001      | 114583000    | 6.33E-41    |
| chr3       | 114579001      | 115184000    | 0.004871521 |
| chr3       | 114580001      | 114585000    | 4.50E-63    |
| chr3       | 114581001      | 114586000    | 1.73E-58    |
| chr3       | 114582001      | 114587000    | 8.58E-49    |
| chr3       | 114583001      | 114588000    | 0.005933176 |
| chr3       | 114584001      | 114589000    | 3.83E-15    |
| chr3       | 114585001      | 114590000    | 1.99E-59    |
| chr3       | 114586001      | 114591000    | 2.08E-43    |
| chr3       | 114587001      | 114592000    | 0.005383545 |
| chr3       | 114588001      | 114593000    | 0.001384228 |
| chr3       | 114589001      | 114594000    | 7.90E-06    |
| chr3       | 114590001      | 114595000    | 3.85E-05    |
| chr3       | 114591001      | 114596000    | 7.13E-06    |
| chr3       | 114592001      | 114597000    | 5.15E-05    |
| chr3       | 114593001      | 114598000    | 0.001843261 |
| chr3       | 114594001      | 114599000    | 0.00145122  |
| chr3       | 114595001      | 114600000    | 3.11E-05    |
| chr3       | 114596001      | 114601000    | 0.013016265 |
| chr3       | 114597001      | 114602000    | 2.75E-18    |
| chr3       | 114598001      | 114603000    | 0.000943857 |
| chr3       | 114599001      | 114604000    | 0.001095638 |
| chr3       | 114600001      | 114605000    | 0.001466706 |
| chr3       | 114601001      | 114606000    | 0.001156675 |
| chr3       | 114602001      | 114607000    | 0.000805967 |
| chr3       | 114603001      | 114608000    | 0.000798338 |
| chr3       | 114604001      | 114609000    | 0.000798338 |
| chr3       | 114605001      | 114610000    | 6.17E-05    |
| chr3       | 114606001      | 114611000    | 9.98E-06    |
| chr3       | 114607001      | 114612000    | 1.46E-05    |
| chr3       | 114608001      | 114613000    | 0.000834086 |
| chr3       | 114609001      | 114614000    | 0.000823571 |
| chr3       | 114610001      | 114615000    | 0.002389839 |
| chr3       | 114611001      | 114616000    | 7.35E-05    |
| chr3       | 114612001      | 114617000    | 0.000597759 |
| chr3       | 114613001      | 114618000    | 4.24E-09    |
| chr3       | 114614001      | 114619000    | 6.72E-09    |
| chr3       | 114615001      | 114620000    | 2.73E-06    |
| chr3       | 114616001      | 114621000    | 0.00080383  |
| chr3       | 114617001      | 114622000    | 0.00103436  |
| chr3       | 114618001      | 114623000    | 0.001137113 |
| chr3       | 114619001      | 114624000    | 0.000236405 |
| chr3       | 114620001      | 114625000    | 0.001825912 |
| chr3       | 114621001      | 114626000    | 0.001059221 |
| chr3       | 114622001      | 114627000    | 0.002649224 |
| Chromosome | Start Position | End Position | Log10(p-value) |
|------------|----------------|--------------|---------------|
| chr3       | 120315001      | 120320000    | 2.07E-20      |
| chr3       | 120457001      | 120462000    | 3.34E-29      |
| chr3       | 120627001      | 120632000    | 6.86E-24      |
| chr3       | 120667001      | 120672000    | 9.63E-13      |
| chr3       | 120668001      | 120673000    | 8.62E-12      |
| chr3       | 120807001      | 120812000    | 2.10E-06      |
| chr3       | 120914001      | 120919000    | 1.26E-08      |
| chr3       | 120963001      | 120968000    | 0.000192453   |
| chr3       | 120986001      | 120991000    | 0.016543308   |
| chr3       | 121052001      | 121057000    | 7.16E-07      |
| chr3       | 121062001      | 121067000    | 8.97E-07      |
| chr3       | 121063001      | 121068000    | 5.54E-09      |
| chr3       | 121102001      | 121107000    | 0.000193684   |
| chr3       | 121260001      | 121265000    | 2.18E-17      |
| chr3       | 121463001      | 121468000    | 1.51E-09      |
| chr3       | 121554001      | 121559000    | 1.94E-37      |
| chr3       | 121662001      | 121667000    | 0.001150909   |
| chr3       | 121663001      | 121668000    | 3.35E-06      |
| chr3       | 121664001      | 121669000    | 5.18E-05      |
| chr3       | 121741001      | 121746000    | 4.40E-15      |
| chr3       | 121748001      | 121753000    | 0.000996659   |
| chr3       | 121750001      | 121755000    | 0.000401957   |
| chr3       | 121751001      | 121756000    | 2.24E-05      |
| chr3       | 121752001      | 121757000    | 2.59E-05      |
| chr3       | 121754001      | 121759000    | 5.04E-05      |
| chr3       | 121755001      | 121760000    | 4.66E-05      |
| chr3       | 121756001      | 121761000    | 0.006261412   |
| chr3       | 121784001      | 121789000    | 0.000269286   |
| chr3       | 121898001      | 121903000    | 7.02E-09      |
| chr3       | 122074001      | 122079000    | 1.07E-05      |
| chr3       | 122103001      | 122108000    | 1.03E-23      |
| chr3       | 122113001      | 122118000    | 2.57E-05      |
| chr3       | 122130001      | 122135000    | 8.88E-17      |
| chr3       | 122228001      | 122233000    | 6.74E-13      |
| chr3       | 122279001      | 122284000    | 7.21E-34      |
| chr3       | 122280001      | 122285000    | 7.44E-15      |
| chr3       | 122281001      | 122286000    | 4.88E-14      |
| chr3       | 122282001      | 122287000    | 8.49E-15      |
| chr3       | 122283001      | 122288000    | 1.53E-11      |
| chr3       | 122514001      | 122519000    | 1.65E-44      |
| chr3       | 122742001      | 122747000    | 4.54E-10      |
| chr3       | 122743001      | 122748000    | 2.73E-08      |
| chr3       | 122746001      | 122751000    | 5.01E-13      |
| chr3       | 122781001      | 122786000    | 8.18E-19      |
| chr3       | 122782001      | 122787000    | 1.14E-31      |
| chr3       | 122916001      | 122921000    | 1.20E-28      |
| chr3       | 122917001      | 122922000    | 7.95E-30      |
| chr3       | 122918001      | 122923000    | 2.05E-39      |
| chr3 | 122919001 | 122924000 | 2.92E-37 |
| chr3 | 122920001 | 122925000 | 2.59E-42 |
| chr3 | 122921001 | 122926000 | 1.70E-26 |
| chr3 | 123601001 | 123606000 | 2.13E-16 |
| chr3 | 123602001 | 123607000 | 1.09E-16 |
| chr3 | 123603001 | 123608000 | 1.62E-24 |
| chr3 | 123694001 | 123699000 | 1.89E-08 |
| chr3 | 123747001 | 123752000 | 3.04E-16 |
| chr3 | 123748001 | 123753000 | 6.18E-12 |
| chr3 | 123749001 | 123754000 | 1.84E-07 |
| chr3 | 123931001 | 123936000 | 3.27E-05 |
| chr3 | 123932001 | 123937000 | 9.74E-05 |
| chr3 | 123933001 | 123938000 | 6.03E-05 |
| chr3 | 124110001 | 124115000 | 3.30E-06 |
| chr3 | 124595001 | 124600000 | 2.98E-05 |
| chr3 | 124601001 | 124606000 | 5.14E-24 |
| chr3 | 124602001 | 124607000 | 1.75E-23 |
| chr3 | 124603001 | 124608000 | 1.50E-18 |
| chr3 | 124604001 | 124609000 | 5.23E-37 |
| chr3 | 124605001 | 124610000 | 9.27E-24 |
| chr3 | 124771001 | 124776000 | 8.29E-14 |
| chr3 | 124772001 | 124777000 | 4.89E-16 |
| chr3 | 124773001 | 124778000 | 7.72E-20 |
| chr3 | 124774001 | 124779000 | 9.80E-26 |
| chr3 | 124860001 | 124865000 | 4.22E-07 |
| chr3 | 125071001 | 125076000 | 2.46E-12 |
| chr3 | 125072001 | 125077000 | 1.79E-14 |
| chr3 | 125073001 | 125078000 | 4.34E-07 |
| chr3 | 125091001 | 125096000 | 3.08E-32 |
| chr3 | 125092001 | 125097000 | 1.38E-36 |
| chr3 | 125094001 | 125099000 | 7.86E-25 |
| chr3 | 125236001 | 125241000 | 6.67E-19 |
| chr3 | 125237001 | 125242000 | 5.08E-17 |
| chr3 | 125238001 | 125243000 | 5.47E-19 |
| chr3 | 125239001 | 125244000 | 1.26E-12 |
| chr3 | 125314001 | 125319000 | 5.20E-32 |
| chr3 | 125385001 | 125390000 | 0.016917854 |
| chr3 | 125523001 | 125528000 | 1.10E-07 |
| chr3 | 125524001 | 125529000 | 2.23E-08 |
| chr3 | 125631001 | 125636000 | 1.91E-14 |
| chr3 | 125802001 | 125807000 | 2.58E-17 |
| chr3 | 125883001 | 125888000 | 0.003535971 |
| chr3 | 125899001 | 125904000 | 1.98E-11 |
| chr3 | 125912001 | 125917000 | 0.013932481 |
| chr3 | 125957001 | 125962000 | 0.009065781 |
| chr3 | 125958001 | 125963000 | 0.012398688 |
| chr3 | 126002001 | 126007000 | 2.56E-14 |
| chr3 | 126028001 | 126033000 | 6.11E-13 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr3       | 126369001      | 126374000    | 5.43E-70 |
| chr3       | 126418001      | 126423000    | 8.73E-16 |
| chr3       | 126419001      | 126424000    | 2.99E-24 |
| chr3       | 126420001      | 126425000    | 9.39E-27 |
| chr3       | 126421001      | 126426000    | 4.53E-22 |
| chr3       | 126697001      | 126702000    | 3.96E-18 |
| chr3       | 126698001      | 126703000    | 1.57E-28 |
| chr3       | 126699001      | 126704000    | 3.11E-19 |
| chr3       | 127219001      | 127224000    | 0.003625544 |
| chr3       | 127313001      | 127318000    | 9.13E-18 |
| chr3       | 127314001      | 127319000    | 1.46E-16 |
| chr3       | 127315001      | 127320000    | 2.80E-20 |
| chr3       | 127316001      | 127321000    | 3.11E-24 |
| chr3       | 127317001      | 127322000    | 1.66E-18 |
| chr3       | 127541001      | 127546000    | 2.99E-22 |
| chr3       | 127766001      | 127771000    | 2.59E-40 |
| chr3       | 127767001      | 127772000    | 2.29E-45 |
| chr3       | 127768001      | 127773000    | 3.97E-30 |
| chr3       | 127769001      | 127774000    | 8.16E-31 |
| chr3       | 127771001      | 127776000    | 3.94E-35 |
| chr3       | 127868001      | 127873000    | 5.24E-26 |
| chr3       | 127869001      | 127874000    | 1.54E-18 |
| chr3       | 127870001      | 127875000    | 6.89E-28 |
| chr3       | 127871001      | 127876000    | 7.49E-37 |
| chr3       | 127872001      | 127877000    | 9.94E-43 |
| chr3       | 128395001      | 128400000    | 2.19E-21 |
| chr3       | 128396001      | 128401000    | 7.03E-28 |
| chr3       | 128397001      | 128402000    | 6.74E-18 |
| chr3       | 128398001      | 128403000    | 1.29E-17 |
| chr3       | 128399001      | 128404000    | 3.52E-13 |
| chr3       | 128440001      | 128445000    | 1.13E-11 |
| chr3       | 128875001      | 128880000    | 8.38E-10 |
| chr3       | 128993001      | 128998000    | 2.82E-29 |
| chr3       | 128994001      | 128999000    | 1.32E-49 |
| chr3       | 128995001      | 129000000    | 8.70E-35 |
| chr3       | 128996001      | 129001000    | 1.01E-33 |
| chr3       | 128997001      | 129002000    | 3.29E-36 |
| chr3       | 128998001      | 129003000    | 1.40E-28 |
| chr3       | 129145001      | 129150000    | 6.68E-17 |
| chr3       | 129146001      | 129151000    | 2.48E-37 |
| chr3       | 129147001      | 129152000    | 9.61E-37 |
| chr3       | 129154001      | 129159000    | 4.37E-29 |
| chr3       | 129155001      | 129160000    | 1.26E-29 |
| chr3       | 129345001      | 129350000    | 1.44E-27 |
| chr3       | 129346001      | 129351000    | 1.22E-27 |
| chr3       | 129368001      | 129373000    | 1.89E-08 |
| chr3       | 129509001      | 129514000    | 4.50E-14 |
| chr3       | 129607001      | 129612000    | 1.82E-30 |
| chr3 | start  | end    | p-value       |
|------|--------|--------|---------------|
| 1     | 129608001 | 129610000 | 8.19E-35      |
| 1     | 129609001 | 129611000 | 3.34E-42      |
| 1     | 129610001 | 129612000 | 2.39E-34      |
| 1     | 129611001 | 129613000 | 4.04E-20      |
| 1     | 129612001 | 129614000 | 5.78E-16      |
| 1     | 129908001 | 129910000 | 6.18E-08      |
| 1     | 130035001 | 130037000 | 0.006517691   |
| 1     | 130036001 | 130038000 | 0.006209696   |
| 1     | 130037001 | 130039000 | 0.007742936   |
| 1     | 130056001 | 130058000 | 0.010321181   |
| 1     | 130190001 | 130192000 | 0.010959626   |
| 1     | 130196001 | 130200000 | 6.33E-06      |
| 1     | 130210001 | 130214000 | 1.18E-06      |
| 1     | 130231001 | 130235000 | 7.55E-20      |
| 1     | 130233001 | 130237000 | 7.95E-30      |
| 1     | 130234001 | 130238000 | 3.53E-43      |
| 1     | 130235001 | 130239000 | 4.97E-56      |
| 1     | 130236001 | 130240000 | 6.31E-44      |
| 1     | 130250001 | 130254000 | 4.58E-05      |
| 1     | 130260001 | 130264000 | 4.96E-06      |
| 1     | 130270001 | 130274000 | 5.97E-05      |
| 1     | 130325001 | 130329000 | 0.0051618     |
| 1     | 130326001 | 130330000 | 9.23E-05      |
| 1     | 130332001 | 130336000 | 5.79E-05      |
| 1     | 130333001 | 130337000 | 8.92E-05      |
| 1     | 130442001 | 130446000 | 5.29E-07      |
| 1     | 130593001 | 130597000 | 1.01E-08      |
| 1     | 130594001 | 130598000 | 1.38E-06      |
| 1     | 130613001 | 130617000 | 6.63E-18      |
| 1     | 130743001 | 130747000 | 6.49E-29      |
| 1     | 130744001 | 130748000 | 2.52E-32      |
| 1     | 130745001 | 130750000 | 3.86E-35      |
| 1     | 130797001 | 130801000 | 0.002913393   |
| 1     | 130799001 | 130803000 | 5.69E-05      |
| 1     | 130800001 | 130804000 | 0.000179548   |
| 1     | 131076001 | 131080000 | 1.77E-18      |
| 1     | 131077001 | 131081000 | 1.01E-18      |
| 1     | 131078001 | 131082000 | 3.04E-11      |
| 1     | 131079001 | 131083000 | 9.31E-17      |
| 1     | 131080001 | 131084000 | 5.02E-19      |
| 1     | 131081001 | 131085000 | 1.67E-13      |
| 1     | 131096001 | 131100000 | 6.87E-41      |
| 1     | 131097001 | 131101000 | 7.88E-36      |
| 1     | 131098001 | 131102000 | 6.71E-28      |
| 1     | 131099001 | 131103000 | 2.25E-16      |
| 1     | 131100001 | 131105000 | 3.91E-12      |
| 1     | 131135001 | 131140000 | 0.016403494   |
| 1     | 131138001 | 131143000 | 0.00638077    |
| Chromosome | Start Base | End Base | Score |
|------------|------------|----------|-------|
| chr3       | 131420001  | 131425000| 0.017521854 |
| chr3       | 131703001  | 131708000| 0.007182795 |
| chr3       | 131704001  | 131709000| 0.002870809 |
| chr3       | 131705001  | 131710000| 0.002833909 |
| chr3       | 132131001  | 132136000| 5.12E-16 |
| chr3       | 132132001  | 132137000| 2.73E-51 |
| chr3       | 132374001  | 132379000| 3.58E-22 |
| chr3       | 132432001  | 132437000| 2.39E-07 |
| chr3       | 132433001  | 132438000| 5.23E-06 |
| chr3       | 132434001  | 132439000| 3.03E-06 |
| chr3       | 132436001  | 132441000| 2.52E-19 |
| chr3       | 132437001  | 132442000| 1.23E-42 |
| chr3       | 132438001  | 132443000| 4.27E-47 |
| chr3       | 132439001  | 132444000| 8.73E-46 |
| chr3       | 132440001  | 132445000| 9.45E-45 |
| chr3       | 132441001  | 132446000| 4.99E-38 |
| chr3       | 132644001  | 132649000| 0.005060542 |
| chr3       | 132645001  | 132650000| 0.000320147 |
| chr3       | 132646001  | 132651000| 0.000581994 |
| chr3       | 132648001  | 132653000| 0.000291228 |
| chr3       | 132731001  | 132736000| 5.66E-05 |
| chr3       | 132753001  | 132758000| 6.24E-41 |
| chr3       | 132789001  | 132794000| 0.012057958 |
| chr3       | 132790001  | 132795000| 0.000312675 |
| chr3       | 132810001  | 132815000| 1.22E-05 |
| chr3       | 132811001  | 132816000| 1.98E-05 |
| chr3       | 132859001  | 132864000| 0.011912438 |
| chr3       | 132860001  | 132865000| 0.001697639 |
| chr3       | 133520001  | 133525000| 1.21E-24 |
| chr3       | 133521001  | 133526000| 8.26E-30 |
| chr3       | 133522001  | 133527000| 6.92E-39 |
| chr3       | 133523001  | 133528000| 1.34E-31 |
| chr3       | 133744001  | 133749000| 1.66E-40 |
| chr3       | 133745001  | 133750000| 1.02E-39 |
| chr3       | 133746001  | 133751000| 1.22E-35 |
| chr3       | 133747001  | 133752000| 3.85E-30 |
| chr3       | 133748001  | 133753000| 1.25E-37 |
| chr3       | 134028001  | 134033000| 6.64E-06 |
| chr3       | 134487001  | 134492000| 0.001047363 |
| chr3       | 134500001  | 134505000| 0.000356771 |
| chr3       | 134908001  | 134913000| 1.77E-06 |
| chr3       | 134910001  | 134915000| 2.18E-06 |
| chr3       | 134970001  | 134975000| 2.52E-10 |
| chr3       | 135134001  | 135139000| 9.50E-05 |
| chr3       | 135135001  | 135140000| 5.89E-06 |
| chr3       | 135136001  | 135141000| 0.000672072 |
| chr3       | 135153001  | 135158000| 1.78E-05 |
| chr3       | 135312001  | 135317000| 0.000244702 |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr3       | 135313001 | 135318000 | 0.003770429 |
| chr3       | 135314001 | 135319000 | 4.56E-05   |
| chr3       | 135315001 | 135320000 | 3.41E-05   |
| chr3       | 135316001 | 135321000 | 2.36E-08   |
| chr3       | 135556001 | 135561000 | 0.000208794 |
| chr3       | 135680001 | 135685000 | 6.25E-18   |
| chr3       | 135681001 | 135686000 | 4.40E-26   |
| chr3       | 135682001 | 135687000 | 6.76E-47   |
| chr3       | 135683001 | 135688000 | 4.93E-48   |
| chr3       | 135684001 | 135689000 | 2.15E-41   |
| chr3       | 135685001 | 135690000 | 3.11E-24   |
| chr3       | 135700001 | 135705000 | 9.23E-09   |
| chr3       | 135701001 | 135706000 | 7.30E-09   |
| chr3       | 135718001 | 135723000 | 4.98E-05   |
| chr3       | 135838001 | 135843000 | 0.000679212 |
| chr3       | 135965001 | 135970000 | 2.12E-13   |
| chr3       | 136237001 | 136242000 | 3.67E-06   |
| chr3       | 136238001 | 136243000 | 4.37E-06   |
| chr3       | 136538001 | 136543000 | 8.75E-40   |
| chr3       | 136539001 | 136544000 | 2.74E-17   |
| chr3       | 136576001 | 136581000 | 1.45E-10   |
| chr3       | 136577001 | 136582000 | 2.32E-10   |
| chr3       | 136580001 | 136585000 | 1.54E-18   |
| chr3       | 136581001 | 136586000 | 2.89E-14   |
| chr3       | 136859001 | 136864000 | 3.68E-08   |
| chr3       | 137024001 | 137029000 | 0.00183602 |
| chr3       | 137025001 | 137030000 | 5.04E-05   |
| chr3       | 137026001 | 137031000 | 4.14E-06   |
| chr3       | 137032001 | 137037000 | 2.90E-08   |
| chr3       | 137040001 | 137045000 | 6.33E-07   |
| chr3       | 137041001 | 137046000 | 2.67E-07   |
| chr3       | 137042001 | 137047000 | 1.42E-07   |
| chr3       | 137082001 | 137087000 | 1.49E-05   |
| chr3       | 137083001 | 137088000 | 8.94E-07   |
| chr3       | 137088001 | 137093000 | 1.29E-08   |
| chr3       | 137099001 | 137104000 | 6.59E-07   |
| chr3       | 137100001 | 137105000 | 6.51E-06   |
| chr3       | 137132001 | 137137000 | 3.99E-13   |
| chr3       | 137150001 | 137155000 | 2.72E-08   |
| chr3       | 137151001 | 137156000 | 4.45E-09   |
| chr3       | 137152001 | 137157000 | 1.02E-08   |
| chr3       | 137153001 | 137158000 | 1.54E-05   |
| chr3       | 137154001 | 137159000 | 9.15E-06   |
| chr3       | 137155001 | 137160000 | 2.69E-05   |
| chr3       | 137156001 | 137161000 | 1.37E-05   |
| chr3       | 137192001 | 137197000 | 0.000231181 |
| chr3       | 137193001 | 137198000 | 3.24E-06   |
| Chr | Start | End   | Score   |
|-----|-------|-------|---------|
| chr3 | 137194001 | 137199000 | 1.13E-06 |
| chr3 | 137214001 | 137219000 | 0.001600383 |
| chr3 | 137216001 | 137221000 | 0.002904873 |
| chr3 | 137230001 | 137235000 | 0.003124977 |
| chr3 | 137231001 | 137236000 | 0.003482232 |
| chr3 | 137258001 | 137263000 | 9.27E-05 |
| chr3 | 137266001 | 137271000 | 0.00104055 |
| chr3 | 137276001 | 137281000 | 9.98E-09 |
| chr3 | 137434001 | 137439000 | 4.43E-05 |
| chr3 | 137516001 | 137521000 | 0.00011739 |
| chr3 | 137517001 | 137522000 | 1.35E-06 |
| chr3 | 137518001 | 137523000 | 2.46E-06 |
| chr3 | 137528001 | 137533000 | 0.007764408 |
| chr3 | 137541001 | 137546000 | 0.000118352 |
| chr3 | 137554001 | 137559000 | 1.48E-10 |
| chr3 | 137555001 | 137560000 | 6.26E-07 |
| chr3 | 137651001 | 137656000 | 0.000801839 |
| chr3 | 137654001 | 137659000 | 0.001072007 |
| chr3 | 137655001 | 137660000 | 9.22E-09 |
| chr3 | 137656001 | 137661000 | 5.11E-09 |
| chr3 | 137687001 | 137692000 | 3.74E-08 |
| chr3 | 137688001 | 137693000 | 1.44E-14 |
| chr3 | 137689001 | 137694000 | 9.64E-13 |
| chr3 | 137690001 | 137695000 | 9.78E-14 |
| chr3 | 137829001 | 137834000 | 3.21E-13 |
| chr3 | 137906001 | 137911000 | 4.59E-40 |
| chr3 | 138029001 | 138034000 | 0.000613743 |
| chr3 | 138067001 | 138072000 | 7.05E-13 |
| chr3 | 138309001 | 138314000 | 7.40E-33 |
| chr3 | 138313001 | 138318000 | 4.24E-34 |
| chr3 | 138323001 | 138328000 | 1.77E-05 |
| chr3 | 138327001 | 138332000 | 1.75E-21 |
| chr3 | 138422001 | 138427000 | 7.77E-09 |
| chr3 | 138423001 | 138428000 | 1.22E-08 |
| chr3 | 138424001 | 138429000 | 2.24E-08 |
| chr3 | 138746001 | 138751000 | 5.95E-09 |
| chr3 | 138747001 | 138752000 | 9.80E-08 |
| chr3 | 138790001 | 138795000 | 0.000236179 |
| chr3 | 138791001 | 138796000 | 0.005800748 |
| chr3 | 138960001 | 138965000 | 0.023816203 |
| chr3 | 139063001 | 139068000 | 8.06E-22 |
| chr3 | 139109001 | 139114000 | 1.09E-10 |
| chr3 | 139214001 | 139219000 | 6.11E-06 |
| chr3 | 139215001 | 139220000 | 7.69E-05 |
| chr3 | 139392001 | 139397000 | 6.41E-21 |
| chr3 | 139393001 | 139398000 | 1.15E-31 |
| Chromosome | Start Position | End Position | Log10 P-value |
|------------|----------------|--------------|--------------|
| chr3       | 139394001      | 139399000    | 1.26E-30     |
| chr3       | 139395001      | 139400000    | 7.55E-29     |
| chr3       | 139396001      | 139401000    | 3.19E-38     |
| chr3       | 139430001      | 139435000    | 0.000250498  |
| chr3       | 139431001      | 139436000    | 0.000669938  |
| chr3       | 139439001      | 139444000    | 0.000404212  |
| chr3       | 139559001      | 139564000    | 3.70E-05     |
| chr3       | 139646001      | 139651000    | 4.48E-06     |
| chr3       | 139647001      | 139652000    | 2.06E-08     |
| chr3       | 139649001      | 139654000    | 1.04E-27     |
| chr3       | 139650001      | 139655000    | 4.55E-38     |
| chr3       | 139712001      | 139717000    | 4.49E-11     |
| chr3       | 139824001      | 139829000    | 0.000502647  |
| chr3       | 140051001      | 140056000    | 6.82E-06     |
| chr3       | 140373001      | 140378000    | 6.41E-06     |
| chr3       | 140482001      | 140487000    | 2.93E-06     |
| chr3       | 140483001      | 140488000    | 3.39E-09     |
| chr3       | 140484001      | 140489000    | 4.49E-09     |
| chr3       | 140485001      | 140490000    | 4.05E-09     |
| chr3       | 140486001      | 140491000    | 1.41E-09     |
| chr3       | 140500001      | 140505000    | 0.000521027  |
| chr3       | 140501001      | 140506000    | 0.000423038  |
| chr3       | 140502001      | 140507000    | 0.000291682  |
| chr3       | 140503001      | 140508000    | 0.003936392  |
| chr3       | 140519001      | 140524000    | 2.70E-10     |
| chr3       | 140544001      | 140549000    | 0.00088671   |
| chr3       | 140545001      | 140550000    | 0.000214592  |
| chr3       | 140654001      | 140659000    | 5.40E-07     |
| chr3       | 140655001      | 140660000    | 3.24E-08     |
| chr3       | 140656001      | 140661000    | 1.58E-53     |
| chr3       | 140657001      | 140662000    | 2.59E-63     |
| chr3       | 140658001      | 140663000    | 8.69E-59     |
| chr3       | 140659001      | 140664000    | 8.46E-76     |
| chr3       | 140660001      | 140665000    | 1.27E-57     |
| chr3       | 140661001      | 140666000    | 2.95E-31     |
| chr3       | 140718001      | 140723000    | 0.000450416  |
| chr3       | 140950001      | 140955000    | 2.04E-12     |
| chr3       | 140951001      | 140956000    | 8.98E-18     |
| chr3       | 141028001      | 141033000    | 6.01E-24     |
| chr3       | 141029001      | 141034000    | 2.45E-25     |
| chr3       | 141030001      | 141035000    | 3.50E-45     |
| chr3       | 141081001      | 141086000    | 8.81E-07     |
| chr3       | 141121001      | 141126000    | 6.70E-46     |
| chr3       | 141201001      | 141206000    | 7.88E-24     |
| chr3       | 141202001      | 141207000    | 8.58E-38     |
| chr3       | 141206001      | 141211000    | 4.17E-29     |
| chr3       | 141377001      | 141382000    | 2.47E-16     |
| chr3       | 141379001      | 141384000    | 4.50E-16     |
| Chromosome | Start | End | p-value       |
|------------|-------|-----|--------------|
| chr3      | 158285001 | 158290000 | 7.71E-56     |
| chr3      | 158289001 | 158294000 | 2.18E-36     |
| chr3      | 158832001 | 158837000 | 1.27E-05     |
| chr3      | 159130001 | 159135000 | 8.30E-05     |
| chr3      | 159702001 | 159707000 | 4.35E-28     |
| chr3      | 159706001 | 159711000 | 2.08E-26     |
| chr3      | 160818001 | 160823000 | 1.21E-68     |
| chr3      | 160819001 | 160824000 | 2.57E-72     |
| chr3      | 160820001 | 160825000 | 2.58E-76     |
| chr3      | 160821001 | 160826000 | 4.43E-75     |
| chr3      | 160822001 | 160827000 | 4.22E-56     |
| chr3      | 160823001 | 160828000 | 1.03E-45     |
| chr3      | 161085001 | 161090000 | 5.84E-46     |
| chr3      | 163157001 | 163162000 | 0.009317711  |
| chr3      | 163727001 | 163732000 | 0.000466218  |
| chr3      | 164773001 | 164778000 | 0.023791677  |
| chr3      | 165010001 | 165015000 | 0.000108611  |
| chr3      | 165194001 | 165199000 | 1.14E-16     |
| chr3      | 166192001 | 166197000 | 0.018317776  |
| chr3      | 167097001 | 167102000 | 1.27E-27     |
| chr3      | 167098001 | 167103000 | 3.50E-27     |
| chr3      | 167762001 | 167767000 | 0.002117666  |
| chr3      | 168867001 | 168872000 | 1.21E-40     |
| chr3      | 168873001 | 168878000 | 3.81E-08     |
| chr3      | 168874001 | 168879000 | 1.92E-08     |
| chr3      | 169061001 | 169066000 | 1.07E-07     |
| chr3      | 169062001 | 169067000 | 4.54E-07     |
| chr3      | 169106001 | 169111000 | 0.010516672  |
| chr3      | 169165001 | 169170000 | 0.010553359  |
| chr3      | 169290001 | 169295000 | 7.21E-10     |
| chr3      | 169291001 | 169296000 | 4.22E-12     |
| chr3      | 169292001 | 169297000 | 2.18E-12     |
| chr3      | 169293001 | 169298000 | 3.05E-12     |
| chr3      | 169478001 | 169483000 | 9.19E-58     |
| chr3      | 169479001 | 169484000 | 1.26E-73     |
| chr3      | 169480001 | 169485000 | 2.80E-85     |
| chr3      | 169481001 | 169486000 | 3.96E-60     |
| chr3      | 169482001 | 169487000 | 9.74E-62     |
| chr3      | 169483001 | 169488000 | 3.02E-45     |
| chr3      | 169484001 | 169489000 | 6.31E-34     |
| chr3      | 169526001 | 169531000 | 6.96E-56     |
| chr3      | 169756001 | 169761000 | 1.06E-31     |
| chr3      | 169825001 | 169830000 | 3.87E-26     |
| chr3      | 169826001 | 169831000 | 5.30E-21     |
| chr3      | 169827001 | 169832000 | 1.14E-17     |
| chr3      | 169828001 | 169833000 | 8.45E-18     |
| chr3      | 169829001 | 169834000 | 3.25E-16     |
| chr3      | 169938001 | 169943000 | 8.08E-50     |
| chr | start | end   | p_value   |
|-----|-------|-------|-----------|
| chr3 | 16993001 | 16994000 | 1.69E-70   |
| chr3 | 16994001 | 16994500 | 3.06E-108  |
| chr3 | 17007001 | 17007500 | 5.53E-44   |
| chr3 | 17007100 | 17007600 | 5.53E-77   |
| chr3 | 17051200 | 17051700 | 8.69E-05   |
| chr3 | 17058800 | 17059300 | 5.61E-31   |
| chr3 | 17062100 | 17062600 | 3.09E-30   |
| chr3 | 17065700 | 17066200 | 1.22E-05   |
| chr3 | 17079100 | 17079600 | 0.00674021 |
| chr3 | 17079200 | 17079700 | 0.00709014 |
| chr3 | 17089500 | 17090000 | 6.42E-11   |
| chr3 | 17089600 | 17090100 | 1.23E-15   |
| chr3 | 17089700 | 17090200 | 2.30E-15   |
| chr3 | 17089800 | 17090300 | 2.32E-09   |
| chr3 | 17090400 | 17090900 | 0.00034426 |
| chr3 | 17093300 | 17093800 | 0.00069973 |
| chr3 | 17096800 | 17097300 | 4.34E-11   |
| chr3 | 17096900 | 17097400 | 1.46E-09   |
| chr3 | 17098000 | 17098500 | 2.54E-06   |
| chr3 | 17098100 | 17098600 | 3.03E-07   |
| chr3 | 17098200 | 17098700 | 2.57E-05   |
| chr3 | 17101400 | 17101900 | 0.00058313 |
| chr3 | 17110000 | 17110500 | 1.57E-07   |
| chr3 | 17110100 | 17110600 | 3.93E-08   |
| chr3 | 17110200 | 17110700 | 2.39E-10   |
| chr3 | 17110300 | 17110800 | 3.32E-06   |
| chr3 | 17112500 | 17113000 | 3.00E-12   |
| chr3 | 17112600 | 17113100 | 4.45E-12   |
| chr3 | 17132100 | 17132600 | 3.00E-05   |
| chr3 | 17132200 | 17132700 | 0.00014755 |
| chr3 | 17132300 | 17132800 | 2.26E-05   |
| chr3 | 17152800 | 17153300 | 7.57E-43   |
| chr3 | 17295100 | 17295600 | 0.00115289 |
| chr3 | 17311600 | 17312100 | 1.07E-10   |
| chr3 | 17415900 | 17416400 | 2.73E-46   |
| chr3 | 17499600 | 17500100 | 0.02054296 |
| chr3 | 17745500 | 17746000 | 0.00035458 |
| chr3 | 17793300 | 17793800 | 1.42E-07   |
| chr3 | 17793400 | 17793900 | 2.17E-07   |
| chr3 | 17793500 | 17794000 | 2.07E-08   |
| chr3 | 17793600 | 17794100 | 9.04E-11   |
| chr3 | 17833800 | 17834300 | 0.00416632 |
| chr3 | 17843800 | 17844300 | 0.00270367 |
| chr3 | 17849300 | 17849800 | 4.87E-07   |
| chr3 | 17878500 | 17879000 | 5.74E-07   |
| chr3 | 17889300 | 17889800 | 1.90E-05   |
| chr3 | 17889400 | 17889900 | 6.70E-08   |
| chr3 | 17889500 | 17890000 | 8.26E-07   |
| Chromosome | Start Position | End Position | Log2 Fold Change |
|------------|---------------|-------------|-----------------|
| chr3       | 178896001     | 178901000   | 8.07E-06        |
| chr3       | 178975001     | 178980000   | 3.24E-31        |
| chr3       | 179025001     | 179030000   | 0.003456351     |
| chr3       | 179207001     | 179212000   | 4.44E-05        |
| chr3       | 179318001     | 179323000   | 1.41E-36        |
| chr3       | 179972001     | 179977000   | 0.001565073     |
| chr3       | 180322001     | 180325000   | 2.95E-44        |
| chr3       | 181181001     | 181186000   | 0.000323258     |
| chr3       | 181238001     | 181243000   | 0.000370379     |
| chr3       | 181295001     | 181300000   | 0.009000872     |
| chr3       | 181313001     | 181318000   | 1.04E-05        |
| chr3       | 181314001     | 181319000   | 1.96E-06        |
| chr3       | 181439001     | 181444000   | 1.54E-48        |
| chr3       | 181440001     | 181445000   | 9.87E-86        |
| chr3       | 182512001     | 182517000   | 1.75E-15        |
| chr3       | 182698001     | 182703000   | 6.44E-34        |
| chr3       | 182813001     | 182818000   | 4.32E-73        |
| chr3       | 182972001     | 182977000   | 3.85E-85        |
| chr3       | 183142001     | 183147000   | 5.09E-57        |
| chr3       | 183143001     | 183148000   | 5.66E-41        |
| chr3       | 183144001     | 183149000   | 3.82E-55        |
| chr3       | 183411001     | 183416000   | 3.47E-25        |
| chr3       | 183539001     | 183544000   | 3.90E-40        |
| chr3       | 183542001     | 183547000   | 1.28E-33        |
| chr3       | 184028001     | 184033000   | 2.55E-31        |
| chr3       | 184425001     | 184430000   | 6.67E-29        |
| chr3       | 184525001     | 184530000   | 1.09E-10        |
| chr3       | 184526001     | 184531000   | 5.80E-28        |
| chr3       | 184527001     | 184532000   | 2.67E-34        |
| chr3       | 184528001     | 184533000   | 5.83E-37        |
| chr3       | 184529001     | 184534000   | 2.98E-31        |
| chr3       | 184530001     | 184535000   | 5.97E-38        |
| chr3       | 184866001     | 184871000   | 3.45E-42        |
| chr3       | 185531001     | 185536000   | 5.93E-09        |
| chr3       | 185543001     | 185548000   | 8.71E-79        |
| chr3       | 186280001     | 186285000   | 5.09E-22        |
| chr3       | 186365001     | 186370000   | 0.001692172     |
| chr3       | 186420001     | 186425000   | 9.18E-07        |
| chr3       | 186644001     | 186649000   | 9.47E-52        |
| chr3       | 186857001     | 186862000   | 2.26E-41        |
| chr3       | 186883001     | 186888000   | 1.17E-09        |
| chr3       | 187090001     | 187095000   | 2.86E-08        |
| chr3       | 187103001     | 187108000   | 5.21E-05        |
| chr3       | 187104001     | 187109000   | 3.39E-06        |
| chr3       | 187105001     | 187110000   | 3.13E-07        |
| chr3       | 187106001     | 187111000   | 1.22E-07        |
| chr3       | 187168001     | 187173000   | 3.05E-06        |
| chr3       | 187196001     | 187201000   | 3.84E-06        |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr3       | 187468001      | 187473000    | 7.61E-08 |
| chr3       | 187967000      | 187972000    | 3.87E-06 |
| chr3       | 188109001      | 188114000    | 0.00100429 |
| chr3       | 188139001      | 188144000    | 4.68E-06 |
| chr3       | 188227001      | 188232000    | 0.00135959 |
| chr3       | 188295001      | 188300000    | 4.19E-07 |
| chr3       | 188296001      | 188301000    | 3.78E-10 |
| chr3       | 188297001      | 188302000    | 3.61E-10 |
| chr3       | 188329001      | 188334000    | 3.06E-05 |
| chr3       | 188330001      | 188335000    | 1.57E-06 |
| chr3       | 188331001      | 188336000    | 5.26E-07 |
| chr3       | 188332001      | 188337000    | 2.69E-09 |
| chr3       | 188333001      | 188338000    | 1.48E-11 |
| chr3       | 188343001      | 188348000    | 6.70E-06 |
| chr3       | 188404001      | 188409000    | 7.16E-12 |
| chr3       | 188405001      | 188410000    | 8.37E-10 |
| chr3       | 188453001      | 188458000    | 0.000565484 |
| chr3       | 188464001      | 188469000    | 9.45E-08 |
| chr3       | 188465001      | 188470000    | 1.06E-09 |
| chr3       | 188466001      | 188471000    | 3.86E-10 |
| chr3       | 188467001      | 188472000    | 3.45E-07 |
| chr3       | 188528001      | 188533000    | 8.67E-06 |
| chr3       | 188529001      | 188534000    | 7.30E-07 |
| chr3       | 188535001      | 188540000    | 2.82E-09 |
| chr3       | 188536001      | 188541000    | 1.54E-09 |
| chr3       | 188537001      | 188542000    | 6.81E-07 |
| chr3       | 188579001      | 188584000    | 0.00128704 |
| chr3       | 188580001      | 188585000    | 4.34E-07 |
| chr3       | 188581001      | 188586000    | 4.26E-07 |
| chr3       | 188582001      | 188587000    | 4.19E-06 |
| chr3       | 188583001      | 188588000    | 1.45E-06 |
| chr3       | 188727001      | 188732000    | 3.23E-05 |
| chr3       | 188805001      | 188810000    | 0.000751247 |
| chr3       | 188986001      | 188991000    | 3.68E-16 |
| chr3       | 188989001      | 188994000    | 1.61E-11 |
| chr3       | 188990001      | 188995000    | 3.79E-08 |
| chr3       | 189124001      | 189129000    | 1.94E-10 |
| chr3       | 189125001      | 189130000    | 2.63E-10 |
| chr3       | 189126001      | 189131000    | 1.81E-11 |
| chr3       | 189127001      | 189132000    | 3.42E-13 |
| chr3       | 189128001      | 189133000    | 1.28E-10 |
| chr3       | 189796001      | 189801000    | 2.74E-10 |
| chr3       | 189838001      | 189843000    | 1.21E-38 |
| chr3       | 189868001      | 189873000    | 3.82E-07 |
| chr3       | 189931001      | 189936000    | 0.001012458 |
| chr3       | 189942001      | 189947000    | 3.69E-05 |
| chr3       | 189944001      | 189949000    | 3.06E-07 |
| chr3       | 189945001      | 189950000    | 6.79E-09 |
| Chromosome | Start Position | End Position | P-value     |
|------------|----------------|--------------|-------------|
| chr3       | 189946001      | 189951000    | 0.00011652  |
| chr3       | 190010001      | 190015000    | 3.11E-05    |
| chr3       | 190138001      | 190143000    | 5.78E-11    |
| chr3       | 190139001      | 190144000    | 5.59E-09    |
| chr3       | 190140001      | 190145000    | 1.33E-07    |
| chr3       | 190141001      | 190146000    | 3.63E-07    |
| chr3       | 190142001      | 190147000    | 1.14E-06    |
| chr3       | 190170001      | 190175000    | 1.74E-06    |
| chr3       | 190227001      | 190232000    | 1.46E-09    |
| chr3       | 190242001      | 190247000    | 6.40E-06    |
| chr3       | 190294001      | 190299000    | 1.76E-09    |
| chr3       | 190343001      | 190348000    | 1.95E-06    |
| chr3       | 191047001      | 191052000    | 3.79E-37    |
| chr3       | 191310001      | 191315000    | 0.005219174 |
| chr3       | 191874001      | 191879000    | 8.75E-14    |
| chr3       | 191875001      | 191880000    | 4.22E-13    |
| chr3       | 191876001      | 191881000    | 6.18E-13    |
| chr3       | 192363001      | 192368000    | 0.005601109 |
| chr3       | 192440001      | 192445000    | 1.95E-15    |
| chr3       | 192888001      | 192893000    | 5.26E-14    |
| chr3       | 192941001      | 192946000    | 2.65E-06    |
| chr3       | 192954001      | 192959000    | 2.87E-59    |
| chr3       | 192955001      | 192960000    | 1.27E-93    |
| chr3       | 192956001      | 192961000    | 1.26E-75    |
| chr3       | 192957001      | 192962000    | 8.78E-66    |
| chr3       | 192959001      | 192964000    | 5.10E-36    |
| chr3       | 193051001      | 193056000    | 5.12E-08    |
| chr3       | 193103001      | 193108000    | 8.73E-10    |
| chr3       | 193126001      | 193131000    | 1.44E-06    |
| chr3       | 193157001      | 193162000    | 0.000177612 |
| chr3       | 193169001      | 193174000    | 1.87E-10    |
| chr3       | 193190001      | 193195000    | 2.39E-09    |
| chr3       | 193191001      | 193196000    | 3.31E-12    |
| chr3       | 193193001      | 193198000    | 7.72E-12    |
| chr3       | 193194001      | 193199000    | 3.21E-10    |
| chr3       | 193210001      | 193215000    | 6.19E-06    |
| chr3       | 193221001      | 193226000    | 0.000367575 |
| chr3       | 193222001      | 193227000    | 0.000101068 |
| chr3       | 193917001      | 193922000    | 1.92E-25    |
| chr3       | 194204001      | 194209000    | 2.99E-87    |
| chr3       | 194207001      | 194212000    | 1.09E-75    |
| chr3       | 194824001      | 194829000    | 6.61E-26    |
| chr3       | 194825001      | 194830000    | 5.07E-27    |
| chr3       | 194826001      | 194831000    | 6.95E-26    |
| chr3       | 194992001      | 194997000    | 1.49E-51    |
| chr3       | 195163001      | 195168000    | 1.86E-60    |
| chr3       | 195715001      | 195720000    | 2.73E-130   |
| chr3       | 196040001      | 196045000    | 5.48E-44    |
| chr | Start | End   | Log10(P) |
|-----|-------|-------|----------|
| chr3 | 196230001 | 196235000 | 3.05E-31 |
| chr3 | 196291001 | 196296000 | 1.04E-68 |
| chr3 | 196355001 | 196360000 | 3.10E-37 |
| chr3 | 196590001 | 196595000 | 3.21E-40 |
| chr3 | 196692001 | 196697000 | 1.59E-34 |
| chr3 | 197020001 | 197025000 | 6.95E-47 |
| chr3 | 197138001 | 197143000 | 3.28E-11 |
| chr4 | 21001 | 26000 | 4.73E-07 |
| chr4 | 22001 | 27000 | 5.24E-08 |
| chr4 | 89001 | 94000 | 0.000204808 |
| chr4 | 232001 | 237000 | 1.73E-16 |
| chr4 | 233001 | 238000 | 1.97E-19 |
| chr4 | 234001 | 239000 | 3.71E-20 |
| chr4 | 326001 | 331000 | 2.41E-25 |
| chr4 | 327001 | 332000 | 4.24E-24 |
| chr4 | 330001 | 335000 | 1.51E-21 |
| chr4 | 331001 | 336000 | 1.64E-27 |
| chr4 | 332001 | 337000 | 7.65E-21 |
| chr4 | 463001 | 468000 | 4.68E-29 |
| chr4 | 488001 | 493000 | 7.79E-35 |
| chr4 | 489001 | 494000 | 5.47E-31 |
| chr4 | 663001 | 668000 | 9.32E-16 |
| chr4 | 664001 | 669000 | 2.72E-45 |
| chr4 | 665001 | 670000 | 7.88E-34 |
| chr4 | 666001 | 671000 | 3.11E-30 |
| chr4 | 770001 | 775000 | 6.00E-22 |
| chr4 | 771001 | 776000 | 1.68E-41 |
| chr4 | 923001 | 928000 | 1.66E-22 |
| chr4 | 924001 | 929000 | 1.06E-39 |
| chr4 | 925001 | 930000 | 5.09E-40 |
| chr4 | 926001 | 931000 | 2.75E-27 |
| chr4 | 964001 | 969000 | 1.86E-13 |
| chr4 | 965001 | 970000 | 1.50E-10 |
| chr4 | 966001 | 971000 | 5.29E-18 |
| chr4 | 1003001 | 1008000 | 3.53E-07 |
| chr4 | 1103001 | 1108000 | 2.11E-10 |
| chr4 | 1152001 | 1157000 | 0.000140177 |
| chr4 | 1241001 | 1246000 | 9.51E-08 |
| chr4 | 1242001 | 1247000 | 3.63E-22 |
| chr4 | 1682001 | 1687000 | 2.51E-20 |
| chr4 | 1709001 | 1714000 | 1.53E-19 |
| chr4 | 1718001 | 1723000 | 1.54E-07 |
| chr4 | 1792001 | 1797000 | 9.03E-07 |
| chr4 | 1853001 | 1858000 | 2.16E-29 |
| chr4 | 1854001 | 1859000 | 6.97E-28 |
| chr4 | 1855001 | 1860000 | 2.08E-33 |
| chr4 | 1856001 | 1861000 | 1.04E-27 |
| chr4 | 1857001 | 1862000 | 7.99E-18 |
| chr4  | 1868001 | 1873000  | 1.15E-19 |
|-------|---------|----------|----------|
| chr4  | 1869001 | 1874000  | 1.78E-31 |
| chr4  | 1871001 | 1876000  | 3.52E-26 |
| chr4  | 2006001 | 2011000  | 1.41E-37 |
| chr4  | 2007001 | 2012000  | 1.31E-43 |
| chr4  | 2010001 | 2015000  | 9.09E-41 |
| chr4  | 2011001 | 2016000  | 4.22E-20 |
| chr4  | 2039001 | 2044000  | 1.01E-43 |
| chr4  | 2040001 | 2045000  | 7.74E-31 |
| chr4  | 2057001 | 2062000  | 1.22E-22 |
| chr4  | 2058001 | 2063000  | 1.27E-09 |
| chr4  | 2416001 | 2421000  | 1.43E-17 |
| chr4  | 2466001 | 2471000  | 2.89E-18 |
| chr4  | 2467001 | 2472000  | 5.11E-38 |
| chr4  | 2468001 | 2473000  | 7.12E-43 |
| chr4  | 2469001 | 2474000  | 3.92E-47 |
| chr4  | 2470001 | 2475000  | 4.51E-30 |
| chr4  | 2471001 | 2476000  | 6.13E-22 |
| chr4  | 2533001 | 2538000  | 2.16E-09 |
| chr4  | 2536001 | 2541000  | 4.40E-20 |
| chr4  | 2537001 | 2542000  | 1.00E-18 |
| chr4  | 2538001 | 2543000  | 4.07E-11 |
| chr4  | 2757001 | 2762000  | 7.64E-11 |
| chr4  | 2792001 | 2797000  | 2.19E-10 |
| chr4  | 2793001 | 2798000  | 1.51E-09 |
| chr4  | 2794001 | 2799000  | 6.65E-08 |
| chr4  | 2795001 | 2800000  | 1.54E-06 |
| chr4  | 2817001 | 2822000  | 6.26E-05 |
| chr4  | 2820001 | 2825000  | 1.53E-06 |
| chr4  | 2841001 | 2846000  | 3.43E-21 |
| chr4  | 3295001 | 3300000  | 8.46E-10 |
| chr4  | 4069001 | 4074000  | 4.91E-06 |
| chr4  | 4070001 | 4075000  | 6.05E-09 |
| chr4  | 4071001 | 4076000  | 4.10E-10 |
| chr4  | 4082001 | 4087000  | 1.62E-10 |
| chr4  | 4083001 | 4088000  | 4.46E-08 |
| chr4  | 4084001 | 4089000  | 1.04E-06 |
| chr4  | 4105001 | 4110000  | 2.90E-12 |
| chr4  | 4106001 | 4111000  | 3.50E-08 |
| chr4  | 4384001 | 4389000  | 1.48E-09 |
| chr4  | 4500001 | 4505000  | 8.12E-06 |
| chr4  | 4539001 | 4544000  | 5.20E-06 |
| chr4  | 4540001 | 4545000  | 3.74E-07 |
| chr4  | 4541001 | 4546000  | 6.09E-04 |
| chr4  | 4542001 | 4547000  | 1.34E-05 |
| chr4  | 4543001 | 4548000  | 1.19E-04 |
| chr4  | 4573001 | 4578000  | 2.41E-07 |
| chr4  | 4574001 | 4579000  | 3.55E-10 |
| Chr | Start | Stop  | P-value  |
|-----|-------|-------|----------|
| chr4 | 4575001 | 4580000 | 8.24E-11 |
| chr4 | 4739001 | 4744000 | 6.60E-07 |
| chr4 | 5111001 | 5116000 | 0.0032713 |
| chr4 | 5112001 | 5117000 | 7.72E-07 |
| chr4 | 5113001 | 5118000 | 1.86E-08 |
| chr4 | 5114001 | 5119000 | 6.85E-08 |
| chr4 | 5155001 | 5160000 | 1.15E-12 |
| chr4 | 5170001 | 5176000 | 3.71E-09 |
| chr4 | 5172001 | 5177000 | 1.48E-13 |
| chr4 | 5180001 | 5186000 | 1.85E-08 |
| chr4 | 5253001 | 5258000 | 5.11E-07 |
| chr4 | 5292001 | 5297000 | 6.08E-07 |
| chr4 | 5293001 | 5298000 | 8.65E-09 |
| chr4 | 5316001 | 5321000 | 3.81E-06 |
| chr4 | 5317001 | 5322000 | 1.26E-08 |
| chr4 | 5318001 | 5323000 | 1.92E-08 |
| chr4 | 5417001 | 5422000 | 1.11E-08 |
| chr4 | 5432001 | 5437000 | 1.90E-05 |
| chr4 | 5489001 | 5494000 | 2.24E-06 |
| chr4 | 5644001 | 5649000 | 2.08E-08 |
| chr4 | 6201001 | 6206000 | 2.31E-12 |
| chr4 | 6267001 | 6272000 | 7.51E-21 |
| chr4 | 6468001 | 6473000 | 2.82E-21 |
| chr4 | 6469001 | 6474000 | 9.21E-12 |
| chr4 | 6564001 | 6569000 | 1.03E-10 |
| chr4 | 6565001 | 6570000 | 3.48E-11 |
| chr4 | 6643001 | 6648000 | 1.72E-31 |
| chr4 | 6783001 | 6788000 | 8.21E-42 |
| chr4 | 6784001 | 6789000 | 1.19E-52 |
| chr4 | 6785001 | 6790000 | 3.44E-21 |
| chr4 | 6911001 | 6916000 | 4.73E-22 |
| chr4 | 6984001 | 6989000 | 1.75E-38 |
| chr4 | 7040001 | 7045000 | 3.67E-16 |
| chr4 | 7041001 | 7046000 | 6.15E-25 |
| chr4 | 7042001 | 7047000 | 1.45E-33 |
| chr4 | 7043001 | 7048000 | 1.38E-21 |
| chr4 | 7044001 | 7049000 | 3.24E-16 |
| chr4 | 7065001 | 7070000 | 9.83E-56 |
| chr4 | 7066001 | 7071000 | 3.80E-48 |
| chr4 | 7067001 | 7072000 | 1.16E-23 |
| chr4 | 7101001 | 7106000 | 6.84E-06 |
| chr4 | 7102001 | 7107000 | 1.40E-06 |
| chr4 | 7103001 | 7108000 | 8.16E-09 |
| chr4 | 7190001 | 7195000 | 4.04E-09 |
| chr4 | 8155001 | 8160000 | 4.32E-12 |
| chr4 | 8156001 | 8161000 | 4.79E-25 |
| chr4 | 8426001 | 8431000 | 3.26E-24 |
| chr4 | 8427001 | 8432000 | 7.80E-36 |
chr4 8428001 8433000 2.28E-36
chr4 8429001 8434000 2.21E-26
chr4 8430001 8435000 7.41E-25
chr4 8709001 8714000 2.65E-09
chr4 8710001 8715000 4.00E-09
chr4 8842001 8847000 2.86E-08
chr4 8923001 8928000 0.00018541
chr4 8929001 8934000 0.001012198
chr4 8961001 8966000 1.40E-06
chr4 9048001 9053000 1.53E-08
chr4 9150001 9155000 6.48E-07
chr4 9236001 9241000 1.91E-20
chr4 9237001 9242000 3.00E-37
chr4 9238001 9243000 1.99E-43
chr4 9239001 9244000 1.99E-43
chr4 9240001 9245000 1.14E-45
chr4 9366001 9371000 1.45E-21
chr4 9373001 9378000 7.35E-07
chr4 9374001 9379000 3.34E-06
chr4 9413001 9418000 0.000466798
chr4 9414001 9419000 0.001111324
chr4 9415001 9420000 0.001416198
chr4 9438001 9443000 0.0009931
chr4 9458001 9463000 3.71E-08
chr4 9460001 9465000 9.95E-11
chr4 9472001 9477000 1.05E-05
chr4 9523001 9528000 3.08E-08
chr4 9524001 9529000 2.03E-11
chr4 9525001 9530000 4.98E-10
chr4 9531001 9536000 0.000250161
chr4 9532001 9537000 1.35E-05
chr4 9580001 9585000 9.98E-08
chr4 9581001 9586000 1.12E-08
chr4 9582001 9587000 1.30E-10
chr4 9596001 9601000 4.21E-05
chr4 9634001 9639000 1.71E-06
chr4 9636001 9641000 7.37E-06
chr4 9637001 9642000 4.95E-11
chr4 9638001 9643000 9.39E-12
chr4 9683001 9688000 4.21E-11
chr4 10209001 10214000 8.95E-05
chr4 10211001 10216000 1.29E-05
chr4 10220001 10225000 4.70E-11
chr4 10222001 10227000 7.50E-07
chr4 10223001 10228000 5.64E-06
chr4 10251001 10256000 2.19E-16
chr4 10330001 10335000 4.53E-07
chr4 10454001 10459000 1.31E-66
| Chr  | Start  | End    | P-value |
|------|--------|--------|---------|
| chr4 | 1045001| 1046000| 2.80E-39|
| chr4 | 1045600| 1046100| 5.14E-28|
| chr4 | 1068200| 1068700| 2.59E-06|
| chr4 | 1073000| 1073500| 5.05E-05|
| chr4 | 1073100| 1073600| 6.72E-06|
| chr4 | 1089400| 1090000| 0.000533408|
| chr4 | 1101800| 1102300| 0.000386033|
| chr4 | 1115600| 1116100| 0.00053872|
| chr4 | 1115700| 1116200| 0.000234305|
| chr4 | 1119000| 1119500| 6.21E-06|
| chr4 | 1142500| 1143000| 1.56E-11|
| chr4 | 1142600| 1143100| 2.22E-18|
| chr4 | 1143000| 1143500| 8.76E-38|
| chr4 | 1179800| 1180300| 4.12E-05|
| chr4 | 1206400| 1206900| 8.16E-05|
| chr4 | 1222200| 1222700| 0.000115206|
| chr4 | 1222300| 1222800| 9.58E-05|
| chr4 | 1246400| 1246900| 4.67E-07|
| chr4 | 1249100| 1249600| 0.000822228|
| chr4 | 1249200| 1249700| 0.002380474|
| chr4 | 1301500| 1302000| 0.000581123|
| chr4 | 1309900| 1310400| 1.27E-05|
| chr4 | 1340500| 1341000| 1.10E-13|
| chr4 | 1348100| 1348600| 4.39E-32|
| chr4 | 1348400| 1348900| 2.34E-38|
| chr4 | 1348500| 1349000| 7.44E-56|
| chr4 | 1348600| 1349100| 1.25E-19|
| chr4 | 1362400| 1362900| 2.92E-17|
| chr4 | 1362500| 1363000| 2.47E-41|
| chr4 | 1362600| 1363100| 2.94E-43|
| chr4 | 1362900| 1363400| 1.65E-34|
| chr4 | 1439100| 1439600| 0.008241183|
| chr4 | 1446900| 1447400| 0.001812816|
| chr4 | 1500500| 1501000| 6.52E-71|
| chr4 | 1500600| 1501100| 1.55E-44|
| chr4 | 1516600| 1517100| 0.005294406|
| chr4 | 1521400| 1521900| 0.003975501|
| chr4 | 1521500| 1522000| 0.001986859|
| chr4 | 1521600| 1522100| 0.003484212|
| chr4 | 1521700| 1522200| 0.004225863|
| chr4 | 1545100| 1545600| 0.00860703|
| chr4 | 1579800| 1580300| 4.86E-05|
| chr4 | 1583500| 1584000| 7.39E-06|
| chr4 | 1583600| 1584100| 1.30E-05|
| chr4 | 1583700| 1584200| 3.81E-08|
| chr4 | 1584600| 1585100| 1.44E-09|
| chr4 | 1584700| 1585200| 5.39E-07|
| chr4 | 1584800| 1585300| 1.49E-07|
| Chr | Start | End   | P-value      |
|-----|-------|-------|--------------|
| chr4| 16029001 | 16034000 | 0.002010061 |
| chr4| 16229001 | 16234000 | 7.87E-33     |
| chr4| 16230001 | 16235000 | 4.28E-11     |
| chr4| 16328001 | 16333000 | 0.001319064  |
| chr4| 16329001 | 16334000 | 0.00299263   |
| chr4| 16330001 | 16335000 | 0.00283939   |
| chr4| 16328001 | 16333000 | 0.001319064  |
| chr4| 16229001 | 16234000 | 7.87E-33     |
| chr4| 16230001 | 16235000 | 4.28E-11     |
| chr4| 16328001 | 16333000 | 0.001319064  |
| chr4| 16329001 | 16334000 | 0.00299263   |
| chr4| 16330001 | 16335000 | 0.00283939   |
| chr4| 16613001 | 16618000 | 1.07E-06     |
| chr4| 16674001 | 16679000 | 1.04E-06     |
| chr4| 16675001 | 16680000 | 6.03E-07     |
| chr4| 16816001 | 16821000 | 1.92E-07     |
| chr4| 16817001 | 16822000 | 5.30E-08     |
| chr4| 16818001 | 16823000 | 1.53E-06     |
| chr4| 16877001 | 16882000 | 0.000483064  |
| chr4| 16948001 | 16953000 | 1.10E-06     |
| chr4| 16949001 | 16954000 | 7.92E-07     |
| chr4| 16952001 | 16957000 | 1.45E-05     |
| chr4| 17080001 | 17085000 | 1.55E-06     |
| chr4| 17390001 | 17395000 | 8.76E-06     |
| chr4| 17778001 | 17783000 | 1.45E-28     |
| chr4| 17806001 | 17811000 | 3.67E-13     |
| chr4| 18022001 | 18027000 | 1.80E-55     |
| chr4| 18023001 | 18028000 | 1.62E-56     |
| chr4| 18024001 | 18029000 | 3.40E-26     |
| chr4| 18029001 | 18034000 | 0.004207849  |
| chr4| 18030001 | 18035000 | 0.003427924  |
| chr4| 18315001 | 18320000 | 0.00035758   |
| chr4| 18674001 | 18679000 | 1.87E-05     |
| chr4| 18727001 | 18732000 | 0.008286783  |
| chr4| 19059001 | 19064000 | 5.03E-22     |
| chr4| 19060001 | 19065000 | 1.94E-13     |
| chr4| 19143001 | 19148000 | 0.003623181  |
| chr4| 19155001 | 19160000 | 0.002187509  |
| chr4| 19156001 | 19161000 | 0.00178814   |
| chr4| 19157001 | 19162000 | 0.003234005  |
| chr4| 19551001 | 19556000 | 0.005119179  |
| chr4| 20448001 | 20453000 | 0.001646093  |
| chr4| 20502001 | 20507000 | 0.029416646  |
| chr4| 20699001 | 20704000 | 1.76E-33     |
| chr4| 20700001 | 20705000 | 3.03E-30     |
| chr4| 20701001 | 20706000 | 2.45E-33     |
| chr4| 20702001 | 20707000 | 3.26E-39     |
| chr4| 20739001 | 20744000 | 1.16E-25     |
| chr4| 20740001 | 20745000 | 8.33E-20     |
| chr4| 20741001 | 20746000 | 1.11E-21     |
| chr4| 20742001 | 20747000 | 4.33E-14     |
| chr4| 20743001 | 20748000 | 1.24E-16     |
| chr4| 20848001 | 20853000 | 0.003340973  |
| chr4| 20849001 | 20854000 | 0.00469981   |
| chr4 | 20872001 | 20877000 | 4.87E-05 |
|------|----------|----------|----------|
| chr4 | 20873001 | 20878000 | 2.87E-05 |
| chr4 | 20876001 | 20881000 | 2.72E-05 |
| chr4 | 20983001 | 20988000 | 1.78E-12 |
| chr4 | 21099001 | 21104000 | 0.002103033 |
| chr4 | 21100001 | 21105000 | 0.00178667 |
| chr4 | 21160001 | 21165000 | 0.005309306 |
| chr4 | 21223001 | 21228000 | 4.79E-07 |
| chr4 | 21224001 | 21229000 | 8.20E-09 |
| chr4 | 21225001 | 21230000 | 1.02E-11 |
| chr4 | 21226001 | 21231000 | 3.31E-08 |
| chr4 | 21227001 | 21232000 | 3.58E-09 |
| chr4 | 21235001 | 21240000 | 2.96E-05 |
| chr4 | 21236001 | 21241000 | 8.70E-05 |
| chr4 | 21241001 | 21246000 | 7.65E-05 |
| chr4 | 21301001 | 21306000 | 1.30E-08 |
| chr4 | 21302001 | 21307000 | 1.79E-10 |
| chr4 | 21303001 | 21308000 | 8.85E-13 |
| chr4 | 21304001 | 21309000 | 3.46E-15 |
| chr4 | 21305001 | 21310000 | 5.55E-14 |
| chr4 | 21306001 | 21311000 | 8.34E-15 |
| chr4 | 21333001 | 21338000 | 0.000615596 |
| chr4 | 21368001 | 21373000 | 0.000518434 |
| chr4 | 21379001 | 21384000 | 0.000206225 |
| chr4 | 21380001 | 21385000 | 0.000277252 |
| chr4 | 21381001 | 21386000 | 0.00192141 |
| chr4 | 21523001 | 21528000 | 0.011797495 |
| chr4 | 21695001 | 21700000 | 2.43E-09 |
| chr4 | 21696001 | 21701000 | 4.98E-13 |
| chr4 | 21697001 | 21702000 | 1.24E-11 |
| chr4 | 21698001 | 21703000 | 3.67E-11 |
| chr4 | 21699001 | 21704000 | 2.36E-09 |
| chr4 | 22134001 | 22139000 | 0.003981675 |
| chr4 | 22263001 | 22268000 | 0.000337527 |
| chr4 | 22517001 | 22522000 | 1.02E-30 |
| chr4 | 22985001 | 22990000 | 0.004209737 |
| chr4 | 23227001 | 23232000 | 0.003461449 |
| chr4 | 23228001 | 23233000 | 0.000441347 |
| chr4 | 23277001 | 23282000 | 0.001670688 |
| chr4 | 23278001 | 23283000 | 0.002575943 |
| chr4 | 23618001 | 23623000 | 0.004271112 |
| chr4 | 24039001 | 24044000 | 0.007497421 |
| chr4 | 24129001 | 24134000 | 6.92E-06 |
| chr4 | 24130001 | 24135000 | 8.02E-06 |
| chr4 | 24910001 | 24915000 | 7.37E-24 |
| chr4 | 24911001 | 24916000 | 2.15E-28 |
| chr4 | 24912001 | 24917000 | 6.69E-24 |
| chr4 | 24913001 | 24918000 | 7.38E-34 |
| Chromosome | Start Base | End Base | p Value |
|------------|------------|----------|---------|
| chr4       | 24914000   | 24919000 | 9.97E-44 |
| chr4       | 25028001   | 25033000 | 6.27E-16 |
| chr4       | 25029001   | 25034000 | 7.56E-13 |
| chr4       | 25031001   | 25036000 | 1.35E-13 |
| chr4       | 25032001   | 25037000 | 5.23E-13 |
| chr4       | 25157001   | 25162000 | 9.63E-42 |
| chr4       | 25158001   | 25163000 | 4.18E-28 |
| chr4       | 25231001   | 25236000 | 6.46E-36 |
| chr4       | 25232001   | 25237000 | 1.23E-44 |
| chr4       | 25233001   | 25238000 | 4.31E-33 |
| chr4       | 25234001   | 25239000 | 7.72E-39 |
| chr4       | 25235001   | 25240000 | 2.46E-31 |
| chr4       | 25264001   | 25269000 | 1.80E-06 |
| chr4       | 25265001   | 25270000 | 9.42E-07 |
| chr4       | 25266001   | 25271000 | 1.86E-06 |
| chr4       | 25313001   | 25318000 | 7.99E-21 |
| chr4       | 25314001   | 25319000 | 1.94E-23 |
| chr4       | 25864001   | 25869000 | 3.53E-14 |
| chr4       | 26210001   | 26215000 | 2.83E-07 |
| chr4       | 26382001   | 26387000 | 5.07E-10 |
| chr4       | 26383001   | 26388000 | 2.64E-09 |
| chr4       | 26384001   | 26389000 | 1.94E-09 |
| chr4       | 26863001   | 26868000 | 1.33E-31 |
| chr4       | 27221001   | 27226000 | 0.000724035 |
| chr4       | 27338001   | 27343000 | 0.000256368 |
| chr4       | 27589001   | 27594000 | 0.000559319 |
| chr4       | 27792001   | 27797000 | 0.001052949 |
| chr4       | 28528001   | 28533000 | 0.000999718 |
| chr4       | 29934001   | 29939000 | 0.000149196 |
| chr4       | 29969001   | 29974000 | 0.018915928 |
| chr4       | 29970001   | 29975000 | 0.013964587 |
| chr4       | 29971001   | 29976000 | 0.004898335 |
| chr4       | 29972001   | 29977000 | 0.005793535 |
| chr4       | 30011001   | 30016000 | 0.00064643 |
| chr4       | 30669001   | 30674000 | 0.001410031 |
| chr4       | 30723001   | 30728000 | 1.39E-26 |
| chr4       | 30839001   | 30844000 | 1.30E-05 |
| chr4       | 31316001   | 31321000 | 4.06E-05 |
| chr4       | 31747001   | 31752000 | 1.85E-08 |
| chr4       | 31748001   | 31753000 | 1.85E-08 |
| chr4       | 31870001   | 31875000 | 2.14E-11 |
| chr4       | 34964001   | 34969000 | 0.004445063 |
| chr4       | 35741001   | 35746000 | 5.46E-05 |
| chr4       | 35742001   | 35747000 | 3.49E-06 |
| chr4       | 35974001   | 35979000 | 0.000338017 |
| chr4       | 36246001   | 36251000 | 7.94E-30 |
| chr4       | 36405001   | 36410000 | 0.007898772 |
| chr4       | 36406001   | 36411000 | 0.003181071 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr4       | 36407001       | 36412000     | 0.003962051 |
| chr4       | 36408001       | 36413000     | 0.007745971 |
| chr4       | 36652001       | 36657000     | 0.001027365 |
| chr4       | 36841001       | 36846000     | 0.028603909 |
| chr4       | 36842001       | 36847000     | 0.026759457 |
| chr4       | 37129001       | 37134000     | 0.000112783 |
| chr4       | 37130001       | 37135000     | 6.45E-05    |
| chr4       | 37131001       | 37136000     | 0.000254871 |
| chr4       | 37233001       | 37238000     | 2.94E-05    |
| chr4       | 37300001       | 37305000     | 0.001171412 |
| chr4       | 37329001       | 37334000     | 8.88E-05    |
| chr4       | 37453001       | 37458000     | 4.11E-39    |
| chr4       | 37454001       | 37459000     | 6.36E-52    |
| chr4       | 37455001       | 37460000     | 4.51E-58    |
| chr4       | 37683001       | 37688000     | 1.52E-23    |
| chr4       | 37978001       | 37983000     | 8.84E-35    |
| chr4       | 37979001       | 37984000     | 1.74E-33    |
| chr4       | 38294001       | 38299000     | 0.003581427 |
| chr4       | 38661001       | 38666000     | 4.89E-37    |
| chr4       | 38662001       | 38667000     | 1.87E-35    |
| chr4       | 38663001       | 38668000     | 6.01E-31    |
| chr4       | 38664001       | 38669000     | 2.51E-23    |
| chr4       | 39030001       | 39035000     | 0.000187415 |
| chr4       | 39042001       | 39047000     | 2.10E-14    |
| chr4       | 39043001       | 39048000     | 1.60E-21    |
| chr4       | 39045001       | 39050000     | 7.67E-35    |
| chr4       | 39046001       | 39051000     | 7.03E-34    |
| chr4       | 39047001       | 39052000     | 6.15E-18    |
| chr4       | 39179001       | 39184000     | 2.14E-15    |
| chr4       | 39333001       | 39338000     | 0.000338398 |
| chr4       | 39380001       | 39385000     | 0.00055036  |
| chr4       | 39455001       | 39460000     | 1.92E-08    |
| chr4       | 39456001       | 39461000     | 1.98E-52    |
| chr4       | 39458001       | 39463000     | 3.22E-49    |
| chr4       | 39459001       | 39464000     | 3.83E-45    |
| chr4       | 39460001       | 39465000     | 1.79E-52    |
| chr4       | 39695001       | 39700000     | 1.90E-15    |
| chr4       | 39974001       | 39979000     | 2.25E-12    |
| chr4       | 39975001       | 39980000     | 2.09E-20    |
| chr4       | 39976001       | 39981000     | 2.26E-29    |
| chr4       | 39977001       | 39982000     | 6.83E-40    |
| chr4       | 39978001       | 39983000     | 3.21E-38    |
| chr4       | 39979001       | 39984000     | 4.03E-24    |
| chr4       | 40057001       | 40062000     | 3.56E-37    |
| chr4       | 40058001       | 40063000     | 3.90E-37    |
| chr4       | 40747001       | 40752000     | 1.03E-19    |
| chr4       | 40748001       | 40753000     | 1.64E-43    |
| chr4       | 40749001       | 40754000     | 8.82E-39    |
| chr4 | start | end   | p-value     |
|------|-------|-------|-------------|
|     | 40750001 | 40755000 | 1.16E-41    |
|     | 40751001 | 40756000 | 1.40E-49    |
|     | 40752001 | 40757000 | 1.10E-47    |
|     | 41259001 | 41264000 | 1.16E-31    |
|     | 41356001 | 41361000 | 4.90E-06    |
|     | 41358001 | 41363000 | 2.36E-19    |
|     | 41359001 | 41364000 | 5.44E-18    |
|     | 41582001 | 41587000 | 6.74E-06    |
|     | 41583001 | 41588000 | 1.30E-06    |
|     | 41642001 | 41647000 | 8.86E-12    |
|     | 41643001 | 41648000 | 7.65E-11    |
|     | 41733001 | 41738000 | 0.000237985 |
|     | 41734001 | 41739000 | 0.001919717 |
|     | 41792001 | 41797000 | 3.49E-06    |
|     | 41869001 | 41874000 | 1.08E-13    |
|     | 41937001 | 41942000 | 1.59E-34    |
|     | 42060001 | 42211000 | 0.000510708 |
|     | 42395001 | 42400000 | 3.86E-17    |
|     | 42549001 | 42554000 | 1.89E-06    |
|     | 42550001 | 42555000 | 1.99E-07    |
|     | 42654001 | 42659000 | 7.79E-31    |
|     | 42657001 | 42662000 | 1.68E-61    |
|     | 42658001 | 42663000 | 8.55E-56    |
|     | 42659001 | 42664000 | 1.24E-41    |
|     | 42707001 | 42712000 | 2.58E-07    |
|     | 42708001 | 42713000 | 0.000208933 |
|     | 42709001 | 42714000 | 0.000260775 |
|     | 42710001 | 42715000 | 0.00133528  |
|     | 42734001 | 42739000 | 0.00422733  |
|     | 42748001 | 42753000 | 0.000304809 |
|     | 42834001 | 42839000 | 1.30E-06    |
|     | 42835001 | 42840000 | 1.88E-08    |
|     | 42836001 | 42841000 | 4.15E-06    |
|     | 42837001 | 42842000 | 4.53E-05    |
|     | 42848001 | 42853000 | 9.18E-07    |
|     | 42849001 | 42854000 | 1.94E-06    |
|     | 42850001 | 42855000 | 1.97E-07    |
|     | 42851001 | 42856000 | 1.38E-06    |
|     | 42852001 | 42857000 | 9.47E-07    |
|     | 43416001 | 43421000 | 2.69E-06    |
|     | 43417001 | 43422000 | 5.80E-09    |
|     | 43418001 | 43423000 | 1.01E-07    |
|     | 43611001 | 43616000 | 0.001689226 |
|     | 43819001 | 43824000 | 0.000694671 |
|     | 43820001 | 43825000 | 0.00111589  |
|     | 43822001 | 43827000 | 0.000488149 |
|     | 43891001 | 43896000 | 1.39E-07    |
|     | 43892001 | 43897000 | 8.30E-08    |
| chr4 | 43900001 | 43905000 | 0.004575149 |
| chr4 | 44140001 | 44146000 | 0.004817617 |
| chr4 | 44449001 | 44454000 | 2.82E-41     |
| chr4 | 44450001 | 44455000 | 4.39E-73     |
| chr4 | 44451001 | 44456000 | 1.90E-15     |
| chr4 | 44726001 | 44731000 | 1.76E-25     |
| chr4 | 44727001 | 44732000 | 5.47E-26     |
| chr4 | 44728001 | 44733000 | 1.31E-27     |
| chr4 | 45273001 | 45278000 | 0.010472707  |
| chr4 | 45391001 | 45396000 | 0.001729084  |
| chr4 | 45392001 | 45397000 | 0.001337105  |
| chr4 | 45450001 | 45455000 | 1.50E-08     |
| chr4 | 45452001 | 45457000 | 1.33E-08     |
| chr4 | 46139001 | 46144000 | 1.41E-08     |
| chr4 | 46185001 | 46190000 | 0.003390744  |
| chr4 | 46220001 | 46225000 | 0.000130151  |
| chr4 | 46221001 | 46226000 | 0.000133801  |
| chr4 | 46289001 | 46294000 | 3.02E-05     |
| chr4 | 46355001 | 46360000 | 0.001018478  |
| chr4 | 46359001 | 46364000 | 0.00056909   |
| chr4 | 46611001 | 46616000 | 2.09E-09     |
| chr4 | 46613001 | 46618000 | 4.13E-12     |
| chr4 | 46996001 | 47001000 | 1.75E-14     |
| chr4 | 47034001 | 47039000 | 1.66E-30     |
| chr4 | 47097001 | 47102000 | 0.000661305  |
| chr4 | 47157001 | 47162000 | 0.005990232  |
| chr4 | 47487001 | 47492000 | 1.35E-38     |
| chr4 | 47605001 | 47610000 | 0.001712976  |
| chr4 | 47660001 | 47665000 | 3.88E-06     |
| chr4 | 47661001 | 47666000 | 6.48E-06     |
| chr4 | 47802001 | 47807000 | 4.53E-09     |
| chr4 | 47831001 | 47836000 | 4.70E-05     |
| chr4 | 47945001 | 47950000 | 0.000103285  |
| chr4 | 48014001 | 48019000 | 3.05E-35     |
| chr4 | 48015001 | 48020000 | 9.77E-43     |
| chr4 | 48016001 | 48021000 | 4.89E-38     |
| chr4 | 48017001 | 48022000 | 4.84E-30     |
| chr4 | 48019001 | 48024000 | 1.33E-14     |
| chr4 | 48210001 | 48215000 | 6.34E-06     |
| chr4 | 48211001 | 48216000 | 1.21E-07     |
| chr4 | 48212001 | 48217000 | 4.45E-08     |
| chr4 | 48267001 | 48272000 | 8.27E-28     |
| chr4 | 48268001 | 48273000 | 1.58E-22     |
| chr4 | 48270001 | 48275000 | 1.18E-20     |
| chr4 | 48324001 | 48329000 | 0.012113048  |
| chr4 | 48344001 | 48349000 | 7.78E-25     |
| chr4 | 48416001 | 48421000 | 2.23E-06     |
| Chr | Start    | End     | Score     |
|-----|----------|---------|-----------|
| chr4| 48481001 | 48486000| 9.85E-08  |
| chr4| 48482001 | 48487000| 6.09E-10  |
| chr4| 48483001 | 48488000| 1.99E-11  |
| chr4| 48484001 | 48489000| 1.51E-19  |
| chr4| 48831001 | 48836000| 4.86E-31  |
| chr4| 48832001 | 48837000| 1.03E-19  |
| chr4| 48945001 | 48950000| 3.60E-05  |
| chr4| 49126001 | 49131000| 2.92E-16  |
| chr4| 49127001 | 49132000| 2.45E-16  |
| chr4| 49133001 | 49138000| 1.17E-07  |
| chr4| 49134001 | 49139000| 4.04E-08  |
| chr4| 49143001 | 49148000| 1.34E-64  |
| chr4| 49144001 | 49149000| 1.23E-47  |
| chr4| 52704001 | 52709000| 1.29E-23  |
| chr4| 52705001 | 52710000| 2.59E-65  |
| chr4| 52706001 | 52711000| 1.94E-67  |
| chr4| 52707001 | 52712000| 6.95E-69  |
| chr4| 52709001 | 52714000| 3.63E-57  |
| chr4| 52710001 | 52715000| 1.34E-37  |
| chr4| 52711001 | 52716000| 5.06E-25  |
| chr4| 52900001 | 52905000| 4.28E-19  |
| chr4| 52901001 | 52906000| 7.52E-24  |
| chr4| 52902001 | 52907000| 4.37E-20  |
| chr4| 52903001 | 52908000| 8.55E-23  |
| chr4| 52904001 | 52909000| 3.12E-23  |
| chr4| 52913001 | 52918000| 6.96E-47  |
| chr4| 53151001 | 53156000| 0.016262338|
| chr4| 53521001 | 53526000| 5.70E-28  |
| chr4| 53574001 | 53579000| 6.83E-21  |
| chr4| 53576001 | 53581000| 2.27E-48  |
| chr4| 53577001 | 53582000| 1.75E-45  |
| chr4| 53578001 | 53583000| 7.75E-59  |
| chr4| 53579001 | 53584000| 2.71E-37  |
| chr4| 53614001 | 53619000| 5.00E-23  |
| chr4| 53615001 | 53620000| 3.39E-27  |
| chr4| 53616001 | 53621000| 6.42E-33  |
| chr4| 53617001 | 53622000| 6.02E-47  |
| chr4| 53680001 | 53685000| 1.22E-10  |
| chr4| 53681001 | 53686000| 8.45E-10  |
| chr4| 53724001 | 53729000| 1.67E-56  |
| chr4| 53725001 | 53730000| 1.66E-64  |
| chr4| 53726001 | 53731000| 9.13E-60  |
| chr4| 53727001 | 53732000| 3.61E-30  |
| chr4| 53728001 | 53733000| 6.90E-30  |
| chr4| 54227001 | 54232000| 2.16E-31  |
| chr4| 54239001 | 54244000| 8.00E-23  |
| chr4| 54240001 | 54245000| 1.44E-48  |
| chr4| 54241001 | 54246000| 4.67E-47  |
| Chr | Start | End   | P-value  |
|-----|-------|-------|----------|
| chr4 | 54242001 | 54247000 | 1.16E-40  |
| chr4 | 54243001 | 54248000 | 9.74E-57  |
| chr4 | 54244001 | 54249000 | 8.02E-50  |
| chr4 | 54401001 | 54406000 | 7.54E-06  |
| chr4 | 54568001 | 54573000 | 3.26E-10  |
| chr4 | 54640001 | 54645000 | 0.000450044 |
| chr4 | 54916001 | 54921000 | 5.80E-05  |
| chr4 | 54917001 | 54922000 | 2.91E-06  |
| chr4 | 54918001 | 54923000 | 1.96E-05  |
| chr4 | 54925001 | 54930000 | 1.24E-06  |
| chr4 | 54926001 | 54931000 | 1.66E-46  |
| chr4 | 54928001 | 54933000 | 6.51E-33  |
| chr4 | 54929001 | 54934000 | 4.30E-31  |
| chr4 | 54930001 | 54935000 | 4.01E-40  |
| chr4 | 54969001 | 54974000 | 2.13E-07  |
| chr4 | 55328001 | 55333000 | 1.14E-06  |
| chr4 | 55614001 | 55619000 | 3.96E-08  |
| chr4 | 55910001 | 55915000 | 2.77E-08  |
| chr4 | 55987001 | 55992000 | 6.54E-29  |
| chr4 | 56258001 | 56263000 | 1.64E-65  |
| chr4 | 56655001 | 56660000 | 6.71E-19  |
| chr4 | 56656001 | 56661000 | 1.94E-14  |
| chr4 | 56657001 | 56662000 | 2.44E-13  |
| chr4 | 56658001 | 56663000 | 1.13E-12  |
| chr4 | 56659001 | 56664000 | 5.77E-13  |
| chr4 | 56715001 | 56720000 | 3.32E-18  |
| chr4 | 56717001 | 56722000 | 1.46E-49  |
| chr4 | 56718001 | 56723000 | 2.59E-49  |
| chr4 | 56719001 | 56724000 | 1.05E-49  |
| chr4 | 56720001 | 56725000 | 1.88E-21  |
| chr4 | 56814001 | 56819000 | 7.32E-52  |
| chr4 | 56815001 | 56820000 | 2.04E-63  |
| chr4 | 56916001 | 56921000 | 1.13E-18  |
| chr4 | 57303001 | 57308000 | 5.94E-11  |
| chr4 | 57334001 | 57339000 | 1.77E-22  |
| chr4 | 57378001 | 57383000 | 2.88E-07  |
| chr4 | 57379001 | 57384000 | 1.37E-06  |
| chr4 | 57392001 | 57397000 | 2.44E-09  |
| chr4 | 57393001 | 57398000 | 9.69E-15  |
| chr4 | 57394001 | 57399000 | 1.19E-19  |
| chr4 | 57395001 | 57400000 | 9.00E-21  |
| chr4 | 57516001 | 57521000 | 8.95E-05  |
| chr4 | 57684001 | 57689000 | 7.51E-14  |
| chr4 | 57685001 | 57690000 | 4.15E-18  |
| chr4 | 57686001 | 57691000 | 1.83E-13  |
| chr4 | 57838001 | 57843000 | 1.09E-14  |
| chr4 | 57845001 | 57850000 | 8.81E-27  |
| chr4 | 58385001 | 58390000 | 0.003157571 |
| Chr  | Start Position | End Position | P-Value       |
|------|----------------|--------------|---------------|
| chr4 | 58422001       | 58427000     | 1.26E-09      |
| chr4 | 58423001       | 58428000     | 9.69E-07      |
| chr4 | 58424001       | 58429000     | 1.74E-08      |
| chr4 | 58554001       | 58559000     | 0.003536842   |
| chr4 | 58696001       | 58701000     | 0.00921846    |
| chr4 | 58697001       | 58702000     | 0.009894835   |
| chr4 | 58698001       | 58703000     | 0.005412179   |
| chr4 | 58699001       | 58704000     | 0.006309656   |
| chr4 | 58789001       | 58794000     | 3.44E-05      |
| chr4 | 58822001       | 58827000     | 7.59E-06      |
| chr4 | 58823001       | 58828000     | 1.29E-06      |
| chr4 | 58824001       | 58829000     | 7.46E-06      |
| chr4 | 58886001       | 58891000     | 6.99E-05      |
| chr4 | 58887001       | 58892000     | 4.87E-05      |
| chr4 | 59353001       | 59358000     | 0.001233784   |
| chr4 | 59365001       | 59370000     | 0.002956091   |
| chr4 | 60008001       | 60013000     | 1.48E-06      |
| chr4 | 60777001       | 60782000     | 0.000140023   |
| chr4 | 60778001       | 60783000     | 0.000194459   |
| chr4 | 60779001       | 60784000     | 1.42E-05      |
| chr4 | 60780001       | 60785000     | 8.83E-05      |
| chr4 | 61174001       | 61179000     | 0.000219598   |
| chr4 | 61175001       | 61180000     | 6.87E-05      |
| chr4 | 61973001       | 61978000     | 9.94E-07      |
| chr4 | 61974001       | 61979000     | 2.22E-07      |
| chr4 | 62061001       | 62066000     | 6.06E-14      |
| chr4 | 62062001       | 62067000     | 3.10E-58      |
| chr4 | 62125001       | 62130000     | 0.000129177   |
| chr4 | 62699001       | 62704000     | 0.003261249   |
| chr4 | 63687001       | 63692000     | 1.11E-08      |
| chr4 | 63689001       | 63694000     | 1.99E-09      |
| chr4 | 64197001       | 64202000     | 6.34E-09      |
| chr4 | 64368001       | 64373000     | 6.46E-05      |
| chr4 | 64590001       | 64595000     | 0.000674523   |
| chr4 | 64591001       | 64596000     | 0.000114229   |
| chr4 | 64604001       | 64609000     | 7.08E-05      |
| chr4 | 64711001       | 64716000     | 0.002658407   |
| chr4 | 64712001       | 64717000     | 0.002873349   |
| chr4 | 64763001       | 64768000     | 5.56E-06      |
| chr4 | 64764001       | 64769000     | 5.81E-08      |
| chr4 | 64765001       | 64770000     | 1.47E-06      |
| chr4 | 65488001       | 65493000     | 0.000830568   |
| chr4 | 65489001       | 65494000     | 7.22E-06      |
| chr4 | 66011001       | 66016000     | 4.81E-06      |
| chr4 | 66133001       | 66138000     | 4.86E-05      |
| chr4 | 66134001       | 66139000     | 9.91E-08      |
| chr4 | 66135001       | 66140000     | 0.000634092   |
| chr4 | 68109001       | 68114000     | 0.012795403   |
| Chr | Start | End   | P-value     |
|-----|-------|-------|-------------|
| chr4| 68319001 | 68324000 | 9.45E-05   |
| chr4| 68562001 | 68567000 | 4.59E-22   |
| chr4| 68564001 | 68569000 | 5.31E-27   |
| chr4| 68566001 | 68571000 | 2.18E-26   |
| chr4| 68590001 | 68595000 | 0.000424333|
| chr4| 68591001 | 68596000 | 0.000148109|
| chr4| 68691001 | 68696000 | 0.004922662|
| chr4| 68692001 | 68697000 | 0.009573245|
| chr4| 68865001 | 68870000 | 0.004950745|
| chr4| 69070001 | 69075000 | 0.001217419|
| chr4| 69131001 | 69136000 | 8.65E-06   |
| chr4| 69613001 | 69618000 | 0.001690916|
| chr4| 69614001 | 69619000 | 0.002301157|
| chr4| 70044001 | 70049000 | 6.09E-05   |
| chr4| 70163001 | 70168000 | 0.000937213|
| chr4| 70685001 | 70690000 | 0.001042624|
| chr4| 70874001 | 70879000 | 7.28E-08   |
| chr4| 71242001 | 71247000 | 4.60E-06   |
| chr4| 71331001 | 71336000 | 7.42E-06   |
| chr4| 71554001 | 71559000 | 3.52E-25   |
| chr4| 71566001 | 71571000 | 1.91E-65   |
| chr4| 71646001 | 71651000 | 3.87E-23   |
| chr4| 71647001 | 71652000 | 4.71E-26   |
| chr4| 71648001 | 71653000 | 1.54E-26   |
| chr4| 71649001 | 71654000 | 2.47E-19   |
| chr4| 71650001 | 71655000 | 7.02E-12   |
| chr4| 71764001 | 71769000 | 5.00E-18   |
| chr4| 71765001 | 71770000 | 1.33E-14   |
| chr4| 71766001 | 71771000 | 1.08E-15   |
| chr4| 71767001 | 71772000 | 5.88E-23   |
| chr4| 71768001 | 71773000 | 3.11E-22   |
| chr4| 71855001 | 71860000 | 2.99E-65   |
| chr4| 71856001 | 71861000 | 6.10E-52   |
| chr4| 71857001 | 71862000 | 9.27E-36   |
| chr4| 71858001 | 71863000 | 3.33E-39   |
| chr4| 71859001 | 71864000 | 1.39E-44   |
| chr4| 72053001 | 72058000 | 9.15E-38   |
| chr4| 72738001 | 72743000 | 7.11E-05   |
| chr4| 72739001 | 72744000 | 8.94E-06   |
| chr4| 72740001 | 72745000 | 6.46E-05   |
| chr4| 72741001 | 72746000 | 3.62E-05   |
| chr4| 72933001 | 72938000 | 0.000384193|
| chr4| 72934001 | 72939000 | 0.001258396|
| chr4| 72935001 | 72940000 | 0.000635927|
| chr4| 73434001 | 73439000 | 2.23E-46   |
| Chromosome | Start Position | End Position | P-value   |
|------------|----------------|--------------|-----------|
| chr4       | 73435001       | 73440000     | 9.90E-44  |
| chr4       | 73698001       | 73703000     | 0.001018525 |
| chr4       | 73699001       | 73704000     | 4.19E-05  |
| chr4       | 74085001       | 74090000     | 0.001626952 |
| chr4       | 74086001       | 74091000     | 2.42E-06  |
| chr4       | 74125001       | 74130000     | 1.83E-27  |
| chr4       | 74337001       | 74342000     | 0.000155511 |
| chr4       | 74402001       | 74407000     | 1.70E-07  |
| chr4       | 74604001       | 74609000     | 0.00165482 |
| chr4       | 74612001       | 74617000     | 0.001026839 |
| chr4       | 74698001       | 74703000     | 2.88E-18  |
| chr4       | 74699001       | 74704000     | 1.28E-19  |
| chr4       | 74700001       | 74705000     | 5.15E-26  |
| chr4       | 74701001       | 74706000     | 4.80E-23  |
| chr4       | 74702001       | 74707000     | 1.19E-25  |
| chr4       | 74718001       | 74723000     | 1.32E-08  |
| chr4       | 74719001       | 74724000     | 8.77E-07  |
| chr4       | 74731001       | 74736000     | 9.13E-61  |
| chr4       | 74734001       | 74739000     | 1.47E-45  |
| chr4       | 74735001       | 74740000     | 1.42E-47  |
| chr4       | 74805001       | 74810000     | 1.85E-06  |
| chr4       | 74807001       | 74812000     | 6.98E-11  |
| chr4       | 74843001       | 74848000     | 2.39E-09  |
| chr4       | 74844001       | 74849000     | 1.25E-10  |
| chr4       | 74845001       | 74850000     | 7.64E-11  |
| chr4       | 74852001       | 74857000     | 2.99E-05  |
| chr4       | 74853001       | 74858000     | 4.91E-05  |
| chr4       | 74855001       | 74860000     | 0.000260688 |
| chr4       | 74860001       | 74865000     | 1.19E-43  |
| chr4       | 74861001       | 74866000     | 2.42E-45  |
| chr4       | 74862001       | 74867000     | 3.34E-57  |
| chr4       | 74863001       | 74868000     | 1.63E-44  |
| chr4       | 74864001       | 74869000     | 4.12E-41  |
| chr4       | 74899001       | 74904000     | 1.77E-09  |
| chr4       | 74900001       | 74905000     | 8.55E-70  |
| chr4       | 74904001       | 74909000     | 3.33E-53  |
| chr4       | 74947001       | 74952000     | 0.002561411 |
| chr4       | 75006001       | 75011000     | 0.01368923 |
| chr4       | 75019001       | 75024000     | 4.84E-70  |
| chr4       | 75022001       | 75027000     | 2.06E-75  |
| chr4       | 75024001       | 75029000     | 2.46E-38  |
| chr4       | 75093001       | 75098000     | 1.39E-06  |
| chr4       | 75094001       | 75099000     | 7.91E-06  |
| chr4       | 75095001       | 75100000     | 0.000812861 |
| chr4       | 75096001       | 75101000     | 0.003234442 |
| chr4       | 75097001       | 75102000     | 0.001633921 |
| chr4       | 75116001       | 75121000     | 6.28E-06  |
| chr4       | 75117001       | 75122000     | 1.23E-06  |
| chr4 | Start  | End   | P-value       |
|------|--------|-------|---------------|
|    4 |  75118 |  75123 |  3.78E-05     |
|    4 |  75119 |  75124 |  2.34E-07     |
|    4 |  75236 |  75241 |  0.0003162    |
|    4 |  75259 |  75264 |  1.93E-05     |
|    4 |  75558 |  75563 |  0.000169275  |
|    4 |  75715 |  75720 |  2.52E-07     |
|    4 |  75716 |  75721 |  1.08E-05     |
|    4 |  75717 |  75722 |  7.46E-37     |
|    4 |  76126 |  76131 |  0.00248315   |
|    4 |  76246 |  76251 |  1.43E-05     |
|    4 |  76408 |  76413 |  0.000287641  |
|    4 |  76410 |  76414 |  0.001937705  |
|    4 |  76435 |  76440 |  1.01E-28     |
|    4 |  76439 |  76444 |  1.54E-42     |
|    4 |  76443 |  76448 |  1.78E-05     |
|    4 |  76551 |  76556 |  1.87E-19     |
|    4 |  76552 |  76557 |  6.27E-33     |
|    4 |  76553 |  76558 |  3.02E-23     |
|    4 |  76554 |  76559 |  8.43E-19     |
|    4 |  76555 |  76560 |  2.10E-24     |
|    4 |  76556 |  76561 |  1.74E-22     |
|    4 |  76862 |  76867 |  1.70E-21     |
|    4 |  76907 |  76912 |  1.26E-13     |
|    4 |  76909 |  76914 |  1.48E-26     |
|    4 |  77070 |  77075 |  0.000229958  |
|    4 |  77130 |  77135 |  5.37E-46     |
|    4 |  77131 |  77136 |  5.50E-48     |
|    4 |  77132 |  77137 |  4.81E-64     |
|    4 |  77133 |  77138 |  1.37E-40     |
|    4 |  77134 |  77139 |  3.73E-45     |
|    4 |  77135 |  77140 |  4.11E-41     |
|    4 |  77168 |  77173 |  7.14E-31     |
|    4 |  77169 |  77174 |  4.30E-24     |
|    4 |  77170 |  77175 |  3.59E-34     |
|    4 |  77171 |  77176 |  1.76E-26     |
|    4 |  77172 |  77177 |  9.93E-25     |
|    4 |  77179 |  77184 |  0.008179963  |
|    4 |  77228 |  77233 |  3.00E-15     |
|    4 |  77241 |  77246 |  0.00132103   |
|    4 |  77339 |  77344 |  7.57E-28     |
|    4 |  77340 |  77345 |  6.74E-17     |
|    4 |  77341 |  77346 |  6.96E-12     |
|    4 |  77606 |  77611 |  5.64E-49     |
|    4 |  77814 |  77819 |  1.45E-13     |
|    4 |  77818 |  77823 |  1.84E-20     |
|    4 |  77819 |  77824 |  1.35E-37     |
|    4 |  77866 |  77871 |  1.70E-39     |
|    4 |  77991 |  77996 |  2.80E-06     |
| Start Position | End Position | Score  |
|----------------|--------------|--------|
| 78078001       | 78083000     | 2.71E-58 |
| 78079001       | 78084000     | 4.52E-20 |
| 78299001       | 78304000     | 8.27E-07 |
| 78300001       | 78305000     | 1.44E-09 |
| 78420001       | 78425000     | 0.002223053 |
| 78464001       | 78469000     | 8.25E-05 |
| 78466001       | 78471000     | 9.24E-06 |
| 78467001       | 78472000     | 1.46E-08 |
| 78468001       | 78473000     | 2.19E-06 |
| 78469001       | 78474000     | 2.59E-08 |
| 78470001       | 78475000     | 1.18E-10 |
| 78471001       | 78476000     | 3.89E-07 |
| 78473001       | 78478000     | 7.29E-06 |
| 78702001       | 78707000     | 0.007861536 |
| 78740001       | 78745000     | 5.50E-39 |
| 78741001       | 78746000     | 1.60E-25 |
| 78980001       | 78985000     | 3.30E-35 |
| 79692001       | 79697000     | 1.69E-20 |
| 79693001       | 79698000     | 1.87E-64 |
| 79694001       | 79699000     | 2.50E-50 |
| 79697001       | 79702000     | 4.61E-43 |
| 80756001       | 80761000     | 0.001287195 |
| 80757001       | 80762000     | 0.00114566 |
| 80758001       | 80763000     | 0.000347664 |
| 80759001       | 80764000     | 7.57E-05 |
| 80890001       | 80895000     | 0.016030085 |
| 80924001       | 80929000     | 0.004438018 |
| 80925001       | 80930000     | 0.003026541 |
| 80994001       | 80999000     | 5.60E-35 |
| 81123001       | 81128000     | 2.17E-26 |
| 81257001       | 81262000     | 1.25E-33 |
| 81471001       | 81476000     | 0.000108982 |
| 81478001       | 81483000     | 4.74E-09 |
| 81479001       | 81484000     | 4.04E-07 |
| 81480001       | 81485000     | 1.20E-05 |
| 81637001       | 81642000     | 0.000312642 |
| 81670001       | 81675000     | 0.005960962 |
| 81947001       | 81952000     | 6.70E-16 |
| 81948001       | 81953000     | 7.47E-24 |
| 81952001       | 81957000     | 9.86E-11 |
| 82021001       | 82026000     | 2.67E-17 |
| 82131001       | 82136000     | 1.26E-24 |
| 82132001       | 82137000     | 4.73E-16 |
| 82133001       | 82138000     | 1.82E-25 |
| 82134001       | 82139000     | 3.84E-30 |
| 82135001       | 82140000     | 2.58E-33 |
| 82136001       | 82141000     | 2.37E-27 |
| 82536001       | 82541000     | 0.020563982 |
| Chr | Start | End   | Score   |
|-----|-------|-------|---------|
| chr4| 82571001 | 82576000 | 0.000759907 |
| chr4| 82671001 | 82676000 | 1.67E-07 |
| chr4| 82672001 | 82677000 | 1.10E-07 |
| chr4| 82673001 | 82678000 | 0.00032644 |
| chr4| 82674001 | 82679000 | 1.52E-07 |
| chr4| 82675001 | 82680000 | 1.60E-05 |
| chr4| 82677001 | 82682000 | 0.000328943 |
| chr4| 82727001 | 82732000 | 1.29E-05 |
| chr4| 82804001 | 82809000 | 0.000411193 |
| chr4| 82921001 | 82926000 | 0.000167085 |
| chr4| 82934001 | 82939000 | 0.001060743 |
| chr4| 82950001 | 82955000 | 8.75E-05 |
| chr4| 82961001 | 82966000 | 7.65E-18 |
| chr4| 82964001 | 82969000 | 5.00E-24 |
| chr4| 82965001 | 82970000 | 1.30E-39 |
| chr4| 83014001 | 83019000 | 0.000191099 |
| chr4| 83034001 | 83039000 | 1.25E-05 |
| chr4| 83079001 | 83084000 | 6.23E-10 |
| chr4| 83080001 | 83085000 | 3.74E-12 |
| chr4| 83081001 | 83086000 | 1.14E-08 |
| chr4| 83136001 | 83141000 | 0.011098997 |
| chr4| 83158001 | 83163000 | 4.25E-07 |
| chr4| 83159001 | 83164000 | 2.42E-08 |
| chr4| 83160001 | 83165000 | 8.26E-10 |
| chr4| 83161001 | 83166000 | 7.13E-10 |
| chr4| 83179001 | 83184000 | 0.009216604 |
| chr4| 83206001 | 83211000 | 6.47E-14 |
| chr4| 83479001 | 83484000 | 3.41E-16 |
| chr4| 83480001 | 83485000 | 8.99E-32 |
| chr4| 83481001 | 83486000 | 1.00E-38 |
| chr4| 83482001 | 83487000 | 1.29E-25 |
| chr4| 83483001 | 83488000 | 2.19E-23 |
| chr4| 83715001 | 83720000 | 1.63E-29 |
| chr4| 83716001 | 83721000 | 1.76E-24 |
| chr4| 83718001 | 83723000 | 8.82E-25 |
| chr4| 83719001 | 83724000 | 3.69E-41 |
| chr4| 83720001 | 83725000 | 2.36E-16 |
| chr4| 83780001 | 83785000 | 0.004207484 |
| chr4| 83781001 | 83786000 | 0.000455614 |
| chr4| 83812001 | 83817000 | 1.32E-35 |
| chr4| 83822001 | 83827000 | 5.97E-25 |
| chr4| 84201001 | 84206000 | 3.58E-42 |
| chr4| 84202001 | 84207000 | 8.87E-37 |
| chr4| 84256001 | 84261000 | 1.72E-12 |
| chr4| 84402001 | 84407000 | 2.67E-16 |
| chr4| 84403001 | 84408000 | 2.12E-16 |
| chr4| 84404001 | 84409000 | 1.76E-12 |
| Chromosome | Location Start | Location End | p-value |
|------------|----------------|--------------|---------|
| chr4       | 84405001       | 84410000     | 4.03E-14|
| chr4       | 84446001       | 84451000     | 3.81E-17|
| chr4       | 84447001       | 84452000     | 2.73E-12|
| chr4       | 84448001       | 84453000     | 2.19E-09|
| chr4       | 84457001       | 84462000     | 1.26E-31|
| chr4       | 84774001       | 84779000     | 0.005458296|
| chr4       | 84816001       | 84821000     | 0.016168977|
| chr4       | 85170001       | 85175000     | 0.001043443|
| chr4       | 85172001       | 85177000     | 0.001385835|
| chr4       | 85173001       | 85178000     | 0.00075513|
| chr4       | 85174001       | 85179000     | 0.000277836|
| chr4       | 85209001       | 85214000     | 0.005865674|
| chr4       | 85239001       | 85244000     | 0.000251905|
| chr4       | 85240001       | 85245000     | 0.00150854|
| chr4       | 85499001       | 85504000     | 1.06E-33|
| chr4       | 85500001       | 85505000     | 5.41E-40|
| chr4       | 85583001       | 85588000     | 1.48E-38|
| chr4       | 85884001       | 85889000     | 9.19E-20|
| chr4       | 85885001       | 85890000     | 4.78E-32|
| chr4       | 85886001       | 85891000     | 2.41E-36|
| chr4       | 85887001       | 85892000     | 5.50E-27|
| chr4       | 86246001       | 86251000     | 2.41E-06|
| chr4       | 86359001       | 86364000     | 0.012493386|
| chr4       | 86660001       | 86665000     | 0.000129431|
| chr4       | 86661001       | 86666000     | 7.21E-05|
| chr4       | 87492001       | 87497000     | 0.024752805|
| chr4       | 87511001       | 87516000     | 1.32E-59|
| chr4       | 87821001       | 87826000     | 1.60E-17|
| chr4       | 87822001       | 87827000     | 1.28E-10|
| chr4       | 87823001       | 87828000     | 2.01E-13|
| chr4       | 87824001       | 87829000     | 6.01E-12|
| chr4       | 88141001       | 88146000     | 7.14E-43|
| chr4       | 88339001       | 88344000     | 2.23E-29|
| chr4       | 88340001       | 88345000     | 8.48E-15|
| chr4       | 88591001       | 88596000     | 0.000383666|
| chr4       | 88593001       | 88598000     | 5.17E-05|
| chr4       | 88672001       | 88677000     | 0.000131241|
| chr4       | 88693001       | 88698000     | 4.48E-08|
| chr4       | 88694001       | 88699000     | 4.57E-07|
| chr4       | 88695001       | 88700000     | 2.38E-08|
| chr4       | 88696001       | 88701000     | 5.72E-06|
| chr4       | 88728001       | 88733000     | 0.000115393|
| chr4       | 88833001       | 88838000     | 0.002158638|
| chr4       | 88924001       | 88929000     | 1.20E-47|
| chr4       | 88925001       | 88930000     | 7.14E-50|
| chr4       | 88926001       | 88931000     | 3.32E-48|
| chr4       | 88927001       | 88932000     | 1.29E-49|
| chr4       | 88928001       | 88933000     | 2.17E-53|
| Chromosome | Start | End   | Score   |
|------------|-------|-------|---------|
| chr4       | 88920001 | 88934000 | 1.19E-33 |
| chr4       | 89075001 | 89080000 | 4.93E-25 |
| chr4       | 89076001 | 89081000 | 5.44E-29 |
| chr4       | 89077001 | 89082000 | 8.11E-27 |
| chr4       | 89078001 | 89083000 | 7.02E-16 |
| chr4       | 89079001 | 89084000 | 2.78E-17 |
| chr4       | 89080001 | 89085000 | 1.28E-13 |
| chr4       | 89201001 | 89206000 | 9.08E-23 |
| chr4       | 89296001 | 89301000 | 3.47E-25 |
| chr4       | 89297001 | 89302000 | 4.17E-51 |
| chr4       | 89298001 | 89303000 | 3.77E-47 |
| chr4       | 89299001 | 89304000 | 3.82E-45 |
| chr4       | 89300001 | 89305000 | 7.10E-55 |
| chr4       | 89381001 | 89386000 | 0.008072041 |
| chr4       | 89440001 | 89445000 | 1.94E-49 |
| chr4       | 89441001 | 89446000 | 1.23E-39 |
| chr4       | 89442001 | 89447000 | 4.34E-34 |
| chr4       | 89443001 | 89448000 | 1.69E-35 |
| chr4       | 89444001 | 89449000 | 5.92E-24 |
| chr4       | 89513001 | 89518000 | 6.85E-41 |
| chr4       | 89514001 | 89519000 | 9.00E-32 |
| chr4       | 89534001 | 89539000 | 0.009916794 |
| chr4       | 89535001 | 89540000 | 0.006613896 |
| chr4       | 89987001 | 89992000 | 3.44E-05 |
| chr4       | 89988001 | 89993000 | 0.000420832 |
| chr4       | 90016001 | 90021000 | 6.49E-07 |
| chr4       | 90030001 | 90035000 | 1.91E-35 |
| chr4       | 90031001 | 90036000 | 7.12E-56 |
| chr4       | 90032001 | 90037000 | 7.20E-68 |
| chr4       | 90224001 | 90229000 | 6.38E-30 |
| chr4       | 90463001 | 90468000 | 0.004899964 |
| chr4       | 90496001 | 90501000 | 0.019316346 |
| chr4       | 91044001 | 91049000 | 4.33E-25 |
| chr4       | 91045001 | 91050000 | 1.78E-50 |
| chr4       | 91046001 | 91051000 | 3.46E-49 |
| chr4       | 91047001 | 91052000 | 2.05E-73 |
| chr4       | 91048001 | 91053000 | 3.38E-47 |
| chr4       | 91049001 | 91054000 | 7.88E-47 |
| chr4       | 91186001 | 91191000 | 0.00079371 |
| chr4       | 91835001 | 91840000 | 1.20E-05 |
| chr4       | 91836001 | 91841000 | 5.05E-07 |
| chr4       | 91837001 | 91842000 | 9.76E-13 |
| chr4       | 91981001 | 91986000 | 5.05E-06 |
| chr4       | 91982001 | 91987000 | 1.14E-05 |
| chr4       | 91983001 | 91988000 | 9.35E-07 |
| chr4       | 92055001 | 92060000 | 8.16E-07 |
| chr4       | 92057001 | 92062000 | 3.75E-06 |
| chr4       | 92058001 | 92063000 | 2.15E-05 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr4       | 92059001       | 92064000     | 0.000179922 |
| chr4       | 92273001       | 92278000     | 6.51E-07    |
| chr4       | 92274001       | 92279000     | 1.85E-06    |
| chr4       | 92338001       | 92343000     | 0.020406476 |
| chr4       | 92691001       | 92696000     | 0.016703212 |
| chr4       | 92807001       | 92812000     | 0.002236213 |
| chr4       | 92846001       | 92851000     | 0.002028857 |
| chr4       | 93221001       | 93226000     | 1.22E-26    |
| chr4       | 93650001       | 93655000     | 0.00071141  |
| chr4       | 94110001       | 94115000     | 0.000433483 |
| chr4       | 94111001       | 94116000     | 3.16E-06    |
| chr4       | 94112001       | 94117000     | 3.14E-06    |
| chr4       | 94113001       | 94118000     | 1.50E-06    |
| chr4       | 94438001       | 94443000     | 0.00145025  |
| chr4       | 94691001       | 94696000     | 0.004834391 |
| chr4       | 94812001       | 94817000     | 0.003635403 |
| chr4       | 94842001       | 94847000     | 0.003525521 |
| chr4       | 94843001       | 94848000     | 0.004761404 |
| chr4       | 94887001       | 94892000     | 7.11E-05    |
| chr4       | 94998001       | 95003000     | 0.003654008 |
| chr4       | 95329001       | 95334000     | 6.97E-07    |
| chr4       | 95330001       | 95335000     | 1.00E-05    |
| chr4       | 95373001       | 95378000     | 1.45E-30    |
| chr4       | 95574001       | 95579000     | 0.000238618 |
| chr4       | 95676001       | 95681000     | 1.01E-28    |
| chr4       | 95677001       | 95682000     | 3.95E-39    |
| chr4       | 95678001       | 95683000     | 4.19E-33    |
| chr4       | 95679001       | 95684000     | 3.17E-50    |
| chr4       | 96153001       | 96158000     | 0.003097808 |
| chr4       | 96562001       | 96567000     | 0.014067936 |
| chr4       | 96639001       | 96644000     | 0.002984518 |
| chr4       | 96640001       | 96645000     | 0.002543346 |
| chr4       | 96716001       | 96721000     | 8.10E-08    |
| chr4       | 97480001       | 97485000     | 0.000733639 |
| chr4       | 98173001       | 98178000     | 0.00019985  |
| chr4       | 98202001       | 98207000     | 0.00041327  |
| chr4       | 98203001       | 98208000     | 2.18E-05    |
| chr4       | 98204001       | 98209000     | 9.24E-06    |
| chr4       | 98352001       | 98357000     | 0.000246189 |
| chr4       | 98891001       | 98896000     | 9.96E-06    |
| chr4       | 98892001       | 98897000     | 9.82E-06    |
| chr4       | 98894001       | 98899000     | 8.70E-05    |
| chr4       | 99079001       | 99084000     | 0.001124103 |
| chr4       | 99182001       | 99187000     | 4.72E-39    |
| chr4       | 99244001       | 99249000     | 3.22E-08    |
| chr4       | 99245001       | 99250000     | 9.69E-08    |
| chr4       | 99279001       | 99284000     | 1.62E-05    |
| chr4       | 99282001       | 99287000     | 2.33E-05    |
| Chromosome | Position Start | Position End | p-value |
|------------|----------------|--------------|---------|
| chr4       | 99574001       | 99579000     | 3.36E-22 |
| chr4       | 99648001       | 99653000     | 3.31E-06 |
| chr4       | 99649001       | 99654000     | 2.05E-09 |
| chr4       | 99650001       | 99655000     | 0.002373674 |
| chr4       | 99651001       | 99656000     | 0.002625814 |
| chr4       | 99681001       | 99686000     | 0.000182852 |
| chr4       | 99845001       | 99850000     | 1.73E-51 |
| chr4       | 99846001       | 99851000     | 1.11E-40 |
| chr4       | 99916001       | 99921000     | 1.02E-24 |
| chr4       | 99917001       | 99922000     | 1.55E-14 |
| chr4       | 100049001      | 100054000    | 0.024162633 |
| chr4       | 100052001      | 100057000    | 0.007161759 |
| chr4       | 100104001      | 100109000    | 1.76E-07 |
| chr4       | 100105001      | 100110000    | 1.76E-09 |
| chr4       | 100138001      | 100143000    | 1.99E-05 |
| chr4       | 100139001      | 100144000    | 6.81E-05 |
| chr4       | 100166001      | 100171000    | 1.69E-05 |
| chr4       | 100483001      | 100488000    | 2.19E-20 |
| chr4       | 100484001      | 100489000    | 2.80E-32 |
| chr4       | 100811001      | 100816000    | 9.55E-68 |
| chr4       | 100812001      | 100817000    | 5.28E-59 |
| chr4       | 100813001      | 100818000    | 3.49E-49 |
| chr4       | 100814001      | 100819000    | 2.70E-37 |
| chr4       | 100815001      | 100820000    | 9.31E-21 |
| chr4       | 100961001      | 100966000    | 9.40E-05 |
| chr4       | 101042001      | 101047000    | 0.003042896 |
| chr4       | 101052001      | 101057000    | 0.00716933 |
| chr4       | 101053001      | 101058000    | 0.016437075 |
| chr4       | 101193001      | 101198000    | 0.000440836 |
| chr4       | 101273001      | 101278000    | 0.001385543 |
| chr4       | 101275001      | 101280000    | 0.004390596 |
| chr4       | 101702001      | 101707000    | 0.002488102 |
| chr4       | 101703001      | 101708000    | 1.98E-05 |
| chr4       | 101704001      | 101709000    | 0.008437336 |
| chr4       | 101781001      | 101786000    | 7.55E-07 |
| chr4       | 101782001      | 101787000    | 3.66E-05 |
| chr4       | 101785001      | 101790000    | 1.17E-07 |
| chr4       | 102020001      | 102025000    | 0.000348521 |
| chr4       | 102021001      | 102026000    | 1.08E-05 |
| chr4       | 102022001      | 102027000    | 0.000135701 |
| chr4       | 102262001      | 102267000    | 3.30E-15 |
| chr4       | 102263001      | 102268000    | 7.40E-43 |
| chr4       | 102264001      | 102269000    | 7.63E-45 |
| chr4       | 102265001      | 102270000    | 1.93E-29 |
| chr4       | 102266001      | 102271000    | 2.85E-12 |
| chr4       | 102267001      | 102272000    | 3.16E-34 |
| chr4       | 102268001      | 102273000    | 2.10E-52 |
| chr4       | 102269001      | 102274000    | 5.07E-45 |
| Chr | Start | End   | p-Value       |
|-----|-------|-------|---------------|
| chr4| 102707001 | 102712000 | 1.14E-14      |
| chr4| 102708001 | 102713000 | 4.90E-44      |
| chr4| 102709001 | 102714000 | 8.60E-42      |
| chr4| 102712001 | 102717000 | 2.58E-18      |
| chr4| 103024001 | 103029000 | 0.000959284   |
| chr4| 103025001 | 103030000 | 0.000571926   |
| chr4| 103026001 | 103031000 | 6.91E-06      |
| chr4| 103377001 | 103382000 | 8.84E-10      |
| chr4| 103677001 | 103682000 | 2.26E-15      |
| chr4| 103790001 | 103795000 | 2.33E-25      |
| chr4| 103791001 | 103796000 | 1.38E-11      |
| chr4| 103963001 | 103968000 | 3.73E-06      |
| chr4| 103993001 | 103998000 | 6.58E-50      |
| chr4| 103994001 | 103999000 | 4.92E-53      |
| chr4| 103995001 | 104000000 | 1.97E-79      |
| chr4| 103996001 | 104001000 | 1.15E-77      |
| chr4| 103997001 | 104002000 | 2.97E-77      |
| chr4| 104255001 | 104260000 | 0.006615785   |
| chr4| 104256001 | 104261000 | 0.001202212   |
| chr4| 104322001 | 104327000 | 0.000349357   |
| chr4| 104323001 | 104328000 | 0.005056998   |
| chr4| 104324001 | 104329000 | 0.01317465    |
| chr4| 104325001 | 104330000 | 1.56E-05      |
| chr4| 104378001 | 104383000 | 0.014771264   |
| chr4| 104410001 | 104415000 | 0.00676685    |
| chr4| 104525001 | 104530000 | 4.90E-06      |
| chr4| 104526001 | 104531000 | 3.89E-05      |
| chr4| 104619001 | 104624000 | 6.23E-05      |
| chr4| 104620001 | 104625000 | 3.43E-05      |
| chr4| 104621001 | 104626000 | 1.26E-05      |
| chr4| 104622001 | 104627000 | 4.45E-05      |
| chr4| 104730001 | 104735000 | 9.51E-09      |
| chr4| 104731001 | 104736000 | 1.50E-07      |
| chr4| 104816001 | 104821000 | 6.88E-06      |
| chr4| 104898001 | 104903000 | 0.007682481   |
| chr4| 104899001 | 104904000 | 0.002929128   |
| chr4| 104900001 | 104905000 | 0.003317071   |
| chr4| 104990001 | 104995000 | 0.00048771    |
| chr4| 105058001 | 105063000 | 8.57E-05      |
| chr4| 105088001 | 105093000 | 0.003062562   |
| chr4| 105299001 | 105304000 | 6.84E-06      |
| chr4| 105300001 | 105305000 | 3.80E-05      |
| chr4| 105407001 | 105412000 | 3.09E-10      |
| chr4| 105408001 | 105413000 | 1.65E-33      |
| chr4| 105410001 | 105415000 | 9.10E-23      |
| chr4| 105663001 | 105668000 | 0.009767339   |
| chr4| 105664001 | 105669000 | 0.018687698   |
| chr4| 106004001 | 106009000 | 0.007436213   |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr4       | 110618001 | 110623000 | 2.12E-08  |
| chr4       | 110620001 | 110625000 | 1.22E-12  |
| chr4       | 110624001 | 110629000 | 7.46E-30  |
| chr4       | 110646001 | 110651000 | 2.64E-12  |
| chr4       | 110737001 | 110742000 | 4.68E-20  |
| chr4       | 110828001 | 110833000 | 0.00064356 |
| chr4       | 110922001 | 110927000 | 0.00123039 |
| chr4       | 111113001 | 111118000 | 1.68E-14  |
| chr4       | 111413001 | 111418000 | 0.001429662 |
| chr4       | 111414001 | 111419000 | 0.001252203 |
| chr4       | 111626001 | 111631000 | 0.020688126 |
| chr4       | 111627001 | 111632000 | 0.021818043 |
| chr4       | 112172001 | 112177000 | 0.000718292 |
| chr4       | 112889001 | 112894000 | 3.40E-05  |
| chr4       | 113062001 | 113067000 | 4.77E-21  |
| chr4       | 113065001 | 113070000 | 2.61E-57  |
| chr4       | 113066001 | 113071000 | 9.68E-61  |
| chr4       | 113067001 | 113072000 | 6.41E-41  |
| chr4       | 113148001 | 113153000 | 6.76E-38  |
| chr4       | 113149001 | 113154000 | 8.43E-51  |
| chr4       | 113150001 | 113155000 | 7.59E-47  |
| chr4       | 113151001 | 113156000 | 2.47E-52  |
| chr4       | 113152001 | 113157000 | 4.03E-44  |
| chr4       | 113153001 | 113158000 | 2.53E-62  |
| chr4       | 113368001 | 113373000 | 0.0002484 |
| chr4       | 113414001 | 113419000 | 2.36E-05  |
| chr4       | 113445001 | 113450000 | 7.19E-18  |
| chr4       | 113591001 | 113596000 | 0.0006602281 |
| chr4       | 113623001 | 113628000 | 4.30E-11  |
| chr4       | 113624001 | 113629000 | 2.19E-13  |
| chr4       | 113625001 | 113630000 | 3.02E-10  |
| chr4       | 113626001 | 113631000 | 4.89E-22  |
| chr4       | 113627001 | 113632000 | 4.41E-25  |
| chr4       | 114185001 | 114190000 | 4.99E-06  |
| chr4       | 114682001 | 114687000 | 8.98E-29  |
| chr4       | 114900001 | 114905000 | 1.70E-19  |
| chr4       | 115040001 | 115045000 | 0.001035542 |
| chr4       | 115098001 | 115103000 | 0.00046962 |
| chr4       | 115195001 | 115200000 | 0.002292846 |
| chr4       | 115196001 | 115201000 | 0.000406934 |
| chr4       | 115197001 | 115202000 | 0.001639697 |
| chr4       | 115198001 | 115203000 | 0.002158439 |
| chr4       | 115199001 | 115204000 | 0.002042084 |
| chr4       | 115378001 | 115383000 | 4.97E-07  |
| chr4       | 115379001 | 115384000 | 2.91E-09  |
| chr4       | 115548001 | 115553000 | 0.000966541 |
| chr4       | 115559001 | 115564000 | 5.96E-09  |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr4       | 115631001      | 115636000    | 0.003179171 |
| chr4       | 115632001      | 115637000    | 0.000134123 |
| chr4       | 115657001      | 115662000    | 0.001073906 |
| chr4       | 115872001      | 115877000    | 0.000398487 |
| chr4       | 115873001      | 115878000    | 0.000557197 |
| chr4       | 115874001      | 115879000    | 0.00051289  |
| chr4       | 115985001      | 115990000    | 0.010820468 |
| chr4       | 116228001      | 116233000    | 0.00163747  |
| chr4       | 116307001      | 116312000    | 0.000416525 |
| chr4       | 116315001      | 116320000    | 0.0006558   |
| chr4       | 116316001      | 116321000    | 0.000181529 |
| chr4       | 116317001      | 116322000    | 0.001773546 |
| chr4       | 116378001      | 116383000    | 1.59E-05    |
| chr4       | 116440001      | 116445000    | 0.0019107   |
| chr4       | 116506001      | 116511000    | 0.006331833 |
| chr4       | 116507001      | 116512000    | 0.005472718 |
| chr4       | 116571001      | 116576000    | 1.51E-07    |
| chr4       | 116779001      | 116784000    | 0.000235497 |
| chr4       | 116883001      | 116888000    | 0.005086871 |
| chr4       | 116998001      | 117003000    | 5.01E-07    |
| chr4       | 117000001      | 117005000    | 2.85E-07    |
| chr4       | 117001001      | 117006000    | 1.65E-07    |
| chr4       | 117050001      | 117055000    | 0.001174726 |
| chr4       | 117092001      | 117097000    | 0.000407175 |
| chr4       | 117093001      | 117098000    | 0.000324226 |
| chr4       | 117301001      | 117306000    | 4.69E-05    |
| chr4       | 117730001      | 117735000    | 7.90E-16    |
| chr4       | 117777001      | 117782000    | 8.66E-05    |
| chr4       | 117778001      | 117783000    | 0.000120561 |
| chr4       | 117847001      | 117852000    | 1.58E-19    |
| chr4       | 117890001      | 117895000    | 0.025825642 |
| chr4       | 118002001      | 118007000    | 1.58E-41    |
| chr4       | 118003001      | 118008000    | 8.74E-50    |
| chr4       | 118004001      | 118009000    | 1.19E-54    |
| chr4       | 118005001      | 118010000    | 6.59E-54    |
| chr4       | 118006001      | 118011000    | 1.75E-38    |
| chr4       | 118050001      | 118055000    | 0.000171134 |
| chr4       | 118051001      | 118056000    | 0.003049814 |
| chr4       | 118119001      | 118124000    | 0.001938119 |
| chr4       | 118120001      | 118125000    | 6.68E-05    |
| chr4       | 118543001      | 118548000    | 0.0015744   |
| chr4       | 118544001      | 118549000    | 0.006064261 |
| chr4       | 118608001      | 118613000    | 0.00030269  |
| chr4       | 118659001      | 118664000    | 0.000186669 |
| chr4       | 118663001      | 118668000    | 0.003270596 |
| chr4       | 118925001      | 118930000    | 4.63E-05    |
| chr4       | 118926001      | 118931000    | 7.78E-06    |
| Chr | Start | End   | p-value   |
|-----|-------|-------|-----------|
| chr4 | 118931001 | 118936000 | 6.06E-06  |
| chr4 | 118932001 | 118937000 | 0.000265337 |
| chr4 | 118933001 | 118938000 | 3.83E-05  |
| chr4 | 118993001 | 118998000 | 3.63E-05  |
| chr4 | 118994001 | 118999000 | 9.00E-07  |
| chr4 | 119269001 | 119274000 | 5.60E-12  |
| chr4 | 119271001 | 119276000 | 1.28E-14  |
| chr4 | 119272001 | 119277000 | 4.32E-11  |
| chr4 | 119273001 | 119278000 | 1.22E-16  |
| chr4 | 119274001 | 119279000 | 4.13E-18  |
| chr4 | 119345001 | 119350000 | 1.46E-06  |
| chr4 | 119756001 | 119761000 | 3.94E-19  |
| chr4 | 119757001 | 119762000 | 2.40E-19  |
| chr4 | 119805001 | 119810000 | 7.26E-08  |
| chr4 | 119806001 | 119811000 | 3.02E-12  |
| chr4 | 119807001 | 119812000 | 1.04E-08  |
| chr4 | 119809001 | 119814000 | 2.21E-12  |
| chr4 | 119810001 | 119815000 | 2.75E-10  |
| chr4 | 120134001 | 120139000 | 9.86E-36  |
| chr4 | 120151001 | 120156000 | 0.000278253 |
| chr4 | 120216001 | 120221000 | 8.65E-07  |
| chr4 | 120264001 | 120269000 | 7.55E-05  |
| chr4 | 120371001 | 120376000 | 7.62E-29  |
| chr4 | 120436001 | 120441000 | 0.001047985 |
| chr4 | 120544001 | 120549000 | 1.02E-28  |
| chr4 | 120550001 | 120555000 | 2.32E-21  |
| chr4 | 121363001 | 121368000 | 0.003337425 |
| chr4 | 121448001 | 121453000 | 1.18E-05  |
| chr4 | 121473001 | 121478000 | 5.75E-06  |
| chr4 | 121502001 | 121507000 | 0.000600259 |
| chr4 | 121503001 | 121508000 | 0.000925015 |
| chr4 | 121504001 | 121509000 | 0.000119973 |
| chr4 | 121505001 | 121510000 | 7.49E-05  |
| chr4 | 121509001 | 121514000 | 1.14E-05  |
| chr4 | 121862001 | 121867000 | 3.18E-06  |
| chr4 | 121874001 | 121879000 | 0.001394111 |
| chr4 | 122298001 | 122303000 | 4.75E-22  |
| chr4 | 122299001 | 122304000 | 1.52E-23  |
| chr4 | 122300001 | 122305000 | 1.09E-30  |
| chr4 | 122301001 | 122306000 | 7.52E-30  |
| chr4 | 122302001 | 122307000 | 4.34E-28  |
| chr4 | 122456001 | 122461000 | 0.001286739 |
| chr4 | 122463001 | 122468000 | 6.89E-05  |
| chr4 | 122464001 | 122469000 | 4.79E-05  |
| chr4 | 122613001 | 122618000 | 7.92E-24  |
| chr4 | 122628001 | 122633000 | 1.99E-10  |
| chr4 | 122631001 | 122636000 | 9.69E-21  |
| chr4 | 122632001 | 122637000 | 3.26E-23  |
| Chromosome | Start | End | p-value  |
|------------|-------|-----|----------|
| chr4       | 122633001 | 122638000 | 6.01E-10  |
| chr4       | 122718001 | 122723000 | 1.41E-23  |
| chr4       | 122720001 | 122725000 | 9.44E-36  |
| chr4       | 122721001 | 122726000 | 4.73E-29  |
| chr4       | 122722001 | 122727000 | 4.80E-31  |
| chr4       | 122745001 | 122750000 | 3.93E-35  |
| chr4       | 122787001 | 122792000 | 8.51E-22  |
| chr4       | 122788001 | 122793000 | 1.08E-16  |
| chr4       | 122789001 | 122794000 | 2.02E-12  |
| chr4       | 122790001 | 122795000 | 6.98E-14  |
| chr4       | 122791001 | 122796000 | 3.27E-14  |
| chr4       | 122872001 | 122877000 | 7.80E-20  |
| chr4       | 122873001 | 122878000 | 1.11E-07  |
| chr4       | 122917001 | 122922000 | 0.000423915 |
| chr4       | 122918001 | 122923000 | 0.000803878 |
| chr4       | 122999001 | 123004000 | 0.000622734 |
| chr4       | 123027001 | 123032000 | 4.79E-10 |
| chr4       | 123028001 | 123033000 | 1.19E-12 |
| chr4       | 123029001 | 123034000 | 7.37E-16 |
| chr4       | 123030001 | 123035000 | 1.29E-17 |
| chr4       | 123174001 | 123179000 | 5.36E-05 |
| chr4       | 123472001 | 123477000 | 0.012254925 |
| chr4       | 123542001 | 123547000 | 4.61E-05 |
| chr4       | 123543001 | 123548000 | 7.79E-05 |
| chr4       | 123651001 | 123656000 | 1.51E-54 |
| chr4       | 123652001 | 123657000 | 5.28E-61 |
| chr4       | 123653001 | 123658000 | 4.28E-63 |
| chr4       | 123654001 | 123659000 | 5.01E-34 |
| chr4       | 123744001 | 123749000 | 2.26E-39 |
| chr4       | 123745001 | 123750000 | 2.64E-31 |
| chr4       | 123746001 | 123751000 | 2.39E-38 |
| chr4       | 123747001 | 123752000 | 1.24E-32 |
| chr4       | 123748001 | 123753000 | 4.30E-30 |
| chr4       | 123864001 | 123869000 | 1.05E-13 |
| chr4       | 123865001 | 123870000 | 2.94E-13 |
| chr4       | 123866001 | 123871000 | 1.04E-11 |
| chr4       | 124153001 | 124158000 | 0.003419393 |
| chr4       | 124320001 | 124325000 | 4.10E-19 |
| chr4       | 124636001 | 124641000 | 2.71E-07 |
| chr4       | 124741001 | 124746000 | 0.001049589 |
| chr4       | 124887001 | 124892000 | 0.004762341 |
| chr4       | 125598001 | 125603000 | 0.000382813 |
| chr4       | 125627001 | 125632000 | 0.006309363 |
| chr4       | 125633001 | 125638000 | 7.02E-53 |
| chr4       | 125634001 | 125639000 | 1.84E-21 |
| chr4       | 125859001 | 125864000 | 0.01701032 |
| chr4       | 126413001 | 126418000 | 0.010580977 |
| chr4       | 126833001 | 126838000 | 0.000694346 |
| Chr | Start_pos | End_pos | p_value       |
|-----|------------|---------|---------------|
| chr4| 126834001  | 126839000 | 8.86E-05     |
| chr4| 126835001  | 126840000 | 7.62E-05     |
| chr4| 126836001  | 126841000 | 0.000236199  |
| chr4| 126837001  | 126842000 | 0.000206302  |
| chr4| 126937001  | 126942000 | 0.002292686  |
| chr4| 127037001  | 127042000 | 5.27E-09     |
| chr4| 127038001  | 127043000 | 1.43E-08     |
| chr4| 127039001  | 127044000 | 7.13E-08     |
| chr4| 127040001  | 127045000 | 7.72E-08     |
| chr4| 127177001  | 127182000 | 0.011231699  |
| chr4| 127217001  | 127222000 | 0.001614651  |
| chr4| 127238001  | 127243000 | 5.73E-05     |
| chr4| 127239001  | 127244000 | 0.001290241  |
| chr4| 127416001  | 127421000 | 0.000153232  |
| chr4| 127446001  | 127451000 | 0.000983389  |
| chr4| 127447001  | 127452000 | 0.002893344  |
| chr4| 127630001  | 127635000 | 0.000308529  |
| chr4| 127636001  | 127641000 | 0.00403995   |
| chr4| 127917001  | 127922000 | 0.00625531   |
| chr4| 127973001  | 127978000 | 8.97E-06     |
| chr4| 127976001  | 127981000 | 1.54E-05     |
| chr4| 128089001  | 128094000 | 0.002423188  |
| chr4| 128090001  | 128095000 | 0.009567929  |
| chr4| 128186001  | 128191000 | 0.000143575  |
| chr4| 128397001  | 128402000 | 5.44E-09     |
| chr4| 128398001  | 128403000 | 7.27E-09     |
| chr4| 128422001  | 128427000 | 0.000325001  |
| chr4| 128539001  | 128544000 | 6.98E-16     |
| chr4| 128540001  | 128545000 | 3.52E-22     |
| chr4| 128541001  | 128546000 | 2.95E-22     |
| chr4| 128542001  | 128547000 | 2.14E-16     |
| chr4| 128543001  | 128548000 | 3.53E-12     |
| chr4| 128699001  | 128704000 | 5.84E-44     |
| chr4| 128703001  | 128708000 | 9.42E-51     |
| chr4| 128704001  | 128709000 | 1.89E-11     |
| chr4| 128881001  | 128886000 | 1.72E-12     |
| chr4| 128982001  | 128987000 | 1.94E-30     |
| chr4| 128983001  | 128988000 | 2.47E-12     |
| chr4| 129080001  | 129085000 | 0.008151348  |
| chr4| 129174001  | 129179000 | 0.00089818   |
| chr4| 129208001  | 129213000 | 3.04E-44     |
| chr4| 129209001  | 129214000 | 8.29E-61     |
| chr4| 129210001  | 129215000 | 6.15E-09     |
| chr4| 129470001  | 129475000 | 5.83E-14     |
| chr4| 129473001  | 129478000 | 3.72E-13     |
| chr4| 129727001  | 129732000 | 1.34E-39     |
| chr4| 129728001  | 129733000 | 5.47E-61     |
| chr4| 129729001  | 129734000 | 7.18E-68     |
| Chr  | Start    | End       | P-value  |
|------|----------|-----------|----------|
| chr4 | 129732001| 129737000 | 1.47E-20 |
| chr4 | 130010001| 130015000 | 1.73E-45 |
| chr4 | 130011001| 130016000 | 5.42E-56 |
| chr4 | 130012001| 130017000 | 1.36E-71 |
| chr4 | 130014001| 130019000 | 7.99E-75 |
| chr4 | 130495001| 130500000 | 4.68E-05 |
| chr4 | 130562001| 130567000 | 0.000981733 |
| chr4 | 130603001| 130608000 | 0.000205928 |
| chr4 | 130668001| 130673000 | 0.007998825 |
| chr4 | 130671001| 130676000 | 0.000292406 |
| chr4 | 130672001| 130677000 | 0.00495142 |
| chr4 | 130687001| 130692000 | 0.004181072 |
| chr4 | 130798001| 130803000 | 2.69E-05 |
| chr4 | 130799001| 130804000 | 8.50E-06 |
| chr4 | 130800001| 130805000 | 0.000246327 |
| chr4 | 130801001| 130806000 | 0.001180973 |
| chr4 | 130826001| 130831000 | 0.000109828 |
| chr4 | 130915001| 130920000 | 2.97E-05 |
| chr4 | 130916001| 130921000 | 3.77E-07 |
| chr4 | 130917001| 130922000 | 1.94E-05 |
| chr4 | 130918001| 130923000 | 3.15E-05 |
| chr4 | 130919001| 130924000 | 0.000349619 |
| chr4 | 131575001| 131580000 | 0.000913343 |
| chr4 | 131659001| 131664000 | 0.000635677 |
| chr4 | 131834001| 131839000 | 2.20E-06 |
| chr4 | 131865001| 131870000 | 2.41E-06 |
| chr4 | 132060001| 132065000 | 8.69E-05 |
| chr4 | 132061001| 132066000 | 6.28E-06 |
| chr4 | 132062001| 132067000 | 1.24E-06 |
| chr4 | 132063001| 132068000 | 0.0008922 |
| chr4 | 132209001| 132214000 | 0.002380474 |
| chr4 | 132277001| 132282000 | 1.43E-06 |
| chr4 | 132346001| 132351000 | 2.91E-05 |
| chr4 | 132620001| 132625000 | 0.003284275 |
| chr4 | 132719001| 132724000 | 9.38E-05 |
| chr4 | 133050001| 133055000 | 3.12E-18 |
| chr4 | 133325001| 133330000 | 0.002023535 |
| chr4 | 133387001| 133392000 | 0.000230406 |
| chr4 | 133500001| 133505000 | 0.009821011 |
| chr4 | 133686001| 133691000 | 4.39E-05 |
| chr4 | 133793001| 133798000 | 0.000411285 |
| chr4 | 134076001| 134081000 | 0.002542809 |
| chr4 | 134077001| 134082000 | 0.000484536 |
| chr4 | 134090001| 134095000 | 0.002865536 |
| chr4 | 134091001| 134096000 | 0.001837493 |
| chr4 | 134120001| 134125000 | 4.14E-06 |
| chr4 | 134121001| 134126000 | 3.79E-07 |
| chr4 | 134690001| 134695000 | 0.005603093 |
| Chr | Start Position | End Position | P-value |
|-----|----------------|--------------|---------|
| chr4 | 140223001 | 140228000 | 1.26E-37 |
| chr4 | 140375001 | 140380000 | 2.69E-37 |
| chr4 | 140477001 | 140482000 | 1.20E-11 |
| chr4 | 140478001 | 140483000 | 5.93E-22 |
| chr4 | 141075001 | 141080000 | 1.15E-10 |
| chr4 | 141170001 | 141175000 | 3.13E-18 |
| chr4 | 141171001 | 141176000 | 7.37E-16 |
| chr4 | 141295001 | 141300000 | 6.97E-10 |
| chr4 | 141344001 | 141349000 | 1.25E-40 |
| chr4 | 141345001 | 141350000 | 1.62E-26 |
| chr4 | 141346001 | 141351000 | 7.26E-32 |
| chr4 | 141347001 | 141352000 | 1.52E-45 |
| chr4 | 141348001 | 141353000 | 1.51E-27 |
| chr4 | 141431001 | 141436000 | 7.04E-09 |
| chr4 | 141444001 | 141449000 | 4.95E-40 |
| chr4 | 141445001 | 141450000 | 1.60E-59 |
| chr4 | 141547001 | 141552000 | 0.008143776 |
| chr4 | 141672001 | 141677000 | 2.99E-09 |
| chr4 | 141673001 | 141678000 | 7.45E-32 |
| chr4 | 141674001 | 141679000 | 9.52E-44 |
| chr4 | 141675001 | 141680000 | 6.89E-52 |
| chr4 | 141676001 | 141681000 | 1.11E-69 |
| chr4 | 141677001 | 141682000 | 1.90E-60 |
| chr4 | 141701001 | 141706000 | 1.51E-17 |
| chr4 | 141919001 | 141924000 | 0.019524265 |
| chr4 | 142138001 | 142143000 | 9.54E-18 |
| chr4 | 142139001 | 142144000 | 1.02E-30 |
| chr4 | 142140001 | 142145000 | 2.05E-23 |
| chr4 | 142141001 | 142146000 | 1.24E-41 |
| chr4 | 142142001 | 142147000 | 2.25E-51 |
| chr4 | 142466001 | 142471000 | 4.82E-07 |
| chr4 | 142553001 | 142558000 | 1.06E-25 |
| chr4 | 142555001 | 142560000 | 3.34E-43 |
| chr4 | 142556001 | 142561000 | 1.44E-47 |
| chr4 | 142557001 | 142562000 | 7.78E-48 |
| chr4 | 142558001 | 142563000 | 1.51E-35 |
| chr4 | 143080001 | 143085000 | 0.00132205 |
| chr4 | 143214001 | 143219000 | 0.000153867 |
| chr4 | 143324001 | 143329000 | 7.62E-06 |
| chr4 | 143441001 | 143446000 | 9.43E-06 |
| chr4 | 143442001 | 143447000 | 0.000215067 |
| chr4 | 143443001 | 143448000 | 1.38E-05 |
| chr4 | 143444001 | 143449000 | 9.57E-06 |
| chr4 | 143445001 | 143450000 | 3.21E-05 |
| chr4 | 143497001 | 143502000 | 0.010807027 |
| chr4 | 143498001 | 143503000 | 0.007616556 |
| chr4 | 143499001 | 143504000 | 0.00261984 |
| chr4 | 143762001 | 143767000 | 2.78E-05 |
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chr4       | 143768001      | 143773000    | 5.38E-27 |
| chr4       | 143887001      | 143892000    | 0.002813461 |
| chr4       | 144254001      | 144259000    | 1.93E-15 |
| chr4       | 144430001      | 144435000    | 3.32E-85 |
| chr4       | 144431001      | 144436000    | 1.13E-96 |
| chr4       | 144432001      | 144437000    | 5.07E-64 |
| chr4       | 144434001      | 144439000    | 7.59E-38 |
| chr4       | 144435001      | 144440000    | 7.18E-49 |
| chr4       | 144555001      | 144560000    | 0.002488515 |
| chr4       | 144565001      | 144570000    | 0.000420832 |
| chr4       | 144566001      | 144571000    | 0.000622978 |
| chr4       | 144568001      | 144573000    | 0.00073387 |
| chr4       | 144569001      | 144574000    | 0.003699631 |
| chr4       | 144617001      | 144622000    | 1.43E-16 |
| chr4       | 144618001      | 144623000    | 2.97E-13 |
| chr4       | 144620001      | 144625000    | 1.93E-15 |
| chr4       | 144621001      | 144626000    | 1.77E-15 |
| chr4       | 144659001      | 144664000    | 1.70E-06 |
| chr4       | 144671001      | 144676000    | 0.00122352 |
| chr4       | 144672001      | 144677000    | 6.52E-06 |
| chr4       | 144737001      | 144742000    | 0.001229546 |
| chr4       | 144810001      | 144815000    | 2.01E-05 |
| chr4       | 144816001      | 144821000    | 0.000187023 |
| chr4       | 144817001      | 144822000    | 1.06E-05 |
| chr4       | 144838001      | 144843000    | 2.99E-05 |
| chr4       | 144842001      | 144847000    | 0.002408436 |
| chr4       | 144846001      | 144851000    | 6.29E-05 |
| chr4       | 144847001      | 144852000    | 1.01E-05 |
| chr4       | 144848001      | 144853000    | 1.41E-06 |
| chr4       | 144849001      | 144854000    | 0.001395034 |
| chr4       | 144860001      | 144865000    | 0.018708005 |
| chr4       | 144936001      | 144941000    | 0.007113468 |
| chr4       | 144937001      | 144942000    | 0.009524981 |
| chr4       | 145015001      | 145020000    | 0.001040676 |
| chr4       | 145210001      | 145215000    | 0.017349008 |
| chr4       | 145211001      | 145216000    | 0.021006817 |
| chr4       | 145212001      | 145217000    | 0.009258396 |
| chr4       | 145263001      | 145268000    | 7.74E-08 |
| chr4       | 145930001      | 145935000    | 4.65E-07 |
| chr4       | 146002001      | 146007000    | 3.07E-05 |
| chr4       | 146101001      | 146106000    | 5.21E-21 |
| chr4       | 146236001      | 146241000    | 5.65E-06 |
| chr4       | 146237001      | 146242000    | 7.53E-05 |
| chr4       | 146260001      | 146265000    | 0.002206975 |
| chr4       | 146398001      | 146403000    | 1.06E-14 |
| chr4       | 146399001      | 146404000    | 1.60E-60 |
| chr4       | 146400001      | 146405000    | 1.38E-55 |
| chr4       | 146401001      | 146406000    | 3.89E-61 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr4       | 146403001      | 146480000    | 6.04E-41|
| chr4       | 146479001      | 146484000    | 1.47E-06|
| chr4       | 146502001      | 146507000    | 0.031036192|
| chr4       | 146650001      | 146655000    | 1.30E-17|
| chr4       | 146651001      | 146656000    | 5.71E-17|
| chr4       | 146653001      | 146658000    | 7.25E-15|
| chr4       | 146978001      | 146983000    | 0.000558583|
| chr4       | 147019001      | 147024000    | 0.01109035|
| chr4       | 147092001      | 147097000    | 4.49E-29|
| chr4       | 147094001      | 147099000    | 2.45E-41|
| chr4       | 147095001      | 147100000    | 4.02E-61|
| chr4       | 147096001      | 147101000    | 1.50E-54|
| chr4       | 147097001      | 147102000    | 4.38E-45|
| chr4       | 147515001      | 147520000    | 2.39E-06|
| chr4       | 147516001      | 147521000    | 4.74E-05|
| chr4       | 147517001      | 147522000    | 5.22E-06|
| chr4       | 147518001      | 147523000    | 5.72E-06|
| chr4       | 147519001      | 147524000    | 0.001418982|
| chr4       | 147535001      | 147540000    | 1.70E-05|
| chr4       | 147542001      | 147547000    | 0.000162855|
| chr4       | 147575001      | 147580000    | 1.30E-17|
| chr4       | 147576001      | 147581000    | 6.48E-21|
| chr4       | 147666001      | 147671000    | 1.10E-05|
| chr4       | 147667001      | 147672000    | 1.74E-06|
| chr4       | 147668001      | 147673000    | 1.52E-12|
| chr4       | 147669001      | 147674000    | 1.45E-06|
| chr4       | 147727001      | 147732000    | 2.48E-13|
| chr4       | 147728001      | 147733000    | 5.29E-09|
| chr4       | 147756001      | 147761000    | 0.003153175|
| chr4       | 147757001      | 147762000    | 0.00152218|
| chr4       | 147768001      | 147773000    | 0.001783981|
| chr4       | 147814001      | 147819000    | 1.37E-05|
| chr4       | 147867001      | 147872000    | 9.97E-23|
| chr4       | 148015001      | 148020000    | 0.004041295|
| chr4       | 148016001      | 148021000    | 0.004802341|
| chr4       | 148037001      | 148042000    | 2.17E-05|
| chr4       | 148038001      | 148043000    | 0.000142214|
| chr4       | 148039001      | 148044000    | 0.000135424|
| chr4       | 148075001      | 148080000    | 3.86E-16|
| chr4       | 148076001      | 148081000    | 3.82E-11|
| chr4       | 148077001      | 148082000    | 4.71E-14|
| chr4       | 148079001      | 148084000    | 1.05E-13|
| chr4       | 148111001      | 148116000    | 3.96E-07|
| chr4       | 148112001      | 148117000    | 0.000415572|
| chr4       | 148398001      | 148403000    | 7.51E-19|
| chr4       | 148534001      | 148539000    | 1.62E-21|
| chr4       | 148535001      | 148540000    | 6.61E-27|
| chr4       | 148653001      | 148658000    | 1.36E-53|
| Chromosome | Start | End   | Score       |
|------------|-------|-------|-------------|
| chr4       | 148869001 | 148874000 | 1.62E-05   |
| chr4       | 149211001 | 149216000 | 0.000458215 |
| chr4       | 149242001 | 149247000 | 6.74E-08   |
| chr4       | 149366001 | 149371000 | 2.56E-27   |
| chr4       | 149367001 | 149372000 | 1.20E-10   |
| chr4       | 149551001 | 149556000 | 0.00050932 |
| chr4       | 149568001 | 149573000 | 0.002362979 |
| chr4       | 149739001 | 149744000 | 5.53E-05   |
| chr4       | 149740001 | 149745000 | 0.001431222 |
| chr4       | 149830001 | 149835000 | 0.000143122 |
| chr4       | 150232001 | 150237000 | 8.95E-05   |
| chr4       | 150233001 | 150238000 | 4.70E-05   |
| chr4       | 150234001 | 150239000 | 3.11E-06   |
| chr4       | 150255001 | 150260000 | 4.44E-05   |
| chr4       | 150256001 | 150261000 | 7.89E-06   |
| chr4       | 150338001 | 150343000 | 0.001427164 |
| chr4       | 150339001 | 150344000 | 0.000515543 |
| chr4       | 150340001 | 150345000 | 0.002015713 |
| chr4       | 150430001 | 150435000 | 0.006511671 |
| chr4       | 150431001 | 150436000 | 0.00659391 |
| chr4       | 150511001 | 150516000 | 6.20E-07   |
| chr4       | 150576001 | 150581000 | 9.35E-05   |
| chr4       | 150618001 | 150623000 | 0.00651535 |
| chr4       | 150619001 | 150624000 | 0.010142263 |
| chr4       | 150620001 | 150625000 | 0.005202992 |
| chr4       | 150874001 | 150879000 | 0.004966784 |
| chr4       | 150876001 | 150881000 | 0.018775312 |
| chr4       | 150995001 | 151000000 | 2.39E-41   |
| chr4       | 150996001 | 151001000 | 1.27E-51   |
| chr4       | 150997001 | 151002000 | 2.12E-49   |
| chr4       | 150998001 | 151003000 | 1.98E-58   |
| chr4       | 150999001 | 151004000 | 5.71E-51   |
| chr4       | 151000001 | 151005000 | 9.15E-43   |
| chr4       | 151210001 | 151215000 | 0.002147225 |
| chr4       | 151320001 | 151325000 | 0.003099043 |
| chr4       | 151513001 | 151518000 | 1.06E-05   |
| chr4       | 151600001 | 151605000 | 0.003084213 |
| chr4       | 151601001 | 151606000 | 0.006486215 |
| chr4       | 151618001 | 151623000 | 6.67E-05   |
| chr4       | 151745001 | 151750000 | 0.000228733 |
| chr4       | 151865001 | 151870000 | 0.001003655 |
| chr4       | 151867001 | 151872000 | 0.000340039 |
| chr4       | 151936001 | 151941000 | 4.75E-27   |
| chr4       | 151937001 | 151942000 | 3.00E-22   |
| chr4       | 152016001 | 152021000 | 1.47E-18   |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr4       | 152246001      | 152251000    | 5.10E-28|
| chr4       | 152288001      | 152293000    | 1.32E-08|
| chr4       | 152289001      | 152294000    | 1.04E-06|
| chr4       | 152290001      | 152295000    | 1.13E-06|
| chr4       | 152291001      | 152296000    | 2.98E-06|
| chr4       | 152325001      | 152330000    | 5.86E-38|
| chr4       | 152326001      | 152331000    | 2.53E-44|
| chr4       | 152327001      | 152332000    | 1.60E-30|
| chr4       | 152328001      | 152333000    | 1.27E-19|
| chr4       | 152329001      | 152334000    | 1.18E-09|
| chr4       | 152330001      | 152335000    | 5.28E-24|
| chr4       | 152436001      | 152441000    | 1.34E-07|
| chr4       | 152437001      | 152442000    | 3.65E-07|
| chr4       | 152469001      | 152474000    | 0.000499068|
| chr4       | 152470001      | 152475000    | 0.000224103|
| chr4       | 152665001      | 152670000    | 3.42E-06|
| chr4       | 152754001      | 152759000    | 6.33E-05|
| chr4       | 152755001      | 152760000    | 1.63E-05|
| chr4       | 152757001      | 152762000    | 0.000248668|
| chr4       | 152889001      | 152894000    | 0.002866801|
| chr4       | 152900001      | 152905000    | 0.000166389|
| chr4       | 153043001      | 153048000    | 0.003016124|
| chr4       | 153452001      | 153457000    | 3.35E-15|
| chr4       | 153453001      | 153458000    | 2.96E-21|
| chr4       | 153455001      | 153460000    | 1.11E-21|
| chr4       | 153456001      | 153461000    | 8.24E-30|
| chr4       | 153457001      | 153462000    | 2.54E-11|
| chr4       | 153597001      | 153602000    | 8.73E-12|
| chr4       | 153598001      | 153603000    | 5.55E-13|
| chr4       | 153599001      | 153604000    | 8.18E-07|
| chr4       | 153701001      | 153706000    | 1.19E-50|
| chr4       | 153852001      | 153857000    | 2.26E-12|
| chr4       | 153853001      | 153858000    | 3.56E-40|
| chr4       | 153854001      | 153859000    | 1.79E-38|
| chr4       | 153856001      | 153861000    | 2.91E-24|
| chr4       | 153857001      | 153862000    | 2.88E-26|
| chr4       | 154070001      | 154075000    | 1.40E-26|
| chr4       | 154139001      | 154144000    | 2.40E-16|
| chr4       | 154261001      | 154266000    | 8.58E-05|
| chr4       | 154383001      | 154388000    | 7.60E-14|
| chr4       | 154601001      | 154606000    | 1.32E-32|
| chr4       | 154602001      | 154607000    | 5.52E-34|
| chr4       | 154603001      | 154608000    | 6.23E-24|
| chr4       | 154604001      | 154609000    | 1.35E-26|
| chr4       | 154605001      | 154610000    | 8.36E-30|
| chr4       | 154679001      | 154684000    | 3.92E-13|
| chr4       | 154747001      | 154752000    | 6.72E-06|
| chr4       | 154912001      | 154917000    | 0.001933549|
| Chr  | Start   | End     | P-value      |
|------|---------|---------|--------------|
| chr4 | 154913001 | 154918000 | 1.00E-04     |
| chr4 | 154914001 | 154919000 | 9.61E-06     |
| chr4 | 154974001 | 154979000 | 2.68E-07     |
| chr4 | 154975001 | 154980000 | 7.53E-10     |
| chr4 | 154976001 | 154981000 | 1.53E-09     |
| chr4 | 155087001 | 155092000 | 5.49E-05     |
| chr4 | 155088001 | 155093000 | 3.95E-06     |
| chr4 | 155089001 | 155094000 | 5.18E-08     |
| chr4 | 155090001 | 155095000 | 4.12E-07     |
| chr4 | 155105001 | 155110000 | 0.001544959  |
| chr4 | 155109001 | 155114000 | 2.39E-08     |
| chr4 | 155111001 | 155116000 | 1.30E-05     |
| chr4 | 155112001 | 155117000 | 6.00E-05     |
| chr4 | 1551183001 | 1551188000 | 1.55E-06    |
| chr4 | 155226001 | 155231000 | 0.006963752  |
| chr4 | 155299001 | 155304000 | 0.000219884  |
| chr4 | 155338001 | 155343000 | 8.94E-24     |
| chr4 | 155359001 | 155364000 | 0.002521717  |
| chr4 | 155467001 | 155472000 | 1.24E-27     |
| chr4 | 155468001 | 155473000 | 2.20E-29     |
| chr4 | 155469001 | 155474000 | 6.09E-24     |
| chr4 | 155470001 | 155475000 | 5.00E-17     |
| chr4 | 155471001 | 155476000 | 8.65E-14     |
| chr4 | 155544001 | 155549000 | 4.50E-19     |
| chr4 | 155545001 | 155550000 | 2.35E-20     |
| chr4 | 155546001 | 155551000 | 1.58E-18     |
| chr4 | 155547001 | 155552000 | 2.53E-21     |
| chr4 | 155548001 | 155553000 | 6.14E-29     |
| chr4 | 155570001 | 155575000 | 0.000424894  |
| chr4 | 1555718001 | 155723000 | 6.05E-05     |
| chr4 | 155719001 | 155724000 | 1.07E-05     |
| chr4 | 155870001 | 155875000 | 0.000231319  |
| chr4 | 155974001 | 155979000 | 0.006843416  |
| chr4 | 156015001 | 156020000 | 1.15E-07     |
| chr4 | 156016001 | 156021000 | 3.42E-09     |
| chr4 | 156017001 | 156022000 | 1.09E-05     |
| chr4 | 156018001 | 156023000 | 1.16E-08     |
| chr4 | 156019001 | 156024000 | 1.15E-05     |
| chr4 | 156020001 | 156025000 | 1.55E-06     |
| chr4 | 156050001 | 156055000 | 0.000150998  |
| chr4 | 156051001 | 156056000 | 0.000553697  |
| chr4 | 156052001 | 156057000 | 0.001685027  |
| chr4 | 156130001 | 156135000 | 7.30E-17     |
| chr4 | 156149001 | 156154000 | 0.004520856  |
| chr4 | 156150001 | 156155000 | 0.008480437  |
| chr4 | 156293001 | 156298000 | 4.62E-54     |
| chr4 | 156294001 | 156299000 | 6.53E-60     |
| chr4 | 156295001 | 156300000 | 8.23E-56     |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr4       | 156296001 | 156301000 | 1.08E-58  |
| chr4       | 156297001 | 156302000 | 4.51E-45  |
| chr4       | 156584001 | 156589000 | 3.73E-34   |
| chr4       | 156676001 | 156681000 | 2.20E-35   |
| chr4       | 156678001 | 156683000 | 2.23E-39   |
| chr4       | 156679001 | 156684000 | 3.70E-41   |
| chr4       | 156680001 | 156685000 | 7.39E-46   |
| chr4       | 156681001 | 156686000 | 4.02E-26   |
| chr4       | 156820001 | 156877000 | 0.016786918|
| chr4       | 156683001 | 156688000 | 0.027145025|
| chr4       | 156789001 | 156794000 | 6.27E-05   |
| chr4       | 156873001 | 156878000 | 3.63E-31   |
| chr4       | 156874001 | 156879000 | 5.63E-34   |
| chr4       | 156875001 | 156880000 | 1.08E-22   |
| chr4       | 156968001 | 156973000 | 0.002129505|
| chr4       | 157993001 | 157998000 | 4.18E-52   |
| chr4       | 157994001 | 157999000 | 2.26E-63   |
| chr4       | 157995001 | 158000000 | 4.34E-65   |
| chr4       | 157996001 | 158001000 | 3.09E-45   |
| chr4       | 157997001 | 158002000 | 2.43E-54   |
| chr4       | 158260001 | 158265000 | 0.011875287|
| chr4       | 158261001 | 158266000 | 0.003641669|
| chr4       | 158262001 | 158267000 | 0.004271232|
| chr4       | 158263001 | 158268000 | 0.005903071|
| chr4       | 158459001 | 158464000 | 3.28E-05   |
| chr4       | 158460001 | 158465000 | 9.62E-05   |
| chr4       | 158461001 | 158466000 | 0.000173495|
| chr4       | 158523001 | 158528000 | 1.78E-05   |
| chr4       | 158524001 | 158529000 | 8.43E-06   |
| chr4       | 158525001 | 158530000 | 1.41E-05   |
| chr4       | 159344001 | 159349000 | 2.42E-10   |
| chr4       | 159345001 | 159350000 | 1.33E-13   |
| chr4       | 159422001 | 159427000 | 0.000366714|
| chr4       | 159511001 | 159516000 | 3.46E-12   |
| chr4       | 159588001 | 159593000 | 1.86E-24   |
| chr4       | 159589001 | 159594000 | 3.58E-37   |
| chr4       | 159590001 | 159595000 | 8.55E-56   |
| chr4       | 159591001 | 159596000 | 4.37E-60   |
| chr4       | 159592001 | 159597000 | 4.05E-56   |
| chr4       | 159593001 | 159598000 | 1.59E-77   |
| chr4       | 159644001 | 159649000 | 3.92E-10   |
| chr4       | 159686001 | 159691000 | 1.81E-32   |
| chr4       | 159687001 | 159692000 | 2.22E-44   |
| chr4       | 159688001 | 159693000 | 9.71E-34   |
| chr4       | 159689001 | 159694000 | 5.77E-36   |
| chr4       | 159690001 | 159695000 | 5.88E-39   |
| chr4       | 160019001 | 160024000 | 2.23E-12   |
| Chr  | Start | End   | p-value     |
|------|-------|-------|-------------|
| chr4 | 160020001 | 160025000 | 2.56E-22    |
| chr4 | 160021001 | 160026000 | 8.07E-23    |
| chr4 | 160025001 | 160030000 | 1.26E-21    |
| chr4 | 160897001 | 160920000 | 2.03E-06    |
| chr4 | 160898001 | 160903000 | 1.29E-05    |
| chr4 | 161947001 | 161952000 | 3.64E-07    |
| chr4 | 161956001 | 161961000 | 0.01079261  |
| chr4 | 162128001 | 162133000 | 0.01003508  |
| chr4 | 162129001 | 162134000 | 0.01118208  |
| chr4 | 162130001 | 162135000 | 0.01071829  |
| chr4 | 162763001 | 162768000 | 0.00142245  |
| chr4 | 163080001 | 163085000 | 0.00140189  |
| chr4 | 163457001 | 163462000 | 0.00079442  |
| chr4 | 163458001 | 163463000 | 0.00185724  |
| chr4 | 163467001 | 163472000 | 3.39E-06    |
| chr4 | 163468001 | 163473000 | 1.93E-06    |
| chr4 | 163469001 | 163474000 | 2.80E-07    |
| chr4 | 163470001 | 163475000 | 1.81E-09    |
| chr4 | 163587001 | 163592000 | 0.003659945 |
| chr4 | 163884001 | 163899000 | 0.000101674 |
| chr4 | 163885001 | 163890000 | 5.06E-05    |
| chr4 | 163950001 | 163955000 | 0.000971911 |
| chr4 | 164088001 | 164093000 | 1.01E-21    |
| chr4 | 164161001 | 164166000 | 0.001343391 |
| chr4 | 164229001 | 164234000 | 0.000302168 |
| chr4 | 164243001 | 164248000 | 0.00037312  |
| chr4 | 164244001 | 164249000 | 0.000297097 |
| chr4 | 164245001 | 164250000 | 0.000222573 |
| chr4 | 164246001 | 164251000 | 0.001622414 |
| chr4 | 164248001 | 164253000 | 2.95E-09    |
| chr4 | 164342001 | 164347000 | 5.35E-05    |
| chr4 | 164411001 | 164416000 | 1.46E-57    |
| chr4 | 164412001 | 164417000 | 2.10E-52    |
| chr4 | 164413001 | 164418000 | 1.40E-24    |
| chr4 | 164414001 | 164419000 | 1.29E-25    |
| chr4 | 164812001 | 164817000 | 0.000427534 |
| chr4 | 164813001 | 164818000 | 0.000756842 |
| chr4 | 164815001 | 164820000 | 0.000334542 |
| chr4 | 165083001 | 165088000 | 0.018026553 |
| chr4 | 165168001 | 165173000 | 0.018192439 |
| chr4 | 165364001 | 165369000 | 0.001863032 |
| chr4 | 165365001 | 165370000 | 0.001533281 |
| chr4 | 165555001 | 165560000 | 6.14E-05    |
| chr4 | 165556001 | 165561000 | 7.45E-06    |
| chr4 | 165573001 | 165578000 | 7.67E-11    |
| chr4 | 165592001 | 165597000 | 5.29E-15    |
| chr4 | 165874001 | 165879000 | 5.06E-25    |
| chr4 | 165875001 | 165880000 | 1.43E-23    |
| Chromosome | Start Base | End Base | P-Value |
|------------|------------|----------|---------|
| chr4       | 165876001  | 165881000| 6.33E-27|
| chr4       | 165877001  | 165882000| 1.90E-17|
| chr4       | 166124001  | 166129000| 2.24E-30|
| chr4       | 166128001  | 166133000| 6.15E-38|
| chr4       | 166129001  | 166134000| 7.23E-24|
| chr4       | 166159001  | 166164000| 0.000363091|
| chr4       | 166210001  | 166215000| 3.45E-06|
| chr4       | 166300001  | 166305000| 7.42E-42|
| chr4       | 166313001  | 166318000| 4.01E-294|
| chr4       | 166642001  | 166647000| 0.00032743|
| chr4       | 166643001  | 166648000| 0.000735702|
| chr4       | 166790001  | 166795000| 4.25E-20|
| chr4       | 166791001  | 166796000| 2.98E-22|
| chr4       | 166792001  | 166797000| 4.27E-38|
| chr4       | 166793001  | 166798000| 3.02E-29|
| chr4       | 166794001  | 166799000| 1.59E-31|
| chr4       | 166795001  | 166800000| 3.80E-22|
| chr4       | 166796001  | 166801000| 3.04E-07|
| chr4       | 167667001  | 167672000| 9.24E-05|
| chr4       | 168151001  | 168156000| 9.53E-34|
| chr4       | 168155001  | 168160000| 3.80E-24|
| chr4       | 168548001  | 168553000| 4.97E-21|
| chr4       | 168549001  | 168554000| 1.18E-12|
| chr4       | 168653001  | 168658000| 0.001161416|
| chr4       | 168654001  | 168659000| 0.000379996|
| chr4       | 168655001  | 168660000| 0.000128551|
| chr4       | 169235001  | 169240000| 1.77E-25|
| chr4       | 169236001  | 169241000| 3.52E-26|
| chr4       | 169237001  | 169242000| 2.63E-24|
| chr4       | 169238001  | 169243000| 5.77E-21|
| chr4       | 169239001  | 169244000| 2.48E-16|
| chr4       | 169449001  | 169454000| 0.003158638|
| chr4       | 169587001  | 169592000| 0.00433035|
| chr4       | 169737001  | 169742000| 4.58E-08|
| chr4       | 169738001  | 169743000| 2.22E-10|
| chr4       | 169749001  | 169754000| 3.07E-39|
| chr4       | 169750001  | 169755000| 5.04E-39|
| chr4       | 169751001  | 169756000| 4.77E-21|
| chr4       | 169752001  | 169757000| 2.76E-38|
| chr4       | 169753001  | 169758000| 4.91E-59|
| chr4       | 169754001  | 169759000| 1.59E-34|
| chr4       | 169795001  | 169800000| 2.55E-11|
| chr4       | 169796001  | 169801000| 2.24E-09|
| chr4       | 169798001  | 169803000| 5.16E-08|
| chr4       | 170191001  | 170196000| 1.36E-21|
| chr4       | 170192001  | 170197000| 1.41E-19|
| chr4       | 170374001  | 170379000| 2.47E-12|
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr4       | 170375001      | 170380000    | 5.11E-13|
| chr4       | 170438001      | 170443000    | 1.45E-06|
| chr4       | 170529001      | 170534000    | 4.79E-22|
| chr4       | 170675001      | 170680000    | 5.14E-31|
| chr4       | 170943001      | 170948000    | 5.72E-71|
| chr4       | 170945001      | 170950000    | 7.37E-63|
| chr4       | 170948001      | 170953000    | 7.97E-17|
| chr4       | 171006001      | 171011000    | 2.84E-33|
| chr4       | 171007001      | 171012000    | 8.41E-41|
| chr4       | 171011001      | 171016000    | 3.50E-16|
| chr4       | 171042001      | 171047000    | 8.07E-05|
| chr4       | 171073001      | 171078000    | 0.002234287|
| chr4       | 171076001      | 171081000    | 0.001396895|
| chr4       | 171180001      | 171185000    | 1.23E-08|
| chr4       | 171181001      | 171186000    | 0.000249133|
| chr4       | 171204001      | 171209000    | 0.000259129|
| chr4       | 171205001      | 171210000    | 0.004378125|
| chr4       | 171206001      | 171211000    | 0.000151536|
| chr4       | 171239001      | 171244000    | 3.56E-07|
| chr4       | 171240001      | 171245000    | 2.24E-06|
| chr4       | 171241001      | 171246000    | 2.56E-06|
| chr4       | 171242001      | 171247000    | 8.59E-05|
| chr4       | 171564001      | 171569000    | 2.73E-05|
| chr4       | 171832001      | 171837000    | 1.87E-05|
| chr4       | 171833001      | 171838000    | 6.53E-07|
| chr4       | 172148001      | 172153000    | 0.002980385|
| chr4       | 172149001      | 172154000    | 0.002719718|
| chr4       | 172178001      | 172183000    | 0.016867357|
| chr4       | 172179001      | 172184000    | 0.02385215|
| chr4       | 172248001      | 172253000    | 9.80E-05|
| chr4       | 172249001      | 172254000    | 7.57E-05|
| chr4       | 172405001      | 172410000    | 2.31E-06|
| chr4       | 172406001      | 172411000    | 3.04E-06|
| chr4       | 172408001      | 172413000    | 0.00262031|
| chr4       | 172734001      | 172739000    | 1.67E-39|
| chr4       | 172997001      | 173002000    | 0.004457718|
| chr4       | 172998001      | 173003000    | 0.000985729|
| chr4       | 173494001      | 173499000    | 3.87E-05|
| chr4       | 173495001      | 173500000    | 3.59E-06|
| chr4       | 173701001      | 173706000    | 0.00189928|
| chr4       | 174085001      | 174090000    | 1.75E-16|
| chr4       | 174086001      | 174091000    | 5.12E-71|
| chr4       | 174087001      | 174092000    | 2.99E-65|
| chr4       | 174088001      | 174093000    | 2.92E-29|
| chr4       | 174250001      | 174255000    | 5.81E-36|
| chr4       | 174251001      | 174256000    | 7.15E-50|
| chr4       | 174254001      | 174259000    | 3.77E-39|
| chr4       | 174255001      | 174260000    | 3.71E-42|
| Chromosome | Start Position | End Position | Log10(p-value) |
|------------|----------------|--------------|----------------|
| chr4       | 180668001      | 180673000    | 8.91E-06       |
| chr4       | 180669001      | 180674000    | 0.000213102    |
| chr4       | 181016001      | 181021000    | 0.000154909    |
| chr4       | 181224001      | 181229000    | 0.002059584    |
| chr4       | 181229001      | 181234000    | 0.00432787     |
| chr4       | 181230001      | 181235000    | 0.001442573    |
| chr4       | 181231001      | 181236000    | 7.86E-05       |
| chr4       | 181375001      | 181380000    | 2.95E-10       |
| chr4       | 181377001      | 181382000    | 6.09E-09       |
| chr4       | 181653001      | 181658000    | 0.001751664    |
| chr4       | 181961001      | 181966000    | 0.0013427      |
| chr4       | 182217001      | 182222000    | 0.001473686    |
| chr4       | 182218001      | 182223000    | 0.000669755    |
| chr4       | 182253001      | 182258000    | 0.000179424    |
| chr4       | 182254001      | 182259000    | 2.07E-05       |
| chr4       | 182255001      | 182260000    | 3.40E-07       |
| chr4       | 182256001      | 182261000    | 8.82E-07       |
| chr4       | 182416001      | 182421000    | 0.000104448    |
| chr4       | 182417001      | 182422000    | 0.002340377    |
| chr4       | 182435001      | 182440000    | 3.23E-11       |
| chr4       | 182436001      | 182441000    | 8.03E-09       |
| chr4       | 182490001      | 182495000    | 1.52E-05       |
| chr4       | 182491001      | 182496000    | 2.44E-05       |
| chr4       | 182492001      | 182497000    | 4.73E-05       |
| chr4       | 182519001      | 182524000    | 7.07E-05       |
| chr4       | 182520001      | 182525000    | 0.010234549    |
| chr4       | 182621001      | 182626000    | 4.45E-10       |
| chr4       | 182698001      | 182703000    | 2.09E-08       |
| chr4       | 182852001      | 182857000    | 2.55E-06       |
| chr4       | 183052001      | 183057000    | 6.95E-06       |
| chr4       | 183053001      | 183058000    | 2.04E-07       |
| chr4       | 183054001      | 183059000    | 1.78E-06       |
| chr4       | 183055001      | 183060000    | 6.54E-06       |
| chr4       | 183066001      | 183071000    | 1.46E-38       |
| chr4       | 183365001      | 183370000    | 2.80E-36       |
| chr4       | 183366001      | 183371000    | 8.44E-42       |
| chr4       | 183367001      | 183372000    | 3.50E-27       |
| chr4       | 183370001      | 183375000    | 7.84E-26       |
| chr4       | 183455001      | 183460000    | 1.23E-06       |
| chr4       | 183727001      | 183732000    | 1.44E-10       |
| chr4       | 183750001      | 183755000    | 3.84E-08       |
| chr4       | 184016001      | 184021000    | 2.36E-32       |
| chr4       | 184017001      | 184022000    | 5.36E-26       |
| chr4       | 184020001      | 184025000    | 6.60E-39       |
| chr4       | 184366001      | 184371000    | 2.26E-52       |
| chr4       | 184421001      | 184426000    | 9.19E-41       |
| chr4       | 184422001      | 184427000    | 2.99E-67       |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr4       | 184576001      | 184581000    | 7.90E-37 |
| chr4       | 184577001      | 184582000    | 2.96E-40 |
| chr4       | 184579001      | 184584000    | 7.15E-35 |
| chr4       | 184580001      | 184585000    | 2.61E-40 |
| chr4       | 184714001      | 184719000    | 3.15E-53 |
| chr4       | 184715001      | 184720000    | 6.35E-60 |
| chr4       | 184716001      | 184721000    | 1.03E-72 |
| chr4       | 184717001      | 184722000    | 1.79E-81 |
| chr4       | 184718001      | 184723000    | 7.49E-61 |
| chr4       | 184719001      | 184724000    | 3.35E-43 |
| chr4       | 184827001      | 184832000    | 1.83E-17 |
| chr4       | 184847001      | 184852000    | 2.69E-18 |
| chr4       | 184947001      | 184952000    | 1.65E-09 |
| chr4       | 184957001      | 184962000    | 2.40E-33 |
| chr4       | 184958001      | 184963000    | 3.42E-27 |
| chr4       | 184959001      | 184964000    | 9.56E-23 |
| chr4       | 184960001      | 184965000    | 7.69E-18 |
| chr4       | 184961001      | 184966000    | 2.28E-21 |
| chr4       | 185137001      | 185142000    | 8.84E-10 |
| chr4       | 185138001      | 185143000    | 1.17E-10 |
| chr4       | 185139001      | 185144000    | 2.66E-11 |
| chr4       | 185140001      | 185145000    | 8.20E-08 |
| chr4       | 185381001      | 185386000    | 0.00127798 |
| chr4       | 185390001      | 185395000    | 1.59E-24 |
| chr4       | 185440001      | 185445000    | 0.00107419 |
| chr4       | 185565001      | 185570000    | 2.72E-28 |
| chr4       | 185568001      | 185573000    | 7.38E-45 |
| chr4       | 185569001      | 185574000    | 3.06E-30 |
| chr4       | 185596001      | 185601000    | 5.86E-09 |
| chr4       | 185742001      | 185747000    | 5.72E-58 |
| chr4       | 185743001      | 185748000    | 1.04E-45 |
| chr4       | 185744001      | 185749000    | 1.30E-38 |
| chr4       | 185745001      | 185750000    | 1.20E-32 |
| chr4       | 185746001      | 185751000    | 8.35E-40 |
| chr4       | 185747001      | 185752000    | 4.73E-28 |
| chr4       | 186045001      | 186050000    | 7.79E-27 |
| chr4       | 186046001      | 186051000    | 6.56E-22 |
| chr4       | 186047001      | 186052000    | 7.50E-20 |
| chr4       | 186049001      | 186054000    | 3.55E-18 |
| chr4       | 186060001      | 186065000    | 4.93E-23 |
| chr4       | 186061001      | 186066000    | 3.14E-13 |
| chr4       | 186063001      | 186068000    | 6.58E-19 |
| chr4       | 186064001      | 186069000    | 5.41E-25 |
| chr4       | 186120001      | 186125000    | 3.34E-22 |
| chr4       | 186121001      | 186126000    | 1.20E-41 |
| chr4       | 186122001      | 186127000    | 2.24E-18 |
| chr4       | 186123001      | 186128000    | 5.54E-19 |
| chr4       | 186124001      | 186129000    | 5.15E-19 |
| chr4 | 186126001 | 186131000 | 1.82E-12 |
|------|-----------|-----------|-----------|
| chr4 | 186127001 | 186132000 | 2.43E-19 |
| chr4 | 186128001 | 186133000 | 2.18E-17 |
| chr4 | 186135001 | 186140000 | 6.63E-11 |
| chr4 | 186136001 | 186141000 | 1.05E-10 |
| chr4 | 186316001 | 186321000 | 4.59E-66 |
| chr4 | 186317001 | 186322000 | 9.02E-78 |
| chr4 | 186318001 | 186323000 | 8.22E-40 |
| chr4 | 186392001 | 186407000 | 6.63E-11 |
| chr4 | 186452001 | 186457000 | 4.56E-31 |
| chr4 | 186453001 | 186458000 | 1.86E-29 |
| chr4 | 186454001 | 186459000 | 4.11E-38 |
| chr4 | 186455001 | 186460000 | 2.24E-49 |
| chr4 | 186456001 | 186461000 | 1.13E-36 |
| chr4 | 186504001 | 186509000 | 2.89E-15 |
| chr4 | 186627001 | 186632000 | 0.003513147 |
| chr4 | 186628001 | 186633000 | 1.31E-09 |
| chr4 | 186707001 | 186712000 | 4.29E-06 |
| chr4 | 186708001 | 186713000 | 2.00E-05 |
| chr4 | 186709001 | 186714000 | 1.52E-06 |
| chr4 | 187004001 | 187009000 | 9.28E-07 |
| chr4 | 187005001 | 187010000 | 0.000455231 |
| chr4 | 187006001 | 187011000 | 0.000929251 |
| chr4 | 187007001 | 187012000 | 0.000108492 |
| chr4 | 187008001 | 187013000 | 8.24E-06 |
| chr4 | 187061001 | 187066000 | 2.31E-13 |
| chr4 | 187062001 | 187067000 | 4.84E-30 |
| chr4 | 187063001 | 187068000 | 5.67E-23 |
| chr4 | 187064001 | 187069000 | 5.96E-31 |
| chr4 | 187065001 | 187070000 | 1.77E-29 |
| chr4 | 187066001 | 187071000 | 5.33E-30 |
| chr4 | 187100001 | 187105000 | 4.52E-10 |
| chr4 | 187101001 | 187106000 | 1.68E-14 |
| chr4 | 187110001 | 187115000 | 1.24E-43 |
| chr4 | 187111001 | 187116000 | 1.65E-63 |
| chr4 | 187112001 | 187117000 | 8.33E-75 |
| chr4 | 187113001 | 187118000 | 2.30E-49 |
| chr4 | 187139001 | 187144000 | 0.00093527 |
| chr4 | 187140001 | 187145000 | 3.59E-06 |
| chr4 | 187174001 | 187179000 | 0.000129103 |
| chr4 | 187308001 | 187313000 | 0.000244948 |
| chr4 | 187640001 | 187645000 | 3.47E-25 |
| chr4 | 187648001 | 187653000 | 6.56E-23 |
| chr4 | 188497001 | 188502000 | 0.000249679 |
| chr4 | 188522001 | 188527000 | 0.005735399 |
| chr4 | 188574001 | 188579000 | 0.000136021 |
| chr4 | 188764001 | 188769000 | 4.89E-05 |
| chr4 | 189369001 | 189374000 | 9.12E-07 |
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|---------------|
| chr4       | 189370001 | 189375000 | 1.90E-06 |
| chr4       | 189531001 | 189536000 | 0.005624364 |
| chr4       | 190054001 | 190059000 | 1.31E-21 |
| chr4       | 190079001 | 190084000 | 1.96E-07 |
| chr4       | 190080001 | 190085000 | 2.08E-06 |
| chr4       | 190081001 | 190086000 | 1.29E-06 |
| chr4       | 190097001 | 190102000 | 7.66E-06 |
| chr4       | 190147001 | 190152000 | 0.017498583 |
| chr4       | 190161001 | 190166000 | 5.95E-07 |
| chr4       | 190209001 | 190214000 | 0.000640587 |
| chr4       | 190286001 | 190291000 | 8.27E-05 |
| chr4       | 190301001 | 190306000 | 5.32E-12 |
| chr4       | 190325001 | 190330000 | 0.011214876 |
| chr4       | 190356001 | 190361000 | 9.22E-09 |
| chr4       | 190390001 | 190395000 | 4.36E-05 |
| chr4       | 190391001 | 190396000 | 1.63E-05 |
| chr4       | 190438001 | 190443000 | 0.001657722 |
| chr4       | 190729001 | 190734000 | 3.56E-08 |
| chr4       | 190730001 | 190735000 | 6.80E-10 |
| chr4       | 190731001 | 190736000 | 3.94E-21 |
| chr4       | 190732001 | 190737000 | 5.16E-22 |
| chr4       | 190769001 | 190774000 | 3.10E-06 |
| chr5       | 120001   | 125000  | 1.45E-10 |
| chr5       | 121001   | 126000  | 3.00E-08 |
| chr5       | 214001   | 219000  | 6.42E-28 |
| chr5       | 340001   | 345000  | 9.50E-31 |
| chr5       | 341001   | 346000  | 2.68E-17 |
| chr5       | 612001   | 617000  | 2.89E-37 |
| chr5       | 888001   | 893000  | 3.54E-68 |
| chr5       | 889001   | 894000  | 1.67E-100 |
| chr5       | 890001   | 895000  | 1.38E-38 |
| chr5       | 892001   | 897000  | 1.71E-69 |
| chr5       | 893001   | 898000  | 7.47E-48 |
| chr5       | 1798001  | 1803000 | 3.61E-60 |
| chr5       | 1929001  | 1934000 | 7.01E-16 |
| chr5       | 1930001  | 1935000 | 6.51E-20 |
| chr5       | 2034001  | 2039000 | 3.15E-35 |
| chr5       | 2232001  | 2237000 | 6.82E-09 |
| chr5       | 2233001  | 2238000 | 4.01E-09 |
| chr5       | 2926001  | 2931000 | 1.58E-14 |
| chr5       | 3166001  | 3171000 | 4.45E-06 |
| chr5       | 3195001  | 3200000 | 1.55E-23 |
| chr5       | 3253001  | 3258000 | 7.41E-14 |
| chr5       | 3296001  | 3301000 | 1.54E-08 |
| chr5       | 3297001  | 3302000 | 3.66E-08 |
| chr5       | 3357001  | 3362000 | 2.56E-12 |
| chr5       | 3358001  | 3363000 | 4.49E-07 |
| chr5       | 3365001  | 3370000 | 3.28E-07 |
| chr5 |  3440001 |  3445000 |    7.04E-15 |
| chr5 |  3475001 |  3480000 |     3.34E-09 |
| chr5 |  3476001 |  3481000 |     7.61E-12 |
| chr5 |  3477001 |  3482000 |     1.12E-13 |
| chr5 |  3498001 |  3503000 |     4.71E-10 |
| chr5 |  3555001 |  3560000 |   0.002272155 |
| chr5 |  3557001 |  3562000 |   0.002429379 |
| chr5 |  3558001 |  3563000 |   0.002158336 |
| chr5 |  3559001 |  3564000 |     8.76E-06 |
| chr5 |  3560001 |  3565000 |     4.39E-05 |
| chr5 |  3562001 |  3567000 |     5.63E-16 |
| chr5 |  3725001 |  3730000 |     4.09E-14 |
| chr5 |  3727001 |  3732000 |     1.05E-12 |
| chr5 |  3756001 |  3761000 |     9.52E-12 |
| chr5 |  3801001 |  3806000 |     3.93E-09 |
| chr5 |  3832001 |  3837000 |     1.29E-06 |
| chr5 |  3833001 |  3838000 |     1.30E-05 |
| chr5 |  3915001 |  3920000 |     3.30E-08 |
| chr5 |  3916001 |  3921000 |     5.03E-07 |
| chr5 |  3951001 |  3956000 |     1.39E-10 |
| chr5 |  3952001 |  3957000 |     4.31E-06 |
| chr5 |  4045001 |  4050000 |     5.19E-10 |
| chr5 |  4046001 |  4051000 |     3.94E-09 |
| chr5 |  4053001 |  4058000 |     1.79E-05 |
| chr5 |  4054001 |  4059000 |  0.000359012 |
| chr5 |  4082001 |  4087000 |     5.70E-15 |
| chr5 |  4112001 |  4117000 |     2.55E-21 |
| chr5 |  4113001 |  4118000 |     4.85E-24 |
| chr5 |  4114001 |  4119000 |     1.32E-17 |
| chr5 |  4150001 |  4155000 |  0.000226628 |
| chr5 |  4421001 |  4426000 |     1.05E-05 |
| chr5 |  4426001 |  4431000 |     9.55E-09 |
| chr5 |  4467001 |  4472000 |  0.00080307 |
| chr5 |  4468001 |  4473000 |  0.000130486 |
| chr5 |  4469001 |  4474000 |     6.20E-05 |
| chr5 |  4470001 |  4475000 |     1.30E-05 |
| chr5 |  4482001 |  4487000 |     1.78E-06 |
| chr5 |  4484001 |  4489000 |  0.000533006 |
| chr5 |  4510001 |  4515000 |     2.39E-20 |
| chr5 |  4512001 |  4517000 |     1.11E-29 |
| chr5 |  4513001 |  4518000 |     3.21E-08 |
| chr5 |  4524001 |  4529000 |     4.08E-10 |
| chr5 |  4549001 |  4554000 |     1.54E-10 |
| chr5 |  4587001 |  4592000 |     1.27E-07 |
| chr5 |  4588001 |  4593000 |     5.58E-07 |
| chr5 |  4589001 |  4594000 |     3.31E-10 |
| chr5 |  4590001 |  4595000 |     8.93E-08 |
| chr5 |  4598001 |  4603000 |     3.28E-05 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr5       | 4599001        | 4604000      | 7.66E-05 |
| chr5       | 4601001        | 4606000      | 0.000777957 |
| chr5       | 4602001        | 4607000      | 2.48E-07 |
| chr5       | 4603001        | 4608000      | 4.11E-07 |
| chr5       | 4606001        | 4611000      | 4.72E-18 |
| chr5       | 4607001        | 4612000      | 2.08E-17 |
| chr5       | 4608001        | 4613000      | 1.46E-16 |
| chr5       | 4609001        | 4614000      | 1.05E-19 |
| chr5       | 4610001        | 4615000      | 3.91E-16 |
| chr5       | 4619001        | 4624000      | 6.93E-11 |
| chr5       | 4622001        | 4627000      | 0.000233263 |
| chr5       | 4630001        | 4658000      | 7.19E-08 |
| chr5       | 4654001        | 4659000      | 1.87E-08 |
| chr5       | 4662001        | 4667000      | 1.48E-11 |
| chr5       | 4663001        | 4668000      | 3.59E-16 |
| chr5       | 4664001        | 4669000      | 3.04E-13 |
| chr5       | 4665001        | 4670000      | 6.63E-10 |
| chr5       | 4666001        | 4671000      | 2.13E-09 |
| chr5       | 4667001        | 4672000      | 7.56E-08 |
| chr5       | 4669001        | 4674000      | 2.27E-13 |
| chr5       | 4681001        | 4686000      | 3.39E-05 |
| chr5       | 4683001        | 4688000      | 3.57E-06 |
| chr5       | 4684001        | 4689000      | 2.15E-08 |
| chr5       | 4685001        | 4690000      | 5.69E-07 |
| chr5       | 4686001        | 4691000      | 5.08E-05 |
| chr5       | 4687001        | 4692000      | 0.001932302 |
| chr5       | 4701001        | 4706000      | 2.79E-07 |
| chr5       | 4702001        | 4707000      | 1.34E-08 |
| chr5       | 4718001        | 4723000      | 4.22E-13 |
| chr5       | 4719001        | 4724000      | 5.49E-13 |
| chr5       | 4746001        | 4751000      | 1.18E-14 |
| chr5       | 4747001        | 4752000      | 1.11E-17 |
| chr5       | 4748001        | 4753000      | 2.01E-16 |
| chr5       | 4749001        | 4754000      | 8.21E-11 |
| chr5       | 4759001        | 4764000      | 2.46E-06 |
| chr5       | 4760001        | 4765000      | 2.64E-06 |
| chr5       | 4761001        | 4766000      | 7.32E-09 |
| chr5       | 4839001        | 4844000      | 4.46E-25 |
| chr5       | 4840001        | 4845000      | 2.38E-27 |
| chr5       | 4841001        | 4846000      | 4.30E-31 |
| chr5       | 4842001        | 4847000      | 9.99E-33 |
| chr5       | 4969001        | 4974000      | 1.85E-08 |
| chr5       | 4970001        | 4975000      | 2.11E-05 |
| chr5       | 4971001        | 4976000      | 4.20E-11 |
| chr5       | 4972001        | 4977000      | 1.86E-07 |
| chr5       | 4995001        | 5000000      | 9.20E-07 |
| chr5       | 4996001        | 5001000      | 3.59E-06 |
| chr5       | 4997001        | 5002000      | 1.16E-05 |
| chr5 | 4999001 | 5004000 | 7.69E-05 |
|------|---------|---------|----------|
| chr5 | 5006001 | 5011000 | 1.63E-06 |
| chr5 | 5031001 | 5036000 | 1.08E-15 |
| chr5 | 5098001 | 5103000 | 0.00123344 |
| chr5 | 5423001 | 5428000 | 7.51E-52 |
| chr5 | 5525001 | 5530000 | 7.19E-07 |
| chr5 | 5526001 | 5531000 | 5.11E-07 |
| chr5 | 5527001 | 5532000 | 7.24E-08 |
| chr5 | 5729001 | 5734000 | 6.92E-15 |
| chr5 | 5736001 | 5741000 | 1.38E-15 |
| chr5 | 5737001 | 5742000 | 1.23E-15 |
| chr5 | 5738001 | 5743000 | 4.11E-16 |
| chr5 | 5739001 | 5744000 | 1.70E-07 |
| chr5 | 5740001 | 5745000 | 7.91E-07 |
| chr5 | 5791001 | 5796000 | 1.14E-11 |
| chr5 | 5841001 | 5846000 | 9.02E-14 |
| chr5 | 5851001 | 5856000 | 2.24E-12 |
| chr5 | 5852001 | 5857000 | 5.23E-13 |
| chr5 | 5853001 | 5858000 | 1.22E-15 |
| chr5 | 5854001 | 5859000 | 4.00E-10 |
| chr5 | 5875001 | 5880000 | 4.07E-08 |
| chr5 | 5931001 | 5936000 | 2.46E-10 |
| chr5 | 5955001 | 5960000 | 1.83E-06 |
| chr5 | 5957001 | 5962000 | 2.67E-09 |
| chr5 | 5983001 | 5988000 | 0.000752291 |
| chr5 | 5991001 | 5996000 | 9.51E-11 |
| chr5 | 5992001 | 5997000 | 2.74E-10 |
| chr5 | 5994001 | 5999000 | 5.82E-13 |
| chr5 | 5995001 | 6000000 | 3.79E-13 |
| chr5 | 5996001 | 6001000 | 4.83E-10 |
| chr5 | 6050001 | 6055000 | 0.000537761 |
| chr5 | 6052001 | 6057000 | 0.000271199 |
| chr5 | 6060001 | 6065000 | 9.58E-11 |
| chr5 | 6297001 | 6302000 | 8.04E-18 |
| chr5 | 6298001 | 6303000 | 3.01E-20 |
| chr5 | 6299001 | 6304000 | 3.09E-14 |
| chr5 | 6300001 | 6305000 | 1.69E-15 |
| chr5 | 6374001 | 6379000 | 2.13E-68 |
| chr5 | 6375001 | 6380000 | 4.36E-34 |
| chr5 | 6376001 | 6381000 | 3.53E-30 |
| chr5 | 6377001 | 6382000 | 1.30E-33 |
| chr5 | 6378001 | 6383000 | 7.79E-53 |
| chr5 | 6709001 | 6714000 | 5.57E-45 |
| chr5 | 6710001 | 6715000 | 8.95E-52 |
| chr5 | 6967001 | 6972000 | 0.000155134 |
| chr5 | 6970001 | 6975000 | 3.57E-07 |
| chr5 | 6977001 | 6982000 | 7.11E-10 |
| chr5 | 6984001 | 6989000 | 4.16E-09 |
| Chr | Start | End   | p-value       |
|-----|-------|-------|---------------|
| 5   | 6988001 | 6993000 | 2.99E-09     |
| 5   | 6990001 | 6995000 | 2.85E-06     |
| 5   | 6991001 | 6996000 | 5.000148053  |
| 5   | 6993001 | 6998000 | 6.95E-07     |
| 5   | 7047001 | 7052000 | 7.00E-05     |
| 5   | 7048001 | 7053000 | 8.24E-07     |
| 5   | 7049001 | 7054000 | 2.89E-06     |
| 5   | 7082001 | 7087000 | 8.14E-13     |
| 5   | 7083001 | 7088000 | 4.83E-11     |
| 5   | 7118001 | 7123000 | 5.08E-06     |
| 5   | 7119001 | 7124000 | 2.60E-09     |
| 5   | 7120001 | 7125000 | 2.10E-09     |
| 5   | 7121001 | 7126000 | 1.34E-11     |
| 5   | 7122001 | 7127000 | 3.84E-11     |
| 5   | 7239001 | 7244000 | 1.65E-08     |
| 5   | 7241001 | 7246000 | 3.69E-08     |
| 5   | 7270001 | 7275000 | 2.00E-20     |
| 5   | 7271001 | 7276000 | 2.15E-16     |
| 5   | 7311001 | 7316000 | 6.70E-10     |
| 5   | 7334001 | 7339000 | 2.76E-07     |
| 5   | 7335001 | 7340000 | 1.11E-07     |
| 5   | 7336001 | 7341000 | 5.94E-05     |
| 5   | 7337001 | 7342000 | 0.00011234   |
| 5   | 7341001 | 7346000 | 1.55E-10     |
| 5   | 7342001 | 7347000 | 7.97E-19     |
| 5   | 7343001 | 7348000 | 3.29E-20     |
| 5   | 7350001 | 7355000 | 8.73E-11     |
| 5   | 7351001 | 7356000 | 3.71E-12     |
| 5   | 7352001 | 7357000 | 8.63E-13     |
| 5   | 7392001 | 7397000 | 4.70E-46     |
| 5   | 7420001 | 7425000 | 1.60E-12     |
| 5   | 7421001 | 7426000 | 3.20E-14     |
| 5   | 7422001 | 7427000 | 3.68E-21     |
| 5   | 7423001 | 7428000 | 1.50E-18     |
| 5   | 7424001 | 7429000 | 6.78E-15     |
| 5   | 7425001 | 7430000 | 2.51E-10     |
| 5   | 7448001 | 7453000 | 1.82E-11     |
| 5   | 7450001 | 7455000 | 1.39E-07     |
| 5   | 7453001 | 7458000 | 1.86E-11     |
| 5   | 7454001 | 7459000 | 1.40E-13     |
| 5   | 7455001 | 7460000 | 4.84E-13     |
| 5   | 7464001 | 7469000 | 2.23E-06     |
| 5   | 7465001 | 7470000 | 1.10E-07     |
| 5   | 7466001 | 7471000 | 2.49E-07     |
| 5   | 7467001 | 7472000 | 5.32E-08     |
| 5   | 7493001 | 7498000 | 5.69E-10     |
| 5   | 7508001 | 7513000 | 1.39E-12     |
| 5   | 7509001 | 7514000 | 7.23E-12     |
| Chromosome | Start Position | End Position | P-value  |
|------------|----------------|--------------|----------|
| chr5       | 751001         | 7515000      | 1.08E-07 |
| chr5       | 7511001        | 7516000      | 6.37E-11 |
| chr5       | 7521001        | 7526000      | 3.98E-16 |
| chr5       | 7522001        | 7527000      | 1.94E-26 |
| chr5       | 7523001        | 7528000      | 4.04E-22 |
| chr5       | 7524001        | 7529000      | 1.16E-21 |
| chr5       | 7525001        | 7530000      | 3.21E-20 |
| chr5       | 7526001        | 7531000      | 4.67E-15 |
| chr5       | 7533001        | 7538000      | 5.41E-12 |
| chr5       | 7558001        | 7563000      | 1.00E-20 |
| chr5       | 7559001        | 7564000      | 1.26E-20 |
| chr5       | 7569001        | 7574000      | 7.33E-06 |
| chr5       | 7570001        | 7575000      | 0.000284128 |
| chr5       | 7571001        | 7576000      | 0.000167684 |
| chr5       | 7572001        | 7577000      | 1.00E-06 |
| chr5       | 7573001        | 7578000      | 6.58E-05 |
| chr5       | 7604001        | 7609000      | 4.10E-05 |
| chr5       | 7605001        | 7610000      | 7.31E-06 |
| chr5       | 7606001        | 7611000      | 1.13E-09 |
| chr5       | 7607001        | 7612000      | 2.25E-10 |
| chr5       | 7653001        | 7658000      | 1.49E-23 |
| chr5       | 7654001        | 7659000      | 2.98E-20 |
| chr5       | 7691001        | 7696000      | 9.85E-27 |
| chr5       | 7692001        | 7697000      | 2.01E-21 |
| chr5       | 7704001        | 7709000      | 2.31E-18 |
| chr5       | 7732001        | 7737000      | 0.000480183 |
| chr5       | 7733001        | 7738000      | 0.0001535 |
| chr5       | 7739001        | 7744000      | 4.42E-11 |
| chr5       | 7740001        | 7745000      | 1.72E-11 |
| chr5       | 7741001        | 7746000      | 4.20E-13 |
| chr5       | 7748001        | 7753000      | 4.18E-08 |
| chr5       | 7749001        | 7754000      | 1.64E-06 |
| chr5       | 7750001        | 7755000      | 4.33E-06 |
| chr5       | 7805001        | 7810000      | 1.43E-15 |
| chr5       | 7806001        | 7811000      | 3.61E-13 |
| chr5       | 7807001        | 7812000      | 1.15E-22 |
| chr5       | 7808001        | 7813000      | 6.64E-21 |
| chr5       | 7809001        | 7814000      | 7.18E-16 |
| chr5       | 7846001        | 7851000      | 3.41E-20 |
| chr5       | 7864001        | 7869000      | 4.50E-43 |
| chr5       | 7865001        | 7870000      | 2.94E-63 |
| chr5       | 7918001        | 7923000      | 2.08E-05 |
| chr5       | 7919001        | 7924000      | 0.00135534 |
| chr5       | 7939001        | 7944000      | 2.98E-14 |
| chr5       | 7940001        | 7945000      | 2.86E-13 |
| chr5       | 7950001        | 7955000      | 1.02E-11 |
| chr5       | 8001001        | 8006000      | 1.73E-05 |
| chr5       | 8002001        | 8007000      | 7.79E-07 |
| Chr  | Start | End   | Value  |
|------|-------|-------|--------|
| chr5 | 801601| 802100| 0.009283545 |
| chr5 | 803701| 804200| 3.46E-05  |
| chr5 | 803801| 804300| 1.32E-06  |
| chr5 | 809301| 809800| 2.83E-09  |
| chr5 | 822801| 823300| 7.34E-10  |
| chr5 | 822901| 823400| 8.28E-16  |
| chr5 | 823101| 823600| 8.54E-08  |
| chr5 | 823701| 824200| 5.33E-08  |
| chr5 | 825601| 826100| 9.49E-11  |
| chr5 | 825701| 826200| 3.24E-13  |
| chr5 | 825801| 826300| 4.92E-10  |
| chr5 | 825901| 826400| 1.33E-11  |
| chr5 | 826001| 826500| 4.06E-10  |
| chr5 | 845301| 845800| 2.36E-25  |
| chr5 | 845701| 846200| 3.12E-45  |
| chr5 | 848101| 848600| 7.21E-06  |
| chr5 | 848201| 848700| 0.001529562 |
| chr5 | 848301| 848800| 0.000173627 |
| chr5 | 855801| 856300| 7.83E-06  |
| chr5 | 877801| 878300| 3.09E-06  |
| chr5 | 896701| 897200| 0.000456344 |
| chr5 | 934701| 935200| 0.006662693 |
| chr5 | 949201| 949700| 0.006311933 |
| chr5 | 954101| 954600| 3.13E-79  |
| chr5 | 980501| 981000| 1.65E-06  |
| chr5 | 998601| 999100| 6.08E-08  |
| chr5 | 1043701| 1044200| 5.43E-58  |
| chr5 | 1056401| 1056900| 2.27E-17  |
| chr5 | 1059701| 1060200| 5.50E-08  |
| chr5 | 1069501| 1070000| 1.69E-19  |
| chr5 | 1076101| 1076600| 3.82E-27  |
| chr5 | 1144201| 1144700| 5.34E-13  |
| chr5 | 1163801| 1164300| 3.69E-08  |
| chr5 | 1163901| 1164400| 1.16E-06  |
| chr5 | 11640001| 11645000| 4.02E-08  |
| chr5 | 1164101| 11646000| 4.35E-09  |
| chr5 | 1164201| 11647000| 8.43E-06  |
| chr5 | 1168301| 11688000| 0.000245987 |
| chr5 | 1180701| 11812000| 1.40E-05  |
| chr5 | 1184401| 11849000| 6.38E-06  |
| chr5 | 1184501| 11850000| 3.51E-07  |
| chr5 | 1189201| 11897000| 9.32E-05  |
| chr5 | 1204001| 12045000| 7.93E-07  |
| chr5 | 1219001| 12224000| 0.000671119 |
| chr5 | 1222001| 12225000| 0.00161376 |
| chr5 | 1229101| 12296000| 2.52E-05  |
| chr5 | 1229201| 12297000| 1.32E-05  |
| chr5 | 1229301| 12298000| 5.42E-07  |
| Chr  | Start pos | End pos | p-value   |
|------|-----------|---------|-----------|
| chr5 | 12294001  | 12299000| 2.68E-06  |
| chr5 | 12505001  | 12510000| 2.07E-05  |
| chr5 | 12618001  | 12623000| 0.000439817 |
| chr5 | 12620001  | 12625000| 0.000378596 |
| chr5 | 12755001  | 12760000| 6.20E-09  |
| chr5 | 12756001  | 12761000| 5.43E-08  |
| chr5 | 13029001  | 13034000| 1.84E-14  |
| chr5 | 13030001  | 13035000| 0.000322988 |
| chr5 | 14144001  | 14149000| 9.13E-48  |
| chr5 | 14660001  | 14665000| 2.02E-52  |
| chr5 | 14661001  | 14666000| 4.23E-49  |
| chr5 | 14662001  | 14667000| 1.21E-56  |
| chr5 | 14663001  | 14668000| 7.71E-57  |
| chr5 | 14870001  | 14875000| 1.74E-53  |
| chr5 | 14871001  | 14876000| 2.02E-62  |
| chr5 | 14872001  | 14877000| 4.02E-57  |
| chr5 | 15125001  | 15130000| 4.29E-06  |
| chr5 | 15176001  | 15181000| 1.28E-06  |
| chr5 | 15177001  | 15182000| 5.87E-05  |
| chr5 | 15256001  | 15261000| 0.006120117 |
| chr5 | 15305001  | 15310000| 1.08E-12  |
| chr5 | 15306001  | 15311000| 9.81E-18  |
| chr5 | 15336001  | 15341000| 7.92E-06  |
| chr5 | 15337001  | 15342000| 1.81E-09  |
| chr5 | 15349001  | 15354000| 0.000399367 |
| chr5 | 15362001  | 15367000| 3.76E-05  |
| chr5 | 15373001  | 15378000| 4.78E-06  |
| chr5 | 15374001  | 15379000| 3.52E-14  |
| chr5 | 15375001  | 15380000| 2.01E-05  |
| chr5 | 15376001  | 15381000| 1.56E-08  |
| chr5 | 15430001  | 15435000| 2.97E-05  |
| chr5 | 15452001  | 15457000| 7.16E-07  |
| chr5 | 15454001  | 15459000| 2.58E-07  |
| chr5 | 15455001  | 15460000| 1.18E-06  |
| chr5 | 15456001  | 15461000| 4.88E-08  |
| chr5 | 15457001  | 15462000| 2.47E-07  |
| chr5 | 15458001  | 15463000| 3.38E-07  |
| chr5 | 15462001  | 15467000| 5.08E-05  |
| chr5 | 15463001  | 15468000| 2.78E-06  |
| chr5 | 15464001  | 15469000| 9.31E-06  |
| chr5 | 15496001  | 15501000| 3.02E-40  |
| chr5 | 15500001  | 15505000| 2.57E-53  |
| chr5 | 15558001  | 15563000| 6.55E-06  |
| chr5 | 15559001  | 15564000| 8.33E-06  |
| chr5 | 15567001  | 15572000| 3.10E-13  |
| chr5 | 15568001  | 15573000| 8.86E-12  |
| chr5 | 15571001  | 15576000| 5.49E-07  |
| chr5 | 15623001  | 15628000| 6.38E-09  |
| Chr | Start | End   | Value   |
|-----|-------|-------|---------|
| chr5 | 15624001 | 15629000 | 2.92E-09 |
| chr5 | 15625001 | 15630000 | 1.78E-06 |
| chr5 | 15632001 | 15637000 | 4.21E-09 |
| chr5 | 15633001 | 15638000 | 1.14E-07 |
| chr5 | 15656001 | 15661000 | 6.73E-11 |
| chr5 | 15657001 | 15662000 | 3.90E-10 |
| chr5 | 15707001 | 15712000 | 1.24E-07 |
| chr5 | 15708001 | 15713000 | 1.33E-09 |
| chr5 | 15764001 | 15769000 | 4.35E-10 |
| chr5 | 15766001 | 15771000 | 2.67E-09 |
| chr5 | 15845001 | 15850000 | 0.000115979 |
| chr5 | 15876001 | 15881000 | 5.51E-10 |
| chr5 | 15877001 | 15882000 | 6.36E-09 |
| chr5 | 16157001 | 16162000 | 9.34E-05 |
| chr5 | 16171001 | 16176000 | 2.12E-09 |
| chr5 | 16172001 | 16177000 | 1.55E-09 |
| chr5 | 16466001 | 16471000 | 3.80E-34 |
| chr5 | 16612001 | 16617000 | 1.20E-38 |
| chr5 | 16613001 | 16618000 | 1.11E-42 |
| chr5 | 16614001 | 16619000 | 3.78E-34 |
| chr5 | 16617001 | 16622000 | 5.44E-17 |
| chr5 | 16934001 | 16939000 | 5.04E-54 |
| chr5 | 16935001 | 16940000 | 1.17E-73 |
| chr5 | 16936001 | 16941000 | 1.49E-41 |
| chr5 | 18447001 | 18452000 | 0.001054951 |
| chr5 | 18448001 | 18453000 | 0.000276373 |
| chr5 | 18585001 | 18590000 | 3.69E-07 |
| chr5 | 18586001 | 18591000 | 1.70E-07 |
| chr5 | 18587001 | 18592000 | 1.91E-08 |
| chr5 | 18588001 | 18593000 | 2.65E-09 |
| chr5 | 19310001 | 19315000 | 7.90E-08 |
| chr5 | 19944001 | 19949000 | 0.006879367 |
| chr5 | 20113001 | 20118000 | 0.001791611 |
| chr5 | 20270001 | 20275000 | 0.001048755 |
| chr5 | 20389001 | 20394000 | 0.000857305 |
| chr5 | 20405001 | 20410000 | 1.76E-05 |
| chr5 | 20406001 | 20411000 | 5.33E-05 |
| chr5 | 20540001 | 20545000 | 0.000567724 |
| chr5 | 20766001 | 20771000 | 3.76E-06 |
| chr5 | 20767001 | 20772000 | 9.88E-07 |
| chr5 | 20894001 | 20899000 | 1.13E-07 |
| chr5 | 21339001 | 21344000 | 6.40E-30 |
| chr5 | 21340001 | 21345000 | 7.39E-27 |
| chr5 | 21341001 | 21346000 | 2.48E-25 |
| chr5 | 21455001 | 21460000 | 8.56E-39 |
| chr5 | 21456001 | 21461000 | 6.62E-39 |
| chr5 | 21457001 | 21462000 | 1.73E-22 |
| chr5 | 21459001 | 21464000 | 1.23E-21 |
| Chromosome | Start Position | End Position | FDR |
|------------|----------------|--------------|-----|
| chr5       | 22353001       | 22358000     | 0.001010837 |
| chr5       | 22683001       | 22688000     | 1.08E-07 |
| chr5       | 22684001       | 22689000     | 2.34E-08 |
| chr5       | 22685001       | 22690000     | 2.62E-08 |
| chr5       | 23833001       | 23838000     | 1.05E-06 |
| chr5       | 24860001       | 24865000     | 0.000359331 |
| chr5       | 25268001       | 25273000     | 0.00022512 |
| chr5       | 26336001       | 26341000     | 4.03E-05 |
| chr5       | 26846001       | 26851000     | 2.11E-08 |
| chr5       | 27749001       | 27754000     | 1.09E-06 |
| chr5       | 27972001       | 27977000     | 4.49E-05 |
| chr5       | 28158001       | 28163000     | 0.028544926 |
| chr5       | 28557001       | 28562000     | 6.20E-06 |
| chr5       | 28563001       | 28568000     | 0.000473507 |
| chr5       | 28614001       | 28619000     | 0.002699498 |
| chr5       | 28657001       | 28662000     | 2.06E-15 |
| chr5       | 28658001       | 28663000     | 1.07E-16 |
| chr5       | 28659001       | 28664000     | 5.29E-15 |
| chr5       | 28660001       | 28665000     | 2.09E-18 |
| chr5       | 28661001       | 28666000     | 8.13E-16 |
| chr5       | 28662001       | 28667000     | 1.16E-05 |
| chr5       | 28663001       | 28668000     | 0.00375301 |
| chr5       | 28669001       | 28674000     | 4.54E-05 |
| chr5       | 28735001       | 28740000     | 1.93E-07 |
| chr5       | 28736001       | 28741000     | 9.65E-08 |
| chr5       | 29073001       | 29078000     | 0.021561731 |
| chr5       | 29704001       | 29709000     | 0.001319285 |
| chr5       | 29794001       | 29799000     | 0.000439984 |
| chr5       | 29908001       | 29913000     | 0.005623734 |
| chr5       | 31042001       | 31047000     | 1.77E-07 |
| chr5       | 31189001       | 31194000     | 3.25E-07 |
| chr5       | 31231001       | 31236000     | 1.66E-05 |
| chr5       | 32440001       | 32445000     | 9.63E-20 |
| chr5       | 32441001       | 32446000     | 1.10E-09 |
| chr5       | 32442001       | 32447000     | 9.25E-15 |
| chr5       | 32443001       | 32448000     | 2.88E-24 |
| chr5       | 32444001       | 32449000     | 8.04E-18 |
| chr5       | 32585001       | 32590000     | 1.72E-53 |
| chr5       | 32821001       | 32826000     | 0.000573334 |
| chr5       | 33415001       | 33420000     | 0.001922299 |
| chr5       | 33712001       | 33717000     | 0.002161114 |
| chr5       | 34003001       | 34008000     | 1.99E-30 |
| chr5       | 34004001       | 34009000     | 3.00E-42 |
| chr5       | 34005001       | 34010000     | 1.57E-36 |
| chr5       | 34244001       | 34249000     | 5.60E-20 |
| chr5       | 34245001       | 34250000     | 5.76E-19 |
| chr5       | 34835001       | 34840000     | 2.49E-47 |
| chr5       | 34836001       | 34841000     | 2.61E-55 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr5       | 34837001 | 34842000 | 5.12E-60  |
| chr5       | 34838001 | 34843000 | 3.17E-70  |
| chr5       | 34839001 | 34844000 | 6.12E-72  |
| chr5       | 34911001 | 34916000 | 1.62E-61  |
| chr5       | 34925001 | 34930000 | 6.76E-96  |
| chr5       | 34926001 | 34931000 | 2.22E-54  |
| chr5       | 34927001 | 34932000 | 8.72E-56  |
| chr5       | 35054001 | 35059000 | 0.001179021 |
| chr5       | 35055001 | 35060000 | 9.27E-05  |
| chr5       | 35056001 | 35061000 | 0.006154957 |
| chr5       | 35203001 | 35208000 | 0.000687794 |
| chr5       | 35271001 | 35276000 | 6.25E-05  |
| chr5       | 35272001 | 35277000 | 1.61E-05  |
| chr5       | 35273001 | 35278000 | 2.75E-05  |
| chr5       | 35274001 | 35279000 | 2.05E-08  |
| chr5       | 35344001 | 35349000 | 9.08E-07  |
| chr5       | 35411001 | 35416000 | 1.89E-10  |
| chr5       | 35446001 | 35451000 | 2.11E-14  |
| chr5       | 35447001 | 35452000 | 4.59E-11  |
| chr5       | 35448001 | 35453000 | 7.25E-12  |
| chr5       | 35449001 | 35454000 | 1.23E-12  |
| chr5       | 35450001 | 35455000 | 3.31E-12  |
| chr5       | 35451001 | 35456000 | 5.05E-05  |
| chr5       | 35459001 | 35464000 | 0.00252999 |
| chr5       | 35506001 | 35511000 | 4.74E-08  |
| chr5       | 35507001 | 35512000 | 6.37E-10  |
| chr5       | 35509001 | 35514000 | 6.18E-07  |
| chr5       | 35510001 | 35515000 | 2.17E-06  |
| chr5       | 35564001 | 35569000 | 0.000232064 |
| chr5       | 35613001 | 35618000 | 6.46E-12  |
| chr5       | 35614001 | 35619000 | 1.01E-11  |
| chr5       | 35615001 | 35620000 | 5.93E-26  |
| chr5       | 35616001 | 35621000 | 5.00E-32  |
| chr5       | 35617001 | 35622000 | 4.59E-29  |
| chr5       | 35618001 | 35623000 | 9.67E-37  |
| chr5       | 35694001 | 35699000 | 0.008322625 |
| chr5       | 35948001 | 35953000 | 0.000614867 |
| chr5       | 35973001 | 35978000 | 3.17E-09  |
| chr5       | 35974001 | 35979000 | 6.78E-09  |
| chr5       | 35975001 | 35980000 | 1.40E-09  |
| chr5       | 35976001 | 35981000 | 3.73E-06  |
| chr5       | 35993001 | 35998000 | 3.00E-11  |
| chr5       | 35994001 | 35999000 | 8.82E-15  |
| chr5       | 35995001 | 36000000 | 1.13E-11  |
| chr5       | 36000001 | 36005000 | 4.04E-14  |
| chr5       | 36010001 | 36015000 | 0.000223093 |
| chr5       | 36049001 | 36054000 | 5.32E-07  |
| chr5       | 36237001 | 36242000 | 1.13E-40  |
| Chromosome | Start Position | End Position | p-value       |
|------------|----------------|--------------|---------------|
| chr5       | 36261001       | 36266000     | 1.88E-12      |
| chr5       | 36262001       | 36267000     | 6.82E-12      |
| chr5       | 36302001       | 36307000     | 1.17E-05      |
| chr5       | 36433001       | 36438000     | 0.003567707   |
| chr5       | 36673001       | 36678000     | 2.92E-05      |
| chr5       | 36687001       | 36692000     | 5.89E-24      |
| chr5       | 36688001       | 36693000     | 2.58E-30      |
| chr5       | 36690001       | 36695000     | 1.09E-27      |
| chr5       | 36745001       | 36750000     | 1.04E-26      |
| chr5       | 36841001       | 36846000     | 9.86E-09      |
| chr5       | 36842001       | 36847000     | 1.37E-05      |
| chr5       | 36858001       | 36863000     | 0.007883854   |
| chr5       | 37245001       | 37250000     | 7.54E-18      |
| chr5       | 37246001       | 37251000     | 1.50E-23      |
| chr5       | 37247001       | 37252000     | 1.56E-34      |
| chr5       | 37248001       | 37253000     | 1.02E-43      |
| chr5       | 37249001       | 37254000     | 7.53E-47      |
| chr5       | 37493001       | 37498000     | 2.68E-36      |
| chr5       | 37494001       | 37499000     | 2.92E-32      |
| chr5       | 37495001       | 37500000     | 2.85E-36      |
| chr5       | 37496001       | 37501000     | 1.06E-30      |
| chr5       | 37497001       | 37502000     | 2.17E-19      |
| chr5       | 37956001       | 37961000     | 0.000664769   |
| chr5       | 37957001       | 37962000     | 0.000295728   |
| chr5       | 37958001       | 37963000     | 0.00060081    |
| chr5       | 38271001       | 38276000     | 9.99E-05      |
| chr5       | 38272001       | 38277000     | 0.00108781    |
| chr5       | 38273001       | 38278000     | 8.41E-07      |
| chr5       | 38275001       | 38280000     | 0.00054601    |
| chr5       | 38276001       | 38281000     | 1.25E-06      |
| chr5       | 38277001       | 38282000     | 2.00E-06      |
| chr5       | 38278001       | 38283000     | 0.000922866   |
| chr5       | 38279001       | 38284000     | 9.72E-05      |
| chr5       | 38363001       | 38368000     | 3.24E-07      |
| chr5       | 38588001       | 38593000     | 0.002238009   |
| chr5       | 38816001       | 38821000     | 3.22E-05      |
| chr5       | 39074001       | 39079000     | 5.12E-86      |
| chr5       | 39222001       | 39227000     | 1.75E-05      |
| chr5       | 39223001       | 39228000     | 3.84E-06      |
| chr5       | 39224001       | 39229000     | 2.78E-06      |
| chr5       | 39709001       | 39714000     | 0.002661756   |
| chr5       | 39738001       | 39743000     | 3.96E-12      |
| chr5       | 39789001       | 39794000     | 0.002789527   |
| chr5       | 39790001       | 39795000     | 0.002318151   |
| chr5       | 39882001       | 39887000     | 1.94E-06      |
| chr5       | 40009001       | 40014000     | 0.000103858   |
| chr5       | 40132001       | 40137000     | 8.56E-05      |
| chr5       | 40133001       | 40138000     | 0.000830995   |
| Chromosome | Position Start | Position End | Score |
|------------|----------------|--------------|-------|
| chr5       | 40153001       | 40158000     | 0.000192367 |
| chr5       | 40178001       | 40183000     | 1.99E-05 |
| chr5       | 40270001       | 40275000     | 0.000149454 |
| chr5       | 40514001       | 40519000     | 1.82E-05 |
| chr5       | 40524001       | 40529000     | 2.18E-05 |
| chr5       | 40617001       | 40622000     | 0.004635825 |
| chr5       | 40751001       | 40756000     | 7.62E-15 |
| chr5       | 41208001       | 41213000     | 1.68E-09 |
| chr5       | 41299001       | 41304000     | 0.00035234 |
| chr5       | 41685001       | 41690000     | 7.08E-20 |
| chr5       | 41866001       | 41871000     | 5.15E-37 |
| chr5       | 41867001       | 41872000     | 3.21E-27 |
| chr5       | 41868001       | 41873000     | 2.37E-58 |
| chr5       | 41869001       | 41874000     | 1.03E-54 |
| chr5       | 41870001       | 41875000     | 7.59E-57 |
| chr5       | 41900001       | 41905000     | 8.24E-57 |
| chr5       | 41901001       | 41906000     | 1.42E-54 |
| chr5       | 41902001       | 41907000     | 1.02E-55 |
| chr5       | 41903001       | 41908000     | 3.41E-53 |
| chr5       | 41904001       | 41909000     | 1.66E-49 |
| chr5       | 41921001       | 41926000     | 1.23E-35 |
| chr5       | 42185001       | 42190000     | 0.000638205 |
| chr5       | 42253001       | 42258000     | 7.41E-10 |
| chr5       | 42270001       | 42275000     | 0.000640766 |
| chr5       | 42272001       | 42277000     | 7.60E-05 |
| chr5       | 42339001       | 42344000     | 1.20E-06 |
| chr5       | 42419001       | 42424000     | 6.48E-21 |
| chr5       | 42426001       | 42431000     | 0.000161909 |
| chr5       | 42430001       | 42435000     | 0.011855302 |
| chr5       | 42442001       | 42447000     | 4.23E-05 |
| chr5       | 42721001       | 42726000     | 4.83E-06 |
| chr5       | 42820001       | 42825000     | 1.44E-05 |
| chr5       | 42864001       | 42869000     | 1.34E-12 |
| chr5       | 42865001       | 42870000     | 1.35E-09 |
| chr5       | 42967001       | 42972000     | 1.05E-12 |
| chr5       | 42996001       | 43001000     | 8.34E-15 |
| chr5       | 42997001       | 43002000     | 5.26E-21 |
| chr5       | 42998001       | 43003000     | 2.18E-23 |
| chr5       | 42999001       | 43004000     | 3.99E-31 |
| chr5       | 43000001       | 43005000     | 1.02E-30 |
| chr5       | 43013001       | 43018000     | 2.81E-09 |
| chr5       | 43014001       | 43019000     | 2.39E-20 |
| chr5       | 43119001       | 43124000     | 3.10E-40 |
| chr5       | 43120001       | 43125000     | 9.60E-35 |
| chr5       | 43188001       | 43193000     | 7.18E-41 |
| chr5       | 43309001       | 43314000     | 9.23E-23 |
| chr5       | 43552001       | 43557000     | 1.73E-44 |
| Chr | Start | End   | P-value |
|-----|-------|-------|---------|
| chr5 | 43598001 | 43603000 | 4.21E-23 |
| chr5 | 43599001 | 43604000 | 2.46E-31 |
| chr5 | 43738001 | 43743000 | 2.27E-07 |
| chr5 | 43750001 | 43755000 | 3.75E-10 |
| chr5 | 43753001 | 43758000 | 1.22E-07 |
| chr5 | 43793001 | 43798000 | 1.07E-15 |
| chr5 | 43806001 | 43811000 | 3.61E-11 |
| chr5 | 43807001 | 43812000 | 1.44E-10 |
| chr5 | 43808001 | 43813000 | 2.14E-12 |
| chr5 | 43830001 | 43835000 | 0.00020622 |
| chr5 | 43831001 | 43836000 | 0.000275815 |
| chr5 | 43832001 | 43837000 | 0.000869792 |
| chr5 | 43833001 | 43838000 | 0.000429042 |
| chr5 | 43875001 | 43880000 | 0.001588738 |
| chr5 | 43884001 | 43889000 | 0.000425389 |
| chr5 | 43885001 | 43890000 | 0.000127793 |
| chr5 | 43886001 | 43891000 | 9.20E-05 |
| chr5 | 43887001 | 43892000 | 4.65E-08 |
| chr5 | 43888001 | 43893000 | 3.07E-08 |
| chr5 | 43897001 | 43902000 | 0.000384081 |
| chr5 | 43898001 | 43903000 | 0.000470653 |
| chr5 | 43899001 | 43904000 | 0.000343808 |
| chr5 | 43918001 | 43923000 | 2.07E-06 |
| chr5 | 43921001 | 43926000 | 1.98E-15 |
| chr5 | 43922001 | 43927000 | 3.67E-16 |
| chr5 | 43923001 | 43928000 | 8.33E-12 |
| chr5 | 43924001 | 43929000 | 1.89E-08 |
| chr5 | 43928001 | 43933000 | 5.60E-05 |
| chr5 | 43929001 | 43934000 | 3.74E-06 |
| chr5 | 43930001 | 43935000 | 6.81E-06 |
| chr5 | 43937001 | 43942000 | 1.58E-05 |
| chr5 | 43965001 | 43970000 | 3.53E-06 |
| chr5 | 43966001 | 43971000 | 2.34E-05 |
| chr5 | 43967001 | 43972000 | 8.32E-10 |
| chr5 | 43968001 | 43973000 | 1.92E-09 |
| chr5 | 43969001 | 43974000 | 1.47E-07 |
| chr5 | 43970001 | 43975000 | 1.89E-05 |
| chr5 | 43971001 | 43976000 | 8.19E-06 |
| chr5 | 43976001 | 43981000 | 3.78E-06 |
| chr5 | 43979001 | 43984000 | 4.69E-07 |
| chr5 | 43980001 | 43985000 | 2.00E-06 |
| chr5 | 43982001 | 43987000 | 1.50E-05 |
| chr5 | 44036001 | 44041000 | 0.000103897 |
| chr5 | 44037001 | 44042000 | 3.05E-14 |
| chr5 | 44043001 | 44048000 | 7.69E-17 |
| chr5 | 44044001 | 44049000 | 1.70E-18 |
| chr5 | 44045001 | 44050000 | 6.19E-16 |
| chr5 | 44046001 | 44051000 | 1.03E-10 |
| Chromosome | Start Position | End Position | Log10(p-value) |
|------------|----------------|--------------|----------------|
| chr5       | 44057001       | 44062000     | 8.22E-05       |
| chr5       | 44058001       | 44063000     | 0.00299191     |
| chr5       | 44075001       | 44080000     | 3.50E-07       |
| chr5       | 44076001       | 44081000     | 0.004231891    |
| chr5       | 44086001       | 44091000     | 0.000126589    |
| chr5       | 44088001       | 44093000     | 0.000162686    |
| chr5       | 44089001       | 44094000     | 8.91E-05       |
| chr5       | 44090001       | 44095000     | 2.26E-05       |
| chr5       | 44103001       | 44108000     | 3.48E-09       |
| chr5       | 44135001       | 44140000     | 1.55E-09       |
| chr5       | 44146001       | 44151000     | 0.000221568    |
| chr5       | 44207001       | 44212000     | 2.17E-05       |
| chr5       | 44208001       | 44213000     | 9.46E-06       |
| chr5       | 44209001       | 44214000     | 7.03E-08       |
| chr5       | 44210001       | 44215000     | 1.43E-08       |
| chr5       | 44212001       | 44217000     | 2.09E-06       |
| chr5       | 44213001       | 44218000     | 8.99E-07       |
| chr5       | 44295001       | 44300000     | 0.000269433    |
| chr5       | 44312001       | 44317000     | 2.16E-05       |
| chr5       | 44313001       | 44318000     | 1.58E-05       |
| chr5       | 44314001       | 44319000     | 3.80E-05       |
| chr5       | 44315001       | 44320000     | 0.000623469    |
| chr5       | 44316001       | 44321000     | 1.16E-05       |
| chr5       | 44342001       | 44347000     | 0.000494998    |
| chr5       | 44343001       | 44348000     | 0.000142382    |
| chr5       | 44344001       | 44349000     | 0.000238193    |
| chr5       | 44345001       | 44350000     | 0.000638571    |
| chr5       | 44390001       | 44395000     | 3.75E-07       |
| chr5       | 44408001       | 44413000     | 4.10E-05       |
| chr5       | 44409001       | 44414000     | 2.95E-06       |
| chr5       | 44410001       | 44415000     | 1.70E-05       |
| chr5       | 44411001       | 44416000     | 3.53E-07       |
| chr5       | 44412001       | 44417000     | 9.76E-05       |
| chr5       | 44427001       | 44432000     | 0.006780241    |
| chr5       | 44428001       | 44433000     | 0.005212043    |
| chr5       | 44429001       | 44434000     | 0.008584974    |
| chr5       | 44432001       | 44437000     | 0.010956391    |
| chr5       | 44433001       | 44438000     | 0.018320452    |
| chr5       | 44498001       | 44503000     | 0.000505572    |
| chr5       | 44499001       | 44504000     | 0.000588779    |
| chr5       | 44544001       | 44549000     | 2.41E-05       |
| chr5       | 44545001       | 44550000     | 5.96E-09       |
| chr5       | 44546001       | 44551000     | 2.41E-10       |
| chr5       | 44547001       | 44552000     | 2.18E-08       |
| chr5       | 44564001       | 44569000     | 0.000397485    |
| chr5       | 44573001       | 44578000     | 3.41E-09       |
| chr5       | 44574001       | 44579000     | 1.52E-11       |
| chr5       | 44596001       | 44601000     | 1.30E-05       |
| Chr5 | Start | End   | p-value |
|------|-------|-------|---------|
| chr5 | 44597001 | 44602000 | 1.05E-05 |
| chr5 | 44598001 | 44603000 | 4.24E-05 |
| chr5 | 44680001 | 44685000 | 8.19E-08 |
| chr5 | 44681001 | 44686000 | 4.11E-08 |
| chr5 | 44685001 | 44690000 | 1.28E-06 |
| chr5 | 44695001 | 44700000 | 0.000223208 |
| chr5 | 44805001 | 44810000 | 1.06E-78 |
| chr5 | 44806001 | 44811000 | 4.16E-68 |
| chr5 | 44807001 | 44812000 | 2.88E-98 |
| chr5 | 44808001 | 44813000 | 5.09E-92 |
| chr5 | 44809001 | 44814000 | 1.34E-97 |
| chr5 | 44931001 | 44936000 | 3.23E-07 |
| chr5 | 44954001 | 44959000 | 2.05E-05 |
| chr5 | 44957001 | 44962000 | 3.85E-07 |
| chr5 | 44963001 | 44968000 | 0.001249909 |
| chr5 | 44981001 | 44986000 | 0.003814362 |
| chr5 | 45018001 | 45023000 | 5.04E-10 |
| chr5 | 45020001 | 45025000 | 2.05E-08 |
| chr5 | 45024001 | 45029000 | 7.96E-07 |
| chr5 | 45025001 | 45030000 | 5.13E-07 |
| chr5 | 45065001 | 45070000 | 2.26E-06 |
| chr5 | 45066001 | 45071000 | 1.66E-07 |
| chr5 | 45067001 | 45072000 | 2.20E-13 |
| chr5 | 45068001 | 45073000 | 8.86E-11 |
| chr5 | 45160001 | 45165000 | 7.89E-09 |
| chr5 | 45164001 | 45169000 | 4.85E-07 |
| chr5 | 45174001 | 45179000 | 1.39E-06 |
| chr5 | 45197001 | 45202000 | 1.01E-06 |
| chr5 | 45198001 | 45203000 | 3.81E-08 |
| chr5 | 45199001 | 45204000 | 1.95E-05 |
| chr5 | 45267001 | 45272000 | 1.80E-06 |
| chr5 | 45399001 | 45404000 | 0.001600849 |
| chr5 | 45421001 | 45426000 | 4.34E-10 |
| chr5 | 45500001 | 45505000 | 0.000955449 |
| chr5 | 45504001 | 45509000 | 0.001210569 |
| chr5 | 45505001 | 45510000 | 0.00032808 |
| chr5 | 45560001 | 45565000 | 6.45E-06 |
| chr5 | 45574001 | 45579000 | 0.000224453 |
| chr5 | 45581001 | 45586000 | 5.07E-15 |
| chr5 | 45583001 | 45588000 | 5.50E-18 |
| chr5 | 45696001 | 45701000 | 1.15E-34 |
| chr5 | 45715001 | 45720000 | 9.14E-06 |
| chr5 | 45716001 | 45721000 | 3.84E-08 |
| chr5 | 45757001 | 45762000 | 1.99E-05 |
| chr5 | 45800001 | 45805000 | 1.04E-08 |
| chr5 | 45801001 | 45806000 | 2.26E-05 |
| chr5 | 45839001 | 45844000 | 2.05E-07 |
| chr5 | 45840001 | 45845000 | 1.27E-07 |
| Chromosome | Start | End   | P-value     |
|------------|-------|-------|-------------|
| chr5       | 45861001 | 45866000 | 1.23E-08 |
| chr5       | 45862001 | 45867000 | 3.25E-10 |
| chr5       | 45863001 | 45868000 | 9.41E-07 |
| chr5       | 45864001 | 45869000 | 2.59E-06 |
| chr5       | 45865001 | 45870000 | 9.79E-05 |
| chr5       | 45892001 | 45897000 | 8.57E-06 |
| chr5       | 45955001 | 45960000 | 0.00014451 |
| chr5       | 45956001 | 45961000 | 5.55E-05 |
| chr5       | 45975001 | 45980000 | 6.73E-06 |
| chr5       | 46002001 | 46007000 | 4.45E-05 |
| chr5       | 46098001 | 46103000 | 0.002304169 |
| chr5       | 46182001 | 46187000 | 2.07E-05 |
| chr5       | 46183001 | 46188000 | 4.93E-07 |
| chr5       | 49552001 | 49557000 | 3.38E-08 |
| chr5       | 49566001 | 49571000 | 0.000484898 |
| chr5       | 49716001 | 49721000 | 5.36E-05 |
| chr5       | 49737001 | 49742000 | 6.23E-38 |
| chr5       | 49787001 | 49792000 | 0.000596838 |
| chr5       | 49810001 | 49815000 | 0.002699498 |
| chr5       | 49812001 | 49817000 | 6.29E-10 |
| chr5       | 49813001 | 49818000 | 3.81E-11 |
| chr5       | 49814001 | 49819000 | 1.43E-15 |
| chr5       | 49815001 | 49820000 | 7.15E-15 |
| chr5       | 49816001 | 49821000 | 6.08E-16 |
| chr5       | 49817001 | 49822000 | 0.00116898 |
| chr5       | 49824001 | 49829000 | 1.28E-07 |
| chr5       | 49845001 | 49850000 | 9.47E-07 |
| chr5       | 49846001 | 49851000 | 2.51E-06 |
| chr5       | 49874001 | 49879000 | 0.003455708 |
| chr5       | 49937001 | 49942000 | 0.001939469 |
| chr5       | 49938001 | 49943000 | 0.002254913 |
| chr5       | 49963001 | 49968000 | 6.93E-34 |
| chr5       | 50046001 | 50051000 | 2.10E-05 |
| chr5       | 50047001 | 50052000 | 2.82E-06 |
| chr5       | 50048001 | 50053000 | 2.05E-06 |
| chr5       | 50049001 | 50054000 | 2.32E-06 |
| chr5       | 50050001 | 50055000 | 4.23E-06 |
| chr5       | 50051001 | 50056000 | 0.000628694 |
| chr5       | 50052001 | 50057000 | 0.004618125 |
| chr5       | 50053001 | 50058000 | 0.010945631 |
| chr5       | 50065001 | 50070000 | 5.39E-06 |
| chr5       | 50107001 | 50112000 | 1.44E-08 |
| chr5       | 50108001 | 50113000 | 1.37E-07 |
| chr5       | 50109001 | 50114000 | 4.90E-08 |
| chr5       | 50280001 | 50285000 | 0.000127678 |
| chr5       | 50350001 | 50355000 | 0.002710408 |
| chr5       | 50720001 | 50725000 | 9.54E-06 |
| chr5       | 50721001 | 50726000 | 1.71E-05 |
| Chromosome | Start Position | Stop Position | Value |
|------------|----------------|---------------|-------|
| chr5       | 50722001       | 50727000      | 2.40E-05 |
| chr5       | 50969001       | 50974000      | 0.000939511 |
| chr5       | 51611001       | 51616000      | 0.000648961 |
| chr5       | 51657001       | 51662000      | 5.02E-05 |
| chr5       | 51658001       | 51663000      | 4.46E-05 |
| chr5       | 51659001       | 51664000      | 0.00012133 |
| chr5       | 51683001       | 51688000      | 0.000894015 |
| chr5       | 51797001       | 51802000      | 0.02370474 |
| chr5       | 52079001       | 52084000      | 5.94E-28 |
| chr5       | 52080001       | 52085000      | 3.36E-33 |
| chr5       | 52081001       | 52086000      | 1.62E-26 |
| chr5       | 52084001       | 52089000      | 8.80E-24 |
| chr5       | 52097001       | 52102000      | 9.41E-08 |
| chr5       | 52166001       | 52171000      | 3.29E-05 |
| chr5       | 52210001       | 52215000      | 0.002955896 |
| chr5       | 52228001       | 52287000      | 3.06E-16 |
| chr5       | 52283001       | 52288000      | 1.58E-23 |
| chr5       | 52284001       | 52289000      | 5.40E-29 |
| chr5       | 52285001       | 52290000      | 6.38E-27 |
| chr5       | 52296001       | 52301000      | 0.000426738 |
| chr5       | 52297001       | 52302000      | 4.96E-05 |
| chr5       | 52347001       | 52352000      | 0.000202025 |
| chr5       | 52349001       | 52354000      | 0.00039459 |
| chr5       | 52401001       | 52406000      | 2.09E-50 |
| chr5       | 52402001       | 52407000      | 2.93E-63 |
| chr5       | 52403001       | 52408000      | 1.42E-67 |
| chr5       | 52404001       | 52409000      | 1.25E-64 |
| chr5       | 52405001       | 52410000      | 1.87E-47 |
| chr5       | 52538001       | 52543000      | 0.000294411 |
| chr5       | 52770001       | 52775000      | 6.81E-13 |
| chr5       | 52804001       | 52809000      | 0.003255446 |
| chr5       | 53016001       | 53021000      | 2.97E-05 |
| chr5       | 53410001       | 53415000      | 0.004770536 |
| chr5       | 53480001       | 53485000      | 0.000528101 |
| chr5       | 53601001       | 53606000      | 2.71E-36 |
| chr5       | 53602001       | 53607000      | 7.07E-86 |
| chr5       | 53603001       | 53608000      | 7.88E-60 |
| chr5       | 54023001       | 54028000      | 0.00038135 |
| chr5       | 54024001       | 54029000      | 1.35E-05 |
| chr5       | 54470001       | 54475000      | 1.48E-56 |
| chr5       | 54471001       | 54476000      | 5.35E-65 |
| chr5       | 54472001       | 54477000      | 6.61E-59 |
| chr5       | 54521001       | 54526000      | 3.63E-34 |
| chr5       | 54522001       | 54527000      | 8.76E-36 |
| chr5       | 54599001       | 54604000      | 1.01E-44 |
| chr5       | 54603001       | 54608000      | 2.51E-49 |
| chr5       | 55051001       | 55056000      | 0.001171959 |
| chr5       | 55097001       | 55102000      | 1.60E-10 |
| Gene Location | Gene | Annotation |
|---------------|------|------------|
| chr5          | 55098001 | 55103000 | 1.10E-09|
| chr5          | 55143001 | 55148000 | 2.00E-05|
| chr5          | 55244001 | 55249000 | 1.74E-05|
| chr5          | 55245001 | 55250000 | 0.000388079|
| chr5          | 55246001 | 55251000 | 7.19E-05|
| chr5          | 55291001 | 55296000 | 3.66E-30|
| chr5          | 55493001 | 55498000 | 6.84E-20|
| chr5          | 55494001 | 55499000 | 9.07E-13|
| chr5          | 55495001 | 55500000 | 2.53E-10|
| chr5          | 55496001 | 55501000 | 9.73E-06|
| chr5          | 55650001 | 55655000 | 3.67E-06|
| chr5          | 56106001 | 56111000 | 1.24E-25|
| chr5          | 56107001 | 56112000 | 1.96E-62|
| chr5          | 56204001 | 56209000 | 9.92E-61|
| chr5          | 56205001 | 56210000 | 6.02E-98|
| chr5          | 56206001 | 56211000 | 6.91E-42|
| chr5          | 56231001 | 56236000 | 0.001590783|
| chr5          | 56247001 | 56252000 | 9.84E-65|
| chr5          | 56248001 | 56253000 | 1.88E-60|
| chr5          | 56877001 | 56882000 | 0.000542359|
| chr5          | 57682001 | 57687000 | 0.016946686|
| chr5          | 57903001 | 57908000 | 2.45E-08|
| chr5          | 58313001 | 58318000 | 9.65E-05|
| chr5          | 58327001 | 58332000 | 5.76E-05|
| chr5          | 58328001 | 58333000 | 0.000515662|
| chr5          | 58423001 | 58428000 | 1.34E-09|
| chr5          | 58572001 | 58577000 | 0.000164735|
| chr5          | 58883001 | 58888000 | 5.25E-05|
| chr5          | 59064001 | 59069000 | 1.91E-13|
| chr5          | 59160001 | 59165000 | 0.000542359|
| chr5          | 59221001 | 59226000 | 1.37E-06|
| chr5          | 59222001 | 59227000 | 9.55E-08|
| chr5          | 59223001 | 59228000 | 3.91E-06|
| chr5          | 59224001 | 59229000 | 2.01E-05|
| chr5          | 59274001 | 59279000 | 0.00384281|
| chr5          | 59275001 | 59280000 | 0.001818369|
| chr5          | 59276001 | 59281000 | 0.000530384|
| chr5          | 59392001 | 59397000 | 0.0007269964|
| chr5          | 59393001 | 59398000 | 0.000824269|
| chr5          | 59405001 | 59410000 | 2.39E-05|
| chr5          | 59468001 | 59473000 | 6.64E-05|
| chr5          | 59469001 | 59474000 | 4.58E-08|
| chr5          | 59470001 | 59475000 | 2.04E-07|
| chr5          | 59471001 | 59476000 | 2.26E-06|
| chr5          | 59472001 | 59477000 | 3.52E-06|
| chr5          | 59532001 | 59537000 | 0.000339776|
| chr5          | 59534001 | 59539000 | 0.000280797|
| chr5          | 59590001 | 59595000 | 0.000111239|
| Chromosome | Start | End   | Value       |
|------------|-------|-------|-------------|
| chr5       | 59591 | 59596 | 0.000177486 |
| chr5       | 59611 | 59616 | 2.54E-18    |
| chr5       | 59617 | 59622 | 4.14E-05    |
| chr5       | 59618 | 59623 | 2.28E-05    |
| chr5       | 59619 | 59624 | 0.000213554 |
| chr5       | 59636 | 59641 | 7.05E-06    |
| chr5       | 59638 | 59643 | 2.39E-05    |
| chr5       | 59639 | 59644 | 6.57E-05    |
| chr5       | 59647 | 59652 | 0.00047799  |
| chr5       | 59650 | 59655 | 0.000337158 |
| chr5       | 59670 | 59675 | 1.64E-11    |
| chr5       | 59720 | 59725 | 2.17E-08    |
| chr5       | 59728 | 59733 | 2.06E-05    |
| chr5       | 59761 | 59766 | 2.21E-05    |
| chr5       | 59762 | 59767 | 4.51E-06    |
| chr5       | 59774 | 59779 | 0.000347092 |
| chr5       | 59798 | 59803 | 4.98E-07    |
| chr5       | 59833 | 59838 | 1.61E-05    |
| chr5       | 59834 | 59839 | 1.92E-06    |
| chr5       | 60241 | 60246 | 1.97E-18    |
| chr5       | 60622 | 60627 | 4.06E-31    |
| chr5       | 60623 | 60628 | 1.43E-21    |
| chr5       | 60626 | 60631 | 6.08E-23    |
| chr5       | 60627 | 60632 | 9.42E-60    |
| chr5       | 60628 | 60633 | 8.58E-98    |
| chr5       | 60629 | 60634 | 1.58E-31    |
| chr5       | 60665 | 60670 | 2.42E-05    |
| chr5       | 60917 | 60922 | 3.48E-09    |
| chr5       | 60921 | 60926 | 0.001541106 |
| chr5       | 60974 | 60979 | 0.003515373 |
| chr5       | 61139 | 61144 | 1.70E-07    |
| chr5       | 61140 | 61145 | 3.93E-10    |
| chr5       | 61141 | 61146 | 3.54E-07    |
| chr5       | 61154 | 61159 | 0.000676082 |
| chr5       | 61155 | 61160 | 2.91E-05    |
| chr5       | 61248 | 61253 | 1.61E-05    |
| chr5       | 61349 | 61354 | 0.004763715 |
| chr5       | 61416 | 61421 | 4.24E-08    |
| chr5       | 61417 | 61422 | 1.68E-06    |
| chr5       | 61597 | 61602 | 1.29E-13    |
| chr5       | 61598 | 61603 | 6.49E-17    |
| chr5       | 61601 | 61606 | 8.77E-27    |
| chr5       | 61602 | 61607 | 5.81E-23    |
| chr5       | 61679 | 61684 | 1.57E-05    |
| chr5       | 61995 | 62000 | 1.89E-05    |
| chr5       | 61996 | 62001 | 1.23E-05    |
| chr5       | 62021 | 62026 | 0.001112144 |
| chr5       | 62024 | 62029 | 7.78E-05    |
| Chromosome | Start  | End    | Value          |
|------------|--------|--------|----------------|
| chr5       | 62025001 | 62030000 | 0.000553646   |
| chr5       | 62026001 | 62031000 | 0.001136586   |
| chr5       | 62028001 | 62033000 | 0.006038164   |
| chr5       | 62050001 | 62055000 | 0.000386214   |
| chr5       | 62091001 | 62096000 | 3.36E-05      |
| chr5       | 62092001 | 62097000 | 4.52E-07      |
| chr5       | 62094001 | 62099000 | 1.05E-06      |
| chr5       | 62123001 | 62128000 | 0.00012742    |
| chr5       | 62131001 | 62136000 | 1.65E-07      |
| chr5       | 62132001 | 62137000 | 4.14E-10      |
| chr5       | 62133001 | 62138000 | 2.51E-09      |
| chr5       | 62134001 | 62139000 | 1.27E-10      |
| chr5       | 62135001 | 62140000 | 6.22E-06      |
| chr5       | 62139001 | 62144000 | 0.01208029    |
| chr5       | 62140001 | 62145000 | 0.000525563   |
| chr5       | 62144001 | 62149000 | 0.002872169   |
| chr5       | 62152001 | 62157000 | 0.000863006   |
| chr5       | 62154001 | 62159000 | 0.000378215   |
| chr5       | 62162001 | 62167000 | 2.55E-09      |
| chr5       | 62163001 | 62168000 | 2.74E-08      |
| chr5       | 62186001 | 62191000 | 2.65E-05      |
| chr5       | 62187001 | 62192000 | 3.78E-08      |
| chr5       | 62188001 | 62193000 | 1.62E-05      |
| chr5       | 62189001 | 62194000 | 8.94E-06      |
| chr5       | 62260001 | 62265000 | 0.0003818     |
| chr5       | 62263001 | 62268000 | 2.41E-06      |
| chr5       | 62269001 | 62274000 | 0.003104548   |
| chr5       | 62280001 | 62285000 | 0.00052938    |
| chr5       | 62310001 | 62315000 | 0.028336593   |
| chr5       | 62334001 | 62339000 | 6.38E-06      |
| chr5       | 62335001 | 62340000 | 4.65E-05      |
| chr5       | 62336001 | 62341000 | 1.22E-06      |
| chr5       | 62337001 | 62342000 | 0.000162709   |
| chr5       | 62338001 | 62343000 | 0.000365366   |
| chr5       | 62340001 | 62345000 | 4.39E-05      |
| chr5       | 62387001 | 62392000 | 1.67E-06      |
| chr5       | 62410001 | 62415000 | 0.000626783   |
| chr5       | 62411001 | 62416000 | 0.000668517   |
| chr5       | 62420001 | 62425000 | 0.011540355   |
| chr5       | 62421001 | 62426000 | 0.003293529   |
| chr5       | 62423001 | 62428000 | 0.002956407   |
| chr5       | 62424001 | 62429000 | 1.15E-06      |
| chr5       | 62425001 | 62430000 | 2.67E-06      |
| chr5       | 62426001 | 62431000 | 0.001648716   |
| chr5       | 62427001 | 62432000 | 0.002423981   |
| chr5       | 62428001 | 62433000 | 0.003425774   |
| chr5       | 62446001 | 62451000 | 5.87E-05      |
| chr5       | 62450001 | 62455000 | 4.08E-07      |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr5       | 62451001       | 62456000     | 1.14E-06|
| chr5       | 62452001       | 62457000     | 1.69E-08|
| chr5       | 62487001       | 62492000     | 0.002534205|
| chr5       | 62488001       | 62493000     | 0.000522015|
| chr5       | 62489001       | 62494000     | 4.05E-08|
| chr5       | 62490001       | 62495000     | 1.66E-08|
| chr5       | 62491001       | 62496000     | 1.60E-06|
| chr5       | 62492001       | 62497000     | 2.06E-05|
| chr5       | 62493001       | 62498000     | 2.02E-05|
| chr5       | 62523001       | 62528000     | 0.000148077|
| chr5       | 62546001       | 62551000     | 1.50E-05|
| chr5       | 62547001       | 62552000     | 1.39E-05|
| chr5       | 62548001       | 62553000     | 2.68E-06|
| chr5       | 62578001       | 62583000     | 0.001846453|
| chr5       | 62621001       | 62626000     | 0.00112146|
| chr5       | 62622001       | 62627000     | 0.000294278|
| chr5       | 62642001       | 62647000     | 0.001291818|
| chr5       | 62643001       | 62648000     | 0.00047378|
| chr5       | 62647001       | 62652000     | 0.000186329|
| chr5       | 62648001       | 62653000     | 0.000236123|
| chr5       | 62649001       | 62654000     | 0.001275456|
| chr5       | 62650001       | 62655000     | 0.000201941|
| chr5       | 62651001       | 62656000     | 7.78E-05|
| chr5       | 62652001       | 62657000     | 3.03E-07|
| chr5       | 62653001       | 62658000     | 4.34E-06|
| chr5       | 62654001       | 62659000     | 1.26E-05|
| chr5       | 62655001       | 62660000     | 2.60E-05|
| chr5       | 62672001       | 62677000     | 1.65E-06|
| chr5       | 62706001       | 62711000     | 0.002577894|
| chr5       | 62709001       | 62714000     | 0.001207607|
| chr5       | 62719001       | 62724000     | 1.16E-05|
| chr5       | 62720001       | 62725000     | 8.10E-05|
| chr5       | 62793001       | 62798000     | 0.000575852|
| chr5       | 62794001       | 62799000     | 0.000591778|
| chr5       | 62795001       | 62800000     | 0.000480174|
| chr5       | 62796001       | 62801000     | 0.000988492|
| chr5       | 62924001       | 62929000     | 2.58E-09|
| chr5       | 62977001       | 62982000     | 7.06E-08|
| chr5       | 62996001       | 63001000     | 0.001367976|
| chr5       | 62997001       | 63002000     | 0.001434611|
| chr5       | 63045001       | 63050000     | 0.013782975|
| chr5       | 63048001       | 63053000     | 0.002726139|
| chr5       | 63115001       | 63120000     | 6.30E-05|
| chr5       | 63140001       | 63145000     | 0.007993346|
| chr5       | 63141001       | 63146000     | 0.000348763|
| chr5       | 63221001       | 63226000     | 7.98E-09|
| chr5       | 63223001       | 63228000     | 2.13E-07|
| chr5       | 63224001       | 63229000     | 3.69E-07|
| Chromosome | Start | End | Score  |
|------------|-------|-----|--------|
| chr5       | 63234001 | 63239000 | 0.001517398 |
| chr5       | 63250001 | 63255000 | 0.000628035  |
| chr5       | 63251001 | 63256000 | 6.44E-22      |
| chr5       | 63266001 | 63271000 | 1.18E-05      |
| chr5       | 63276001 | 63281000 | 2.40E-08      |
| chr5       | 63277001 | 63282000 | 8.51E-09      |
| chr5       | 63278001 | 63283000 | 2.89E-08      |
| chr5       | 63279001 | 63284000 | 7.56E-11      |
| chr5       | 63280001 | 63285000 | 2.93E-08      |
| chr5       | 63281001 | 63286000 | 1.94E-08      |
| chr5       | 63333001 | 63338000 | 0.000189662   |
| chr5       | 63352001 | 63357000 | 7.74E-05      |
| chr5       | 63353001 | 63358000 | 0.00181591    |
| chr5       | 63354001 | 63359000 | 0.00134942    |
| chr5       | 63358001 | 63363000 | 0.000705076   |
| chr5       | 63359001 | 63364000 | 0.002414888   |
| chr5       | 63398001 | 63403000 | 1.47E-10      |
| chr5       | 63399001 | 63404000 | 3.25E-09      |
| chr5       | 63400001 | 63405000 | 3.97E-05      |
| chr5       | 63411001 | 63416000 | 4.25E-05      |
| chr5       | 63413001 | 63418000 | 0.000313761   |
| chr5       | 63457001 | 63462000 | 1.04E-38      |
| chr5       | 63459001 | 63464000 | 1.44E-37      |
| chr5       | 63460001 | 63465000 | 1.07E-42      |
| chr5       | 63461001 | 63466000 | 1.12E-65      |
| chr5       | 63568001 | 63573000 | 0.009245395   |
| chr5       | 63571001 | 63576000 | 0.017774159   |
| chr5       | 63699001 | 63704000 | 3.33E-05      |
| chr5       | 63722001 | 63727000 | 1.52E-06      |
| chr5       | 63723001 | 63728000 | 5.77E-08      |
| chr5       | 63724001 | 63729000 | 2.71E-10      |
| chr5       | 63725001 | 63730000 | 0.00010118    |
| chr5       | 63726001 | 63731000 | 0.001451517   |
| chr5       | 63727001 | 63732000 | 0.003559349   |
| chr5       | 63751001 | 63756000 | 0.000114264   |
| chr5       | 63752001 | 63757000 | 0.00155608    |
| chr5       | 63758001 | 63763000 | 0.000531228   |
| chr5       | 63759001 | 63764000 | 0.000109802   |
| chr5       | 63760001 | 63765000 | 2.00E-05      |
| chr5       | 63775001 | 63780000 | 4.34E-07      |
| chr5       | 63797001 | 63802000 | 7.85E-08      |
| chr5       | 63798001 | 63803000 | 1.86E-16      |
| chr5       | 63799001 | 63804000 | 6.88E-17      |
| chr5       | 63800001 | 63805000 | 1.47E-27      |
| chr5       | 63801001 | 63806000 | 4.62E-28      |
| chr5       | 63802001 | 63807000 | 5.09E-27      |
| chr5       | 63915001 | 63920000 | 0.001293962   |
| chr5       | 63916001 | 63921000 | 0.008814957   |
| chr5 | start  | end   | p-value  |
|------|--------|-------|----------|
| chr5 | 63982001 | 63987000 | 5.41E-30  |
| chr5 | 63983001 | 63988000 | 1.52E-25  |
| chr5 | 63984001 | 63989000 | 1.32E-14  |
| chr5 | 63985001 | 63990000 | 3.00E-15  |
| chr5 | 63986001 | 63991000 | 4.49E-22  |
| chr5 | 64394001 | 64399000 | 2.66E-27  |
| chr5 | 64395001 | 64400000 | 2.57E-30  |
| chr5 | 64396001 | 64401000 | 3.34E-29  |
| chr5 | 64398001 | 64403000 | 2.47E-29  |
| chr5 | 64399001 | 64404000 | 4.54E-14  |
| chr5 | 64431001 | 64436000 | 3.95E-05  |
| chr5 | 64849001 | 64854000 | 0.00304815|
| chr5 | 64850001 | 64855000 | 0.00289264|
| chr5 | 64854001 | 64859000 | 1.49E-20  |
| chr5 | 65016001 | 65021000 | 9.10E-62  |
| chr5 | 65017001 | 65022000 | 1.92E-44  |
| chr5 | 65018001 | 65023000 | 6.73E-49  |
| chr5 | 65112001 | 65117000 | 0.00069142|
| chr5 | 65216001 | 65221000 | 2.52E-16  |
| chr5 | 65217001 | 65222000 | 5.48E-43  |
| chr5 | 65435001 | 65440000 | 6.88E-17  |
| chr5 | 65436001 | 65441000 | 4.39E-60  |
| chr5 | 65559001 | 65564000 | 0.010126164|
| chr5 | 65888001 | 65893000 | 7.18E-34  |
| chr5 | 65889001 | 65894000 | 5.12E-20  |
| chr5 | 65890001 | 65895000 | 3.99E-26  |
| chr5 | 65891001 | 65896000 | 1.84E-23  |
| chr5 | 65892001 | 65897000 | 2.93E-39  |
| chr5 | 65893001 | 65898000 | 9.94E-25  |
| chr5 | 66685001 | 66690000 | 0.001301072|
| chr5 | 66813001 | 66818000 | 0.000255201|
| chr5 | 66814001 | 66819000 | 3.42E-05  |
| chr5 | 66815001 | 66820000 | 0.000130512|
| chr5 | 66825001 | 66830000 | 0.002811799|
| chr5 | 67512001 | 67517000 | 1.80E-24  |
| chr5 | 67698001 | 67703000 | 8.25E-07  |
| chr5 | 67893001 | 67898000 | 1.01E-05  |
| chr5 | 67932001 | 67937000 | 5.47E-05  |
| chr5 | 67992001 | 67997000 | 0.00015717 |
| chr5 | 67993001 | 67998000 | 0.000740191|
| chr5 | 67994001 | 67999000 | 4.87E-06  |
| chr5 | 68104001 | 68109000 | 8.65E-08  |
| chr5 | 68105001 | 68110000 | 1.09E-07  |
| chr5 | 68137001 | 68142000 | 0.00300101 |
| chr5 | 68387001 | 68392000 | 4.96E-23  |
| chr5 | 68388001 | 68393000 | 1.71E-25  |
| chr5 | 68389001 | 68394000 | 7.31E-48  |
| chr5 | 68390001 | 68395000 | 8.46E-40  |
chr5  68463001  68468000  2.94E-26
chr5  68526001  68531000  7.82E-12
chr5  68706001  68711000  1.16E-18
chr5  68784001  68789000  4.28E-24
chr5  68785001  68790000  8.15E-55
chr5  68786001  68791000  4.10E-38
chr5  68788001  68793000  2.30E-30
chr5  68789001  68794000  4.71E-14
chr5  68790001  68795000  2.08E-23
chr5  68791001  68796000  1.13E-05
chr5  68792001  68797000  1.02E-06
chr5  68793001  68798000  1.10E-06
chr5  68794001  68799000  2.97E-05
chr5  68795001  68800000  2.31E-34
chr5  68796001  68801000  1.06E-34
chr5  68797001  68802000  3.37E-34
chr5  68798001  68803000  6.49E-31
chr5  71216001  71221000  0.0057472
chr5  71231001  71236000  4.86E-15
chr5  71398001  71403000  6.34E-13
chr5  71401001  71406000  2.02E-57
chr5  71402001  71407000  4.75E-64
chr5  71403001  71408000  7.91E-75
chr5  71404001  71409000  9.13E-61
chr5  71574001  71579000  0.000289909
chr5  71604001  71609000  8.23E-50
chr5  72030001  72035000  1.47E-05
chr5  72031001  72036000  0.000107772
chr5  72108001  72113000  1.53E-33
chr5  72112001  72117000  2.13E-68
chr5  72113001  72118000  1.35E-15
chr5  72144001  72149000  3.61E-57
chr5  72145001  72150000  1.06E-07
chr5  72252001  72257000  5.49E-31
chr5  72364001  72369000  0.002143134
chr5  72365001  72370000  0.001480897
chr5  72511001  72516000  1.55E-09
chr5  72512001  72517000  5.31E-33
chr5  72794001  72799000  3.98E-16
chr5  72922001  72927000  6.95E-16
chr5  73706001  73711000  1.75E-07
chr5  73727001  73732000  2.04E-07
chr5  73977001  73982000  1.30E-18
chr5  73978001  73983000  6.51E-06
chr5  73979001  73984000  2.61E-13
chr5  73981001  73986000  1.42E-31
chr5  74062001  74067000  8.87E-96
chr5  74063001  74068000  6.51E-88
| Chromosome | Start Position | End Position | p-value |
|------------|---------------|--------------|---------|
| chr5       | 74143001      | 74148000     | 0.000325502 |
| chr5       | 74157001      | 74162000     | 1.51E-43 |
| chr5       | 74158001      | 74163000     | 4.47E-52 |
| chr5       | 74159001      | 74164000     | 2.95E-80 |
| chr5       | 74160001      | 74165000     | 4.80E-66 |
| chr5       | 74161001      | 74166000     | 2.95E-55 |
| chr5       | 74162001      | 74167000     | 1.43E-47 |
| chr5       | 74271001      | 74276000     | 1.23E-09 |
| chr5       | 74272001      | 74277000     | 4.21E-09 |
| chr5       | 74273001      | 74278000     | 1.29E-08 |
| chr5       | 74274001      | 74279000     | 1.39E-10 |
| chr5       | 74275001      | 74280000     | 2.18E-10 |
| chr5       | 74276001      | 74281000     | 3.23E-08 |
| chr5       | 74291001      | 74296000     | 1.01E-07 |
| chr5       | 74293001      | 74298000     | 9.08E-09 |
| chr5       | 74454001      | 74459000     | 0.00016442 |
| chr5       | 74532001      | 74537000     | 1.96E-28 |
| chr5       | 74533001      | 74538000     | 4.51E-07 |
| chr5       | 74804001      | 74809000     | 1.01E-46 |
| chr5       | 74805001      | 74810000     | 1.38E-60 |
| chr5       | 74806001      | 74811000     | 5.33E-70 |
| chr5       | 74807001      | 74812000     | 7.83E-69 |
| chr5       | 75076001      | 75081000     | 2.86E-06 |
| chr5       | 75077001      | 75082000     | 0.000117257 |
| chr5       | 75090001      | 75095000     | 2.04E-16 |
| chr5       | 75091001      | 75096000     | 2.77E-15 |
| chr5       | 75092001      | 75097000     | 1.76E-18 |
| chr5       | 75093001      | 75098000     | 4.97E-16 |
| chr5       | 75134001      | 75139000     | 1.73E-07 |
| chr5       | 75173001      | 75178000     | 0.002845929 |
| chr5       | 75174001      | 75179000     | 0.002676131 |
| chr5       | 75187001      | 75192000     | 0.000159404 |
| chr5       | 75203001      | 75208000     | 9.65E-07 |
| chr5       | 75204001      | 75209000     | 2.26E-10 |
| chr5       | 75205001      | 75210000     | 4.71E-06 |
| chr5       | 75217001      | 75222000     | 1.16E-07 |
| chr5       | 75218001      | 75223000     | 0.00017509 |
| chr5       | 75219001      | 75224000     | 0.000354853 |
| chr5       | 75230001      | 75235000     | 6.54E-06 |
| chr5       | 75241001      | 75246000     | 1.81E-06 |
| chr5       | 75242001      | 75247000     | 9.62E-10 |
| chr5       | 75243001      | 75248000     | 2.03E-09 |
| chr5       | 75244001      | 75249000     | 2.37E-08 |
| chr5       | 75245001      | 75250000     | 4.27E-07 |
| chr5       | 75267001      | 75272000     | 2.28E-12 |
| chr5       | 75268001      | 75273000     | 5.83E-09 |
| chr5       | 75306001      | 75311000     | 4.17E-09 |
| chr5       | 75307001      | 75312000     | 2.19E-09 |
| Chromosome | Start | End   | Value        |
|------------|-------|-------|--------------|
| chr5       | 75308001 | 75313000 | 3.20E-05     |
| chr5       | 75339001 | 75344000 | 6.55E-06     |
| chr5       | 75340001 | 75345000 | 7.66E-06     |
| chr5       | 75341001 | 75346000 | 0.000221095  |
| chr5       | 75348001 | 75353000 | 2.45E-05     |
| chr5       | 75351001 | 75356000 | 5.63E-07     |
| chr5       | 75352001 | 75357000 | 3.75E-11     |
| chr5       | 75353001 | 75358000 | 3.43E-05     |
| chr5       | 75419001 | 75424000 | 5.15E-11     |
| chr5       | 75420001 | 75425000 | 8.16E-12     |
| chr5       | 75421001 | 75426000 | 2.25E-12     |
| chr5       | 75422001 | 75427000 | 8.25E-12     |
| chr5       | 75423001 | 75428000 | 4.53E-10     |
| chr5       | 75425001 | 75430000 | 0.010390604  |
| chr5       | 75426001 | 75431000 | 0.001666134  |
| chr5       | 75427001 | 75432000 | 3.11E-05     |
| chr5       | 75440001 | 75445000 | 0.010611694  |
| chr5       | 75452001 | 75457000 | 0.021337487  |
| chr5       | 75453001 | 75458000 | 0.020314839  |
| chr5       | 75454001 | 75459000 | 6.76E-05     |
| chr5       | 75513001 | 75518000 | 2.03E-07     |
| chr5       | 75514001 | 75519000 | 1.91E-05     |
| chr5       | 75588001 | 75593000 | 1.37E-06     |
| chr5       | 75633001 | 75638000 | 5.01E-08     |
| chr5       | 75634001 | 75639000 | 1.27E-09     |
| chr5       | 75635001 | 75640000 | 2.00E-08     |
| chr5       | 75695001 | 75700000 | 8.30E-20     |
| chr5       | 75696001 | 75701000 | 1.19E-14     |
| chr5       | 75697001 | 75702000 | 3.38E-10     |
| chr5       | 75698001 | 75703000 | 3.65E-08     |
| chr5       | 75699001 | 75704000 | 1.24E-09     |
| chr5       | 75723001 | 75728000 | 3.93E-08     |
| chr5       | 75724001 | 75729000 | 6.59E-08     |
| chr5       | 75731001 | 75736000 | 6.24E-07     |
| chr5       | 75811001 | 75816000 | 2.49E-07     |
| chr5       | 75812001 | 75817000 | 6.91E-08     |
| chr5       | 75813001 | 75818000 | 4.00E-08     |
| chr5       | 75819001 | 75824000 | 1.06E-05     |
| chr5       | 75821001 | 75826000 | 3.71E-05     |
| chr5       | 75822001 | 75827000 | 6.43E-05     |
| chr5       | 75824001 | 75829000 | 2.42E-07     |
| chr5       | 75836001 | 75841000 | 4.40E-10     |
| chr5       | 75837001 | 75842000 | 2.51E-11     |
| chr5       | 75838001 | 75843000 | 2.10E-10     |
| chr5       | 75860001 | 75865000 | 1.35E-09     |
| chr5       | 75861001 | 75866000 | 8.04E-09     |
| chr5       | 75871001 | 75876000 | 4.18E-05     |
| chr5       | 75882001 | 75887000 | 6.98E-08     |
| chr5 | Start (0x0) | End (0x0) | Score |
|------|-------------|-----------|-------|
| chr5 | 75883001    | 75888000  | 8.88E-10 |
| chr5 | 75884001    | 75889000  | 1.82E-05 |
| chr5 | 75885001    | 75890000  | 1.07E-05 |
| chr5 | 75918001    | 75923000  | 1.78E-12 |
| chr5 | 75919001    | 75924000  | 5.48E-16 |
| chr5 | 75920001    | 75925000  | 4.67E-19 |
| chr5 | 75921001    | 75926000  | 2.30E-13 |
| chr5 | 75922001    | 75927000  | 4.16E-08 |
| chr5 | 75946001    | 75951000  | 0.001686287 |
| chr5 | 75948001    | 75953000  | 7.22E-07 |
| chr5 | 75949001    | 75954000  | 2.41E-08 |
| chr5 | 75985001    | 75990000  | 3.04E-06 |
| chr5 | 76008001    | 76013000  | 1.45E-08 |
| chr5 | 76009001    | 76014000  | 3.01E-23 |
| chr5 | 76010001    | 76015000  | 2.10E-20 |
| chr5 | 76011001    | 76016000  | 4.11E-51 |
| chr5 | 76012001    | 76017000  | 1.02E-32 |
| chr5 | 76196001    | 76201000  | 3.87E-05 |
| chr5 | 76326001    | 76331000  | 1.19E-55 |
| chr5 | 76369001    | 76374000  | 9.34E-30 |
| chr5 | 76370001    | 76375000  | 7.46E-34 |
| chr5 | 76371001    | 76376000  | 2.30E-38 |
| chr5 | 76372001    | 76377000  | 2.02E-21 |
| chr5 | 76373001    | 76378000  | 1.12E-24 |
| chr5 | 76378001    | 76383000  | 8.70E-19 |
| chr5 | 76379001    | 76384000  | 6.71E-23 |
| chr5 | 76383001    | 76388000  | 2.09E-12 |
| chr5 | 76472001    | 76477000  | 3.72E-11 |
| chr5 | 76502001    | 76507000  | 1.24E-11 |
| chr5 | 76570001    | 76575000  | 1.39E-06 |
| chr5 | 76799001    | 76804000  | 7.10E-17 |
| chr5 | 76844001    | 76849000  | 1.47E-05 |
| chr5 | 76948001    | 76953000  | 1.78E-06 |
| chr5 | 77136001    | 77141000  | 2.83E-16 |
| chr5 | 77585001    | 77590000  | 1.36E-16 |
| chr5 | 77586001    | 77591000  | 5.98E-65 |
| chr5 | 77587001    | 77592000  | 2.41E-78 |
| chr5 | 77588001    | 77593000  | 3.56E-64 |
| chr5 | 77589001    | 77594000  | 3.38E-39 |
| chr5 | 77590001    | 77595000  | 2.46E-29 |
| chr5 | 77591001    | 77596000  | 2.65E-17 |
| chr5 | 77595001    | 77600000  | 2.94E-05 |
| chr5 | 77596001    | 77601000  | 1.24E-05 |
| chr5 | 77597001    | 77602000  | 1.97E-05 |
| chr5 | 77651001    | 77656000  | 4.76E-21 |
| chr5 | 77652001    | 77657000  | 5.78E-35 |
| chr5 | 77653001    | 77658000  | 3.39E-24 |
| chr5 | 77739001    | 77744000  | 1.15E-05 |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr5       | 77944001       | 77949000     | 3.96E-49       |
| chr5       | 78235001       | 78240000     | 1.40E-09       |
| chr5       | 78281001       | 78286000     | 1.23E-38       |
| chr5       | 78309001       | 78314000     | 0.000997904    |
| chr5       | 78310001       | 78315000     | 0.001622486    |
| chr5       | 78337001       | 78342000     | 1.62E-07       |
| chr5       | 78527001       | 78532000     | 7.11E-30       |
| chr5       | 78528001       | 78533000     | 0.001649883    |
| chr5       | 78800001       | 78805000     | 6.46E-58       |
| chr5       | 78801001       | 78806000     | 7.56E-07       |
| chr5       | 78802001       | 78807000     | 6.47E-06       |
| chr5       | 78903001       | 78908000     | 1.10E-07       |
| chr5       | 78904001       | 78909000     | 1.20E-16       |
| chr5       | 79211001       | 79216000     | 3.79E-07       |
| chr5       | 79240001       | 79245000     | 1.94E-05       |
| chr5       | 79262001       | 79267000     | 2.50E-06       |
| chr5       | 79282001       | 79287000     | 3.22E-52       |
| chr5       | 79283001       | 79288000     | 2.24E-37       |
| chr5       | 79284001       | 79289000     | 1.95E-41       |
| chr5       | 79285001       | 79290000     | 2.01E-38       |
| chr5       | 79286001       | 79291000     | 4.26E-40       |
| chr5       | 79307001       | 79312000     | 3.88E-09       |
| chr5       | 79699001       | 79704000     | 3.43E-18       |
| chr5       | 79700001       | 79705000     | 2.52E-23       |
| chr5       | 79701001       | 79706000     | 1.05E-19       |
| chr5       | 79702001       | 79707000     | 8.70E-14       |
| chr5       | 79703001       | 79708000     | 1.19E-11       |
| chr5       | 79779001       | 79784000     | 4.29E-32       |
| chr5       | 79780001       | 79785000     | 2.69E-29       |
| chr5       | 79781001       | 79786000     | 5.83E-39       |
| chr5       | 79782001       | 79787000     | 9.65E-27       |
| chr5       | 79783001       | 79788000     | 7.84E-23       |
| chr5       | 79863001       | 79868000     | 1.19E-08       |
| chr5       | 79864001       | 79869000     | 1.23E-16       |
| chr5       | 79865001       | 79870000     | 6.10E-18       |
| chr5       | 79950001       | 79955000     | 2.52E-24       |
| chr5       | 80344001       | 80349000     | 1.59E-05       |
| chr5       | 80394001       | 80399000     | 1.27E-10       |
| chr5       | 80395001       | 80400000     | 1.17E-11       |
| chr5       | 80397001       | 80402000     | 2.35E-06       |
| chr5       | 80429001       | 80434000     | 0.000201987    |
| chr5       | 81041001       | 81046000     | 4.86E-37       |
| chr5       | 81042001       | 81047000     | 1.25E-59       |
| chr5       | 81043001       | 81048000     | 3.29E-37       |
| chr5       | 81044001       | 81049000     | 2.35E-36       |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr5       | 81045001 | 81050000 | 1.05E-42  |
| chr5       | 81046001 | 81051000 | 8.61E-48  |
| chr5       | 81047001 | 81052000 | 1.56E-36  |
| chr5       | 81263001 | 81268000 | 2.51E-40  |
| chr5       | 81265001 | 81270000 | 1.97E-54  |
| chr5       | 81266001 | 81271000 | 6.15E-54  |
| chr5       | 81267001 | 81272000 | 1.92E-44  |
| chr5       | 81268001 | 81273000 | 3.85E-46  |
| chr5       | 81323001 | 81328000 | 0.001429579 |
| chr5       | 81324001 | 81329000 | 0.000800533 |
| chr5       | 81325001 | 81330000 | 0.00022406 |
| chr5       | 81574001 | 81579000 | 2.84E-16  |
| chr5       | 81832001 | 81837000 | 3.31E-06  |
| chr5       | 81833001 | 81838000 | 4.69E-07  |
| chr5       | 81834001 | 81839000 | 0.000239048 |
| chr5       | 81855001 | 81860000 | 2.89E-08  |
| chr5       | 81887001 | 81892000 | 0.000137792 |
| chr5       | 81945001 | 81950000 | 0.000145662 |
| chr5       | 81946001 | 81951000 | 0.000206814 |
| chr5       | 82181001 | 82186000 | 3.35E-05  |
| chr5       | 82369001 | 82374000 | 3.30E-28  |
| chr5       | 82370001 | 82375000 | 1.91E-30  |
| chr5       | 82371001 | 82376000 | 5.33E-25  |
| chr5       | 83015001 | 83020000 | 3.11E-18  |
| chr5       | 83016001 | 83021000 | 3.24E-20  |
| chr5       | 83017001 | 83022000 | 4.90E-26  |
| chr5       | 83018001 | 83023000 | 1.63E-35  |
| chr5       | 83680001 | 83685000 | 5.56E-93  |
| chr5       | 84190001 | 84195000 | 0.001791342 |
| chr5       | 84714001 | 84719000 | 4.40E-08  |
| chr5       | 84715001 | 84720000 | 3.10E-08  |
| chr5       | 84716001 | 84721000 | 1.29E-06  |
| chr5       | 85252001 | 85257000 | 4.89E-05  |
| chr5       | 85591001 | 85596000 | 6.12E-05  |
| chr5       | 85910001 | 85915000 | 1.18E-21  |
| chr5       | 85911001 | 85916000 | 4.44E-19  |
| chr5       | 85912001 | 85917000 | 7.23E-27  |
| chr5       | 85913001 | 85918000 | 3.92E-29  |
| chr5       | 85927001 | 85932000 | 1.55E-05  |
| chr5       | 85928001 | 85933000 | 0.000541935 |
| chr5       | 85945001 | 85950000 | 0.011080349 |
| chr5       | 86143001 | 86148000 | 1.41E-05  |
| chr5       | 86229001 | 86234000 | 8.53E-05  |
| chr5       | 86357001 | 86362000 | 0.002435946 |
| chr5       | 86430001 | 86435000 | 0.002549494 |
| chr5       | 86431001 | 86436000 | 0.003040433 |
| chr5       | 86432001 | 86437000 | 0.001017083 |
| Chromosome | Start Coord | End Coord | P-Value |
|------------|-------------|-----------|---------|
| chr5       | 86433001    | 86438000  | 0.000516299 |
| chr5       | 86465001    | 86470000  | 1.08E-06   |
| chr5       | 86467001    | 86472000  | 1.83E-06   |
| chr5       | 86559001    | 86564000  | 8.11E-36   |
| chr5       | 86560001    | 86565000  | 1.86E-42   |
| chr5       | 86561001    | 86566000  | 1.46E-57   |
| chr5       | 86562001    | 86567000  | 7.09E-53   |
| chr5       | 86563001    | 86568000  | 5.32E-28   |
| chr5       | 86564001    | 86569000  | 3.27E-24   |
| chr5       | 86685001    | 86690000  | 0.000825549 |
| chr5       | 87085001    | 87090000  | 0.008771064 |
| chr5       | 87538001    | 87543000  | 4.86E-08   |
| chr5       | 87539001    | 87544000  | 3.06E-07   |
| chr5       | 87560001    | 87565000  | 8.12E-26   |
| chr5       | 87561001    | 87566000  | 3.36E-33   |
| chr5       | 87563001    | 87568000  | 8.23E-43   |
| chr5       | 87564001    | 87569000  | 9.22E-43   |
| chr5       | 87650001    | 87655000  | 0.000454998 |
| chr5       | 87651001    | 87656000  | 0.0052455   |
| chr5       | 87678001    | 87683000  | 0.009972787 |
| chr5       | 88180001    | 88185000  | 3.52E-23   |
| chr5       | 88228001    | 88233000  | 0.013882571 |
| chr5       | 88244001    | 88249000  | 0.000249987 |
| chr5       | 88276001    | 88281000  | 0.00018712  |
| chr5       | 88278001    | 88283000  | 0.000568661 |
| chr5       | 88280001    | 88285000  | 4.46E-07   |
| chr5       | 88321001    | 88326000  | 1.70E-06   |
| chr5       | 88323001    | 88328000  | 1.43E-07   |
| chr5       | 88324001    | 88329000  | 4.90E-05   |
| chr5       | 88325001    | 88330000  | 6.38E-05   |
| chr5       | 88326001    | 88331000  | 0.001069067 |
| chr5       | 88327001    | 88332000  | 0.001807653 |
| chr5       | 88328001    | 88333000  | 0.003335514 |
| chr5       | 88329001    | 88334000  | 0.000746757 |
| chr5       | 88364001    | 88369000  | 0.000240059 |
| chr5       | 88383001    | 88388000  | 2.49E-06   |
| chr5       | 88519001    | 88524000  | 0.000293052 |
| chr5       | 88605001    | 88610000  | 0.005895837 |
| chr5       | 88685001    | 88690000  | 0.021807476 |
| chr5       | 88921001    | 88926000  | 1.41E-06   |
| chr5       | 88922001    | 88927000  | 1.30E-05   |
| chr5       | 89001001    | 89006000  | 0.002134474 |
| chr5       | 89081001    | 89086000  | 0.003402042 |
| chr5       | 89082001    | 89087000  | 0.000131019 |
| chr5       | 89083001    | 89088000  | 7.23E-05   |
| chr5       | 89084001    | 89089000  | 1.15E-05   |
| chr5       | 89402001    | 89407000  | 0.0167869285 |
| chr5       | 89403001    | 89408000  | 0.032937261 |
| Chromosome | Start Base | End Base | p-Value |
|------------|------------|----------|---------|
| chr5       | 89440001   | 89449000 | 2.42E-08|
| chr5       | 89450001   | 89463000 | 7.16E-05|
| chr5       | 89502000   | 89507000 | 9.02E-09|
| chr5       | 89503000   | 89508000 | 5.77E-11|
| chr5       | 89504000   | 89509000 | 7.55E-10|
| chr5       | 89505000   | 89510000 | 7.21E-08|
| chr5       | 89506000   | 89511000 | 1.34E-08|
| chr5       | 89507000   | 89512000 | 2.30E-06|
| chr5       | 89508000   | 89513000 | 0.000320559|
| chr5       | 89509000   | 89514000 | 0.0000420777|
| chr5       | 89678000   | 89683000 | 9.18E-05|
| chr5       | 89705000   | 89710000 | 6.34E-12|
| chr5       | 89765000   | 89770000 | 5.19E-36|
| chr5       | 89766000   | 89771000 | 4.81E-42|
| chr5       | 89770000   | 89775000 | 8.67E-24|
| chr5       | 90493000   | 90498000 | 0.000517424|
| chr5       | 90494000   | 90499000 | 0.000972778|
| chr5       | 90574000   | 90579000 | 1.34E-28|
| chr5       | 90671000   | 90676000 | 1.62E-28|
| chr5       | 90672000   | 90677000 | 9.53E-42|
| chr5       | 91075000   | 91080000 | 3.90E-06|
| chr5       | 91076000   | 91081000 | 0.00264887|
| chr5       | 91439000   | 91444000 | 0.000171502|
| chr5       | 91440000   | 91445000 | 0.000392111|
| chr5       | 91441000   | 91446000 | 0.000276725|
| chr5       | 91442000   | 91447000 | 0.000229971|
| chr5       | 91801000   | 91806000 | 0.00146527|
| chr5       | 91802000   | 91807000 | 0.000115809|
| chr5       | 91803000   | 91808000 | 0.000652714|
| chr5       | 92411000   | 92416000 | 9.12E-07|
| chr5       | 92430000   | 92435000 | 4.22E-05|
| chr5       | 92952000   | 92957000 | 1.90E-64|
| chr5       | 92953000   | 92958000 | 3.03E-72|
| chr5       | 92954000   | 92959000 | 1.19E-53|
| chr5       | 92955000   | 92960000 | 1.45E-46|
| chr5       | 92957000   | 92962000 | 1.22E-29|
| chr5       | 93013000   | 93018000 | 6.85E-08|
| chr5       | 93230000   | 93235000 | 0.003676839|
| chr5       | 93250000   | 93260000 | 1.06E-10|
| chr5       | 93256000   | 93261000 | 9.46E-07|
| chr5       | 93687000   | 93692000 | 4.67E-05|
| chr5       | 93954000   | 93959000 | 6.35E-29|
| chr5       | 94615000   | 94620000 | 9.34E-53|
| chr5       | 94650000   | 94655000 | 4.79E-06|
| chr5       | 94675000   | 94680000 | 6.36E-07|
| chr5       | 94885000   | 94890000 | 7.85E-18|
| chr5       | 94886000   | 94891000 | 9.76E-72|
| chr5       | 94887000   | 94892000 | 2.49E-60|
| Chr | Start | End | p-value |
|-----|-------|-----|---------|
| chr5 | 94888001 | 94893000 | 1.12E-42 |
| chr5 | 94956001 | 94961000 | 2.77E-18 |
| chr5 | 94957001 | 94962000 | 1.12E-14 |
| chr5 | 95062001 | 95067000 | 6.22E-40 |
| chr5 | 95063001 | 95068000 | 3.39E-46 |
| chr5 | 95064001 | 95069000 | 1.96E-82 |
| chr5 | 95065001 | 95070000 | 8.66E-100 |
| chr5 | 95066001 | 95071000 | 2.82E-77 |
| chr5 | 95067001 | 95072000 | 1.69E-76 |
| chr5 | 95166001 | 95171000 | 1.47E-11 |
| chr5 | 95296001 | 95301000 | 2.30E-56 |
| chr5 | 95297001 | 95302000 | 4.99E-57 |
| chr5 | 95468001 | 95473000 | 0.0036176 |
| chr5 | 95469001 | 95474000 | 0.002948032 |
| chr5 | 95470001 | 95475000 | 0.003338046 |
| chr5 | 95770001 | 95775000 | 2.49E-14 |
| chr5 | 95987001 | 95992000 | 0.004221385 |
| chr5 | 96036001 | 96041000 | 7.09E-45 |
| chr5 | 96037001 | 96042000 | 8.55E-65 |
| chr5 | 96038001 | 96043000 | 1.15E-44 |
| chr5 | 96058001 | 96063000 | 0.000179778 |
| chr5 | 96139001 | 96144000 | 2.22E-29 |
| chr5 | 96140001 | 96145000 | 2.25E-20 |
| chr5 | 96141001 | 96146000 | 1.36E-22 |
| chr5 | 96142001 | 96147000 | 1.11E-44 |
| chr5 | 96143001 | 96148000 | 5.30E-47 |
| chr5 | 96144001 | 96149000 | 1.20E-11 |
| chr5 | 96156001 | 96161000 | 7.06E-05 |
| chr5 | 96266001 | 96271000 | 7.06E-41 |
| chr5 | 96272001 | 96277000 | 2.49E-22 |
| chr5 | 96514001 | 96519000 | 1.05E-14 |
| chr5 | 97006001 | 97011000 | 0.000843649 |
| chr5 | 97007001 | 97012000 | 0.000203155 |
| chr5 | 97008001 | 97013000 | 0.002037053 |
| chr5 | 97009001 | 97014000 | 1.39E-05 |
| chr5 | 97159001 | 97164000 | 1.49E-10 |
| chr5 | 97169001 | 97174000 | 0.016946686 |
| chr5 | 97223001 | 97228000 | 0.00202832 |
| chr5 | 97224001 | 97229000 | 0.001231341 |
| chr5 | 97598001 | 97603000 | 0.004492848 |
| chr5 | 97865001 | 97870000 | 0.006974835 |
| chr5 | 97866001 | 97871000 | 0.009295809 |
| chr5 | 98087001 | 98092000 | 0.000203875 |
| chr5 | 98100001 | 98105000 | 2.13E-27 |
| chr5 | 98259001 | 98264000 | 5.16E-12 |
| chr5 | 98264001 | 98269000 | 8.02E-86 |
| chr5 | 98265001 | 98270000 | 1.59E-61 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr5       | 98523001       | 98528000     | 1.55E-06|
| chr5       | 98585001       | 98590000     | 4.10E-05|
| chr5       | 98611001       | 98616000     | 3.44E-05|
| chr5       | 98612001       | 98617000     | 0.004563132|
| chr5       | 98613001       | 98618000     | 0.005086565|
| chr5       | 98834001       | 98839000     | 0.002763746|
| chr5       | 98929001       | 98934000     | 0.004948838|
| chr5       | 99116001       | 99121000     | 0.001728329|
| chr5       | 99117001       | 99122000     | 0.005263009|
| chr5       | 99164001       | 99169000     | 0.000156244|
| chr5       | 99228001       | 99233000     | 0.000220087|
| chr5       | 99307001       | 99312000     | 0.004233045|
| chr5       | 99576001       | 99581000     | 0.000453915|
| chr5       | 99603001       | 99608000     | 0.0001089|
| chr5       | 99604001       | 99609000     | 0.000641432|
| chr5       | 99615001       | 99620000     | 7.07E-06|
| chr5       | 99616001       | 99621000     | 7.07E-06|
| chr5       | 99867001       | 99872000     | 9.56E-41|
| chr5       | 99868001       | 99873000     | 2.28E-43|
| chr5       | 99869001       | 99874000     | 3.43E-55|
| chr5       | 99870001       | 99875000     | 3.20E-58|
| chr5       | 99871001       | 99876000     | 5.60E-84|
| chr5       | 100031001      | 100036000    | 0.008383545|
| chr5       | 100232001      | 100237000    | 8.73E-46|
| chr5       | 100255001      | 100260000    | 5.93E-05|
| chr5       | 100257001      | 100262000    | 0.000104655|
| chr5       | 100258001      | 100263000    | 3.61E-05|
| chr5       | 100361001      | 100366000    | 1.13E-05|
| chr5       | 100597001      | 100602000    | 3.29E-06|
| chr5       | 100683001      | 100688000    | 9.07E-07|
| chr5       | 100922001      | 100927000    | 5.57E-07|
| chr5       | 100923001      | 100928000    | 1.26E-06|
| chr5       | 100924001      | 100929000    | 0.000349083|
| chr5       | 101233001      | 101238000    | 0.002932628|
| chr5       | 101374001      | 101379000    | 2.33E-06|
| chr5       | 101384001      | 101389000    | 0.006798515|
| chr5       | 101400001      | 101405000    | 0.005414532|
| chr5       | 101525001      | 101530000    | 5.46E-07|
| chr5       | 101537001      | 101542000    | 1.98E-05|
| chr5       | 101586001      | 101591000    | 1.23E-06|
| chr5       | 101587001      | 101592000    | 2.40E-05|
| chr5       | 101601001      | 101606000    | 1.29E-06|
| chr5       | 101602001      | 101607000    | 2.24E-06|
| chr5       | 101603001      | 101608000    | 0.000845808|
| chr5       | 101604001      | 101609000    | 0.001609813|
| chr5       | 101619001      | 101624000    | 0.002028799|
| chr5       | 101627001      | 101632000    | 6.09E-19|
| chr5       | 101648001      | 101653000    | 7.09E-05|

chr5: Chromosome 5
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr5       | 101649001      | 101654000    | 0.000266279 |
| chr5       | 101674001      | 101679000    | 3.92E-08 |
| chr5       | 101718001      | 101723000    | 0.000153203 |
| chr5       | 101741001      | 101746000    | 6.71E-05 |
| chr5       | 101742001      | 101747000    | 0.000518647 |
| chr5       | 101860001      | 101865000    | 3.71E-06 |
| chr5       | 101861001      | 101866000    | 0.000460795 |
| chr5       | 101894001      | 101899000    | 4.31E-09 |
| chr5       | 101895001      | 101900000    | 1.96E-08 |
| chr5       | 101896001      | 101901000    | 9.57E-10 |
| chr5       | 101897001      | 101902000    | 5.92E-07 |
| chr5       | 101898001      | 101903000    | 4.64E-10 |
| chr5       | 102086001      | 102091000    | 3.92E-10 |
| chr5       | 102087001      | 102092000    | 6.62E-08 |
| chr5       | 102088001      | 102093000    | 1.76E-20 |
| chr5       | 102089001      | 102094000    | 2.09E-21 |
| chr5       | 102090001      | 102095000    | 9.90E-29 |
| chr5       | 102091001      | 102096000    | 1.34E-24 |
| chr5       | 102197001      | 102202000    | 1.04E-16 |
| chr5       | 102199001      | 102204000    | 8.41E-27 |
| chr5       | 102200001      | 102205000    | 9.75E-29 |
| chr5       | 102201001      | 102206000    | 6.22E-26 |
| chr5       | 102330001      | 102335000    | 1.55E-05 |
| chr5       | 102405001      | 102410000    | 9.30E-06 |
| chr5       | 102406001      | 102411000    | 1.05E-05 |
| chr5       | 102546001      | 102551000    | 1.98E-05 |
| chr5       | 102590001      | 102595000    | 2.10E-37 |
| chr5       | 102591001      | 102596000    | 7.92E-64 |
| chr5       | 102592001      | 102597000    | 7.27E-78 |
| chr5       | 102593001      | 102598000    | 7.65E-82 |
| chr5       | 102594001      | 102599000    | 7.14E-36 |
| chr5       | 102595001      | 102600000    | 8.85E-38 |
| chr5       | 102720001      | 102725000    | 2.22E-08 |
| chr5       | 102836001      | 102841000    | 0.000290366 |
| chr5       | 102881001      | 102886000    | 0.005111951 |
| chr5       | 102933001      | 102938000    | 0.004363076 |
| chr5       | 103192001      | 103197000    | 0.000599063 |
| chr5       | 103307001      | 103312000    | 0.000164747 |
| chr5       | 103431001      | 103436000    | 1.78E-05 |
| chr5       | 103831001      | 103836000    | 7.10E-06 |
| chr5       | 103832001      | 103837000    | 4.00E-05 |
| chr5       | 103833001      | 103838000    | 9.33E-07 |
| chr5       | 103834001      | 103839000    | 4.91E-06 |
| chr5       | 104242001      | 104247000    | 0.017029208 |
| chr5       | 104243001      | 104248000    | 7.10E-08 |
| chr5       | 104244001      | 104249000    | 1.45E-09 |
| Chr  | Start  | End    | Log10 P Value |
|------|--------|--------|---------------|
| 5    | 104245 | 104250 | 8.06E-11      |
| 5    | 104246 | 104251 | 1.42E-09      |
| 5    | 104247 | 104252 | 9.97E-07      |
| 5    | 104289 | 104294 | 3.09E-05      |
| 5    | 104291 | 104296 | 0.000751074   |
| 5    | 104292 | 104297 | 0.00902588    |
| 5    | 104649 | 104654 | 4.35E-09      |
| 5    | 104664 | 104669 | 3.59E-06      |
| 5    | 104666 | 104671 | 0.004621926   |
| 5    | 104772 | 104777 | 0.006945476   |
| 5    | 104844 | 104849 | 0.005435723   |
| 5    | 104937 | 104942 | 0.000751074   |
| 5    | 105243 | 105248 | 0.002421246   |
| 5    | 105410 | 105415 | 0.003933118   |
| 5    | 106143 | 106148 | 3.29E-06      |
| 5    | 106144 | 106149 | 3.72E-05      |
| 5    | 106903 | 106908 | 2.00E-13      |
| 5    | 107000 | 107005 | 2.71E-28      |
| 5    | 107001 | 107006 | 7.80E-47      |
| 5    | 107002 | 107007 | 5.63E-47      |
| 5    | 107107 | 107112 | 1.07E-07      |
| 5    | 107108 | 107113 | 9.81E-07      |
| 5    | 107712 | 107717 | 5.90E-37      |
| 5    | 107713 | 107718 | 3.66E-55      |
| 5    | 107896 | 107901 | 0.007253128   |
| 5    | 108059 | 108064 | 4.36E-46      |
| 5    | 108075 | 108080 | 0.000256503   |
| 5    | 108264 | 108269 | 1.93E-10      |
| 5    | 108265 | 108270 | 2.07E-07      |
| 5    | 108266 | 108271 | 1.51E-09      |
| 5    | 108741 | 108746 | 3.49E-35      |
| 5    | 108997 | 109002 | 1.39E-06      |
| 5    | 108998 | 109003 | 7.23E-07      |
| 5    | 109009 | 109014 | 0.012975408   |
| 5    | 109020 | 109025 | 6.97E-15      |
| 5    | 109021 | 109026 | 2.47E-51      |
| 5    | 109380 | 109385 | 0.001017737   |
| 5    | 109381 | 109386 | 0.002710408   |
| 5    | 109382 | 109387 | 0.000129987   |
| 5    | 109454 | 109459 | 1.56E-05      |
| 5    | 109455 | 109460 | 1.30E-05      |
| 5    | 109457 | 109462 | 0.000244948   |
| 5    | 109458 | 109463 | 1.95E-05      |
| 5    | 109519 | 109524 | 0.000113128   |
| 5    | 109544 | 109549 | 0.00095672    |
| 5    | 109625 | 109630 | 0.000288421   |
| 5    | 109733 | 109738 | 0.019894396   |
| 5    | 109763 | 109768 | 0.001352032   |
| Chr | Start | End   | Log10 P-Value  |
|-----|-------|-------|---------------|
| chr5 | 109764001 | 109769000 | 0.000373623   |
| chr5 | 109766001 | 109771000 | 0.001076      |
| chr5 | 109767001 | 109772000 | 0.000236604   |
| chr5 | 109768001 | 109773000 | 0.000242814   |
| chr5 | 109772001 | 109777000 | 8.53E-06      |
| chr5 | 109773001 | 109778000 | 2.16E-05      |
| chr5 | 109903001 | 109908000 | 0.00233852    |
| chr5 | 109912001 | 109917000 | 3.24E-05      |
| chr5 | 109975001 | 109980000 | 0.006649729   |
| chr5 | 110070001 | 110075000 | 0.001797482   |
| chr5 | 110073001 | 110078000 | 0.001797482   |
| chr5 | 110074001 | 110079000 | 0.001797482   |
| chr5 | 110145001 | 110150000 | 0.000521421   |
| chr5 | 110146001 | 110151000 | 0.000609656   |
| chr5 | 110147001 | 110152000 | 0.000579228   |
| chr5 | 110148001 | 110153000 | 3.77E-06      |
| chr5 | 110257001 | 110262000 | 2.91E-06      |
| chr5 | 110258001 | 110263000 | 1.43E-06      |
| chr5 | 110259001 | 110264000 | 0.000288466   |
| chr5 | 110260001 | 110265000 | 3.44E-17      |
| chr5 | 110454001 | 110459000 | 0.0006816503  |
| chr5 | 110500001 | 110505000 | 0.000755622   |
| chr5 | 110555001 | 110560000 | 6.13E-45      |
| chr5 | 110556001 | 110561000 | 1.08E-64      |
| chr5 | 110557001 | 110562000 | 2.89E-49      |
| chr5 | 110558001 | 110563000 | 1.78E-61      |
| chr5 | 110559001 | 110564000 | 4.49E-46      |
| chr5 | 110560001 | 110565000 | 4.85E-43      |
| chr5 | 110618001 | 110623000 | 0.002205981   |
| chr5 | 110779001 | 110784000 | 2.88E-05      |
| chr5 | 110843001 | 110848000 | 2.67E-45      |
| chr5 | 110844001 | 110849000 | 9.40E-47      |
| chr5 | 110845001 | 110850000 | 0.00499504    |
| chr5 | 110906001 | 110911000 | 2.01E-05      |
| chr5 | 111043001 | 111048000 | 6.87E-06      |
| chr5 | 111093001 | 111098000 | 1.02E-35      |
| chr5 | 111230001 | 111235000 | 0.000846731   |
| chr5 | 111231001 | 111236000 | 0.004051581   |
| chr5 | 111233001 | 111238000 | 0.00312218    |
| chr5 | 111329001 | 111334000 | 8.55E-45      |
| chr5 | 111447001 | 111452000 | 3.50E-24      |
| chr5 | 111448001 | 111453000 | 0.000539064   |
| chr5 | 111755001 | 111760000 | 8.55E-45      |
| chr5 | 111756001 | 111761000 | 3.50E-45      |
| Chr  | Start       | End         | P-value       |
|------|-------------|-------------|---------------|
| chr5 | 11185000    | 11185500    | 0.00212124    |
| chr5 | 11203900    | 11204400    | 3.20E-44      |
| chr5 | 11225300    | 11225800    | 4.30E-20      |
| chr5 | 11225400    | 11225900    | 2.18E-15      |
| chr5 | 11225500    | 11226000    | 7.91E-12      |
| chr5 | 11225600    | 11226100    | 4.10E-29      |
| chr5 | 11225700    | 11226200    | 1.14E-22      |
| chr5 | 11230800    | 11231300    | 1.06E-21      |
| chr5 | 11231200    | 11231700    | 2.41E-50      |
| chr5 | 11231300    | 11231800    | 2.37E-26      |
| chr5 | 11262600    | 11263100    | 2.81E-40      |
| chr5 | 11263000    | 11263500    | 4.92E-14      |
| chr5 | 11266500    | 11267000    | 7.03E-06      |
| chr5 | 11281100    | 11281600    | 3.55E-05      |
| chr5 | 11281200    | 11281700    | 0.00341744    |
| chr5 | 11281300    | 11281800    | 5.61E-05      |
| chr5 | 11299300    | 11299800    | 1.14E-05      |
| chr5 | 11299500    | 11300000    | 1.04E-06      |
| chr5 | 11299600    | 11300100    | 9.37E-08      |
| chr5 | 11299700    | 11300200    | 1.16E-07      |
| chr5 | 11303000    | 11303500    | 0.00565901    |
| chr5 | 11303600    | 11304100    | 0.00316024    |
| chr5 | 11303900    | 11304400    | 0.00145644    |
| chr5 | 11304000    | 11304500    | 3.02E-05      |
| chr5 | 11304100    | 11304600    | 7.04E-05      |
| chr5 | 11306100    | 11306600    | 1.51E-05      |
| chr5 | 11306200    | 11306700    | 2.24E-09      |
| chr5 | 11312900    | 11313400    | 0.02844015    |
| chr5 | 11315200    | 11315700    | 2.61E-06      |
| chr5 | 11315300    | 11315800    | 2.06E-06      |
| chr5 | 11315400    | 11315900    | 9.74E-06      |
| chr5 | 11317000    | 11317500    | 5.03E-08      |
| chr5 | 11317100    | 11317600    | 6.89E-10      |
| chr5 | 11317200    | 11317700    | 4.44E-09      |
| chr5 | 11317300    | 11317800    | 5.25E-10      |
| chr5 | 11327200    | 11327700    | 0.01227125    |
| chr5 | 11333300    | 11333800    | 0.00138180    |
| chr5 | 11335900    | 11336400    | 7.50E-06      |
| chr5 | 11336000    | 11336500    | 6.85E-08      |
| chr5 | 11341500    | 11342000    | 0.00454138    |
| chr5 | 11341600    | 11342100    | 0.00296328    |
| chr5 | 11350400    | 11350900    | 2.38E-07      |
| chr5 | 11350500    | 11351000    | 1.16E-05      |
| chr5 | 11362200    | 11362700    | 0.00317872    |
| chr5 | 11381100    | 11381600    | 4.85E-07      |
| chr5 | 11381200    | 11381700    | 1.59E-06      |
| chr5 | 11381500    | 11382000    | 2.37E-07      |
| chr  | Start  | End    | P-value |
|------|--------|--------|---------|
| chr5 | 113848001 | 113853000 | 3.15E-05 |
| chr5 | 113904001 | 113909000 | 0.000154561 |
| chr5 | 113905001 | 113910000 | 1.70E-13 |
| chr5 | 113906001 | 113911000 | 6.67E-07 |
| chr5 | 113907001 | 113912000 | 1.91E-05 |
| chr5 | 113908001 | 113913000 | 3.00E-06 |
| chr5 | 113909001 | 113914000 | 1.77E-07 |
| chr5 | 113935001 | 113940000 | 2.06E-09 |
| chr5 | 113936001 | 113941000 | 1.08E-08 |
| chr5 | 113937001 | 113942000 | 5.28E-10 |
| chr5 | 113948001 | 113953000 | 0.000192453 |
| chr5 | 113949001 | 113954000 | 8.62E-05 |
| chr5 | 113950001 | 113955000 | 0.000192453 |
| chr5 | 113957001 | 113962000 | 1.53E-07 |
| chr5 | 113958001 | 113963000 | 4.72E-07 |
| chr5 | 113959001 | 113964000 | 8.05E-06 |
| chr5 | 113981001 | 113986000 | 6.49E-07 |
| chr5 | 113982001 | 113987000 | 2.43E-07 |
| chr5 | 113983001 | 113988000 | 5.26E-10 |
| chr5 | 113996001 | 114001000 | 1.48E-08 |
| chr5 | 113999001 | 114004000 | 3.24E-06 |
| chr5 | 114010001 | 114015000 | 7.32E-05 |
| chr5 | 114012001 | 114017000 | 0.000187848 |
| chr5 | 114014001 | 114019000 | 0.000886065 |
| chr5 | 114016001 | 114021000 | 5.72E-05 |
| chr5 | 114071001 | 114076000 | 3.89E-08 |
| chr5 | 114072001 | 114077000 | 1.48E-14 |
| chr5 | 114073001 | 114078000 | 5.05E-12 |
| chr5 | 114074001 | 114079000 | 2.12E-11 |
| chr5 | 114075001 | 114080000 | 4.51E-15 |
| chr5 | 114076001 | 114081000 | 2.40E-12 |
| chr5 | 114082001 | 114087000 | 0.001770542 |
| chr5 | 114083001 | 114088000 | 0.00076222 |
| chr5 | 114087001 | 114092000 | 0.000267745 |
| chr5 | 114094001 | 114099000 | 5.14E-06 |
| chr5 | 114095001 | 114100000 | 1.53E-07 |
| chr5 | 114103001 | 114108000 | 0.000208311 |
| chr5 | 114106001 | 114111000 | 3.18E-05 |
| chr5 | 114147001 | 114152000 | 3.55E-06 |
| chr5 | 114152001 | 114157000 | 4.18E-06 |
| chr5 | 114156001 | 114161000 | 0.000628222 |
| chr5 | 114157001 | 114162000 | 0.001140621 |
| chr5 | 114163001 | 114168000 | 0.000312882 |
| chr5 | 114166001 | 114171000 | 5.45E-11 |
| chr5 | 114167001 | 114172000 | 2.93E-09 |
| chr5 | 114168001 | 114173000 | 7.83E-08 |
| chr5 | 114169001 | 114174000 | 4.56E-07 |
| chr5 | 114196001 | 114201000 | 1.31E-09 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr5       | 115020001      | 115025000    | 0.001213296 |
| chr5       | 115416001      | 115421000    | 4.56E-26 |
| chr5       | 115417001      | 115422000    | 6.67E-44 |
| chr5       | 115418001      | 115423000    | 5.27E-28 |
| chr5       | 115489001      | 115494000    | 0.000800238 |
| chr5       | 115490001      | 115495000    | 1.78E-07 |
| chr5       | 115491001      | 115496000    | 3.82E-06 |
| chr5       | 115492001      | 115497000    | 1.30E-08 |
| chr5       | 115493001      | 115498000    | 2.71E-13 |
| chr5       | 115989001      | 115994000    | 5.10E-05 |
| chr5       | 116299001      | 116304000    | 0.000471805 |
| chr5       | 116344001      | 116349000    | 1.98E-07 |
| chr5       | 116345001      | 116350000    | 3.99E-09 |
| chr5       | 116346001      | 116351000    | 2.34E-07 |
| chr5       | 116347001      | 116352000    | 6.05E-08 |
| chr5       | 116348001      | 116353000    | 1.50E-06 |
| chr5       | 116526001      | 116531000    | 0.005560325 |
| chr5       | 116552001      | 116557000    | 3.96E-05 |
| chr5       | 116679001      | 116684000    | 5.72E-10 |
| chr5       | 116771001      | 116776000    | 2.28E-06 |
| chr5       | 116773001      | 116778000    | 1.95E-06 |
| chr5       | 116774001      | 116779000    | 6.32E-08 |
| chr5       | 116775001      | 116780000    | 0.00012439 |
| chr5       | 116818001      | 116823000    | 0.000693261 |
| chr5       | 116873001      | 116878000    | 2.32E-05 |
| chr5       | 116877001      | 116882000    | 0.003544722 |
| chr5       | 117005001      | 117010000    | 6.38E-05 |
| chr5       | 117070001      | 117075000    | 0.000892995 |
| chr5       | 117208001      | 117213000    | 0.003309035 |
| chr5       | 117253001      | 117258000    | 6.03E-06 |
| chr5       | 117323001      | 117328000    | 0.000208161 |
| chr5       | 117324001      | 117329000    | 7.87E-05 |
| chr5       | 117547001      | 117552000    | 0.00104993 |
| chr5       | 117548001      | 117553000    | 0.000553852 |
| chr5       | 117549001      | 117554000    | 0.000670376 |
| chr5       | 117645001      | 117650000    | 9.88E-07 |
| chr5       | 117646001      | 117651000    | 1.05E-05 |
| chr5       | 117790001      | 117795000    | 0.001190752 |
| chr5       | 117852001      | 117857000    | 4.00E-05 |
| chr5       | 118053001      | 118058000    | 2.94E-06 |
| chr5       | 118074001      | 118079000    | 5.24E-05 |
| chr5       | 118075001      | 118080000    | 2.97E-07 |
| chr5       | 118077001      | 118082000    | 9.16E-06 |
| chr5       | 118078001      | 118083000    | 2.48E-06 |
| chr5       | 118150001      | 118155000    | 0.003200559 |
| chr5       | 118320001      | 118325000    | 7.73E-54 |
| chr5       | 118321001      | 118326000    | 3.68E-57 |
| chr5       | 118322001      | 118327000    | 8.09E-42 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr5       | 118323001 | 118328000 | 1.49E-23  |
| chr5       | 118403001 | 118408000 | 5.87E-41  |
| chr5       | 118407001 | 118412000 | 7.12E-20  |
| chr5       | 118784001 | 118789000 | 9.40E-36  |
| chr5       | 118785001 | 118790000 | 5.58E-24  |
| chr5       | 118786001 | 118791000 | 1.91E-40  |
| chr5       | 118787001 | 118792000 | 4.71E-43  |
| chr5       | 118788001 | 118793000 | 1.25E-28  |
| chr5       | 118891001 | 118896000 | 0.001350644|
| chr5       | 118952001 | 118957000 | 5.65E-07  |
| chr5       | 118958001 | 118963000 | 3.36E-06  |
| chr5       | 118959001 | 118964000 | 1.06E-05  |
| chr5       | 118989001 | 118994000 | 0.00586494|
| chr5       | 119365001 | 119370000 | 9.18E-06  |
| chr5       | 119384001 | 119389000 | 2.08E-06  |
| chr5       | 119385001 | 119390000 | 7.72E-08  |
| chr5       | 119795001 | 119800000 | 1.30E-28  |
| chr5       | 119801001 | 119806000 | 8.97E-19  |
| chr5       | 120101001 | 120106000 | 0.031067566|
| chr5       | 120186001 | 120191000 | 0.000589213|
| chr5       | 120377001 | 120382000 | 4.68E-06  |
| chr5       | 120413001 | 120418000 | 1.15E-07  |
| chr5       | 121039001 | 121044000 | 0.000572967|
| chr5       | 121643001 | 121648000 | 4.22E-31  |
| chr5       | 121885001 | 121890000 | 0.016917854|
| chr5       | 121887001 | 121892000 | 0.028363567|
| chr5       | 121980001 | 121985000 | 6.28E-07  |
| chr5       | 121999001 | 121904000 | 1.51E-08  |
| chr5       | 121900001 | 121905000 | 2.09E-08  |
| chr5       | 121901001 | 121906000 | 2.81E-07  |
| chr5       | 122017001 | 122022000 | 5.45E-08  |
| chr5       | 122018001 | 122023000 | 6.74E-07  |
| chr5       | 122106001 | 122111000 | 2.45E-27  |
| chr5       | 122107001 | 122112000 | 1.44E-29  |
| chr5       | 122108001 | 122113000 | 7.44E-30  |
| chr5       | 122109001 | 122114000 | 1.10E-34  |
| chr5       | 122110001 | 122115000 | 1.02E-45  |
| chr5       | 122111001 | 122116000 | 1.01E-30  |
| chr5       | 122391001 | 122396000 | 0.004504064|
| chr5       | 122435001 | 122440000 | 1.37E-28  |
| chr5       | 122465001 | 122470000 | 0.00055303|
| chr5       | 122664001 | 122669000 | 0.000642798|
| chr5       | 122800001 | 122805000 | 0.001456758|
| chr5       | 122843001 | 122848000 | 2.26E-33  |
| chr5       | 122844001 | 122849000 | 6.25E-54  |
| chr5       | 122845001 | 122850000 | 2.24E-38  |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr5       | 122847001 | 122852000 | 1.28E-23  |
| chr5       | 122848001 | 122853000 | 1.21E-49  |
| chr5       | 123343001 | 123348000 | 0.000233885 |
| chr5       | 123514001 | 123519000 | 0.004437348 |
| chr5       | 123567001 | 123572000 | 0.000195841 |
| chr5       | 123568001 | 123573000 | 4.62E-05  |
| chr5       | 123698001 | 123703000 | 1.63E-07  |
| chr5       | 123699001 | 123704000 | 1.87E-06  |
| chr5       | 124138001 | 124143000 | 5.23E-10  |
| chr5       | 124522001 | 124527000 | 4.74E-08  |
| chr5       | 124523001 | 124528000 | 1.70E-05  |
| chr5       | 124526001 | 124531000 | 1.86E-05  |
| chr5       | 124618001 | 124623000 | 6.81E-07  |
| chr5       | 124619001 | 124624000 | 2.93E-06  |
| chr5       | 124620001 | 124625000 | 2.71E-07  |
| chr5       | 124819001 | 124824000 | 2.21E-06  |
| chr5       | 124820001 | 124825000 | 5.48E-07  |
| chr5       | 124821001 | 124826000 | 6.22E-05  |
| chr5       | 125755001 | 125760000 | 1.23E-09  |
| chr5       | 125758001 | 125763000 | 1.63E-31  |
| chr5       | 125759001 | 125764000 | 1.61E-39  |
| chr5       | 126361001 | 126366000 | 3.01E-47  |
| chr5       | 126362001 | 126367000 | 6.44E-49  |
| chr5       | 126365001 | 126370000 | 1.10E-16  |
| chr5       | 126366001 | 126371000 | 1.16E-16  |
| chr5       | 126488001 | 126493000 | 2.98E-08  |
| chr5       | 126530001 | 126535000 | 2.79E-05  |
| chr5       | 126557001 | 126562000 | 1.94E-05  |
| chr5       | 126681001 | 126686000 | 1.49E-06  |
| chr5       | 126682001 | 126687000 | 0.000439835 |
| chr5       | 126812001 | 126817000 | 0.008922903 |
| chr5       | 126849001 | 126854000 | 3.28E-31  |
| chr5       | 126850001 | 126855000 | 5.13E-28  |
| chr5       | 126851001 | 126856000 | 2.80E-38  |
| chr5       | 126852001 | 126857000 | 1.41E-45  |
| chr5       | 126853001 | 126858000 | 2.11E-77  |
| chr5       | 126854001 | 126859000 | 6.30E-17  |
| chr5       | 127052001 | 127057000 | 0.002024568 |
| chr5       | 127053001 | 127058000 | 0.000372466 |
| chr5       | 127054001 | 127059000 | 4.35E-06  |
| chr5       | 127415001 | 127420000 | 7.52E-46  |
| chr5       | 127419001 | 127424000 | 2.18E-55  |
| chr5       | 127537001 | 127542000 | 3.28E-23  |
| chr5       | 127873001 | 127878000 | 1.46E-22  |
| chr5       | 127874001 | 127879000 | 1.30E-18  |
| chr5       | 128039001 | 128044000 | 0.011851151 |
| chr5       | 128058001 | 128063000 | 0.001939224 |
| chr5       | 128085001 | 128090000 | 9.74E-07  |
| Chromosome | Start Position | End Position | Log10 (P-value) |
|------------|----------------|--------------|----------------|
| chr5 | 128837001 | 128842000 | 0.001786998 |
| chr5 | 128844001 | 128849000 | 0.000995401 |
| chr5 | 128845001 | 128850000 | 1.11E-05 |
| chr5 | 128846001 | 128851000 | 0.003108139 |
| chr5 | 128865001 | 128870000 | 6.81E-06 |
| chr5 | 128943001 | 128948000 | 1.55E-07 |
| chr5 | 128944001 | 128949000 | 9.46E-17 |
| chr5 | 128945001 | 128950000 | 1.04E-18 |
| chr5 | 128946001 | 128951000 | 5.21E-22 |
| chr5 | 128947001 | 128952000 | 2.47E-18 |
| chr5 | 128948001 | 128953000 | 2.82E-16 |
| chr5 | 128949001 | 128954000 | 4.42E-08 |
| chr5 | 129021001 | 129026000 | 1.03E-05 |
| chr5 | 129066001 | 129071000 | 0.001545819 |
| chr5 | 129067001 | 129072000 | 0.00127902 |
| chr5 | 129068001 | 129073000 | 0.000162551 |
| chr5 | 129118001 | 129123000 | 0.000156203 |
| chr5 | 129148001 | 129153000 | 1.38E-07 |
| chr5 | 129157001 | 129162000 | 0.000358159 |
| chr5 | 129200001 | 129205000 | 1.53E-05 |
| chr5 | 129207001 | 129212000 | 8.22E-06 |
| chr5 | 129208001 | 129213000 | 8.15E-06 |
| chr5 | 129209001 | 129214000 | 1.30E-06 |
| chr5 | 129210001 | 129215000 | 4.52E-08 |
| chr5 | 129211001 | 129216000 | 2.16E-05 |
| chr5 | 129235001 | 129240000 | 4.99E-23 |
| chr5 | 129236001 | 129241000 | 8.18E-57 |
| chr5 | 129261001 | 129266000 | 4.66E-07 |
| chr5 | 129262001 | 129267000 | 4.16E-13 |
| chr5 | 129263001 | 129268000 | 1.42E-12 |
| chr5 | 129317001 | 129322000 | 0.000561935 |
| chr5 | 129318001 | 129323000 | 0.00034808 |
| chr5 | 129319001 | 129324000 | 0.00373736 |
| chr5 | 129320001 | 129325000 | 0.00373736 |
| chr5 | 129327001 | 129332000 | 1.14E-06 |
| chr5 | 129328001 | 129333000 | 1.43E-06 |
| chr5 | 129329001 | 129334000 | 1.96E-10 |
| chr5 | 129330001 | 129335000 | 5.49E-05 |
| chr5 | 129332001 | 129337000 | 0.000569096 |
| chr5 | 129333001 | 129338000 | 2.30E-07 |
| chr5 | 129372001 | 129377000 | 0.000654909 |
| chr5 | 129404001 | 129409000 | 0.005769185 |
| chr5 | 129417001 | 129422000 | 2.58E-12 |
| chr5 | 129418001 | 129423000 | 1.08E-09 |
| chr5 | 129419001 | 129424000 | 3.61E-10 |
| chr5 | 129420001 | 129425000 | 8.53E-13 |
| chr5 | 129421001 | 129426000 | 1.26E-10 |
| chr5 | 129423001 | 129428000 | 6.90E-08 |
| Chromosome | Start Position | End Position | p-value       |
|------------|----------------|--------------|--------------|
| chr5       | 129420001      | 129429000    | 2.42E-05     |
| chr5       | 129427001      | 129432000    | 0.001546612  |
| chr5       | 129476001      | 129481000    | 0.006857531  |
| chr5       | 129477001      | 129482000    | 0.00271383   |
| chr5       | 129512001      | 129517000    | 0.000103585  |
| chr5       | 129513001      | 129518000    | 0.000197949  |
| chr5       | 129588001      | 129593000    | 0.003607997  |
| chr5       | 129682001      | 129687000    | 0.004832397  |
| chr5       | 129683001      | 129688000    | 0.010424853  |
| chr5       | 129831001      | 129836000    | 0.000409365  |
| chr5       | 129832001      | 129837000    | 5.05E-05     |
| chr5       | 129849001      | 129854000    | 0.003614426  |
| chr5       | 129873001      | 129878000    | 2.28E-06     |
| chr5       | 129874001      | 129879000    | 9.31E-08     |
| chr5       | 129876001      | 129881000    | 3.49E-06     |
| chr5       | 129924001      | 129929000    | 7.54E-06     |
| chr5       | 129925001      | 129930000    | 3.58E-06     |
| chr5       | 129926001      | 129931000    | 1.95E-05     |
| chr5       | 129927001      | 129932000    | 1.73E-07     |
| chr5       | 129928001      | 129933000    | 5.77E-12     |
| chr5       | 129940001      | 129945000    | 0.002514387  |
| chr5       | 129941001      | 129946000    | 2.62E-05     |
| chr5       | 129965001      | 129970000    | 2.26E-09     |
| chr5       | 130000001      | 130005000    | 6.32E-09     |
| chr5       | 130002001      | 130007000    | 1.97E-05     |
| chr5       | 130024001      | 130029000    | 6.58E-05     |
| chr5       | 130035001      | 130040000    | 0.000278657  |
| chr5       | 130069001      | 130074000    | 5.89E-08     |
| chr5       | 130070001      | 130075000    | 5.53E-07     |
| chr5       | 130071001      | 130076000    | 0.000108771  |
| chr5       | 130072001      | 130077000    | 5.38E-05     |
| chr5       | 130073001      | 130078000    | 0.001335079  |
| chr5       | 130074001      | 130079000    | 0.00142907   |
| chr5       | 130155001      | 130160000    | 3.64E-08     |
| chr5       | 130184001      | 130189000    | 0.001593118  |
| chr5       | 130188001      | 130193000    | 0.003904084  |
| chr5       | 130199001      | 130204000    | 0.015376709  |
| chr5       | 130229001      | 130234000    | 1.76E-12     |
| chr5       | 130264001      | 130269000    | 7.94E-09     |
| chr5       | 130265001      | 130270000    | 1.37E-09     |
| chr5       | 130266001      | 130271000    | 2.20E-09     |
| chr5       | 130267001      | 130272000    | 3.33E-10     |
| chr5       | 130268001      | 130273000    | 6.66E-06     |
| chr5       | 130269001      | 130274000    | 0.00014134   |
| chr5       | 130277001      | 130282000    | 2.24E-14     |
| chr5       | 130278001      | 130283000    | 1.39E-07     |
| chr5       | 130299001      | 130304000    | 0.001699286  |
| chr5       | 130313001      | 130318000    | 0.000288608  |
| Chromosome | Start (bp) | End (bp) | P-value |
|------------|-----------|---------|---------|
| chr5       | 130315001 | 130320000| 0.00034531 |
| chr5       | 130316001 | 130321000| 0.000519618|
| chr5       | 130377001 | 130382000| 0.005340973|
| chr5       | 131128001 | 131133000| 3.85E-29 |
| chr5       | 131132001 | 131137000| 1.79E-37 |
| chr5       | 131133001 | 131138000| 5.28E-19 |
| chr5       | 131180001 | 131185000| 0.002161952|
| chr5       | 131625001 | 131630000| 8.56E-35 |
| chr5       | 131701001 | 131706000| 7.66E-14 |
| chr5       | 131702001 | 131707000| 1.39E-10 |
| chr5       | 131703001 | 131708000| 3.37E-10 |
| chr5       | 131704001 | 131709000| 1.01E-11 |
| chr5       | 131705001 | 131710000| 8.00E-11 |
| chr5       | 131742001 | 131747000| 2.15E-34 |
| chr5       | 131743001 | 131748000| 9.33E-21 |
| chr5       | 131825001 | 131830000| 2.56E-23 |
| chr5       | 131826001 | 131831000| 1.05E-32 |
| chr5       | 131828001 | 131833000| 9.17E-30 |
| chr5       | 131829001 | 131834000| 2.72E-15 |
| chr5       | 131830001 | 131835000| 3.48E-11 |
| chr5       | 131888001 | 131893000| 4.80E-19 |
| chr5       | 131988001 | 131993000| 9.18E-28 |
| chr5       | 131989001 | 131994000| 2.53E-23 |
| chr5       | 131990001 | 131995000| 4.19E-20 |
| chr5       | 131991001 | 131996000| 7.00E-12 |
| chr5       | 132070001 | 132075000| 8.64E-18 |
| chr5       | 132071001 | 132076000| 1.33E-13 |
| chr5       | 132072001 | 132077000| 1.08E-12 |
| chr5       | 132073001 | 132078000| 3.21E-22 |
| chr5       | 132111001 | 132116000| 1.60E-23 |
| chr5       | 132112001 | 132117000| 2.63E-25 |
| chr5       | 132113001 | 132118000| 1.61E-17 |
| chr5       | 132145001 | 132150000| 1.30E-20 |
| chr5       | 132146001 | 132151000| 1.36E-10 |
| chr5       | 132163001 | 132168000| 1.30E-08 |
| chr5       | 132164001 | 132169000| 3.34E-17 |
| chr5       | 132165001 | 132170000| 8.18E-18 |
| chr5       | 132166001 | 132171000| 1.87E-20 |
| chr5       | 132198001 | 132203000| 2.07E-26 |
| chr5       | 132199001 | 132204000| 5.31E-26 |
| chr5       | 132200001 | 132205000| 1.65E-29 |
| chr5       | 132201001 | 132206000| 2.03E-17 |
| chr5       | 132202001 | 132207000| 8.88E-16 |
| chr5       | 132298001 | 132303000| 2.30E-08 |
| chr5       | 132299001 | 132304000| 2.48E-12 |
| chr5       | 132386001 | 132391000| 4.58E-22 |
| chr5 | 132387001 | 132392000 | 1.71E-22 |
|------|-----------|-----------|----------|
| chr5 | 132388001 | 132393000 | 3.82E-22 |
| chr5 | 133301001 | 133306000 | 1.38E-15 |
| chr5 | 133302001 | 133307000 | 2.32E-17 |
| chr5 | 133304001 | 133309000 | 4.94E-33 |
| chr5 | 133402001 | 133407000 | 1.19E-09 |
| chr5 | 133449001 | 133454000 | 7.18E-05 |
| chr5 | 133450001 | 133455000 | 4.77E-08 |
| chr5 | 133512001 | 133517000 | 1.34E-08 |
| chr5 | 133561001 | 133566000 | 7.86E-50 |
| chr5 | 133562001 | 133567000 | 4.80E-30 |
| chr5 | 133626001 | 133631000 | 0.001081959 |
| chr5 | 133700001 | 133705000 | 1.69E-17 |
| chr5 | 133701001 | 133706000 | 7.11E-26 |
| chr5 | 133702001 | 133707000 | 5.05E-26 |
| chr5 | 133703001 | 133708000 | 7.70E-25 |
| chr5 | 133704001 | 133709000 | 7.72E-21 |
| chr5 | 133747001 | 133752000 | 8.46E-14 |
| chr5 | 133861001 | 133866000 | 1.02E-15 |
| chr5 | 133862001 | 133867000 | 1.94E-20 |
| chr5 | 133964001 | 133969000 | 3.88E-12 |
| chr5 | 133965001 | 133970000 | 4.25E-17 |
| chr5 | 133966001 | 133971000 | 1.88E-15 |
| chr5 | 133967001 | 133972000 | 2.62E-16 |
| chr5 | 133968001 | 133973000 | 6.86E-15 |
| chr5 | 134070001 | 134075000 | 3.73E-11 |
| chr5 | 134073001 | 134078000 | 1.02E-16 |
| chr5 | 134074001 | 134079000 | 1.03E-19 |
| chr5 | 134177001 | 134182000 | 9.13E-14 |
| chr5 | 134236001 | 134241000 | 2.30E-20 |
| chr5 | 134523001 | 134528000 | 3.79E-50 |
| chr5 | 134524001 | 134529000 | 2.88E-30 |
| chr5 | 134525001 | 134530000 | 7.88E-29 |
| chr5 | 134526001 | 134531000 | 8.35E-27 |
| chr5 | 134527001 | 134532000 | 2.49E-14 |
| chr5 | 134730001 | 134735000 | 6.93E-29 |
| chr5 | 134731001 | 134736000 | 3.24E-41 |
| chr5 | 134732001 | 134737000 | 3.76E-44 |
| chr5 | 134733001 | 134738000 | 3.55E-58 |
| chr5 | 134734001 | 134739000 | 1.08E-84 |
| chr5 | 134735001 | 134740000 | 2.41E-52 |
| chr5 | 135199001 | 135204000 | 8.38E-06 |
| chr5 | 135201001 | 135206000 | 9.66E-08 |
| chr5 | 135202001 | 135207000 | 1.21E-07 |
| chr5 | 135360001 | 135365000 | 8.75E-15 |
| chr5 | 135361001 | 135366000 | 4.19E-16 |
| chr5 | 135362001 | 135367000 | 1.09E-16 |
| chr5 | 135363001 | 135368000 | 1.05E-18 |
| Chr  | Start | End   | p-value  |
|------|-------|-------|----------|
| chr5 | 13536001 | 135365000 | 4.06E-17 |
| chr5 | 135417001 | 135422000 | 1.41E-05 |
| chr5 | 135528001 | 135533000 | 4.40E-11 |
| chr5 | 135775001 | 135780000 | 6.81E-07 |
| chr5 | 135809001 | 135814000 | 3.33E-06 |
| chr5 | 135810001 | 135815000 | 2.11E-06 |
| chr5 | 135811001 | 135816000 | 3.06E-09 |
| chr5 | 135812001 | 135817000 | 1.20E-05 |
| chr5 | 135813001 | 135818000 | 1.41E-05 |
| chr5 | 135814001 | 135819000 | 0.000114043 |
| chr5 | 135815001 | 135820000 | 0.000236897 |
| chr5 | 135835001 | 135840000 | 5.78E-11 |
| chr5 | 135836001 | 135841000 | 5.25E-14 |
| chr5 | 135983001 | 135988000 | 0.001304445 |
| chr5 | 135984001 | 135989000 | 0.000877994 |
| chr5 | 135985001 | 135990000 | 4.06E-05 |
| chr5 | 136010001 | 136015000 | 8.24E-06 |
| chr5 | 136086001 | 136091000 | 6.52E-07 |
| chr5 | 136193001 | 136198000 | 0.000238465 |
| chr5 | 136194001 | 136199000 | 0.00041318 |
| chr5 | 136195001 | 136200000 | 1.08E-05 |
| chr5 | 136210001 | 136215000 | 0.00020027 |
| chr5 | 136225001 | 136230000 | 4.16E-07 |
| chr5 | 136387001 | 136392000 | 5.66E-05 |
| chr5 | 136555001 | 136560000 | 0.000123994 |
| chr5 | 136830001 | 136835000 | 1.67E-05 |
| chr5 | 136831001 | 136836000 | 3.62E-12 |
| chr5 | 136832001 | 136837000 | 1.68E-08 |
| chr5 | 136834001 | 136839000 | 8.12E-26 |
| chr5 | 137090001 | 137095000 | 1.90E-10 |
| chr5 | 137364001 | 137369000 | 4.75E-18 |
| chr5 | 137366001 | 137371000 | 4.52E-19 |
| chr5 | 137367001 | 137372000 | 1.05E-18 |
| chr5 | 137576001 | 137581000 | 2.72E-09 |
| chr5 | 137577001 | 137582000 | 7.14E-08 |
| chr5 | 137663001 | 137668000 | 1.39E-15 |
| chr5 | 137664001 | 137669000 | 2.53E-19 |
| chr5 | 137665001 | 137670000 | 4.79E-15 |
| chr5 | 137673001 | 137678000 | 2.04E-11 |
| chr5 | 137796001 | 137801000 | 6.04E-08 |
| chr5 | 137800001 | 137805000 | 5.61E-35 |
| chr5 | 137801001 | 137806000 | 8.03E-24 |
| chr5 | 138530001 | 138535000 | 1.41E-20 |
| chr5 | 138531001 | 138536000 | 3.21E-27 |
| chr5 | 138532001 | 138537000 | 9.77E-15 |
| chr5 | 138533001 | 138538000 | 6.67E-13 |
| chr5 | 138534001 | 138539000 | 3.37E-22 |
| chr5 | 138772001 | 138777000 | 6.96E-21 |
chr5 138773001 138778000 4.63E-22
chr5 138774001 138779000 7.60E-28
chr5 138775001 138780000 5.46E-24
chr5 138936001 138941000 3.97E-07
chr5 138937001 138942000 5.41E-13
chr5 139024001 139029000 2.01E-18
chr5 139025001 139030000 5.64E-20
chr5 139125001 139130000 1.39E-10
chr5 139126001 139131000 1.26E-12
chr5 139127001 139132000 4.98E-14
chr5 139163001 139168000 2.08E-14
chr5 139164001 139169000 1.35E-07
chr5 139166001 139171000 1.98E-07
chr5 139279001 139284000 1.75E-05
chr5 139281001 139286000 5.69E-05
chr5 139282001 139287000 1.22E-09
chr5 139283001 139288000 4.22E-12
chr5 139323001 139328000 1.95E-05
chr5 139447001 139452000 0.000434101
chr5 139470001 139475000 1.24E-05
chr5 139471001 139476000 2.67E-06
chr5 139492001 139497000 3.50E-36
chr5 139493001 139498000 5.19E-68
chr5 139494001 139499000 1.60E-82
chr5 139550001 139555000 2.40E-09
chr5 139553001 139558000 2.08E-07
chr5 139726001 139731000 5.28E-11
chr5 139735001 139740000 3.18E-10
chr5 139736001 139741000 7.20E-11
chr5 139737001 139742000 3.67E-11
chr5 139738001 139743000 5.29E-09
chr5 139739001 139744000 1.16E-06
chr5 139742001 139747000 3.07E-07
chr5 139781001 139786000 1.26E-15
chr5 139836001 139841000 0.000793167
chr5 139923001 139928000 1.36E-14
chr5 139924001 139929000 7.70E-08
chr5 139927001 139932000 0.00464383
chr5 139933001 139938000 1.20E-12
chr5 140015001 140020000 3.18E-21
chr5 140016001 140021000 1.52E-55
chr5 140017001 140022000 2.43E-30
chr5 140018001 140023000 1.69E-25
chr5 140019001 140024000 1.39E-19
chr5 140066001 140071000 2.68E-08
chr5 140076001 140081000 1.44E-10
chr5 140077001 140082000 1.97E-10
chr5 140079001 140084000 0.000244949
| Chromosome | Start Position 1 | End Position 1 | Start Position 2 | End Position 2 | Value 1       |
|------------|-----------------|----------------|-----------------|----------------|---------------|
| chr5       | 140080001       | 140085000      | 0.000103178     |
| chr5       | 140127001       | 140132000      | 2.28E-05        |
| chr5       | 140301001       | 140306000      | 5.18E-11        |
| chr5       | 140449001       | 140454000      | 0.000122608     |
| chr5       | 140851001       | 140856000      | 4.31E-13        |
| chr5       | 140852001       | 140857000      | 2.23E-09        |
| chr5       | 140994001       | 140999000      | 1.51E-37        |
| chr5       | 140998001       | 141003000      | 4.50E-34        |
| chr5       | 141027001       | 141032000      | 3.22E-11        |
| chr5       | 141028001       | 141033000      | 7.76E-12        |
| chr5       | 141029001       | 141034000      | 8.01E-17        |
| chr5       | 141030001       | 141035000      | 1.28E-19        |
| chr5       | 141347001       | 141352000      | 1.36E-11        |
| chr5       | 141348001       | 141353000      | 6.60E-24        |
| chr5       | 141349001       | 141354000      | 1.03E-08        |
| chr5       | 141484001       | 141489000      | 1.07E-51        |
| chr5       | 141485001       | 141490000      | 1.67E-42        |
| chr5       | 141486001       | 141491000      | 7.41E-32        |
| chr5       | 141489001       | 141494000      | 7.03E-11        |
| chr5       | 141732001       | 141737000      | 1.14E-16        |
| chr5       | 142150001       | 142155000      | 3.01E-41        |
| chr5       | 142151001       | 142156000      | 2.71E-07        |
| chr5       | 142433001       | 142438000      | 2.55E-05        |
| chr5       | 142782001       | 142787000      | 8.32E-59        |
| chr5       | 142783001       | 142788000      | 5.43E-59        |
| chr5       | 142784001       | 142789000      | 6.53E-60        |
| chr5       | 142785001       | 142790000      | 2.21E-48        |
| chr5       | 143054001       | 143059000      | 0.009408536     |
| chr5       | 143545001       | 143550000      | 4.12E-09        |
| chr5       | 143546001       | 143551000      | 1.12E-34        |
| chr5       | 143547001       | 143552000      | 6.28E-35        |
| chr5       | 143548001       | 143553000      | 2.62E-37        |
| chr5       | 143549001       | 143554000      | 1.05E-30        |
| chr5       | 143550001       | 143555000      | 4.70E-42        |
| chr5       | 143584001       | 143589000      | 1.33E-20        |
| chr5       | 143613001       | 143618000      | 0.003107946     |
| chr5       | 143629001       | 143634000      | 0.022091561     |
| chr5       | 144013001       | 144018000      | 0.025959438     |
| chr5       | 144184001       | 144189000      | 0.0001611       |
| chr5       | 144188001       | 144193000      | 0.000857339     |
| chr5       | 144251001       | 144256000      | 0.002146687     |
| chr5       | 144255001       | 144260000      | 0.008835797     |
| chr5       | 144321001       | 144326000      | 0.005037796     |
| chr5       | 144322001       | 144327000      | 0.00020915      |
| chr5       | 144325001       | 144330000      | 0.000472855     |
| chr5       | 144463001       | 144468000      | 0.004260928     |
| chr5       | 144464001       | 144469000      | 0.00127006      |
| chr5       | 144465001       | 144470000      | 9.60E-05        |
| Chr5  | Startposition | Endposition | Log10 P-Value |
|-------|---------------|-------------|---------------|
| chr5  | 144472001     | 144477000   | 0.01490735    |
| chr5  | 144509001     | 144514000   | 0.011759635   |
| chr5  | 144510001     | 144515000   | 0.004669982   |
| chr5  | 144590001     | 144595000   | 0.000625407   |
| chr5  | 144592001     | 144597000   | 1.89E-06      |
| chr5  | 144617001     | 144622000   | 0.001216864   |
| chr5  | 144784001     | 144789000   | 0.000240428   |
| chr5  | 144785001     | 144790000   | 5.40E-05      |
| chr5  | 144786001     | 144791000   | 1.56E-06      |
| chr5  | 145822001     | 145827000   | 9.50E-27      |
| chr5  | 145931001     | 145936000   | 0.000733057   |
| chr5  | 146253001     | 146258000   | 1.12E-18      |
| chr5  | 146257001     | 146262000   | 7.67E-19      |
| chr5  | 146279001     | 146284000   | 0.007352004   |
| chr5  | 146391001     | 146396000   | 2.88E-05      |
| chr5  | 146467001     | 146472000   | 5.79E-06      |
| chr5  | 146468001     | 146473000   | 9.18E-06      |
| chr5  | 146495001     | 146500000   | 0.000281862   |
| chr5  | 146501001     | 146506000   | 0.001571216   |
| chr5  | 146503001     | 146508000   | 0.00034375    |
| chr5  | 146610001     | 146615000   | 5.73E-37      |
| chr5  | 146611001     | 146616000   | 2.88E-29      |
| chr5  | 146612001     | 146617000   | 6.68E-26      |
| chr5  | 146613001     | 146618000   | 2.82E-14      |
| chr5  | 146614001     | 146619000   | 1.19E-18      |
| chr5  | 146872001     | 146877000   | 9.13E-08      |
| chr5  | 146873001     | 146878000   | 1.34E-07      |
| chr5  | 146874001     | 146879000   | 9.19E-07      |
| chr5  | 147064001     | 147069000   | 3.99E-07      |
| chr5  | 147065001     | 147070000   | 4.10E-06      |
| chr5  | 147130001     | 147135000   | 0.000147829   |
| chr5  | 147131001     | 147136000   | 1.83E-06      |
| chr5  | 147132001     | 147137000   | 0.000542592   |
| chr5  | 147157001     | 147162000   | 1.19E-05      |
| chr5  | 147158001     | 147163000   | 1.07E-13      |
| chr5  | 147622001     | 147627000   | 0.00214777    |
| chr5  | 147700001     | 147705000   | 1.48E-13      |
| chr5  | 147912001     | 147917000   | 1.10E-05      |
| chr5  | 147952001     | 147957000   | 2.07E-05      |
| chr5  | 147953001     | 147958000   | 2.38E-06      |
| chr5  | 147954001     | 147959000   | 2.78E-08      |
| chr5  | 147955001     | 147960000   | 3.82E-08      |
| chr5  | 147959001     | 147964000   | 6.88E-05      |
| chr5  | 148048001     | 148053000   | 4.83E-13      |
| chr5  | 148201001     | 148206000   | 1.12E-34      |
| chr5  | 148517001     | 148522000   | 1.20E-08      |
| chr5  | 148733001     | 148738000   | 2.33E-26      |
| chr5  | 148734001     | 148739000   | 1.06E-23      |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr5       | 148735001      | 148740000    | 1.68E-23 |
| chr5       | 148736001      | 148741000    | 6.91E-17 |
| chr5       | 148737001      | 148742000    | 1.05E-09 |
| chr5       | 148931001      | 148936000    | 1.25E-10 |
| chr5       | 148961001      | 148966000    | 5.35E-13 |
| chr5       | 149031001      | 149036000    | 0.001991609 |
| chr5       | 149105001      | 149110000    | 4.24E-27 |
| chr5       | 149106001      | 149111000    | 3.29E-18 |
| chr5       | 149108001      | 149113000    | 2.92E-22 |
| chr5       | 149109001      | 149114000    | 1.41E-25 |
| chr5       | 149110001      | 149115000    | 4.28E-25 |
| chr5       | 149336001      | 149341000    | 2.16E-27 |
| chr5       | 149337001      | 149342000    | 7.81E-30 |
| chr5       | 149338001      | 149343000    | 3.57E-19 |
| chr5       | 149376001      | 149381000    | 5.73E-36 |
| chr5       | 149377001      | 149382000    | 4.14E-28 |
| chr5       | 149380001      | 149385000    | 7.97E-16 |
| chr5       | 149733001      | 149738000    | 8.82E-17 |
| chr5       | 149824001      | 149829000    | 8.87E-07 |
| chr5       | 149826001      | 149831000    | 1.06E-20 |
| chr5       | 149865001      | 149870000    | 0.00148859 |
| chr5       | 150138001      | 150143000    | 5.68E-09 |
| chr5       | 150185001      | 150190000    | 2.62E-08 |
| chr5       | 150186001      | 150191000    | 8.58E-05 |
| chr5       | 150187001      | 150192000    | 4.45E-09 |
| chr5       | 150188001      | 150193000    | 3.48E-05 |
| chr5       | 150189001      | 150194000    | 7.49E-08 |
| chr5       | 150190001      | 150195000    | 3.81E-06 |
| chr5       | 150191001      | 150196000    | 2.37E-10 |
| chr5       | 150286001      | 150291000    | 1.97E-08 |
| chr5       | 150287001      | 150292000    | 2.66E-06 |
| chr5       | 150288001      | 150293000    | 1.40E-06 |
| chr5       | 150289001      | 150294000    | 5.47E-10 |
| chr5       | 150290001      | 150295000    | 1.53E-06 |
| chr5       | 150291001      | 150296000    | 2.35E-08 |
| chr5       | 150350001      | 150355000    | 1.52E-05 |
| chr5       | 150397001      | 150402000    | 3.71E-19 |
| chr5       | 150398001      | 150403000    | 4.37E-12 |
| chr5       | 150399001      | 150404000    | 9.54E-12 |
| chr5       | 150599001      | 150604000    | 3.97E-13 |
| chr5       | 150600001      | 150605000    | 2.49E-08 |
| chr5       | 150602001      | 150607000    | 2.57E-08 |
| chr5       | 150603001      | 150608000    | 2.39E-13 |
| chr5       | 150628001      | 150633000    | 2.76E-13 |
| chr5       | 150629001      | 150634000    | 5.13E-15 |
| chr5       | 150630001      | 150635000    | 8.75E-18 |
| chr5       | 150631001      | 150636000    | 3.47E-15 |
| chr5       | 150632001      | 150637000    | 6.46E-10 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr5       | 150771001      | 150776000    | 1.33E-14
| chr5       | 150777001      | 150778000    | 1.78E-11
| chr5       | 150774001      | 150779000    | 2.29E-11
| chr5       | 150775001      | 150780000    | 2.34E-07
| chr5       | 150822001      | 150827000    | 5.23E-05
| chr5       | 150823001      | 150828000    | 6.80E-46
| chr5       | 150824001      | 150829000    | 1.11E-32
| chr5       | 150825001      | 150830000    | 4.85E-22
| chr5       | 150826001      | 150831000    | 1.90E-21
| chr5       | 150827001      | 150832000    | 5.56E-22
| chr5       | 151133001      | 151138000    | 1.31E-07
| chr5       | 151134001      | 151139000    | 9.22E-16
| chr5       | 151135001      | 151140000    | 2.91E-21
| chr5       | 151136001      | 151141000    | 5.01E-14
| chr5       | 151137001      | 151142000    | 6.70E-12
| chr5       | 151138001      | 151143000    | 2.43E-11
| chr5       | 151297001      | 151302000    | 1.63E-06
| chr5       | 151298001      | 151303000    | 0.000382131
| chr5       | 151354001      | 151359000    | 3.17E-09
| chr5       | 151386001      | 151391000    | 6.31E-11
| chr5       | 151387001      | 151392000    | 6.01E-12
| chr5       | 151422001      | 151427000    | 1.13E-06
| chr5       | 151429001      | 151434000    | 1.40E-07
| chr5       | 151430001      | 151435000    | 1.50E-08
| chr5       | 151464001      | 151469000    | 0.000133385
| chr5       | 151554001      | 151559000    | 0.000120853
| chr5       | 151555001      | 151560000    | 0.000194918
| chr5       | 151556001      | 151561000    | 5.25E-05
| chr5       | 151557001      | 151562000    | 0.000210115
| chr5       | 151560001      | 151565000    | 0.000167682
| chr5       | 151561001      | 151566000    | 1.08E-07
| chr5       | 151562001      | 151567000    | 1.10E-08
| chr5       | 151563001      | 151568000    | 3.54E-09
| chr5       | 151564001      | 151569000    | 3.56E-09
| chr5       | 151565001      | 151570000    | 6.01E-10
| chr5       | 151566001      | 151571000    | 2.86E-06
| chr5       | 151567001      | 151572000    | 2.03E-06
| chr5       | 151568001      | 151573000    | 2.28E-06
| chr5       | 151583001      | 151588000    | 1.55E-10
| chr5       | 151584001      | 151589000    | 3.66E-11
| chr5       | 151585001      | 151590000    | 3.23E-09
| chr5       | 151586001      | 151591000    | 6.32E-10
| chr5       | 151587001      | 151592000    | 6.17E-11
| chr5       | 151642001      | 151647000    | 1.12E-05
| chr5       | 151657001      | 151662000    | 0.000721946
| chr5       | 151658001      | 151663000    | 0.000933504
| chr5       | 151717001      | 151722000    | 0.00465462
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr5       | 151732001      | 151737000    | 0.000184637 |
| chr5       | 151733001      | 151738000    | 5.31E-05 |
| chr5       | 151776001      | 151781000    | 0.005329984 |
| chr5       | 151786001      | 151791000    | 8.61E-10 |
| chr5       | 151787001      | 151792000    | 2.16E-08 |
| chr5       | 151793001      | 151798000    | 0.000784676 |
| chr5       | 151794001      | 151799000    | 2.64E-06 |
| chr5       | 151795001      | 151800000    | 5.94E-05 |
| chr5       | 151802001      | 151807000    | 5.80E-06 |
| chr5       | 151808001      | 151813000    | 0.000263802 |
| chr5       | 151863001      | 151868000    | 0.000236411 |
| chr5       | 151866001      | 151871000    | 0.007060509 |
| chr5       | 152041001      | 152046000    | 0.005378973 |
| chr5       | 152083001      | 152088000    | 0.005323297 |
| chr5       | 152084001      | 152089000    | 0.001227842 |
| chr5       | 152250001      | 152255000    | 0.006490459 |
| chr5       | 152322001      | 152327000    | 0.000750953 |
| chr5       | 152411001      | 152416000    | 0.000429367 |
| chr5       | 152537001      | 152542000    | 0.000688992 |
| chr5       | 152565001      | 152570000    | 0.0001129 |
| chr5       | 152566001      | 152571000    | 7.69E-05 |
| chr5       | 152577001      | 152582000    | 2.61E-05 |
| chr5       | 152578001      | 152583000    | 0.001628332 |
| chr5       | 152749001      | 152754000    | 0.00087929 |
| chr5       | 152752001      | 152757000    | 0.018197992 |
| chr5       | 152802001      | 152807000    | 0.000226461 |
| chr5       | 152804001      | 152809000    | 0.009281368 |
| chr5       | 152846001      | 152851000    | 0.000222176 |
| chr5       | 152882001      | 152887000    | 6.41E-05 |
| chr5       | 152927001      | 152932000    | 0.002685855 |
| chr5       | 153110001      | 153115000    | 0.001914151 |
| chr5       | 153224001      | 153229000    | 0.004911373 |
| chr5       | 153416001      | 153421000    | 4.07E-51 |
| chr5       | 153565001      | 153570000    | 1.25E-22 |
| chr5       | 153566001      | 153571000    | 4.25E-32 |
| chr5       | 153567001      | 153572000    | 5.26E-29 |
| chr5       | 153570001      | 153575000    | 4.40E-10 |
| chr5       | 153716001      | 153721000    | 4.35E-07 |
| chr5       | 153820001      | 153825000    | 2.24E-12 |
| chr5       | 153821001      | 153826000    | 2.87E-27 |
| chr5       | 153826001      | 153831000    | 4.64E-30 |
| chr5       | 154130001      | 154135000    | 8.52E-22 |
| chr5       | 154131001      | 154136000    | 1.58E-24 |
| chr5       | 154132001      | 154137000    | 3.25E-23 |
| chr5       | 154313001      | 154318000    | 6.37E-79 |
| chr5       | 154314001      | 154319000    | 5.89E-67 |
| chr5       | 154315001      | 154320000    | 2.76E-44 |
| chr5       | 154607001      | 154612000    | 5.76E-05 |
| Chromosome | Start Position | End Position | p-value   |
|------------|----------------|--------------|-----------|
| chr5       | 154664001      | 154690000    | 3.65E-07  |
| chr5       | 154706001      | 154711000    | 7.42E-08  |
| chr5       | 154841001      | 154846000    | 0.000430125 |
| chr5       | 154880001      | 154885000    | 4.62E-06  |
| chr5       | 154882001      | 154887000    | 0.00028039 |
| chr5       | 154883001      | 154888000    | 0.000469159 |
| chr5       | 154897001      | 154902000    | 0.002777802 |
| chr5       | 154927001      | 154932000    | 9.57E-07  |
| chr5       | 154928001      | 154933000    | 1.55E-06  |
| chr5       | 155276001      | 155281000    | 2.45E-05  |
| chr5       | 155277001      | 155282000    | 6.67E-06  |
| chr5       | 155309001      | 155314000    | 0.000154604 |
| chr5       | 155686001      | 155691000    | 0.001179845 |
| chr5       | 155725001      | 155730000    | 0.000231419 |
| chr5       | 155987001      | 155992000    | 0.000146964 |
| chr5       | 155988001      | 155993000    | 0.000255877 |
| chr5       | 155991001      | 155996000    | 1.82E-06  |
| chr5       | 155992001      | 155997000    | 5.54E-05  |
| chr5       | 155995001      | 156000000    | 3.40E-05  |
| chr5       | 156230001      | 156238000    | 0.010259863 |
| chr5       | 156320001      | 156325000    | 4.55E-05  |
| chr5       | 156321001      | 156326000    | 7.06E-06  |
| chr5       | 156322001      | 156327000    | 0.000100487 |
| chr5       | 156689001      | 156694000    | 7.59E-29  |
| chr5       | 156690001      | 156695000    | 1.28E-34  |
| chr5       | 156691001      | 156696000    | 1.01E-54  |
| chr5       | 156692001      | 156697000    | 7.69E-40  |
| chr5       | 156693001      | 156698000    | 1.21E-50  |
| chr5       | 156883001      | 156888000    | 1.20E-47  |
| chr5       | 156884001      | 156889000    | 3.01E-37  |
| chr5       | 156885001      | 156890000    | 1.31E-16  |
| chr5       | 156886001      | 156891000    | 1.90E-15  |
| chr5       | 157002001      | 157007000    | 3.34E-37  |
| chr5       | 157095001      | 157100000    | 8.21E-11  |
| chr5       | 157096001      | 157101000    | 9.48E-23  |
| chr5       | 157097001      | 157102000    | 4.76E-25  |
| chr5       | 157098001      | 157103000    | 1.03E-26  |
| chr5       | 157154001      | 157159000    | 5.43E-20  |
| chr5       | 157155001      | 157160000    | 9.29E-13  |
| chr5       | 157166001      | 157171000    | 4.27E-21  |
| chr5       | 157167001      | 157172000    | 7.96E-27  |
| chr5       | 157168001      | 157173000    | 5.73E-18  |
| chr5       | 157169001      | 157174000    | 5.19E-24  |
| chr5       | 157170001      | 157175000    | 3.09E-30  |
| chr5       | 157171001      | 157176000    | 2.19E-18  |
| chr5       | 157286001      | 157291000    | 6.62E-09  |
| chr5       | 157555001      | 157560000    | 0.000124128 |
| chr5       | 157637001      | 157642000    | 0.000113469 |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr5       | 157638001 | 157643000 | 0.00044322 |
| chr5       | 157642001 | 157647000 | 0.00135077 |
| chr5       | 157645001 | 157650000 | 1.16E-05   |
| chr5       | 157646001 | 157651000 | 3.62E-05   |
| chr5       | 157647001 | 157652000 | 1.33E-06   |
| chr5       | 157648001 | 157653000 | 2.99E-07   |
| chr5       | 157697001 | 157702000 | 4.16E-10   |
| chr5       | 157698001 | 157703000 | 2.94E-09   |
| chr5       | 157758001 | 157763000 | 3.16E-06   |
| chr5       | 157779001 | 157784000 | 0.00161461 |
| chr5       | 157785001 | 157790000 | 4.09E-05   |
| chr5       | 157837001 | 157842000 | 0.00123855 |
| chr5       | 157854001 | 157859000 | 1.35E-05   |
| chr5       | 157919001 | 157924000 | 0.00462453 |
| chr5       | 157936001 | 157941000 | 1.12E-07   |
| chr5       | 157937001 | 157942000 | 0.00190825 |
| chr5       | 157986001 | 157991000 | 3.39E-09   |
| chr5       | 157987001 | 157992000 | 1.86E-10   |
| chr5       | 157999001 | 158004000 | 1.17E-06   |
| chr5       | 158002001 | 158007000 | 1.18E-05   |
| chr5       | 158030001 | 158035000 | 2.19E-05   |
| chr5       | 158031001 | 158036000 | 1.14E-05   |
| chr5       | 158032001 | 158037000 | 2.21E-07   |
| chr5       | 158033001 | 158038000 | 3.15E-08   |
| chr5       | 158034001 | 158039000 | 6.11E-05   |
| chr5       | 158036001 | 158041000 | 2.91E-05   |
| chr5       | 158038001 | 158043000 | 0.000693108 |
| chr5       | 158039001 | 158044000 | 3.94E-05   |
| chr5       | 158078001 | 158083000 | 0.000272228 |
| chr5       | 158079001 | 158084000 | 0.000475694 |
| chr5       | 158107001 | 158112000 | 4.08E-11   |
| chr5       | 158108001 | 158113000 | 2.45E-09   |
| chr5       | 158109001 | 158114000 | 3.25E-08   |
| chr5       | 158122001 | 158127000 | 2.67E-10   |
| chr5       | 158156001 | 158161000 | 0.000228389 |
| chr5       | 158158001 | 158163000 | 7.67E-06   |
| chr5       | 158191001 | 158196000 | 4.11E-05   |
| chr5       | 158194001 | 158199000 | 1.17E-05   |
| chr5       | 158195001 | 158200000 | 9.40E-07   |
| chr5       | 158214001 | 158219000 | 0.000119279 |
| chr5       | 158230001 | 158235000 | 0.000135835 |
| chr5       | 158231001 | 158236000 | 1.44E-10   |
| chr5       | 158232001 | 158237000 | 5.38E-11   |
| chr5       | 158233001 | 158238000 | 3.88E-21   |
| chr5       | 158234001 | 158239000 | 8.73E-20   |
| chr5       | 158235001 | 158240000 | 9.62E-14   |
| chr5       | 158236001 | 158241000 | 3.82E-08   |
| Chromosome | Start | Stop   | P-value          |
|------------|-------|--------|-----------------|
| chr5       | 158237001 | 158242000 | 4.18E-08        |
| chr5       | 158253001 | 158258000 | 1.51E-06        |
| chr5       | 158254001 | 158259000 | 1.00E-07        |
| chr5       | 158255001 | 158260000 | 3.68E-06        |
| chr5       | 158408001 | 158413000 | 0.0013943       |
| chr5       | 158410001 | 158415000 | 2.81E-05        |
| chr5       | 158411001 | 158416000 | 8.15E-08        |
| chr5       | 158419001 | 158424000 | 4.04E-07        |
| chr5       | 158494001 | 158499000 | 2.24E-05        |
| chr5       | 158495001 | 158500000 | 0.000111225     |
| chr5       | 158496001 | 158501000 | 1.12E-06        |
| chr5       | 158497001 | 158502000 | 2.27E-07        |
| chr5       | 158500001 | 158505000 | 3.74E-11        |
| chr5       | 158501001 | 158506000 | 2.87E-11        |
| chr5       | 158511001 | 158516000 | 0.001301026     |
| chr5       | 158636001 | 158641000 | 2.04E-25        |
| chr5       | 158685001 | 158690000 | 1.06E-08        |
| chr5       | 158686001 | 158691000 | 3.49E-48        |
| chr5       | 158687001 | 158692000 | 1.40E-35        |
| chr5       | 158690001 | 158695000 | 1.27E-12        |
| chr5       | 158754001 | 158759000 | 1.28E-23        |
| chr5       | 158755001 | 158760000 | 1.68E-21        |
| chr5       | 158756001 | 158761000 | 1.09E-16        |
| chr5       | 158757001 | 158762000 | 8.64E-16        |
| chr5       | 158788001 | 158793000 | 2.04E-07        |
| chr5       | 158802001 | 158807000 | 6.63E-05        |
| chr5       | 158803001 | 158808000 | 3.00E-05        |
| chr5       | 158804001 | 158809000 | 7.64E-05        |
| chr5       | 159196001 | 159201000 | 1.57E-23        |
| chr5       | 159197001 | 159202000 | 9.00E-29        |
| chr5       | 159198001 | 159203000 | 1.49E-30        |
| chr5       | 159199001 | 159204000 | 2.57E-30        |
| chr5       | 159200001 | 159205000 | 6.77E-40        |
| chr5       | 159542001 | 159547000 | 1.26E-14        |
| chr5       | 159544001 | 159549000 | 9.87E-20        |
| chr5       | 159546001 | 159551000 | 1.38E-13        |
| chr5       | 159735001 | 159740000 | 2.67E-11        |
| chr5       | 159736001 | 159741000 | 1.48E-19        |
| chr5       | 159737001 | 159742000 | 1.71E-32        |
| chr5       | 159738001 | 159743000 | 8.00E-30        |
| chr5       | 159739001 | 159744000 | 3.57E-36        |
| chr5       | 159955001 | 159960000 | 1.77E-05        |
| chr5       | 159968001 | 159973000 | 0.000870781      |
| chr5       | 159993001 | 159998000 | 1.09E-06        |
| chr5       | 160001001 | 160006000 | 1.60E-05        |
| chr5       | 160002001 | 160007000 | 6.34E-05        |
| chr5       | 160022001 | 160027000 | 3.60E-05        |
| chr5       | 160122001 | 160127000 | 0.001531137      |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr5       | 160139001      | 160144000    | 0.000156827    |
| chr5       | 160140001      | 160145000    | 3.32E-05       |
| chr5       | 160604001      | 160690000    | 0.007188471    |
| chr5       | 160629001      | 160634000    | 0.012729259    |
| chr5       | 160693001      | 160698000    | 0.001526605    |
| chr5       | 160695001      | 160700000    | 0.001691713    |
| chr5       | 160696001      | 160701000    | 0.004443525    |
| chr5       | 160741001      | 160746000    | 7.54E-07       |
| chr5       | 160742001      | 160747000    | 2.89E-07       |
| chr5       | 160743001      | 160748000    | 2.85E-06       |
| chr5       | 160786001      | 160791000    | 1.72E-06       |
| chr5       | 160787001      | 160792000    | 4.72E-07       |
| chr5       | 160788001      | 160793000    | 2.00E-06       |
| chr5       | 160789001      | 160794000    | 7.16E-08       |
| chr5       | 160804001      | 160809000    | 7.93E-08       |
| chr5       | 160841001      | 160846000    | 0.00135467     |
| chr5       | 160842001      | 160847000    | 1.68E-06       |
| chr5       | 160843001      | 160848000    | 1.12E-07       |
| chr5       | 160844001      | 160849000    | 1.96E-07       |
| chr5       | 160845001      | 160850000    | 1.09E-06       |
| chr5       | 160849001      | 160854000    | 0.000490606    |
| chr5       | 160850001      | 160855000    | 0.000365575    |
| chr5       | 160872001      | 160877000    | 0.000115725    |
| chr5       | 160897001      | 160902000    | 1.25E-05       |
| chr5       | 160898001      | 160903000    | 1.77E-05       |
| chr5       | 160899001      | 160904000    | 0.001689208    |
| chr5       | 160907001      | 160912000    | 7.82E-05       |
| chr5       | 160908001      | 160913000    | 1.18E-05       |
| chr5       | 160909001      | 160914000    | 4.64E-07       |
| chr5       | 160910001      | 160915000    | 5.23E-07       |
| chr5       | 160911001      | 160916000    | 1.87E-06       |
| chr5       | 160937001      | 160942000    | 0.000828194    |
| chr5       | 160953001      | 160958000    | 1.15E-05       |
| chr5       | 160954001      | 160959000    | 5.02E-05       |
| chr5       | 160960001      | 160965000    | 0.000385195    |
| chr5       | 160966001      | 160971000    | 0.005639248    |
| chr5       | 160967001      | 160972000    | 3.50E-09       |
| chr5       | 160988001      | 160993000    | 0.35388721     |
| chr5       | 160989001      | 160994000    | 0.003564728    |
| chr5       | 161019001      | 161024000    | 3.64E-05       |
| chr5       | 161020001      | 161025000    | 0.000199769    |
| chr5       | 161021001      | 161026000    | 0.000329191    |
| chr5       | 161022001      | 161027000    | 0.00021997     |
| chr5       | 161027001      | 161032000    | 9.43E-09       |
| chr5       | 161028001      | 161033000    | 1.26E-07       |
| chr5       | 161072001      | 161077000    | 0.000119601    |
| chr5       | 161078001      | 161083000    | 0.000164456    |
| Chromosomes | Start  | End    | Value   |
|-------------|--------|--------|---------|
| chr5        | 161098001 | 161103000 | 7.43E-05 |
| chr5        | 161104001 | 161109000 | 1.74E-06 |
| chr5        | 161105001 | 161110000 | 1.16E-08 |
| chr5        | 161125001 | 161130000 | 2.44E-07 |
| chr5        | 161126001 | 161131000 | 8.44E-07 |
| chr5        | 161127001 | 161132000 | 1.37E-06 |
| chr5        | 161128001 | 161133000 | 2.86E-05 |
| chr5        | 161140001 | 161145000 | 5.12E-06 |
| chr5        | 161144001 | 161149000 | 0.002085682 |
| chr5        | 161146001 | 161151000 | 0.001231994 |
| chr5        | 161152001 | 161157000 | 0.00045858 |
| chr5        | 161182001 | 161187000 | 3.29E-05 |
| chr5        | 161194001 | 161199000 | 3.42E-06 |
| chr5        | 161195001 | 161200000 | 2.83E-07 |
| chr5        | 161209001 | 161214000 | 0.00096367 |
| chr5        | 161210001 | 161215000 | 0.000374205 |
| chr5        | 161211001 | 161216000 | 0.000150525 |
| chr5        | 161228001 | 161233000 | 0.005503268 |
| chr5        | 161264001 | 161269000 | 3.29E-05 |
| chr5        | 161265001 | 161270000 | 0.000248519 |
| chr5        | 161266001 | 161271000 | 0.000140043 |
| chr5        | 161349001 | 161354000 | 1.49E-13 |
| chr5        | 161350001 | 161355000 | 1.90E-14 |
| chr5        | 161432001 | 161437000 | 0.000207736 |
| chr5        | 161444001 | 161449000 | 8.42E-11 |
| chr5        | 161445001 | 161450000 | 8.48E-07 |
| chr5        | 161503001 | 161508000 | 0.002042915 |
| chr5        | 161581001 | 161586000 | 0.004239133 |
| chr5        | 161586001 | 161591000 | 4.20E-05 |
| chr5        | 161595001 | 161600000 | 1.68E-05 |
| chr5        | 161596001 | 161601000 | 5.54E-07 |
| chr5        | 161598001 | 161603000 | 2.74E-07 |
| chr5        | 161599001 | 161604000 | 7.15E-07 |
| chr5        | 161600001 | 161605000 | 2.83E-06 |
| chr5        | 161601001 | 161606000 | 1.34E-07 |
| chr5        | 161602001 | 161607000 | 6.87E-08 |
| chr5        | 161622001 | 161627000 | 0.000257739 |
| chr5        | 161624001 | 161629000 | 1.52E-06 |
| chr5        | 161625001 | 161630000 | 1.13E-06 |
| chr5        | 161641001 | 161646000 | 0.002786626 |
| chr5        | 161693001 | 161698000 | 2.67E-08 |
| chr5        | 161694001 | 161699000 | 1.57E-07 |
| chr5        | 161695001 | 161700000 | 1.25E-06 |
| chr5        | 161696001 | 161701000 | 1.82E-08 |
| chr5        | 161697001 | 161702000 | 0.001298021 |
| chr5        | 161722001 | 161727000 | 0.000120535 |
| chr5        | 161725001 | 161730000 | 1.39E-05 |
| chr5        | 161741001 | 161746000 | 9.11E-10 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr5       | 161742001      | 161747000    | 1.76E-07|
| chr5       | 161743001      | 161748000    | 3.78E-08|
| chr5       | 161744001      | 161749000    | 6.93E-08|
| chr5       | 161745001      | 161750000    | 0.000300436|
| chr5       | 161751001      | 161756000    | 3.73E-08|
| chr5       | 161752001      | 161757000    | 4.97E-07|
| chr5       | 161753001      | 161758000    | 3.87E-06|
| chr5       | 161754001      | 161759000    | 2.47E-05|
| chr5       | 161763001      | 161768000    | 0.000221751|
| chr5       | 161764001      | 161769000    | 0.000182658|
| chr5       | 161772001      | 161777000    | 1.28E-09|
| chr5       | 161788001      | 161793000    | 0.00154569|
| chr5       | 161789001      | 161794000    | 0.003256148|
| chr5       | 161799001      | 161804000    | 0.001346765|
| chr5       | 161800001      | 161805000    | 0.000520773|
| chr5       | 161801001      | 161806000    | 0.0035681|
| chr5       | 161802001      | 161807000    | 0.005010518|
| chr5       | 161807001      | 161812000    | 0.001431579|
| chr5       | 161808001      | 161813000    | 4.66E-08|
| chr5       | 161809001      | 161814000    | 1.03E-06|
| chr5       | 161810001      | 161815000    | 5.52E-06|
| chr5       | 161811001      | 161816000    | 8.77E-06|
| chr5       | 161812001      | 161817000    | 2.80E-05|
| chr5       | 161816001      | 161821000    | 7.75E-05|
| chr5       | 161817001      | 161822000    | 0.000242468|
| chr5       | 161825001      | 161830000    | 2.56E-05|
| chr5       | 161826001      | 161831000    | 7.55E-07|
| chr5       | 161827001      | 161832000    | 6.24E-07|
| chr5       | 161828001      | 161833000    | 1.97E-05|
| chr5       | 161829001      | 161834000    | 3.97E-06|
| chr5       | 161830001      | 161835000    | 0.000477147|
| chr5       | 161831001      | 161836000    | 0.000215523|
| chr5       | 161832001      | 161837000    | 6.70E-06|
| chr5       | 161833001      | 161838000    | 1.28E-09|
| chr5       | 161834001      | 161839000    | 6.73E-10|
| chr5       | 161835001      | 161840000    | 1.88E-10|
| chr5       | 161836001      | 161841000    | 4.52E-09|
| chr5       | 161916001      | 161921000    | 0.006324743|
| chr5       | 161918001      | 161923000    | 0.002712831|
| chr5       | 161948001      | 161953000    | 4.49E-06|
| chr5       | 161969001      | 161974000    | 0.000830739|
| chr5       | 161975001      | 161980000    | 0.001203885|
| chr5       | 161976001      | 161981000    | 8.12E-05|
| chr5       | 161977001      | 161982000    | 4.14E-06|
| chr5       | 161985001      | 161990000    | 1.11E-05|
| chr5       | 161990001      | 161995000    | 0.000335773|
| chr5       | 162005001      | 162010000    | 2.43E-10|
| chr5       | 162007001      | 162012000    | 1.96E-10|
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr5       | 162008001      | 162013000    | 1.24E-11|
| chr5       | 162023001      | 162028000    | 2.42E-08|
| chr5       | 162024001      | 162029000    | 4.61E-09|
| chr5       | 162025001      | 162030000    | 5.36E-07|
| chr5       | 162034001      | 162039000    | 2.40E-06|
| chr5       | 162035001      | 162040000    | 5.73E-05|
| chr5       | 162036001      | 162041000    | 4.48E-06|
| chr5       | 162037001      | 162042000    | 1.46E-06|
| chr5       | 162038001      | 162043000    | 9.24E-05|
| chr5       | 162143001      | 162148000    | 5.35E-06|
| chr5       | 162144001      | 162149000    | 2.24E-07|
| chr5       | 162145001      | 162150000    | 4.53E-06|
| chr5       | 162149001      | 162154000    | 7.13E-05|
| chr5       | 162150001      | 162155000    | 0.000402541|
| chr5       | 162151001      | 162156000    | 1.44E-05|
| chr5       | 162152001      | 162157000    | 1.01E-05|
| chr5       | 162164001      | 162169000    | 1.88E-06|
| chr5       | 162165001      | 162170000    | 8.10E-06|
| chr5       | 162167001      | 162172000    | 7.85E-06|
| chr5       | 162173001      | 162178000    | 2.07E-05|
| chr5       | 162174001      | 162179000    | 3.93E-06|
| chr5       | 162175001      | 162180000    | 1.23E-05|
| chr5       | 162177001      | 162182000    | 1.80E-06|
| chr5       | 162179001      | 162184000    | 1.19E-05|
| chr5       | 162180001      | 162185000    | 1.51E-05|
| chr5       | 162181001      | 162186000    | 6.41E-05|
| chr5       | 162188001      | 162193000    | 5.04E-05|
| chr5       | 162189001      | 162194000    | 5.25E-05|
| chr5       | 162190001      | 162195000    | 8.08E-05|
| chr5       | 162191001      | 162196000    | 3.96E-06|
| chr5       | 162233001      | 162238000    | 5.82E-07|
| chr5       | 162234001      | 162239000    | 2.35E-09|
| chr5       | 162235001      | 162240000    | 2.09E-06|
| chr5       | 162261001      | 162266000    | 1.36E-06|
| chr5       | 162262001      | 162267000    | 2.44E-06|
| chr5       | 162268001      | 162273000    | 0.000920404|
| chr5       | 162276001      | 162281000    | 4.77E-06|
| chr5       | 162345001      | 162350000    | 3.04E-05|
| chr5       | 162346001      | 162351000    | 2.28E-05|
| chr5       | 162348001      | 162353000    | 5.30E-06|
| chr5       | 162349001      | 162354000    | 3.24E-05|
| chr5       | 162360001      | 162365000    | 9.89E-06|
| chr5       | 162393001      | 162398000    | 0.002188667|
| chr5       | 162394001      | 162399000    | 0.005373522|
| chr5       | 162401001      | 162406000    | 0.000443689|
| chr5       | 162403001      | 162408000    | 0.000769757|
| chr5       | 162428001      | 162433000    | 0.007440676|
| Chromosome | Start | Finish | P-value |
|------------|-------|--------|---------|
| chr5 | 162432001 | 162437000 | 3.75E-06 |
| chr5 | 162433001 | 162438000 | 6.28E-06 |
| chr5 | 162434001 | 162439000 | 1.56E-05 |
| chr5 | 162489001 | 162494000 | 3.85E-07 |
| chr5 | 162490001 | 162495000 | 3.55E-07 |
| chr5 | 162509001 | 162514000 | 1.27E-08 |
| chr5 | 162530001 | 162535000 | 7.11E-05 |
| chr5 | 162531001 | 162536000 | 3.36E-05 |
| chr5 | 162543001 | 162548000 | 1.19E-09 |
| chr5 | 162544001 | 162549000 | 3.93E-15 |
| chr5 | 162566001 | 162571000 | 7.60E-06 |
| chr5 | 162567001 | 162572000 | 4.95E-05 |
| chr5 | 162575001 | 162580000 | 3.50E-10 |
| chr5 | 162643001 | 162648000 | 3.84E-05 |
| chr5 | 162644001 | 162649000 | 2.94E-08 |
| chr5 | 162645001 | 162650000 | 4.10E-07 |
| chr5 | 162685001 | 162690000 | 5.79E-09 |
| chr5 | 162686001 | 162691000 | 4.54E-10 |
| chr5 | 162687001 | 162692000 | 1.01E-06 |
| chr5 | 162694001 | 162699000 | 0.000293282 |
| chr5 | 162702001 | 162707000 | 0.000114257 |
| chr5 | 162703001 | 162708000 | 8.57E-05 |
| chr5 | 162704001 | 162709000 | 3.83E-06 |
| chr5 | 162722001 | 162727000 | 7.80E-05 |
| chr5 | 162756001 | 162761000 | 5.24E-05 |
| chr5 | 162860001 | 162865000 | 7.26E-22 |
| chr5 | 162882001 | 162887000 | 5.44E-36 |
| chr5 | 162883001 | 162888000 | 1.12E-48 |
| chr5 | 163050001 | 163055000 | 0.000203987 |
| chr5 | 163250001 | 163255000 | 0.008772378 |
| chr5 | 164076001 | 164081000 | 1.18E-05 |
| chr5 | 164079001 | 164084000 | 1.30E-05 |
| chr5 | 164191001 | 164196000 | 0.000133705 |
| chr5 | 164192001 | 164197000 | 3.29E-06 |
| chr5 | 164535001 | 164540000 | 0.001047939 |
| chr5 | 164592001 | 164597000 | 0.009886632 |
| chr5 | 164615001 | 164620000 | 0.000652638 |
| chr5 | 164616001 | 164621000 | 0.000604117 |
| chr5 | 164617001 | 164622000 | 0.000357996 |
| chr5 | 164714001 | 164719000 | 0.002654882 |
| chr5 | 164862001 | 164867000 | 1.45E-05 |
| chr5 | 164863001 | 164868000 | 1.23E-05 |
| chr5 | 164864001 | 164869000 | 9.82E-06 |
| chr5 | 164865001 | 164870000 | 2.71E-05 |
| chr5 | 164867001 | 164872000 | 3.28E-05 |
| chr5 | 165154001 | 165159000 | 6.93E-10 |
| chr5 | 165230001 | 165235000 | 5.24E-07 |
| chr5 | 165231001 | 165236000 | 5.23E-07 |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr5       | 16523001       | 165237000    | 4.74E-06 |
| chr5       | 16524001       | 165245000    | 0.012538013 |
| chr5       | 16535001       | 165358000    | 2.85E-08 |
| chr5       | 165354001      | 165359000    | 3.00E-09 |
| chr5       | 165355001      | 165360000    | 1.51E-08 |
| chr5       | 165356001      | 165361000    | 6.94E-09 |
| chr5       | 165357001      | 165362000    | 6.33E-06 |
| chr5       | 165358001      | 165363000    | 0.01569953 |
| chr5       | 16537001       | 165376000    | 8.62E-05 |
| chr5       | 165777001      | 165782000    | 3.84E-07 |
| chr5       | 165849001      | 165854000    | 5.95E-06 |
| chr5       | 165851001      | 165856000    | 0.015415208 |
| chr5       | 166079001      | 166084000    | 1.76E-06 |
| chr5       | 166112001      | 166117000    | 0.000145132 |
| chr5       | 166373001      | 166378000    | 0.000448032 |
| chr5       | 166927001      | 166932000    | 0.002646048 |
| chr5       | 167474001      | 167479000    | 1.29E-08 |
| chr5       | 167714001      | 167719000    | 4.83E-26 |
| chr5       | 167715001      | 167720000    | 1.73E-28 |
| chr5       | 167716001      | 167721000    | 1.19E-35 |
| chr5       | 167717001      | 167722000    | 1.99E-27 |
| chr5       | 167909001      | 167914000    | 7.16E-18 |
| chr5       | 167910001      | 167915000    | 3.45E-23 |
| chr5       | 167911001      | 167916000    | 6.26E-35 |
| chr5       | 167912001      | 167917000    | 5.22E-37 |
| chr5       | 167913001      | 167918000    | 2.23E-43 |
| chr5       | 167914001      | 167919000    | 6.54E-19 |
| chr5       | 168005001      | 168010000    | 2.83E-30 |
| chr5       | 168006001      | 168011000    | 3.24E-48 |
| chr5       | 168049001      | 168054000    | 0.000194177 |
| chr5       | 168491001      | 168496000    | 1.37E-09 |
| chr5       | 168587001      | 168592000    | 1.21E-11 |
| chr5       | 168588001      | 168593000    | 1.21E-13 |
| chr5       | 168621001      | 168626000    | 5.94E-10 |
| chr5       | 168622001      | 168627000    | 2.13E-10 |
| chr5       | 168624001      | 168629000    | 3.92E-08 |
| chr5       | 168784001      | 168789000    | 5.16E-06 |
| chr5       | 168785001      | 168790000    | 2.46E-05 |
| chr5       | 168818001      | 168823000    | 3.95E-06 |
| chr5       | 168900001      | 168905000    | 0.002117765 |
| chr5       | 168980001      | 168985000    | 0.000855875 |
| chr5       | 168981001      | 168986000    | 0.009915208 |
| chr5       | 168982001      | 168987000    | 0.004456526 |
| chr5       | 169662001      | 169667000    | 0.020442335 |
| chr5       | 170153001      | 170158000    | 0.00065408 |
| chr5       | 170284001      | 170289000    | 3.49E-10 |
| chr5       | 170285001      | 170290000    | 9.95E-25 |
| chr5       | 170286001      | 170291000    | 8.69E-25 |
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|--------------|
| chr5       | 170287001 | 170292000 | 1.03E-14     |
| chr5       | 170288001 | 170293000 | 2.35E-22     |
| chr5       | 170289001 | 170294000 | 2.32E-23     |
| chr5       | 170847001 | 170852000 | 1.10E-11     |
| chr5       | 171153001 | 171158000 | 2.34E-06     |
| chr5       | 171154001 | 171159000 | 2.06E-05     |
| chr5       | 171611001 | 171616000 | 4.03E-16     |
| chr5       | 171706001 | 171711000 | 4.52E-21     |
| chr5       | 171877001 | 171882000 | 5.72E-26     |
| chr5       | 171880001 | 171885000 | 6.92E-20     |
| chr5       | 172064001 | 172069000 | 1.69E-22     |
| chr5       | 172065001 | 172070000 | 8.56E-30     |
| chr5       | 172066001 | 172071000 | 2.96E-23     |
| chr5       | 172067001 | 172072000 | 1.29E-30     |
| chr5       | 172068001 | 172073000 | 2.03E-21     |
| chr5       | 172257001 | 172262000 | 9.93E-09     |
| chr5       | 172382001 | 172387000 | 2.58E-29     |
| chr5       | 172384001 | 172389000 | 3.03E-26     |
| chr5       | 172385001 | 172390000 | 2.63E-20     |
| chr5       | 172386001 | 172391000 | 5.54E-23     |
| chr5       | 172407001 | 172412000 | 3.66E-06     |
| chr5       | 172571001 | 172576000 | 8.35E-11     |
| chr5       | 173039001 | 173044000 | 2.77E-30     |
| chr5       | 173437001 | 173442000 | 0.001423134  |
| chr5       | 173468001 | 173473000 | 1.43E-18     |
| chr5       | 173469001 | 173474000 | 5.98E-15     |
| chr5       | 173470001 | 173475000 | 1.94E-07     |
| chr5       | 174285001 | 174290000 | 2.62E-12     |
| chr5       | 174286001 | 174291000 | 7.69E-09     |
| chr5       | 174329001 | 174334000 | 1.16E-08     |
| chr5       | 174334001 | 174339000 | 2.46E-12     |
| chr5       | 174335001 | 174340000 | 3.33E-12     |
| chr5       | 174392001 | 174397000 | 2.04E-05     |
| chr5       | 174484001 | 174489000 | 1.60E-10     |
| chr5       | 174485001 | 174490000 | 3.65E-10     |
| chr5       | 174486001 | 174491000 | 1.30E-11     |
| chr5       | 174487001 | 174492000 | 2.91E-11     |
| chr5       | 174568001 | 174573000 | 0.002817364  |
| chr5       | 174586001 | 174591000 | 1.32E-08     |
| chr5       | 174693001 | 174698000 | 6.42E-06     |
| chr5       | 174694001 | 174699000 | 1.15E-06     |
| chr5       | 174741001 | 174746000 | 0.000105653  |
| chr5       | 174826001 | 174831000 | 7.33E-06     |
| chr5       | 174829001 | 174834000 | 3.35E-05     |
| chr5       | 174830001 | 174835000 | 4.07E-05     |
| chr5       | 174869001 | 174874000 | 1.23E-18     |
| chr5       | 174901001 | 174906000 | 6.91E-22     |
| Chromosome | Start | End   | Value     |
|------------|-------|-------|-----------|
| chr5       | 174902001 | 174907000 | 3.58E-39  |
| chr5       | 174903001 | 174908000 | 1.04E-38  |
| chr5       | 174904001 | 174909000 | 3.63E-46  |
| chr5       | 174905001 | 174910000 | 3.96E-48  |
| chr5       | 174957001 | 174962000 | 2.08E-35  |
| chr5       | 174958001 | 174963000 | 1.54E-28  |
| chr5       | 174959001 | 174964000 | 9.72E-31  |
| chr5       | 174960001 | 174965000 | 2.36E-29  |
| chr5       | 174961001 | 174966000 | 5.41E-29  |
| chr5       | 175152001 | 175157000 | 3.47E-06  |
| chr5       | 175153001 | 175158000 | 5.66E-06  |
| chr5       | 175617001 | 175622000 | 3.80E-06  |
| chr5       | 175619001 | 175624000 | 1.23E-07  |
| chr5       | 175625001 | 175630000 | 1.30E-24  |
| chr5       | 175626001 | 175631000 | 7.55E-40  |
| chr5       | 175661001 | 175666000 | 1.05E-25  |
| chr5       | 175662001 | 175667000 | 5.91E-24  |
| chr5       | 175663001 | 175668000 | 3.73E-27  |
| chr5       | 175664001 | 175669000 | 3.29E-24  |
| chr5       | 175665001 | 175670000 | 3.21E-28  |
| chr5       | 175681001 | 175686000 | 0.00133155|
| chr5       | 175682001 | 175687000 | 0.000289507|
| chr5       | 175784001 | 175789000 | 1.15E-26  |
| chr5       | 175785001 | 175790000 | 3.25E-21  |
| chr5       | 175786001 | 175791000 | 3.37E-26  |
| chr5       | 175787001 | 175792000 | 1.81E-15  |
| chr5       | 175788001 | 175793000 | 6.55E-29  |
| chr5       | 175789001 | 175794000 | 1.11E-16  |
| chr5       | 175790001 | 175795000 | 6.78E-13  |
| chr5       | 175791001 | 175796000 | 1.20E-05  |
| chr5       | 175792001 | 175797000 | 2.50E-07  |
| chr5       | 175842001 | 175847000 | 2.38E-10  |
| chr5       | 175843001 | 175848000 | 3.09E-13  |
| chr5       | 176033001 | 176038000 | 1.29E-08  |
| chr5       | 176035001 | 176040000 | 7.47E-08  |
| chr5       | 176429001 | 176434000 | 1.13E-60  |
| chr5       | 176430001 | 176435000 | 2.14E-41  |
| chr5       | 176432001 | 176437000 | 5.04E-24  |
| chr5       | 176433001 | 176438000 | 3.45E-27  |
| chr5       | 176560001 | 176565000 | 1.95E-18  |
| chr5       | 176561001 | 176566000 | 1.79E-20  |
| chr5       | 176871001 | 176876000 | 8.03E-07  |
| chr5       | 176872001 | 176877000 | 8.52E-15  |
| chr5       | 176873001 | 176878000 | 7.07E-17  |
| chr5       | 176877001 | 176882000 | 1.20E-07  |
| chr5       | 176878001 | 176883000 | 5.63E-08  |
| chr5       | 176976001 | 176981000 | 5.06E-07  |
| chr5       | 176977001 | 176982000 | 2.26E-14  |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr5       | 176978001      | 176983000    | 2.43E-08 |
| chr5       | 176979001      | 176984000    | 7.16E-14 |
| chr5       | 176980001      | 176985000    | 3.24E-09 |
| chr5       | 176981001      | 176986000    | 1.44E-17 |
| chr5       | 177094001      | 177099000    | 8.0E-29  |
| chr5       | 177095001      | 177100000    | 9.20E-76 |
| chr5       | 177096001      | 177101000    | 3.68E-38 |
| chr5       | 177097001      | 177102000    | 2.82E-24 |
| chr5       | 177098001      | 177103000    | 3.58E-05 |
| chr5       | 177099001      | 177104000    | 3.20E-20 |
| chr5       | 177144001      | 177149000    | 0.001970414 |
| chr5       | 177168001      | 177173000    | 0.000118775 |
| chr5       | 177169001      | 177174000    | 0.001496231 |
| chr5       | 177171001      | 177176000    | 0.000850211 |
| chr5       | 177172001      | 177177000    | 0.023291183 |
| chr5       | 177452001      | 177457000    | 1.27E-11 |
| chr5       | 177453001      | 177458000    | 8.13E-09 |
| chr5       | 177454001      | 177459000    | 1.10E-08 |
| chr5       | 177455001      | 177460000    | 1.31E-10 |
| chr5       | 177470001      | 177475000    | 4.34E-05 |
| chr5       | 177558001      | 177563000    | 4.83E-16 |
| chr5       | 177627001      | 177632000    | 6.44E-19 |
| chr5       | 177656001      | 177661000    | 6.22E-13 |
| chr5       | 177657001      | 177662000    | 1.92E-15 |
| chr5       | 177658001      | 177663000    | 9.01E-15 |
| chr5       | 177659001      | 177664000    | 2.66E-21 |
| chr5       | 178017001      | 178022000    | 5.45E-15 |
| chr5       | 178153001      | 178158000    | 7.22E-09 |
| chr5       | 178157001      | 178162000    | 1.10E-19 |
| chr5       | 178283001      | 178288000    | 3.02E-40 |
| chr5       | 178284001      | 178289000    | 1.16E-36 |
| chr5       | 178285001      | 178290000    | 4.38E-16 |
| chr5       | 178286001      | 178291000    | 1.28E-12 |
| chr5       | 178287001      | 178292000    | 1.37E-32 |
| chr5       | 178318001      | 178323000    | 9.73E-31 |
| chr5       | 178319001      | 178324000    | 1.12E-54 |
| chr5       | 178320001      | 178325000    | 1.12E-48 |
| chr5       | 178321001      | 178326000    | 7.97E-46 |
| chr5       | 178322001      | 178327000    | 4.89E-34 |
| chr5       | 178323001      | 178328000    | 1.65E-22 |
| chr5       | 178348001      | 178353000    | 4.31E-08 |
| chr5       | 178449001      | 178454000    | 4.62E-24 |
| chr5       | 178510001      | 178515000    | 1.90E-06 |
| chr5       | 178511001      | 178516000    | 7.03E-06 |
| chr5       | 178512001      | 178517000    | 5.19E-07 |
| chr5       | 178768001      | 178773000    | 2.40E-08 |
| chr5       | 178802001      | 178807000    | 1.55E-09 |
| chr5       | 179051001      | 179056000    | 6.32E-13 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr5       | 17912001       | 179126000    | 6.40E-12|
| chr5       | 179159001      | 179164000    | 7.19E-36|
| chr5       | 179160001      | 179165000    | 2.79E-38|
| chr5       | 179229001      | 179234000    | 4.47E-13|
| chr5       | 179330001      | 179335000    | 3.35E-18|
| chr5       | 179331001      | 179336000    | 3.58E-14|
| chr5       | 179332001      | 179337000    | 3.15E-18|
| chr5       | 179497001      | 179502000    | 5.73E-43|
| chr5       | 179498001      | 179503000    | 3.82E-39|
| chr5       | 179499001      | 179504000    | 7.67E-22|
| chr5       | 179714001      | 179719000    | 1.17E-32|
| chr5       | 179715001      | 179720000    | 7.00E-48|
| chr5       | 179776001      | 179781000    | 3.99E-06|
| chr5       | 179777001      | 179782000    | 1.34E-08|
| chr5       | 179778001      | 179783000    | 6.00E-05|
| chr5       | 180076001      | 180081000    | 2.24E-15|
| chr5       | 180140001      | 180145000    | 0.000438107|
| chr5       | 180225001      | 180230000    | 4.14E-16|
| chr5       | 180227001      | 180232000    | 1.49E-15|
| chr5       | 180228001      | 180233000    | 5.61E-17|
| chr5       | 180229001      | 180234000    | 2.35E-21|
| chr5       | 180237001      | 180242000    | 2.45E-18|
| chr5       | 180254001      | 180259000    | 1.43E-17|
| chr5       | 180255001      | 180260000    | 8.33E-17|
| chr5       | 180258001      | 180263000    | 6.17E-21|
| chr5       | 180284001      | 180289000    | 1.78E-43|
| chr5       | 180285001      | 180290000    | 2.65E-60|
| chr5       | 180286001      | 180291000    | 5.20E-64|
| chr5       | 180287001      | 180292000    | 1.01E-52|
| chr5       | 180288001      | 180293000    | 2.52E-58|
| chr5       | 180306001      | 180311000    | 1.19E-12|
| chr5       | 180307001      | 180312000    | 1.93E-09|
| chr5       | 180318001      | 180323000    | 1.80E-11|
| chr5       | 180319001      | 180324000    | 3.21E-10|
| chr5       | 180329001      | 180334000    | 7.37E-13|
| chr5       | 180330001      | 180335000    | 5.25E-17|
| chr5       | 180346001      | 180351000    | 0.001037692|
| chr5       | 180347001      | 180352000    | 3.08E-12|
| chr5       | 180348001      | 180353000    | 8.61E-14|
| chr5       | 180349001      | 180354000    | 5.96E-12|
| chr5       | 180350001      | 180355000    | 3.65E-12|
| chr5       | 180351001      | 180356000    | 7.95E-14|
| chr5       | 180379001      | 180384000    | 6.33E-08|
| chr5       | 180387001      | 180392000    | 4.76E-08|
| chr5       | 180388001      | 180393000    | 2.18E-10|
| chr5       | 180389001      | 180394000    | 0.000142133|
| chr5       | 180399001      | 180404000    | 1.20E-08|
| chr5       | 180400001      | 180405000    | 1.48E-07|
| Chr | Start | End   | p     |
|-----|-------|-------|-------|
| chr5 | 180436001 | 180441000 | 2.02E-19 |
| chr5 | 180437001 | 180442000 | 2.16E-12 |
| chr5 | 180438001 | 180443000 | 1.25E-11 |
| chr6 | 688001 | 693000 | 4.86E-46 |
| chr6 | 689001 | 694000 | 8.09E-37 |
| chr6 | 708001 | 713000 | 4.57E-22 |
| chr6 | 709001 | 714000 | 1.30E-28 |
| chr6 | 710001 | 715000 | 7.57E-31 |
| chr6 | 711001 | 716000 | 6.38E-29 |
| chr6 | 849001 | 854000 | 1.89E-07 |
| chr6 | 931001 | 936000 | 5.64E-10 |
| chr6 | 932001 | 937000 | 5.51E-08 |
| chr6 | 1157001 | 1162000 | 5.67E-10 |
| chr6 | 1269001 | 1274000 | 4.16E-08 |
| chr6 | 1553001 | 1558000 | 5.06E-16 |
| chr6 | 1555001 | 1560000 | 1.55E-13 |
| chr6 | 1953001 | 1958000 | 1.70E-11 |
| chr6 | 2018001 | 2023000 | 8.38E-07 |
| chr6 | 2019001 | 2024000 | 4.61E-06 |
| chr6 | 2022001 | 2027000 | 2.49E-07 |
| chr6 | 2241001 | 2246000 | 4.67E-28 |
| chr6 | 2631001 | 2636000 | 1.03E-15 |
| chr6 | 2632001 | 2637000 | 9.20E-23 |
| chr6 | 2761001 | 2766000 | 9.75E-34 |
| chr6 | 2762001 | 2767000 | 4.52E-54 |
| chr6 | 2763001 | 2768000 | 3.46E-37 |
| chr6 | 2764001 | 2769000 | 3.54E-33 |
| chr6 | 2765001 | 2770000 | 2.91E-69 |
| chr6 | 2766001 | 2771000 | 8.14E-52 |
| chr6 | 2814001 | 2819000 | 4.62E-05 |
| chr6 | 2840001 | 2845000 | 1.90E-15 |
| chr6 | 2841001 | 2846000 | 1.44E-23 |
| chr6 | 2842001 | 2847000 | 7.41E-17 |
| chr6 | 2949001 | 2954000 | 7.10E-20 |
| chr6 | 2950001 | 2955000 | 4.43E-16 |
| chr6 | 2951001 | 2956000 | 1.16E-28 |
| chr6 | 2967001 | 2972000 | 2.14E-30 |
| chr6 | 2968001 | 2973000 | 8.86E-31 |
| chr6 | 2969001 | 2974000 | 2.55E-27 |
| chr6 | 2970001 | 2975000 | 3.13E-43 |
| chr6 | 2971001 | 2976000 | 2.60E-40 |
| chr6 | 2972001 | 2977000 | 5.95E-27 |
| chr6 | 2993001 | 2998000 | 0.000527963 |
| chr6 | 2994001 | 2999000 | 2.92E-20 |
| chr6 | 2995001 | 3000000 | 3.74E-30 |
| chr6 | 3050001 | 3055000 | 2.85E-22 |
| chr6 | 3060001 | 3065000 | 4.32E-27 |
| Chr  | Start  | End    | p-value  |
|------|--------|--------|----------|
| chr6 | 3061001| 3066000| 6.33E-06 |
| chr6 | 3063001| 3068000| 1.91E-21 |
| chr6 | 3064001| 3069000| 5.38E-23 |
| chr6 | 3066001| 3071000| 3.43E-39 |
| chr6 | 3067001| 3072000| 3.71E-51 |
| chr6 | 3068001| 3073000| 3.83E-68 |
| chr6 | 3069001| 3074000| 1.28E-37 |
| chr6 | 3114001| 3119000| 1.56E-18 |
| chr6 | 3115001| 3120000| 1.59E-43 |
| chr6 | 3116001| 3121000| 2.67E-102|
| chr6 | 3117001| 3122000| 3.19E-83 |
| chr6 | 3118001| 3123000| 1.61E-60 |
| chr6 | 3119001| 3124000| 1.02E-44 |
| chr6 | 3157001| 3162000| 1.12E-11 |
| chr6 | 3158001| 3163000| 6.95E-07 |
| chr6 | 3223001| 3228000| 5.13E-23 |
| chr6 | 3224001| 3229000| 1.59E-25 |
| chr6 | 3456001| 3461000| 6.30E-45 |
| chr6 | 3457001| 3462000| 1.97E-32 |
| chr6 | 3458001| 3463000| 7.28E-13 |
| chr6 | 3747001| 3752000| 1.27E-11 |
| chr6 | 3749001| 3754000| 7.25E-13 |
| chr6 | 3750001| 3755000| 8.51E-39 |
| chr6 | 3751001| 3756000| 1.80E-47 |
| chr6 | 4020001| 4025000| 2.28E-25 |
| chr6 | 4021001| 4026000| 1.43E-41 |
| chr6 | 4131001| 4136000| 2.00E-38 |
| chr6 | 4132001| 4137000| 6.11E-44 |
| chr6 | 4648001| 4653000| 1.27E-08 |
| chr6 | 4776001| 4781000| 3.42E-55 |
| chr6 | 4777001| 4782000| 1.91E-21 |
| chr6 | 4806001| 4811000| 2.72E-09 |
| chr6 | 4999001| 5004000| 1.51E-19 |
| chr6 | 5000001| 5005000| 3.24E-24 |
| chr6 | 5001001| 5006000| 4.10E-23 |
| chr6 | 5002001| 5007000| 2.88E-19 |
| chr6 | 5003001| 5008000| 2.21E-11 |
| chr6 | 5080001| 5085000| 1.58E-31 |
| chr6 | 5081001| 5086000| 4.21E-25 |
| chr6 | 5918001| 5923000| 6.48E-07 |
| chr6 | 5943001| 5948000| 0.000625172|
| chr6 | 5944001| 5949000| 3.15E-05 |
| chr6 | 5945001| 5950000| 5.81E-05 |
| chr6 | 6062001| 6067000| 0.001131497|
| chr6 | 6077001| 6082000| 1.97E-07 |
| chr6 | 6110001| 6115000| 2.54E-06 |
| chr6 | 6112001| 6117000| 2.45E-09 |
| chr6 | 6113001| 6118000| 1.88E-13 |
| Chr | Start    | End      | Value     |
|-----|----------|----------|-----------|
| chr6| 6114001  | 6119000  | 9.01E-12  |
| chr6| 6115001  | 6120000  | 9.55E-11  |
| chr6| 6116001  | 6121000  | 9.86E-11  |
| chr6| 6117001  | 6122000  | 5.68E-09  |
| chr6| 6118001  | 6123000  | 3.24E-06  |
| chr6| 6119001  | 6124000  | 3.40E-09  |
| chr6| 6120001  | 6125000  | 1.44E-07  |
| chr6| 6121001  | 6126000  | 7.88E-05  |
| chr6| 6149001  | 6154000  | 4.80E-11  |
| chr6| 6234001  | 6239000  | 0.000389414 |
| chr6| 6235001  | 6240000  | 0.000321142 |
| chr6| 6236001  | 6241000  | 6.96E-06  |
| chr6| 6237001  | 6242000  | 3.80E-06  |
| chr6| 6238001  | 6243000  | 0.001597311 |
| chr6| 6292001  | 6297000  | 0.000580922 |
| chr6| 6441001  | 6446000  | 1.73E-06  |
| chr6| 6442001  | 6447000  | 3.25E-07  |
| chr6| 6483001  | 6488000  | 7.33E-07  |
| chr6| 6499001  | 6504000  | 1.20E-08  |
| chr6| 7047001  | 7052000  | 9.87E-17  |
| chr6| 7048001  | 7053000  | 2.01E-21  |
| chr6| 7050001  | 7055000  | 4.48E-39  |
| chr6| 7051001  | 7056000  | 3.93E-31  |
| chr6| 7103001  | 7108000  | 7.26E-15  |
| chr6| 7104001  | 7109000  | 1.04E-24  |
| chr6| 7107001  | 7112000  | 2.71E-24  |
| chr6| 7108001  | 7113000  | 1.78E-39  |
| chr6| 7109001  | 7114000  | 2.37E-38  |
| chr6| 7110001  | 7115000  | 1.60E-12  |
| chr6| 7313001  | 7318000  | 9.15E-18  |
| chr6| 7537001  | 7542000  | 3.26E-26  |
| chr6| 7538001  | 7543000  | 3.59E-36  |
| chr6| 7539001  | 7544000  | 2.53E-37  |
| chr6| 7540001  | 7545000  | 2.46E-40  |
| chr6| 7541001  | 7546000  | 7.66E-36  |
| chr6| 7542001  | 7547000  | 5.71E-45  |
| chr6| 7543001  | 7548000  | 3.37E-21  |
| chr6| 7906001  | 7911000  | 1.39E-12  |
| chr6| 7907001  | 7912000  | 6.36E-26  |
| chr6| 7908001  | 7913000  | 1.36E-25  |
| chr6| 7909001  | 7914000  | 1.13E-34  |
| chr6| 7910001  | 7915000  | 1.32E-28  |
| chr6| 8060001  | 8065000  | 2.11E-56  |
| chr6| 8061001  | 8066000  | 2.62E-37  |
| chr6| 8084001  | 8089000  | 1.72E-10  |
| chr6| 8086001  | 8091000  | 7.58E-14  |
| chr6| 8102001  | 8107000  | 1.27E-16  |
| chr6| 8248001  | 8253000  | 0.000269239 |
| chr6 | 8431001-8436000 | 1.05E-64 |
|------|-----------------|----------|
| chr6 | 8432001-8437000 | 1.91E-53 |
| chr6 | 8433001-8438000 | 1.64E-64 |
| chr6 | 8434001-8439000 | 2.53E-51 |
| chr6 | 8435001-8440000 | 1.52E-54 |
| chr6 | 8436001-8441000 | 3.46E-18 |
| chr6 | 8729001-8734000 | 0.004054843 |
| chr6 | 8767001-8772000 | 8.19E-12 |
| chr6 | 9247001-9252000 | 7.59E-11 |
| chr6 | 9248001-9253000 | 8.78E-11 |
| chr6 | 9603001-9608000 | 0.001439915 |
| chr6 | 9605001-9610000 | 0.000146977 |
| chr6 | 9635001-9640000 | 0.018115609 |
| chr6 | 10402001-10407000 | 5.41E-54 |
| chr6 | 10405001-10410000 | 7.74E-30 |
| chr6 | 10690001-10695000 | 4.49E-26 |
| chr6 | 10691001-10696000 | 2.97E-20 |
| chr6 | 10693001-10698000 | 1.94E-26 |
| chr6 | 10744001-10749000 | 1.81E-10 |
| chr6 | 10746001-10751000 | 2.93E-12 |
| chr6 | 10838001-10843000 | 2.11E-20 |
| chr6 | 11044001-11049000 | 5.55E-17 |
| chr6 | 11089001-11094000 | 6.88E-47 |
| chr6 | 11090001-11095000 | 2.69E-75 |
| chr6 | 11091001-11096000 | 1.12E-63 |
| chr6 | 11092001-11097000 | 1.13E-64 |
| chr6 | 11420001-11425000 | 8.42E-06 |
| chr6 | 11421001-11426000 | 1.25E-06 |
| chr6 | 11505001-11510000 | 0.00609419 |
| chr6 | 11533001-11538000 | 1.07E-31 |
| chr6 | 11534001-11539000 | 3.86E-44 |
| chr6 | 11535001-11540000 | 3.87E-47 |
| chr6 | 11536001-11541000 | 1.67E-47 |
| chr6 | 11537001-11542000 | 6.01E-58 |
| chr6 | 11538001-11543000 | 8.26E-66 |
| chr6 | 11870001-11875000 | 4.02E-08 |
| chr6 | 11906001-11911000 | 0.003961297 |
| chr6 | 11907001-11912000 | 0.00046404 |
| chr6 | 12005001-12010000 | 6.49E-32 |
| chr6 | 12405001-12410000 | 1.64E-10 |
| chr6 | 12406001-12411000 | 1.28E-09 |
| chr6 | 12407001-12412000 | 2.45E-09 |
| chr6 | 12417001-12422000 | 0.00042441 |
| chr6 | 12480001-12485000 | 0.000666364 |
| chr6 | 12481001-12486000 | 0.00176818 |
| chr6 | 12482001-12487000 | 9.46E-05 |
| chr6 | 12489001-12494000 | 5.35E-06 |
| chr6 | 12539001-12544000 | 1.57E-13 |
| Chr | Start | End   | p-value  |
|-----|-------|-------|----------|
| chr6| 12574001 | 12579000 | 2.91E-11 |
| chr6| 12575001 | 12580000 | 5.81E-12 |
| chr6| 12595001 | 12600000 | 5.17E-05 |
| chr6| 12633001 | 12638000 | 9.16E-05 |
| chr6| 12635001 | 12640000 | 5.27E-10 |
| chr6| 12636001 | 12641000 | 5.06E-07 |
| chr6| 12702001 | 12707000 | 0.001771897 |
| chr6| 12703001 | 12708000 | 0.001492027 |
| chr6| 12704001 | 12709000 | 0.003656737 |
| chr6| 12705001 | 12710000 | 0.000584085 |
| chr6| 12769001 | 12774000 | 2.63E-08 |
| chr6| 12828001 | 12833000 | 0.000245198 |
| chr6| 12829001 | 12834000 | 1.26E-06 |
| chr6| 12830001 | 12835000 | 5.65E-06 |
| chr6| 12834001 | 12839000 | 6.68E-05 |
| chr6| 12854001 | 12859000 | 6.40E-05 |
| chr6| 12856001 | 12861000 | 1.63E-05 |
| chr6| 12857001 | 12862000 | 2.24E-05 |
| chr6| 13003001 | 13008000 | 0.001196275 |
| chr6| 13017001 | 13022000 | 0.005638101 |
| chr6| 13018001 | 13023000 | 0.001693777 |
| chr6| 13057001 | 13062000 | 1.55E-08 |
| chr6| 13058001 | 13063000 | 6.71E-13 |
| chr6| 13059001 | 13064000 | 2.84E-10 |
| chr6| 13060001 | 13065000 | 1.79E-07 |
| chr6| 13061001 | 13066000 | 8.27E-07 |
| chr6| 13062001 | 13067000 | 1.83E-05 |
| chr6| 13108001 | 13113000 | 3.68E-05 |
| chr6| 13109001 | 13114000 | 0.000172432 |
| chr6| 13110001 | 13115000 | 7.27E-05 |
| chr6| 13111001 | 13116000 | 7.51E-08 |
| chr6| 13112001 | 13117000 | 7.34E-07 |
| chr6| 13127001 | 13132000 | 5.34E-05 |
| chr6| 13174001 | 13179000 | 2.85E-11 |
| chr6| 13175001 | 13180000 | 4.70E-09 |
| chr6| 13177001 | 13182000 | 1.97E-09 |
| chr6| 13178001 | 13183000 | 6.79E-13 |
| chr6| 13231001 | 13236000 | 1.91E-12 |
| chr6| 13232001 | 13237000 | 0.000422807 |
| chr6| 13261001 | 13266000 | 2.92E-08 |
| chr6| 13482001 | 13487000 | 2.18E-13 |
| chr6| 13483001 | 13488000 | 2.43E-30 |
| chr6| 13484001 | 13489000 | 3.63E-31 |
| chr6| 13485001 | 13490000 | 2.78E-30 |
| chr6| 13486001 | 13491000 | 2.47E-40 |
| chr6| 13487001 | 13492000 | 3.24E-39 |
| chr6| 13488001 | 13493000 | 4.22E-17 |
| chr6| 13572001 | 13577000 | 7.67E-20 |
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|---------------|
| chr6       | 13573001 | 13578000 | 2.77E-21      |
| chr6       | 13574001 | 13579000 | 4.88E-39      |
| chr6       | 13575001 | 13580000 | 2.36E-25      |
| chr6       | 13810001 | 13815000 | 2.72E-36      |
| chr6       | 13811001 | 13816000 | 2.05E-32      |
| chr6       | 13812001 | 13817000 | 3.67E-74      |
| chr6       | 13813001 | 13818000 | 6.19E-48      |
| chr6       | 13814001 | 13819000 | 4.05E-43      |
| chr6       | 13873001 | 13878000 | 6.63E-23      |
| chr6       | 14113001 | 14118000 | 3.58E-20      |
| chr6       | 14114001 | 14119000 | 3.02E-23      |
| chr6       | 14115001 | 14120000 | 2.16E-24      |
| chr6       | 14116001 | 14121000 | 1.79E-58      |
| chr6       | 14117001 | 14122000 | 6.47E-79      |
| chr6       | 14118001 | 14123000 | 6.91E-32      |
| chr6       | 14287001 | 14292000 | 2.76E-06      |
| chr6       | 15241001 | 15246000 | 1.05E-21      |
| chr6       | 15242001 | 15247000 | 3.29E-23      |
| chr6       | 15397001 | 15402000 | 3.78E-10      |
| chr6       | 15658001 | 15663000 | 4.07E-30      |
| chr6       | 15659001 | 15664000 | 2.00E-31      |
| chr6       | 15660001 | 15665000 | 2.65E-30      |
| chr6       | 15661001 | 15666000 | 7.60E-31      |
| chr6       | 15662001 | 15667000 | 3.37E-27      |
| chr6       | 15663001 | 15668000 | 4.86E-32      |
| chr6       | 15714001 | 15719000 | 1.04E-09      |
| chr6       | 15715001 | 15720000 | 4.33E-08      |
| chr6       | 15716001 | 15721000 | 3.70E-05      |
| chr6       | 15717001 | 15722000 | 1.80E-06      |
| chr6       | 15849001 | 15854000 | 3.01E-08      |
| chr6       | 15850001 | 15855000 | 3.52E-10      |
| chr6       | 15899001 | 15904000 | 2.43E-06      |
| chr6       | 16125001 | 16130000 | 8.15E-39      |
| chr6       | 16126001 | 16131000 | 3.82E-39      |
| chr6       | 16756001 | 16761000 | 2.48E-82      |
| chr6       | 17060001 | 17065000 | 0.00180942    |
| chr6       | 17065001 | 17070000 | 0.001706826   |
| chr6       | 17067001 | 17072000 | 5.84E-08      |
| chr6       | 17068001 | 17073000 | 6.11E-07      |
| chr6       | 17099001 | 17104000 | 7.73E-31      |
| chr6       | 17100001 | 17105000 | 7.16E-34      |
| chr6       | 17101001 | 17106000 | 1.09E-23      |
| chr6       | 17102001 | 17107000 | 6.75E-18      |
| chr6       | 17277001 | 17282000 | 2.18E-34      |
| chr6       | 17280001 | 17285000 | 3.71E-25      |
| chr6       | 17281001 | 17286000 | 5.81E-31      |
| chr6       | 17282001 | 17287000 | 4.31E-21      |
| chr6       | 17389001 | 17394000 | 2.58E-14      |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr6       | 17390001 | 17395000 | 2.61E-24   |
| chr6       | 17391001 | 17396000 | 2.21E-40   |
| chr6       | 17392001 | 17397000 | 1.35E-41   |
| chr6       | 17394001 | 17399000 | 3.90E-22   |
| chr6       | 17576001 | 17580000 | 1.80E-30   |
| chr6       | 17577001 | 17582000 | 1.08E-24   |
| chr6       | 17578001 | 17583000 | 1.92E-49   |
| chr6       | 17597001 | 17602000 | 4.42E-30   |
| chr6       | 17702001 | 17707000 | 1.21E-30   |
| chr6       | 17774001 | 17779000 | 4.38E-06   |
| chr6       | 17944001 | 17949000 | 5.68E-08   |
| chr6       | 18151001 | 18156000 | 3.14E-22   |
| chr6       | 18155001 | 18160000 | 2.41E-31   |
| chr6       | 18156001 | 18161000 | 1.11E-23   |
| chr6       | 18274001 | 18279000 | 1.48E-20   |
| chr6       | 18277001 | 18282000 | 7.23E-26   |
| chr6       | 19080001 | 19085000 | 0.000193628|
| chr6       | 19089001 | 19094000 | 1.91E-05   |
| chr6       | 19833001 | 19838000 | 7.03E-16   |
| chr6       | 19834001 | 19839000 | 4.59E-38   |
| chr6       | 20212001 | 20217000 | 6.45E-22   |
| chr6       | 20398001 | 20403000 | 3.36E-21   |
| chr6       | 20399001 | 20404000 | 4.31E-15   |
| chr6       | 20402001 | 20407000 | 5.14E-14   |
| chr6       | 20403001 | 20408000 | 2.75E-16   |
| chr6       | 21583001 | 21588000 | 2.26E-18   |
| chr6       | 21589001 | 21594000 | 1.43E-19   |
| chr6       | 21590001 | 21595000 | 3.34E-35   |
| chr6       | 21591001 | 21596000 | 5.84E-35   |
| chr6       | 21661001 | 21666000 | 3.97E-26   |
| chr6       | 21662001 | 21667000 | 1.31E-17   |
| chr6       | 21664001 | 21669000 | 3.47E-11   |
| chr6       | 21665001 | 21670000 | 1.66E-11   |
| chr6       | 21666001 | 21671000 | 1.89E-08   |
| chr6       | 22237001 | 22242000 | 0.00011704 |
| chr6       | 23272001 | 23277000 | 0.000181017|
| chr6       | 23682001 | 23687000 | 0.000259074|
| chr6       | 23693001 | 23698000 | 0.001037425|
| chr6       | 23905001 | 23910000 | 6.59E-06   |
| chr6       | 23911001 | 23916000 | 0.000144871|
| chr6       | 23912001 | 23917000 | 0.0031854   |
| chr6       | 23915001 | 23920000 | 8.81E-05   |
| chr6       | 23971001 | 23976000 | 2.58E-09   |
| chr6       | 23993001 | 23998000 | 2.64E-06   |
| chr6       | 23994001 | 23999000 | 1.68E-06   |
| chr6       | 24401001 | 24406000 | 8.45E-38   |
| Chromosome | Start Location 1 | Start Location 2 | P-value |
|------------|-----------------|-----------------|---------|
| chr6       | 24402001        | 24407000        | 1.14E-38|
| chr6       | 24403001        | 24408000        | 2.59E-54|
| chr6       | 24491001        | 24496000        | 2.09E-50|
| chr6       | 24492001        | 24497000        | 1.28E-45|
| chr6       | 24493001        | 24498000        | 2.37E-49|
| chr6       | 24494001        | 24499000        | 4.62E-46|
| chr6       | 24495001        | 24500000        | 1.17E-35|
| chr6       | 24642001        | 24647000        | 2.77E-30|
| chr6       | 24643001        | 24648000        | 8.06E-76|
| chr6       | 24644001        | 24649000        | 7.06E-66|
| chr6       | 24645001        | 24650000        | 3.04E-61|
| chr6       | 24646001        | 24651000        | 1.74E-71|
| chr6       | 24720001        | 24725000        | 2.85E-54|
| chr6       | 24721001        | 24726000        | 1.06E-44|
| chr6       | 24771001        | 24776000        | 1.24E-41|
| chr6       | 24776001        | 24781000        | 1.83E-16|
| chr6       | 25076001        | 25081000        | 2.48E-06|
| chr6       | 25077001        | 25082000        | 3.26E-06|
| chr6       | 25078001        | 25083000        | 3.82E-11|
| chr6       | 25079001        | 25084000        | 7.08E-08|
| chr6       | 25108001        | 25113000        | 3.03E-05|
| chr6       | 25275001        | 25280000        | 2.98E-10|
| chr6       | 25277001        | 25282000        | 5.07E-15|
| chr6       | 25278001        | 25283000        | 2.03E-10|
| chr6       | 25279001        | 25284000        | 7.06E-13|
| chr6       | 25988001        | 25993000        | 1.11E-63|
| chr6       | 25989001        | 25994000        | 1.28E-34|
| chr6       | 25990001        | 25995000        | 1.35E-27|
| chr6       | 25991001        | 25996000        | 5.22E-28|
| chr6       | 25992001        | 25997000        | 2.11E-17|
| chr6       | 26056001        | 26061000        | 1.13E-25|
| chr6       | 26076001        | 26081000        | 2.04E-08|
| chr6       | 26077001        | 26082000        | 5.74E-10|
| chr6       | 26168001        | 26173000        | 5.99E-42|
| chr6       | 26236001        | 26241000        | 4.59E-13|
| chr6       | 26267001        | 26272000        | 1.23E-12|
| chr6       | 26363001        | 26368000        | 2.64E-09|
| chr6       | 26522001        | 26527000        | 2.44E-49|
| chr6       | 26549001        | 26554000        | 6.38E-16|
| chr6       | 26655001        | 26660000        | 1.49E-30|
| chr6       | 26656001        | 26661000        | 5.66E-34|
| chr6       | 26796001        | 26801000        | 0.030939884|
| chr6       | 26798001        | 26803000        | 0.029827847|
| chr6       | 26925001        | 26930000        | 1.13E-05|
| chr6       | 27042001        | 27047000        | 9.44E-08|
| chr6       | 27101001        | 27106000        | 2.32E-36|
| chr6       | 27217001        | 27222000        | 1.28E-17|
| chr6       | 27218001        | 27223000        | 2.90E-14|
| chr6 | 27219001 | 27224000 | 9.69E-18 |
| chr6 | 27229001 | 27234000 | 4.12E-23 |
| chr6 | 27230001 | 27235000 | 8.61E-14 |
| chr6 | 27338001 | 27343000 | 6.38E-21 |
| chr6 | 27367001 | 27372000 | 9.82E-07 |
| chr6 | 27399001 | 27404000 | 0.00333333 |
| chr6 | 27894001 | 27899000 | 0.00103074 |
| chr6 | 27895001 | 27900000 | 0.00162565 |
| chr6 | 28048001 | 28053000 | 3.22E-30 |
| chr6 | 28068001 | 28073000 | 6.55E-23 |
| chr6 | 28069001 | 28074000 | 7.16E-22 |
| chr6 | 28070001 | 28075000 | 7.31E-29 |
| chr6 | 28071001 | 28076000 | 7.37E-28 |
| chr6 | 28125001 | 28130000 | 3.12E-16 |
| chr6 | 28126001 | 28131000 | 3.28E-18 |
| chr6 | 28127001 | 28132000 | 4.81E-21 |
| chr6 | 28128001 | 28133000 | 1.05E-14 |
| chr6 | 28129001 | 28134000 | 1.53E-14 |
| chr6 | 28160001 | 28165000 | 5.06E-07 |
| chr6 | 28161001 | 28166000 | 0.007969531 |
| chr6 | 28163001 | 28168000 | 0.002790664 |
| chr6 | 28193001 | 28198000 | 1.85E-11 |
| chr6 | 28204001 | 28209000 | 0.02198477 |
| chr6 | 28215001 | 28220000 | 1.37E-21 |
| chr6 | 28216001 | 28221000 | 5.03E-22 |
| chr6 | 28217001 | 28222000 | 3.49E-15 |
| chr6 | 28218001 | 28223000 | 8.18E-10 |
| chr6 | 28220001 | 28225000 | 3.63E-07 |
| chr6 | 28299001 | 28304000 | 8.35E-27 |
| chr6 | 28315001 | 28320000 | 1.50E-22 |
| chr6 | 28347001 | 28352000 | 1.19E-20 |
| chr6 | 28348001 | 28353000 | 1.14E-26 |
| chr6 | 28349001 | 28354000 | 4.72E-30 |
| chr6 | 28350001 | 28355000 | 1.01E-30 |
| chr6 | 28351001 | 28356000 | 2.30E-30 |
| chr6 | 28461001 | 28466000 | 0.00386627 |
| chr6 | 28462001 | 28467000 | 0.00022097 |
| chr6 | 28463001 | 28468000 | 9.70E-06 |
| chr6 | 28475001 | 28480000 | 0.00125783 |
| chr6 | 33587001 | 33592000 | 9.23E-10 |
| chr6 | 33588001 | 33593000 | 3.12E-14 |
| chr6 | 33752001 | 33757000 | 7.03E-11 |
| chr6 | 33753001 | 33758000 | 6.76E-22 |
| chr6 | 33754001 | 33759000 | 1.08E-32 |
| chr6 | 33755001 | 33760000 | 2.57E-42 |
| chr6 | 33756001 | 33761000 | 3.68E-52 |
| chr6 | 34160001 | 34165000 | 4.31E-15 |
| chr6 | 34162001 | 34167000 | 1.26E-17 |
| Chromosome | Start | End   | Score    |
|------------|-------|-------|----------|
| chr6       | 34163001 | 34168000 | 4.89E-14 |
| chr6       | 34164001 | 34169000 | 1.29E-15 |
| chr6       | 34187001 | 34192000 | 9.30E-09 |
| chr6       | 34188001 | 34193000 | 2.94E-11 |
| chr6       | 34189001 | 34194000 | 8.03E-18 |
| chr6       | 34190001 | 34195000 | 1.76E-16 |
| chr6       | 34191001 | 34196000 | 1.52E-12 |
| chr6       | 34215001 | 34220000 | 1.82E-08 |
| chr6       | 34216001 | 34221000 | 1.17E-12 |
| chr6       | 34356001 | 34361000 | 2.76E-44 |
| chr6       | 34664001 | 34669000 | 1.18E-12 |
| chr6       | 34755001 | 34760000 | 1.83E-39 |
| chr6       | 34756001 | 34761000 | 7.76E-37 |
| chr6       | 34857001 | 34862000 | 6.78E-35 |
| chr6       | 34993001 | 34998000 | 0.000110224 |
| chr6       | 35150001 | 35155000 | 1.19E-07 |
| chr6       | 35227001 | 35232000 | 3.73E-17 |
| chr6       | 35281001 | 35286000 | 4.01E-09 |
| chr6       | 35282001 | 35287000 | 3.09E-24 |
| chr6       | 35283001 | 35288000 | 6.23E-17 |
| chr6       | 35284001 | 35289000 | 1.44E-13 |
| chr6       | 35418001 | 35423000 | 5.02E-10 |
| chr6       | 35419001 | 35424000 | 1.60E-06 |
| chr6       | 35420001 | 35425000 | 3.88E-07 |
| chr6       | 35432001 | 35437000 | 2.43E-27 |
| chr6       | 35433001 | 35438000 | 2.69E-35 |
| chr6       | 35434001 | 35439000 | 1.50E-25 |
| chr6       | 35540001 | 35545000 | 1.29E-05 |
| chr6       | 35541001 | 35546000 | 1.09E-08 |
| chr6       | 35651001 | 35656000 | 8.39E-11 |
| chr6       | 35740001 | 35745000 | 3.82E-09 |
| chr6       | 35742001 | 35747000 | 2.32E-08 |
| chr6       | 35743001 | 35748000 | 1.35E-08 |
| chr6       | 35744001 | 35749000 | 6.44E-08 |
| chr6       | 35773001 | 35778000 | 2.11E-07 |
| chr6       | 35888001 | 35893000 | 9.90E-27 |
| chr6       | 35988001 | 35993000 | 2.69E-18 |
| chr6       | 35989001 | 35994000 | 5.60E-17 |
| chr6       | 35990001 | 35995000 | 1.29E-17 |
| chr6       | 35991001 | 35996000 | 8.31E-34 |
| chr6       | 36160001 | 36165000 | 9.72E-47 |
| chr6       | 36387001 | 36392000 | 2.04E-08 |
| chr6       | 36841001 | 36846000 | 1.34E-22 |
| chr6       | 36842001 | 36847000 | 1.31E-35 |
| chr6       | 37133001 | 37138000 | 1.10E-14 |
| chr6       | 37134001 | 37139000 | 4.26E-43 |
| chr6       | 37135001 | 37140000 | 1.62E-19 |
| chr6       | 37138001 | 37143000 | 1.77E-16 |
| Chrm | Start Base | End Base | Log10(p-value) |
|------|------------|----------|----------------|
| chr6 | 37465001   | 37470000 | 9.24E-15       |
| chr6 | 37782001   | 37787000 | 5.40E-22       |
| chr6 | 37783001   | 37788000 | 2.85E-35       |
| chr6 | 37784001   | 37789000 | 2.84E-34       |
| chr6 | 37785001   | 37790000 | 8.79E-38       |
| chr6 | 37787001   | 37792000 | 4.71E-43       |
| chr6 | 38352001   | 38357000 | 2.30E-09       |
| chr6 | 38353001   | 38358000 | 1.28E-09       |
| chr6 | 38497001   | 38502000 | 4.71E-43       |
| chr6 | 38518001   | 38523000 | 1.20E-06       |
| chr6 | 38521001   | 38526000 | 1.00E-06       |
| chr6 | 38538001   | 38543000 | 4.68E-07       |
| chr6 | 38603001   | 38608000 | 5.60E-61       |
| chr6 | 38604001   | 38609000 | 1.18E-44       |
| chr6 | 38605001   | 38610000 | 3.23E-40       |
| chr6 | 38607001   | 38612000 | 3.27E-56       |
| chr6 | 38608001   | 38613000 | 9.83E-21       |
| chr6 | 38625001   | 38630000 | 3.04E-06       |
| chr6 | 38666001   | 38671000 | 2.02E-32       |
| chr6 | 38667001   | 38672000 | 7.12E-27       |
| chr6 | 38668001   | 38673000 | 5.16E-22       |
| chr6 | 38669001   | 38674000 | 2.60E-25       |
| chr6 | 38670001   | 38675000 | 6.64E-24       |
| chr6 | 38684001   | 38689000 | 6.29E-05       |
| chr6 | 38685001   | 38690000 | 0.000148236    |
| chr6 | 38724001   | 38729000 | 2.11E-10       |
| chr6 | 38725001   | 38730000 | 4.10E-07       |
| chr6 | 38727001   | 38732000 | 7.44E-08       |
| chr6 | 38728001   | 38733000 | 4.79E-07       |
| chr6 | 38729001   | 38734000 | 3.33E-06       |
| chr6 | 38766001   | 38771000 | 2.65E-07       |
| chr6 | 38767001   | 38772000 | 2.85E-05       |
| chr6 | 38768001   | 38773000 | 1.86E-05       |
| chr6 | 38769001   | 38774000 | 0.000439452    |
| chr6 | 38808001   | 38813000 | 2.77E-07       |
| chr6 | 38821001   | 38826000 | 9.79E-06       |
| chr6 | 38822001   | 38827000 | 0.000342911    |
| chr6 | 38823001   | 38828000 | 8.29E-07       |
| chr6 | 38838001   | 38843000 | 4.56E-19       |
| chr6 | 38839001   | 38844000 | 2.67E-22       |
| chr6 | 38840001   | 38845000 | 2.75E-27       |
| chr6 | 38841001   | 38846000 | 5.00E-19       |
| chr6 | 38854001   | 38859000 | 1.72E-10       |
| chr6 | 38869001   | 38874000 | 3.53E-09       |
| chr6 | 38870001   | 38875000 | 2.66E-13       |
| chr6 | 38871001   | 38876000 | 1.40E-11       |
| chr6 | 38872001   | 38877000 | 1.31E-07       |
| chr6 | 38878001   | 38883000 | 2.21E-05       |
| Chromosome | Start Base | End Base | p-Value   |
|------------|------------|----------|-----------|
| chr6       | 38879001   | 38884000 | 3.66E-08  |
| chr6       | 38880001   | 38885000 | 1.37E-05  |
| chr6       | 38881001   | 38886000 | 4.53E-06  |
| chr6       | 38882001   | 38887000 | 6.32E-06  |
| chr6       | 38883001   | 38888000 | 0.00061249|
| chr6       | 38896001   | 38901000 | 2.03E-08  |
| chr6       | 38937001   | 38942000 | 1.05E-07  |
| chr6       | 39012001   | 39017000 | 3.79E-06  |
| chr6       | 39013001   | 39018000 | 8.88E-06  |
| chr6       | 39078001   | 39083000 | 1.98E-73  |
| chr6       | 39079001   | 39084000 | 1.58E-60  |
| chr6       | 39083001   | 39088000 | 7.40E-12  |
| chr6       | 39085001   | 39090000 | 2.82E-11  |
| chr6       | 39086001   | 39091000 | 4.30E-16  |
| chr6       | 39087001   | 39092000 | 1.48E-13  |
| chr6       | 39088001   | 39093000 | 2.56E-13  |
| chr6       | 39089001   | 39094000 | 2.16E-12  |
| chr6       | 39281001   | 39286000 | 8.30E-07  |
| chr6       | 39282001   | 39287000 | 0.000514881|
| chr6       | 39300001   | 39305000 | 1.54E-05  |
| chr6       | 39306001   | 39311000 | 4.53E-11  |
| chr6       | 39319001   | 39324000 | 0.005722707|
| chr6       | 39440001   | 39445000 | 8.84E-05  |
| chr6       | 39469001   | 39474000 | 8.10E-07  |
| chr6       | 39470001   | 39475000 | 4.19E-07  |
| chr6       | 39471001   | 39476000 | 1.07E-06  |
| chr6       | 39472001   | 39477000 | 7.77E-06  |
| chr6       | 39517001   | 39522000 | 1.96E-09  |
| chr6       | 39532001   | 39537000 | 7.90E-11  |
| chr6       | 39533001   | 39538000 | 2.38E-17  |
| chr6       | 39534001   | 39539000 | 7.87E-15  |
| chr6       | 39535001   | 39540000 | 8.68E-16  |
| chr6       | 39536001   | 39541000 | 3.40E-12  |
| chr6       | 39554001   | 39559000 | 5.60E-15  |
| chr6       | 39555001   | 39560000 | 5.41E-15  |
| chr6       | 39556001   | 39561000 | 1.74E-13  |
| chr6       | 39587001   | 39592000 | 2.22E-08  |
| chr6       | 39588001   | 39593000 | 6.23E-08  |
| chr6       | 39589001   | 39594000 | 8.67E-08  |
| chr6       | 39593001   | 39598000 | 0.001247373|
| chr6       | 39608001   | 39613000 | 6.58E-10  |
| chr6       | 39609001   | 39614000 | 3.71E-08  |
| chr6       | 39610001   | 39615000 | 1.82E-06  |
| chr6       | 39618001   | 39623000 | 1.69E-06  |
| chr6       | 39648001   | 39653000 | 2.74E-05  |
| chr6       | 39649001   | 39654000 | 0.00011461|
| chr6       | 39650001   | 39655000 | 0.000170917|
| chr6       | 39651001   | 39656000 | 7.19E-07  |
| Chromosome | Start Position | End Position | Score |
|------------|----------------|--------------|-------|
| chr6       | 39654001       | 39659000     | 9.57E-06 |
| chr6       | 39660001       | 39665000     | 0.000119904 |
| chr6       | 39661001       | 39666000     | 0.000308027 |
| chr6       | 39670001       | 39675000     | 4.71E-05  |
| chr6       | 39681001       | 39686000     | 0.000815829 |
| chr6       | 39682001       | 39687000     | 2.46E-05  |
| chr6       | 39683001       | 39688000     | 1.58E-07  |
| chr6       | 39684001       | 39689000     | 0.000270951 |
| chr6       | 39685001       | 39690000     | 0.000129616 |
| chr6       | 39694001       | 39699000     | 0.002146687 |
| chr6       | 39706001       | 39711000     | 1.77E-10  |
| chr6       | 39707001       | 39712000     | 1.42E-10  |
| chr6       | 39708001       | 39713000     | 7.03E-10  |
| chr6       | 39713001       | 39718000     | 2.73E-06  |
| chr6       | 39714001       | 39719000     | 2.97E-06  |
| chr6       | 39715001       | 39720000     | 1.68E-08  |
| chr6       | 39726001       | 39731000     | 1.31E-06  |
| chr6       | 39727001       | 39732000     | 1.76E-08  |
| chr6       | 39728001       | 39733000     | 6.29E-08  |
| chr6       | 39763001       | 39768000     | 8.93E-07  |
| chr6       | 39804001       | 39809000     | 1.44E-06  |
| chr6       | 40000001       | 40005000     | 9.09E-09  |
| chr6       | 40143001       | 40148000     | 4.89E-05  |
| chr6       | 40144001       | 40149000     | 9.14E-07  |
| chr6       | 40145001       | 40150000     | 6.68E-05  |
| chr6       | 40551001       | 40556000     | 1.85E-07  |
| chr6       | 41041001       | 41046000     | 5.41E-49  |
| chr6       | 41263001       | 41268000     | 1.70E-07  |
| chr6       | 41510001       | 41515000     | 1.14E-36  |
| chr6       | 41511001       | 41516000     | 2.86E-12  |
| chr6       | 41524001       | 41529000     | 8.43E-13  |
| chr6       | 41525001       | 41530000     | 7.45E-16  |
| chr6       | 41697001       | 41702000     | 5.86E-09  |
| chr6       | 41698001       | 41703000     | 9.11E-10  |
| chr6       | 41909001       | 41914000     | 3.67E-09  |
| chr6       | 42527001       | 42532000     | 2.77E-15  |
| chr6       | 42629001       | 42634000     | 4.48E-20  |
| chr6       | 42713001       | 42718000     | 3.80E-12  |
| chr6       | 42714001       | 42719000     | 8.53E-10  |
| chr6       | 42942001       | 42947000     | 6.17E-08  |
| chr6       | 42945001       | 42950000     | 3.46E-25  |
| chr6       | 42952001       | 42957000     | 2.20E-08  |
| chr6       | 43134001       | 43139000     | 1.34E-08  |
| chr6       | 43135001       | 43140000     | 4.74E-21  |
| chr6       | 43240001       | 43245000     | 0.000180613 |
| chr6       | 43395001       | 43400000     | 1.93E-23  |
| chr6       | 43539001       | 43544000     | 5.14E-37  |
| chr6       | 44037001       | 44042000     | 3.88E-20  |
| Chromosome | Start Position | End Position | Log10(p-value) |
|------------|----------------|--------------|----------------|
| chr6       | 44038001       | 44043000     | 1.59E-16       |
| chr6       | 44039001       | 44044000     | 2.93E-09       |
| chr6       | 44265001       | 44270000     | 0.000238521    |
| chr6       | 44281001       | 44286000     | 1.54E-14       |
| chr6       | 44354001       | 44359000     | 1.32E-22       |
| chr6       | 44355001       | 44360000     | 1.06E-21       |
| chr6       | 44888001       | 44893000     | 6.88E-05       |
| chr6       | 44901001       | 44906000     | 0.000652008    |
| chr6       | 45286001       | 45291000     | 0.004606088    |
| chr6       | 45287001       | 45292000     | 0.008674188    |
| chr6       | 45288001       | 45293000     | 0.006160735    |
| chr6       | 45290001       | 45295000     | 0.003396871    |
| chr6       | 45341001       | 45346000     | 3.89E-56       |
| chr6       | 45383001       | 45388000     | 7.73E-32       |
| chr6       | 45390001       | 45395000     | 2.23E-63       |
| chr6       | 45391001       | 45396000     | 2.32E-48       |
| chr6       | 45392001       | 45397000     | 2.27E-20       |
| chr6       | 45848001       | 45853000     | 0.000100738    |
| chr6       | 45858001       | 45863000     | 0.00025856     |
| chr6       | 45859001       | 45864000     | 0.000111049    |
| chr6       | 45864001       | 45869000     | 6.76E-10       |
| chr6       | 45961001       | 45966000     | 0.001718861    |
| chr6       | 45962001       | 45967000     | 0.000568257    |
| chr6       | 45979001       | 45984000     | 2.85E-38       |
| chr6       | 45980001       | 45985000     | 7.51E-56       |
| chr6       | 45981001       | 45986000     | 4.52E-52       |
| chr6       | 45983001       | 45988000     | 2.00E-49       |
| chr6       | 46093001       | 46098000     | 9.61E-23       |
| chr6       | 46097001       | 46102000     | 3.26E-27       |
| chr6       | 46098001       | 46103000     | 1.94E-15       |
| chr6       | 46258001       | 46263000     | 0.000513983    |
| chr6       | 46259001       | 46264000     | 0.000131717    |
| chr6       | 46422001       | 46427000     | 0.000692299    |
| chr6       | 46448001       | 46453000     | 1.01E-13       |
| chr6       | 46449001       | 46454000     | 3.87E-12       |
| chr6       | 46450001       | 46455000     | 8.60E-10       |
| chr6       | 46451001       | 46456000     | 7.83E-08       |
| chr6       | 46452001       | 46457000     | 1.47E-05       |
| chr6       | 46454001       | 46459000     | 6.12E-22       |
| chr6       | 46455001       | 46460000     | 6.01E-37       |
| chr6       | 46458001       | 46463000     | 1.46E-37       |
| chr6       | 46459001       | 46464000     | 1.73E-43       |
| chr6       | 46483001       | 46488000     | 0.002879031    |
| chr6       | 46510001       | 46515000     | 2.97E-05       |
| chr6       | 46511001       | 46516000     | 3.20E-07       |
| chr6       | 46512001       | 46517000     | 2.62E-08       |
| chr6       | 46513001       | 46518000     | 1.48E-06       |
| chr6       | 46560001       | 46565000     | 0.000176405    |
| Chromosome | Start Position | End Position | p-value       |
|------------|----------------|--------------|---------------|
| chr6       | 46561001       | 46566000     | 6.73E-06      |
| chr6       | 46569001       | 46574000     | 0.000233744   |
| chr6       | 46611001       | 46616000     | 6.75E-05      |
| chr6       | 46612001       | 46617000     | 3.26E-07      |
| chr6       | 46621001       | 46626000     | 2.47E-29      |
| chr6       | 46671001       | 46676000     | 3.48E-05      |
| chr6       | 46672001       | 46677000     | 8.75E-05      |
| chr6       | 46673001       | 46678000     | 0.000293946   |
| chr6       | 46696001       | 46701000     | 6.86E-07      |
| chr6       | 46698001       | 46703000     | 4.77E-33      |
| chr6       | 46699001       | 46704000     | 9.72E-47      |
| chr6       | 46700001       | 46705000     | 4.56E-33      |
| chr6       | 46701001       | 46706000     | 1.08E-26      |
| chr6       | 46702001       | 46707000     | 8.82E-32      |
| chr6       | 46703001       | 46708000     | 3.86E-39      |
| chr6       | 47030001       | 47035000     | 6.38E-06      |
| chr6       | 47272001       | 47277000     | 1.01E-34      |
| chr6       | 47277001       | 47282000     | 7.56E-44      |
| chr6       | 47736001       | 47741000     | 0.00196749    |
| chr6       | 47980001       | 47985000     | 0.000585449   |
| chr6       | 48032001       | 48037000     | 1.15E-16      |
| chr6       | 48034001       | 48039000     | 1.87E-24      |
| chr6       | 48035001       | 48040000     | 3.57E-25      |
| chr6       | 48036001       | 48041000     | 7.33E-23      |
| chr6       | 48417001       | 48422000     | 0.000238694   |
| chr6       | 48673001       | 48678000     | 7.62E-18      |
| chr6       | 48676001       | 48681000     | 0.022874457   |
| chr6       | 48677001       | 48682000     | 0.029130049   |
| chr6       | 49430001       | 49435000     | 6.78E-25      |
| chr6       | 49431001       | 49436000     | 3.53E-26      |
| chr6       | 49677001       | 49682000     | 1.99E-10      |
| chr6       | 49678001       | 49683000     | 1.10E-09      |
| chr6       | 49679001       | 49684000     | 1.89E-08      |
| chr6       | 49690001       | 49695000     | 0.001680412   |
| chr6       | 49691001       | 49696000     | 0.003606973   |
| chr6       | 50010001       | 50015000     | 3.45E-05      |
| chr6       | 50014001       | 50019000     | 0.000274514   |
| chr6       | 50198001       | 50203000     | 4.68E-06      |
| chr6       | 50199001       | 50204000     | 1.40E-05      |
| chr6       | 50393001       | 50398000     | 0.000172244   |
| chr6       | 50394001       | 50399000     | 3.23E-05      |
| chr6       | 50395001       | 50400000     | 3.71E-07      |
| chr6       | 50396001       | 50401000     | 5.10E-11      |
| chr6       | 51040001       | 51045000     | 9.09E-06      |
| chr6       | 51360001       | 51365000     | 0.000129058   |
| chr6       | 51414001       | 51419000     | 7.26E-11      |
| chr6       | 51415001       | 51420000     | 1.21E-10      |
| chr6       | 51416001       | 51421000     | 2.14E-11      |
| Chr  | Start  | End    | p-value         |
|------|--------|--------|-----------------|
| chr6 | 51417001 | 51422000 | 1.87E-11        |
| chr6 | 51418001 | 51423000 | 1.33E-09        |
| chr6 | 51630001 | 51635000 | 0.001980187     |
| chr6 | 51778001 | 51783000 | 0.000259015     |
| chr6 | 51779001 | 51784000 | 3.17E-05        |
| chr6 | 51814001 | 51819000 | 0.002391565     |
| chr6 | 51836001 | 51841000 | 0.000892185     |
| chr6 | 52145001 | 52150000 | 1.84E-30        |
| chr6 | 52222001 | 52227000 | 2.53E-22        |
| chr6 | 52349001 | 52354000 | 0.006955126     |
| chr6 | 52441001 | 52446000 | 1.18E-46        |
| chr6 | 52442001 | 52447000 | 5.67E-42        |
| chr6 | 52531001 | 52536000 | 5.30E-55        |
| chr6 | 52532001 | 52537000 | 1.20E-63        |
| chr6 | 52533001 | 52538000 | 9.21E-53        |
| chr6 | 52534001 | 52539000 | 3.02E-45        |
| chr6 | 52535001 | 52540000 | 5.12E-33        |
| chr6 | 52842001 | 52847000 | 0.014607276     |
| chr6 | 53208001 | 53213000 | 1.93E-19        |
| chr6 | 53209001 | 53214000 | 1.35E-59        |
| chr6 | 53213001 | 53218000 | 4.17E-49        |
| chr6 | 53300001 | 53305000 | 3.14E-06        |
| chr6 | 53301001 | 53306000 | 1.16E-05        |
| chr6 | 53405001 | 53410000 | 7.08E-58        |
| chr6 | 53406001 | 53411000 | 4.59E-84        |
| chr6 | 53407001 | 53412000 | 1.13E-68        |
| chr6 | 53408001 | 53413000 | 2.61E-58        |
| chr6 | 53409001 | 53414000 | 3.27E-57        |
| chr6 | 53512001 | 53517000 | 4.75E-71        |
| chr6 | 53515001 | 53520000 | 1.90E-65        |
| chr6 | 53516001 | 53521000 | 3.45E-58        |
| chr6 | 53517001 | 53522000 | 1.11E-30        |
| chr6 | 54174001 | 54179000 | 0.003787846     |
| chr6 | 54175001 | 54180000 | 0.003080813     |
| chr6 | 54445001 | 54450000 | 0.002994586     |
| chr6 | 54661001 | 54666000 | 0.001360861     |
| chr6 | 55682001 | 55687000 | 0.002976627     |
| chr6 | 56406001 | 56411000 | 6.60E-43        |
| chr6 | 56407001 | 56412000 | 5.24E-49        |
| chr6 | 56760001 | 56765000 | 2.76E-08        |
| chr6 | 56950001 | 56955000 | 2.80E-55        |
| chr6 | 56951001 | 56956000 | 2.88E-61        |
| chr6 | 56952001 | 56957000 | 1.32E-60        |
| chr6 | 56953001 | 56958000 | 3.57E-86        |
| chr6 | 56954001 | 56959000 | 7.91E-76        |
| chr6 | 56955001 | 56960000 | 8.23E-48        |
| chr6 | 57032001 | 57037000 | 1.70E-09        |
| chr6 | 57033001 | 57038000 | 7.34E-147        |
| Chromosome | Start | End   | Value     |
|------------|-------|-------|-----------|
| chr6       | 70980001 | 70985000 | 3.75E-07  |
| chr6       | 70981001 | 70986000 | 0.000904348 |
| chr6       | 70982001 | 70987000 | 0.002180573 |
| chr6       | 70983001 | 70988000 | 0.001179194 |
| chr6       | 71065001 | 71070000 | 1.45E-05  |
| chr6       | 71272001 | 71277000 | 2.28E-26  |
| chr6       | 71373001 | 71378000 | 1.16E-32  |
| chr6       | 71374001 | 71379000 | 1.41E-34  |
| chr6       | 71375001 | 71380000 | 4.09E-47  |
| chr6       | 71376001 | 71381000 | 1.76E-46  |
| chr6       | 71377001 | 71382000 | 4.90E-50  |
| chr6       | 71624001 | 71629000 | 1.45E-05  |
| chr6       | 71661001 | 71666000 | 3.29E-35  |
| chr6       | 71662001 | 71667000 | 9.86E-36  |
| chr6       | 71663001 | 71668000 | 4.51E-33  |
| chr6       | 71664001 | 71669000 | 1.07E-28  |
| chr6       | 71665001 | 71670000 | 2.79E-28  |
| chr6       | 71666001 | 71671000 | 4.55E-35  |
| chr6       | 71994001 | 71999000 | 5.20E-48  |
| chr6       | 71995001 | 72000000 | 1.40E-36  |
| chr6       | 71996001 | 72001000 | 1.05E-26  |
| chr6       | 71998001 | 72003000 | 9.16E-46  |
| chr6       | 72128001 | 72133000 | 6.54E-56  |
| chr6       | 72129001 | 72134000 | 5.01E-85  |
| chr6       | 72130001 | 72135000 | 5.44E-120 |
| chr6       | 72131001 | 72136000 | 2.05E-08  |
| chr6       | 72132001 | 72137000 | 1.45E-06  |
| chr6       | 72164001 | 72169000 | 0.000847976 |
| chr6       | 72165001 | 72170000 | 0.001092851 |
| chr6       | 72376001 | 72381000 | 9.84E-05  |
| chr6       | 72378001 | 72383000 | 7.66E-07  |
| chr6       | 72505001 | 72510000 | 0.001790446 |
| chr6       | 72506001 | 72511000 | 1.22E-06  |
| chr6       | 72507001 | 72512000 | 2.94E-06  |
| chr6       | 72508001 | 72513000 | 1.46E-07  |
| chr6       | 72550001 | 72555000 | 0.000880664 |
| chr6       | 72551001 | 72556000 | 0.001651419 |
| chr6       | 72553001 | 72558000 | 0.004281279 |
| chr6       | 72584001 | 72589000 | 0.01042079 |
| chr6       | 72586001 | 72591000 | 0.01046831 |
| chr6       | 72592001 | 72597000 | 2.57E-36  |
| chr6       | 72593001 | 72598000 | 5.14E-25  |
| chr6       | 72729001 | 72734000 | 0.011616451 |
| chr6       | 72730001 | 72735000 | 0.011046142 |
| chr6       | 72824001 | 72829000 | 1.20E-05  |
| chr6       | 73161001 | 73166000 | 0.000101892 |
| chr6       | 73197001 | 73202000 | 0.002230702 |
| chr6       | 73198001 | 73203000 | 1.43E-07  |
| Chromosome | Start Base | End Base | P-value |
|------------|------------|----------|---------|
| chr6       | 73199001   | 73204000 | 1.44E-07|
| chr6       | 73200001   | 73205000 | 2.36E-07|
| chr6       | 73201001   | 73206000 | 1.26E-07|
| chr6       | 73203001   | 73208000 | 0.004053729|
| chr6       | 73291001   | 73296000 | 9.77E-14|
| chr6       | 73293001   | 73298000 | 1.99E-10|
| chr6       | 73299001   | 73304000 | 0.00159448|
| chr6       | 73308001   | 73313000 | 1.90E-13|
| chr6       | 73310001   | 73315000 | 9.13E-13|
| chr6       | 73311001   | 73316000 | 3.36E-11|
| chr6       | 73312001   | 73317000 | 6.59E-14|
| chr6       | 73313001   | 73336000 | 1.72E-10|
| chr6       | 73332001   | 73337000 | 2.53E-24|
| chr6       | 73334001   | 73339000 | 3.99E-24|
| chr6       | 73350001   | 73370000 | 2.28E-08|
| chr6       | 73428001   | 73433000 | 2.26E-06|
| chr6       | 73538001   | 73543000 | 2.70E-08|
| chr6       | 73540001   | 73545000 | 8.22E-10|
| chr6       | 73541001   | 73546000 | 2.07E-07|
| chr6       | 73598001   | 73603000 | 0.000210414|
| chr6       | 73599001   | 73604000 | 0.00035836|
| chr6       | 73628001   | 73633000 | 2.59E-06|
| chr6       | 73629001   | 73634000 | 2.00E-06|
| chr6       | 73651001   | 73656000 | 0.00109101|
| chr6       | 73734001   | 73739000 | 3.60E-05|
| chr6       | 73746001   | 73751000 | 8.10E-06|
| chr6       | 73781001   | 73786000 | 5.05E-07|
| chr6       | 73782001   | 73787000 | 2.23E-06|
| chr6       | 73783001   | 73788000 | 1.35E-07|
| chr6       | 73784001   | 73789000 | 8.87E-07|
| chr6       | 73785001   | 73790000 | 6.10E-06|
| chr6       | 73807001   | 73812000 | 0.000437001|
| chr6       | 73810001   | 73815000 | 9.94E-05|
| chr6       | 73814001   | 73819000 | 0.010152696|
| chr6       | 73815001   | 73820000 | 0.008196181|
| chr6       | 73826001   | 73831000 | 0.000291244|
| chr6       | 73827001   | 73832000 | 1.63E-09|
| chr6       | 73828001   | 73833000 | 1.45E-08|
| chr6       | 73829001   | 73834000 | 1.03E-05|
| chr6       | 73830001   | 73835000 | 9.30E-06|
| chr6       | 73834001   | 73839000 | 1.28E-05|
| chr6       | 73854001   | 73859000 | 0.002061455|
| chr6       | 73879001   | 73884000 | 0.008322625|
| chr6       | 74157001   | 74162000 | 1.74E-16|
| chr6       | 74159001   | 74164000 | 1.10E-11|
| chr6       | 74160001   | 74165000 | 1.26E-12|
| chr6       | 74233001   | 74238000 | 4.02E-16|
| chr6       | 74363001   | 74368000 | 9.57E-20|
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr6       | 74401001       | 74406000     | 2.83E-24       |
| chr6       | 74402001       | 74407000     | 1.19E-50       |
| chr6       | 74403001       | 74408000     | 2.20E-51       |
| chr6       | 74404001       | 74409000     | 7.28E-59       |
| chr6       | 74405001       | 74410000     | 7.05E-54       |
| chr6       | 74406001       | 74411000     | 9.06E-27       |
| chr6       | 74432001       | 74437000     | 1.78E-06       |
| chr6       | 74501001       | 74506000     | 8.92E-05       |
| chr6       | 74629001       | 74634000     | 6.21E-06       |
| chr6       | 74630001       | 74635000     | 0.000127367    |
| chr6       | 74676001       | 74681000     | 2.12E-05       |
| chr6       | 74677001       | 74682000     | 1.75E-05       |
| chr6       | 74683001       | 74688000     | 4.68E-07       |
| chr6       | 74684001       | 74689000     | 1.30E-05       |
| chr6       | 74685001       | 74690000     | 0.0001545      |
| chr6       | 74694001       | 74699000     | 0.000798029    |
| chr6       | 74701001       | 74706000     | 0.00022177     |
| chr6       | 74741001       | 74746000     | 1.75E-17       |
| chr6       | 74743001       | 74748000     | 4.30E-13       |
| chr6       | 74744001       | 74749000     | 9.42E-10       |
| chr6       | 74747001       | 74752000     | 6.58E-08       |
| chr6       | 74748001       | 74753000     | 5.29E-08       |
| chr6       | 74749001       | 74754000     | 2.89E-07       |
| chr6       | 74750001       | 74755000     | 9.08E-07       |
| chr6       | 74870001       | 74875000     | 0.001180706    |
| chr6       | 74933001       | 74938000     | 3.10E-07       |
| chr6       | 74934001       | 74939000     | 3.35E-11       |
| chr6       | 74935001       | 74940000     | 1.39E-07       |
| chr6       | 74936001       | 74941000     | 2.27E-06       |
| chr6       | 74943001       | 74948000     | 0.001998867    |
| chr6       | 74944001       | 74949000     | 0.000889858    |
| chr6       | 74945001       | 74950000     | 4.30E-05       |
| chr6       | 74946001       | 74951000     | 0.000276238    |
| chr6       | 74947001       | 74952000     | 0.000409988    |
| chr6       | 74948001       | 74953000     | 7.90E-06       |
| chr6       | 74971001       | 74976000     | 0.009381647    |
| chr6       | 74973001       | 74978000     | 0.000231123    |
| chr6       | 75057001       | 75062000     | 1.91E-06       |
| chr6       | 75058001       | 75063000     | 4.17E-05       |
| chr6       | 75059001       | 75064000     | 1.10E-06       |
| chr6       | 75091001       | 75096000     | 0.000409713    |
| chr6       | 75110001       | 75115000     | 3.24E-05       |
| chr6       | 75111001       | 75116000     | 4.02E-05       |
| chr6       | 75123001       | 75128000     | 0.001613497    |
| chr6       | 75124001       | 75129000     | 0.001357117    |
| chr6       | 75125001       | 75130000     | 0.002725119    |
| chr6       | 75126001       | 75131000     | 0.0036262      |
| chr6       | 75134001       | 75139000     | 0.00062195     |
| chr6 | Start | End   | P-value |
|------|-------|-------|---------|
| 75135001 | 75140000 | 7.77E-05 |
| 75136001 | 75141000 | 6.64E-05 |
| 75137001 | 75142000 | 0.00046843 |
| 75138001 | 75143000 | 0.002686435 |
| 75146001 | 75151000 | 6.30E-05 |
| 75169001 | 75174000 | 0.001345489 |
| 75190001 | 75195000 | 1.55E-12 |
| 75245001 | 75250000 | 3.18E-06 |
| 75301001 | 75306000 | 0.004097303 |
| 75379001 | 75384000 | 2.04E-05 |
| 75436001 | 75441000 | 3.04E-06 |
| 75455001 | 75460000 | 0.000108604 |
| 75585001 | 75590000 | 6.24E-05 |
| 75586001 | 75591000 | 0.001595911 |
| 75659001 | 75664000 | 0.003325261 |
| 75660001 | 75665000 | 0.0002558 |
| 75661001 | 75666000 | 4.35E-05 |
| 75662001 | 75667000 | 3.96E-05 |
| 75778001 | 75783000 | 0.001659595 |
| 75782001 | 75787000 | 0.018197992 |
| 75783001 | 75788000 | 5.71E-07 |
| 75784001 | 75789000 | 1.60E-07 |
| 75785001 | 75790000 | 2.53E-07 |
| 75786001 | 75791000 | 6.34E-06 |
| 75787001 | 75792000 | 6.34E-06 |
| 75863001 | 75868000 | 0.001430498 |
| 75864001 | 75869000 | 0.001155127 |
| 75953001 | 75958000 | 1.54E-24 |
| 76163001 | 76168000 | 0.003300956 |
| 76165001 | 76170000 | 0.000200267 |
| 76166001 | 76171000 | 0.000783917 |
| 76167001 | 76172000 | 0.002560721 |
| 76184001 | 76189000 | 6.46E-05 |
| 76209001 | 76214000 | 8.81E-06 |
| 76250001 | 76255000 | 5.60E-07 |
| 76269001 | 76274000 | 0.016841655 |
| 76307001 | 76312000 | 9.18E-13 |
| 76311001 | 76316000 | 5.43E-46 |
| 76459001 | 76464000 | 2.04E-21 |
| 76912001 | 76917000 | 0.003138739 |
| 77023001 | 77028000 | 0.002542504 |
| 77758001 | 77763000 | 4.66E-07 |
| 78014001 | 78019000 | 0.020974331 |
| 78015001 | 78020000 | 0.025286226 |
| 78016001 | 78021000 | 0.029423211 |
| 78200001 | 78205000 | 5.61E-05 |
| 78287001 | 78292000 | 0.012627084 |
| 78327001 | 78332000 | 0.007102839 |
| Chr  | Start  | End    | p-value     |
|------|--------|--------|-------------|
| chr6 | 78328001 | 78333000 | 0.002460503 |
| chr6 | 78478001 | 78483000 | 3.22E-05    |
| chr6 | 78480001 | 78485000 | 0.00151347  |
| chr6 | 78494001 | 78499000 | 0.000527333 |
| chr6 | 78581001 | 78586000 | 0.000136867 |
| chr6 | 78582001 | 78587000 | 8.43E-07    |
| chr6 | 78583001 | 78588000 | 2.55E-05    |
| chr6 | 78634001 | 78639000 | 0.000408412 |
| chr6 | 78661001 | 78666000 | 5.38E-05    |
| chr6 | 78672001 | 78677000 | 0.010015862 |
| chr6 | 78699001 | 78704000 | 5.79E-11    |
| chr6 | 78700001 | 78705000 | 2.62E-10    |
| chr6 | 78701001 | 78706000 | 1.12E-14    |
| chr6 | 78763001 | 78768000 | 0.000733834 |
| chr6 | 78810001 | 78815000 | 0.000333333 |
| chr6 | 78850001 | 78855000 | 0.000533436 |
| chr6 | 78851001 | 78856000 | 0.002576433 |
| chr6 | 78852001 | 78857000 | 0.00102078  |
| chr6 | 78854001 | 78859000 | 3.99E-05    |
| chr6 | 78855001 | 78860000 | 0.00028002  |
| chr6 | 78897001 | 78902000 | 0.000361572 |
| chr6 | 78960001 | 78965000 | 0.007367383 |
| chr6 | 78997001 | 79002000 | 0.000887191 |
| chr6 | 78998001 | 79003000 | 0.000500172 |
| chr6 | 78999001 | 79004000 | 0.000277499 |
| chr6 | 79320001 | 79325000 | 0.004994441 |
| chr6 | 79382001 | 79387000 | 2.93E-05    |
| chr6 | 79413001 | 79418000 | 7.93E-07    |
| chr6 | 79414001 | 79419000 | 1.44E-07    |
| chr6 | 79415001 | 79420000 | 3.67E-06    |
| chr6 | 79427001 | 79432000 | 0.0055681   |
| chr6 | 79428001 | 79433000 | 0.002082998 |
| chr6 | 79521001 | 79526000 | 2.45E-06    |
| chr6 | 79782001 | 79787000 | 3.96E-21    |
| chr6 | 79783001 | 79788000 | 7.87E-72    |
| chr6 | 79787001 | 79792000 | 1.59E-52    |
| chr6 | 79788001 | 79793000 | 1.21E-48    |
| chr6 | 79939001 | 79944000 | 1.77E-29    |
| chr6 | 79940001 | 79945000 | 6.72E-50    |
| chr6 | 79941001 | 79946000 | 6.63E-52    |
| chr6 | 79942001 | 79947000 | 1.51E-48    |
| chr6 | 79943001 | 79948000 | 1.58E-43    |
| chr6 | 79944001 | 79949000 | 8.51E-40    |
| chr6 | 80242001 | 80247000 | 4.11E-38    |
| chr6 | 80336001 | 80341000 | 5.75E-23    |
| chr6 | 80337001 | 80342000 | 2.80E-44    |
| chr6 | 80577001 | 80582000 | 3.30E-11    |
| Chr | Start | End   | P-Value       |
|-----|-------|-------|---------------|
| chr6| 80579001 | 80584000 | 9.96E-12     |
| chr6| 80652001 | 80657000 | 2.04E-39     |
| chr6| 80709001 | 80714000 | 1.90E-09     |
| chr6| 80710001 | 80715000 | 3.29E-34     |
| chr6| 80714001 | 80719000 | 1.78E-32     |
| chr6| 80816001 | 80821000 | 1.09E-29     |
| chr6| 80854001 | 80859000 | 0.001448916  |
| chr6| 81073001 | 81078000 | 0.000868748  |
| chr6| 81075001 | 81080000 | 0.002825955  |
| chr6| 81146001 | 81151000 | 0.002841124  |
| chr6| 81147001 | 81152000 | 0.001763645  |
| chr6| 81149001 | 81154000 | 0.003831114  |
| chr6| 81150001 | 81155000 | 0.002483284  |
| chr6| 81330001 | 81335000 | 0.24838358   |
| chr6| 81366001 | 81371000 | 0.002603119  |
| chr6| 81502001 | 81507000 | 0.000276034  |
| chr6| 81503001 | 81508000 | 7.65E-06     |
| chr6| 81505001 | 81510000 | 8.15E-05     |
| chr6| 81506001 | 81511000 | 0.00237456   |
| chr6| 81509001 | 81514000 | 5.30E-05     |
| chr6| 81510001 | 81515000 | 8.82E-05     |
| chr6| 81511001 | 81516000 | 9.09E-05     |
| chr6| 81550001 | 81555000 | 1.27E-05     |
| chr6| 81551001 | 81556000 | 1.20E-05     |
| chr6| 81552001 | 81557000 | 0.000164684  |
| chr6| 81673001 | 81678000 | 0.011101152  |
| chr6| 81674001 | 81679000 | 2.50E-05     |
| chr6| 81675001 | 81680000 | 4.45E-05     |
| chr6| 81818001 | 81823000 | 1.08E-06     |
| chr6| 81819001 | 81824000 | 3.05E-07     |
| chr6| 81841001 | 81846000 | 0.010198474  |
| chr6| 81927001 | 81932000 | 0.00250263   |
| chr6| 82001001 | 82006000 | 0.009598352  |
| chr6| 82029001 | 82034000 | 0.007705363  |
| chr6| 82030001 | 82035000 | 0.000660209  |
| chr6| 82031001 | 82036000 | 0.001007403  |
| chr6| 82032001 | 82037000 | 0.002413017  |
| chr6| 82463001 | 82468000 | 1.45E-55     |
| chr6| 82530001 | 82535000 | 0.001307777  |
| chr6| 82551001 | 82556000 | 2.35E-05     |
| chr6| 82651001 | 82656000 | 0.001815102  |
| chr6| 83069001 | 83074000 | 2.95E-39     |
| chr6| 83070001 | 83075000 | 3.79E-45     |
| chr6| 83072001 | 83077000 | 1.04E-58     |
| chr6| 83073001 | 83078000 | 1.89E-48     |
| chr6| 83074001 | 83079000 | 2.21E-51     |
| chr6| 83075001 | 83080000 | 1.42E-42     |
| chr6| 83777001 | 83782000 | 1.62E-59     |
| Chr  | Start Base | End Base | Score  |
|------|------------|----------|--------|
| chr6 | 83899001   | 83904000 | 2.85E-24 |
| chr6 | 83902001   | 83907000 | 2.73E-21 |
| chr6 | 83903001   | 83908000 | 2.58E-21 |
| chr6 | 84039001   | 84044000 | 2.33E-08 |
| chr6 | 84040001   | 84045000 | 2.83E-10 |
| chr6 | 84041001   | 84046000 | 1.19E-09 |
| chr6 | 84042001   | 84047000 | 3.87E-10 |
| chr6 | 84043001   | 84048000 | 2.06E-10 |
| chr6 | 84136001   | 84141000 | 2.98E-26 |
| chr6 | 84217001   | 84222000 | 2.63E-11 |
| chr6 | 84218001   | 84223000 | 2.25E-11 |
| chr6 | 84219001   | 84224000 | 5.10E-19 |
| chr6 | 84220001   | 84225000 | 5.99E-16 |
| chr6 | 84266001   | 84271000 | 0.017578117 |
| chr6 | 84739001   | 84744000 | 2.37E-25 |
| chr6 | 84740001   | 84745000 | 2.66E-23 |
| chr6 | 84741001   | 84746000 | 7.53E-27 |
| chr6 | 84742001   | 84747000 | 1.72E-35 |
| chr6 | 84743001   | 84748000 | 4.55E-23 |
| chr6 | 84807001   | 84812000 | 2.46E-05 |
| chr6 | 85173001   | 85178000 | 0.000296147 |
| chr6 | 85272001   | 85277000 | 3.87E-05 |
| chr6 | 85404001   | 85409000 | 0.000120039 |
| chr6 | 85850001   | 85855000 | 0.00346273 |
| chr6 | 85851001   | 85856000 | 0.008371805 |
| chr6 | 85953001   | 85958000 | 4.44E-06 |
| chr6 | 85954001   | 85959000 | 0.001122267 |
| chr6 | 86010001   | 86015000 | 3.52E-11 |
| chr6 | 86011001   | 86016000 | 6.80E-09 |
| chr6 | 86155001   | 86160000 | 5.48E-67 |
| chr6 | 86299001   | 86304000 | 1.21E-37 |
| chr6 | 86352001   | 86357000 | 2.23E-35 |
| chr6 | 86353001   | 86358000 | 1.48E-29 |
| chr6 | 86388001   | 86393000 | 3.55E-26 |
| chr6 | 86480001   | 86485000 | 0.002388761 |
| chr6 | 86481001   | 86486000 | 0.001052369 |
| chr6 | 86487001   | 86492000 | 3.56E-05 |
| chr6 | 86488001   | 86493000 | 2.07E-07 |
| chr6 | 86489001   | 86494000 | 0.000850094 |
| chr6 | 86516001   | 86521000 | 4.74E-06 |
| chr6 | 86517001   | 86522000 | 0.000167727 |
| chr6 | 86518001   | 86523000 | 0.000438024 |
| chr6 | 86582001   | 86587000 | 2.65E-05 |
| chr6 | 86595001   | 86600000 | 5.49E-06 |
| chr6 | 86596001   | 86601000 | 3.40E-07 |
| chr6 | 86597001   | 86602000 | 3.95E-10 |
| chr6 | 86598001   | 86603000 | 6.43E-15 |
| chr6 | 86599001   | 86604000 | 5.34E-16 |
| Chr | Start | End   | p-value      |
|-----|-------|-------|-------------|
| chr6| 86600001 | 86605000 | 4.02E-07    |
| chr6| 86602001 | 86607000 | 2.27E-08    |
| chr6| 86608001 | 86613000 | 0.001198862 |
| chr6| 86609001 | 86614000 | 4.20E-05    |
| chr6| 86610001 | 86615000 | 2.46E-05    |
| chr6| 86611001 | 86616000 | 4.60E-08    |
| chr6| 86612001 | 86617000 | 5.28E-08    |
| chr6| 86630001 | 86635000 | 1.14E-05    |
| chr6| 86646001 | 86651000 | 7.02E-10    |
| chr6| 86647001 | 86652000 | 0.001847753 |
| chr6| 86648001 | 86653000 | 0.000449559 |
| chr6| 86659001 | 86664000 | 7.58E-05    |
| chr6| 86666001 | 86671000 | 3.68E-06    |
| chr6| 86667001 | 86672000 | 8.99E-07    |
| chr6| 86699001 | 86704000 | 5.73E-05    |
| chr6| 86701001 | 86706000 | 7.13E-05    |
| chr6| 86702001 | 86707000 | 0.000114518 |
| chr6| 86703001 | 86708000 | 9.35E-06    |
| chr6| 86715001 | 86720000 | 5.77E-18    |
| chr6| 86716001 | 86721000 | 4.23E-18    |
| chr6| 86717001 | 86722000 | 2.58E-08    |
| chr6| 86739001 | 86744000 | 3.62E-09    |
| chr6| 86740001 | 86745000 | 9.79E-09    |
| chr6| 86767001 | 86772000 | 6.24E-10    |
| chr6| 86773001 | 86778000 | 4.94E-12    |
| chr6| 86774001 | 86779000 | 2.09E-10    |
| chr6| 86775001 | 86780000 | 8.86E-10    |
| chr6| 86798001 | 86803000 | 2.95E-06    |
| chr6| 86799001 | 86804000 | 1.55E-06    |
| chr6| 86800001 | 86805000 | 1.30E-09    |
| chr6| 86801001 | 86806000 | 6.04E-09    |
| chr6| 86956001 | 86961000 | 0.001105768 |
| chr6| 86957001 | 86962000 | 8.53E-08    |
| chr6| 86958001 | 86963000 | 1.60E-07    |
| chr6| 86959001 | 86964000 | 5.03E-08    |
| chr6| 86960001 | 86965000 | 2.05E-08    |
| chr6| 86961001 | 86966000 | 9.04E-07    |
| chr6| 87043001 | 87048000 | 0.001945587 |
| chr6| 87044001 | 87049000 | 0.0018215    |
| chr6| 87045001 | 87050000 | 0.001792242 |
| chr6| 87046001 | 87051000 | 5.07E-05    |
| chr6| 87052001 | 87057000 | 0.000541961 |
| chr6| 87053001 | 87058000 | 0.000107553 |
| chr6| 87054001 | 87059000 | 0.000449297 |
| chr6| 87074001 | 87079000 | 0.00093527   |
| chr6| 87075001 | 87080000 | 7.99E-08    |
| chr6| 87076001 | 87081000 | 0.000592008 |
| Chromosome | Start | End | p-value |
|------------|-------|-----|---------|
| chr6       | 87130001 | 87135000 | 0.013638647 |
| chr6       | 87131001 | 87136000 | 0.004780399 |
| chr6       | 87228001 | 87233000 | 0.000110013 |
| chr6       | 87229001 | 87234000 | 0.000172742 |
| chr6       | 87230001 | 87235000 | 0.002227341 |
| chr6       | 87231001 | 87236000 | 7.92E-05 |
| chr6       | 87234001 | 87239000 | 0.001921191 |
| chr6       | 87258001 | 87263000 | 1.32E-06 |
| chr6       | 87284001 | 87289000 | 0.000189555 |
| chr6       | 87398001 | 87403000 | 0.001020698 |
| chr6       | 87518001 | 87523000 | 8.58E-13 |
| chr6       | 87519001 | 87524000 | 1.58E-17 |
| chr6       | 87520001 | 87525000 | 1.06E-14 |
| chr6       | 87521001 | 87526000 | 3.57E-16 |
| chr6       | 87522001 | 87527000 | 1.33E-06 |
| chr6       | 87554001 | 87559000 | 1.74E-06 |
| chr6       | 87586001 | 87591000 | 1.75E-07 |
| chr6       | 87587001 | 87592000 | 5.91E-05 |
| chr6       | 87616001 | 87621000 | 7.26E-08 |
| chr6       | 87857001 | 87862000 | 2.79E-31 |
| chr6       | 87858001 | 87863000 | 3.26E-63 |
| chr6       | 87859001 | 87864000 | 7.63E-68 |
| chr6       | 88028001 | 88033000 | 6.35E-42 |
| chr6       | 88029001 | 88034000 | 3.66E-40 |
| chr6       | 88030001 | 88035000 | 9.91E-41 |
| chr6       | 88031001 | 88036000 | 8.44E-49 |
| chr6       | 88032001 | 88037000 | 1.19E-36 |
| chr6       | 88113001 | 88118000 | 1.72E-38 |
| chr6       | 88114001 | 88119000 | 3.94E-47 |
| chr6       | 88115001 | 88120000 | 3.22E-67 |
| chr6       | 88116001 | 88121000 | 1.06E-61 |
| chr6       | 88117001 | 88122000 | 1.34E-54 |
| chr6       | 88118001 | 88123000 | 1.95E-16 |
| chr6       | 88295001 | 88300000 | 1.46E-32 |
| chr6       | 88297001 | 88302000 | 9.43E-29 |
| chr6       | 88298001 | 88303000 | 3.55E-28 |
| chr6       | 88299001 | 88304000 | 2.54E-41 |
| chr6       | 89335001 | 89340000 | 4.85E-05 |
| chr6       | 89336001 | 89341000 | 9.65E-06 |
| chr6       | 89668001 | 89673000 | 1.39E-09 |
| chr6       | 89669001 | 89674000 | 2.93E-23 |
| chr6       | 89670001 | 89675000 | 5.98E-20 |
| chr6       | 89671001 | 89676000 | 4.70E-16 |
| chr6       | 89672001 | 89677000 | 5.87E-10 |
| chr6       | 89673001 | 89678000 | 1.06E-11 |
| chr6       | 89823001 | 89828000 | 7.65E-24 |
| chr6       | 89827001 | 89832000 | 1.86E-15 |
| chr6       | 89856001 | 89861000 | 1.95E-32 |
| Chromosome | Start Position | End Position | P-Value  |
|------------|----------------|--------------|----------|
| chr6       | 90117001       | 90122000     | 2.34E-39 |
| chr6       | 90118001       | 90123000     | 2.64E-20 |
| chr6       | 90120001       | 90125000     | 3.60E-23 |
| chr6       | 90121001       | 90126000     | 1.99E-21 |
| chr6       | 90122001       | 90127000     | 7.66E-17 |
| chr6       | 90139001       | 90144000     | 6.98E-23 |
| chr6       | 90140001       | 90145000     | 2.13E-24 |
| chr6       | 90141001       | 90146000     | 3.11E-40 |
| chr6       | 90142001       | 90147000     | 1.53E-44 |
| chr6       | 90143001       | 90148000     | 8.97E-33 |
| chr6       | 90345001       | 90350000     | 9.53E-51 |
| chr6       | 90785001       | 90790000     | 5.68E-08 |
| chr6       | 90802001       | 90807000     | 9.16E-12 |
| chr6       | 90803001       | 90808000     | 3.66E-10 |
| chr6       | 90804001       | 90809000     | 7.04E-15 |
| chr6       | 90805001       | 90810000     | 6.23E-14 |
| chr6       | 90869001       | 90874000     | 1.22E-06 |
| chr6       | 90921001       | 90926000     | 4.46E-07 |
| chr6       | 91001001       | 91006000     | 1.28E-53 |
| chr6       | 91002001       | 91007000     | 1.83E-55 |
| chr6       | 91003001       | 91008000     | 2.36E-54 |
| chr6       | 91004001       | 91009000     | 4.42E-46 |
| chr6       | 91005001       | 91010000     | 2.21E-62 |
| chr6       | 91006001       | 91011000     | 1.14E-40 |
| chr6       | 91033001       | 91038000     | 2.41E-08 |
| chr6       | 91034001       | 91039000     | 1.97E-09 |
| chr6       | 91035001       | 91040000     | 1.22E-10 |
| chr6       | 91036001       | 91041000     | 1.80E-11 |
| chr6       | 91072001       | 91077000     | 1.26E-09 |
| chr6       | 91073001       | 91078000     | 6.04E-09 |
| chr6       | 91075001       | 91080000     | 7.13E-05 |
| chr6       | 91083001       | 91088000     | 7.45E-08 |
| chr6       | 91088001       | 91093000     | 0.000908179 |
| chr6       | 91089001       | 91094000     | 0.000291743 |
| chr6       | 91292001       | 91297000     | 9.92E-27 |
| chr6       | 91307001       | 91312000     | 2.15E-06 |
| chr6       | 91321001       | 91326000     | 7.50E-23 |
| chr6       | 91322001       | 91327000     | 1.21E-05 |
| chr6       | 91324001       | 91329000     | 0.00138307 |
| chr6       | 91329001       | 91334000     | 3.34E-09 |
| chr6       | 91409001       | 91414000     | 0.000191128 |
| chr6       | 91410001       | 91415000     | 0.000224923 |
| chr6       | 91412001       | 91417000     | 4.91E-06 |
| chr6       | 91413001       | 91418000     | 2.75E-06 |
| chr6       | 91453001       | 91458000     | 7.87E-08 |
| chr6       | 91454001       | 91459000     | 1.50E-06 |
| chr6       | 91501001       | 91506000     | 3.87E-05 |
| chr6       | 91502001       | 91507000     | 9.26E-08 |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr6       | 91503001 | 91508000 | 6.26E-08  |
| chr6       | 91522001 | 91527000 | 5.33E-07  |
| chr6       | 91523001 | 91528000 | 8.94E-07  |
| chr6       | 91524001 | 91529000 | 4.45E-07  |
| chr6       | 91534001 | 91539000 | 5.14E-07  |
| chr6       | 91535001 | 91540000 | 1.79E-07  |
| chr6       | 91536001 | 91541000 | 3.48E-07  |
| chr6       | 91537001 | 91542000 | 4.79E-08  |
| chr6       | 91538001 | 91543000 | 1.94E-07  |
| chr6       | 91551001 | 91556000 | 4.47E-06  |
| chr6       | 91552001 | 91557000 | 4.72E-07  |
| chr6       | 91589001 | 91594000 | 9.54E-07  |
| chr6       | 91590001 | 91595000 | 4.07E-08  |
| chr6       | 91597001 | 91602000 | 1.10E-09  |
| chr6       | 91633001 | 91638000 | 0.002059678 |
| chr6       | 91634001 | 91639000 | 0.006873742 |
| chr6       | 91635001 | 91640000 | 0.002184686 |
| chr6       | 91636001 | 91641000 | 0.002316491 |
| chr6       | 91677001 | 91682000 | 0.004328289 |
| chr6       | 91678001 | 91683000 | 0.001718522 |
| chr6       | 91679001 | 91684000 | 0.000136981 |
| chr6       | 91844001 | 91849000 | 3.28E-05  |
| chr6       | 91845001 | 91850000 | 1.40E-05  |
| chr6       | 91887001 | 91892000 | 0.001306088 |
| chr6       | 91888001 | 91893000 | 0.002000033 |
| chr6       | 91889001 | 91894000 | 0.010820188 |
| chr6       | 91929001 | 91934000 | 9.42E-05  |
| chr6       | 91930001 | 91935000 | 0.002165601 |
| chr6       | 91931001 | 91936000 | 0.003553618 |
| chr6       | 91954001 | 91959000 | 0.002934462 |
| chr6       | 92037001 | 92042000 | 9.68E-06  |
| chr6       | 92067001 | 92072000 | 0.000458186 |
| chr6       | 92104001 | 92109000 | 0.004035951 |
| chr6       | 92108001 | 92113000 | 9.02E-06  |
| chr6       | 92152001 | 92157000 | 0.001952209 |
| chr6       | 92352001 | 92357000 | 0.000205224 |
| chr6       | 92685001 | 92690000 | 1.33E-05  |
| chr6       | 92736001 | 92741000 | 0.00139964 |
| chr6       | 92737001 | 92742000 | 8.98E-07  |
| chr6       | 92853001 | 92858000 | 0.030012111 |
| chr6       | 92895001 | 92900000 | 0.002911428 |
| chr6       | 93033001 | 93038000 | 0.006265181 |
| chr6       | 93034001 | 93039000 | 0.007259129 |
| chr6       | 93516001 | 93521000 | 0.003309994 |
| chr6       | 93517001 | 93522000 | 0.002722128 |
| chr6       | 93518001 | 93523000 | 0.00509168 |
| chr6       | 93526001 | 93531000 | 0.012451999 |
| chr6       | 94122001 | 94127000 | 7.50E-48  |
| Chromosome | Start Base | End Base | p-value |
|------------|------------|----------|---------|
| chr6       | 94123001   | 94128000 | 1.20E-38 |
| chr6       | 94186001   | 94191000 | 4.37E-05 |
| chr6       | 94199001   | 94204000 | 0.000349569 |
| chr6       | 94200001   | 94205000 | 0.000190641 |
| chr6       | 94201001   | 94206000 | 0.000229284 |
| chr6       | 94202001   | 94207000 | 0.000321131 |
| chr6       | 94203001   | 94208000 | 0.000207274 |
| chr6       | 94566001   | 94571000 | 0.000377445 |
| chr6       | 94736001   | 94741000 | 0.001260743 |
| chr6       | 94737001   | 94742000 | 2.63E-08 |
| chr6       | 94738001   | 94743000 | 1.14E-05 |
| chr6       | 94739001   | 94744000 | 0.000162362 |
| chr6       | 95060001   | 95065000 | 0.00190641 |
| chr6       | 95443001   | 95448000 | 5.57E-06 |
| chr6       | 95494001   | 95499000 | 5.59E-07 |
| chr6       | 95594001   | 95599000 | 0.01474071 |
| chr6       | 95848001   | 95853000 | 0.004209019 |
| chr6       | 95865001   | 95870000 | 1.87E-05 |
| chr6       | 95866001   | 95871000 | 0.000597508 |
| chr6       | 95867001   | 95872000 | 0.000308974 |
| chr6       | 95868001   | 95873000 | 0.002124381 |
| chr6       | 95902001   | 95907000 | 3.62E-08 |
| chr6       | 95910001   | 95915000 | 0.00260737 |
| chr6       | 95911001   | 95916000 | 3.33E-05 |
| chr6       | 95949001   | 95954000 | 0.018999519 |
| chr6       | 96000001   | 96005000 | 1.13E-05 |
| chr6       | 96001001   | 96006000 | 1.65E-07 |
| chr6       | 96002001   | 96007000 | 4.44E-08 |
| chr6       | 96003001   | 96008000 | 4.55E-07 |
| chr6       | 96025001   | 96030000 | 1.44E-22 |
| chr6       | 96026001   | 96031000 | 9.23E-12 |
| chr6       | 96068001   | 96073000 | 0.006972411 |
| chr6       | 96157001   | 96162000 | 5.39E-05 |
| chr6       | 96225001   | 96230000 | 0.000199858 |
| chr6       | 96234001   | 96239000 | 5.91E-07 |
| chr6       | 96235001   | 96240000 | 1.28E-05 |
| chr6       | 96317001   | 96322000 | 0.027090221 |
| chr6       | 96460001   | 96465000 | 1.08E-24 |
| chr6       | 96461001   | 96466000 | 1.45E-23 |
| chr6       | 96463001   | 96468000 | 2.89E-33 |
| chr6       | 96464001   | 96469000 | 1.29E-21 |
| chr6       | 96657001   | 96662000 | 0.003059754 |
| chr6       | 96753001   | 96758000 | 0.000179302 |
| chr6       | 96754001   | 96759000 | 0.000352694 |
| chr6       | 96808001   | 96813000 | 0.000890445 |
| chr6       | 96809001   | 96814000 | 0.005982827 |
| chr6       | 96845001   | 96850000 | 0.02012928 |
| chr6       | 96965001   | 96970000 | 3.23E-44 |
| Chr 6 | Start    | End      | p-value         |
|-------|----------|----------|-----------------|
| chr6  | 96966001 | 96971000 | 1.38E-45        |
| chr6  | 96968001 | 96973000 | 1.56E-53        |
| chr6  | 96969001 | 96974000 | 5.62E-68        |
| chr6  | 97138001 | 97143000 | 2.36E-09        |
| chr6  | 97140001 | 97145000 | 4.35E-08        |
| chr6  | 97141001 | 97146000 | 1.14E-09        |
| chr6  | 97197001 | 97202000 | 0.001178452     |
| chr6  | 97280001 | 97285000 | 3.19E-47        |
| chr6  | 97281001 | 97286000 | 1.35E-31        |
| chr6  | 97283001 | 97288000 | 1.64E-37        |
| chr6  | 97285001 | 97290000 | 1.76E-31        |
| chr6  | 97341001 | 97346000 | 2.00E-49        |
| chr6  | 97368001 | 97373000 | 7.32E-23        |
| chr6  | 97369001 | 97374000 | 4.23E-32        |
| chr6  | 97370001 | 97375000 | 4.39E-30        |
| chr6  | 97371001 | 97376000 | 9.71E-24        |
| chr6  | 97372001 | 97377000 | 5.05E-26        |
| chr6  | 97434001 | 97439000 | 4.93E-07        |
| chr6  | 97618001 | 97623000 | 0.001657145     |
| chr6  | 97728001 | 97733000 | 1.76E-24        |
| chr6  | 97729001 | 97734000 | 5.15E-38        |
| chr6  | 97730001 | 97735000 | 2.26E-28        |
| chr6  | 97731001 | 97736000 | 8.75E-14        |
| chr6  | 97751001 | 97756000 | 8.05E-07        |
| chr6  | 97753001 | 97758000 | 2.33E-09        |
| chr6  | 97897001 | 97902000 | 4.84E-05        |
| chr6  | 97899001 | 97904000 | 0.000196446     |
| chr6  | 98348001 | 98353000 | 0.001233673     |
| chr6  | 98633001 | 98638000 | 0.001673887     |
| chr6  | 98647001 | 98652000 | 0.000432694     |
| chr6  | 98648001 | 98653000 | 0.000829353     |
| chr6  | 98649001 | 98654000 | 0.000169167     |
| chr6  | 98650001 | 98655000 | 0.00254932      |
| chr6  | 98751001 | 98756000 | 0.000431377     |
| chr6  | 98752001 | 98757000 | 0.003814472     |
| chr6  | 99044001 | 99049000 | 0.002111626     |
| chr6  | 99053001 | 99058000 | 2.53E-11        |
| chr6  | 99054001 | 99059000 | 6.00E-08        |
| chr6  | 99058001 | 99063000 | 4.26E-06        |
| chr6  | 99059001 | 99064000 | 1.68E-07        |
| chr6  | 99060001 | 99065000 | 2.72E-08        |
| chr6  | 99061001 | 99066000 | 0.000119028     |
| chr6  | 99062001 | 99067000 | 0.000195405     |
| chr6  | 99132001 | 99137000 | 0.00532033      |
| chr6  | 99134001 | 99139000 | 0.002584025     |
| chr6  | 99135001 | 99140000 | 0.002843288     |
| chr6 | Start | End   | e-value  |
|------|-------|-------|----------|
| 99159001 | 99164000 | 0.000671769 |
| 99160001 | 99165000 | 3.41E-09  |
| 99207001 | 99212000 | 1.20E-06  |
| 99208001 | 99213000 | 6.78E-05  |
| 99209001 | 99214000 | 9.22E-06  |
| 99210001 | 99215000 | 1.98E-05  |
| 99211001 | 99216000 | 0.004685047  |
| 99391001 | 99396000 | 9.39E-19  |
| 99462001 | 99467000 | 1.60E-13  |
| 99554001 | 99559000 | 0.000166656  |
| 99555001 | 99560000 | 0.00483086  |
| 99842001 | 99847000 | 9.04E-13  |
| 99958001 | 99963000 | 4.52E-14  |
| 99959001 | 99964000 | 8.11E-27  |
| 99960001 | 99965000 | 1.43E-41  |
| 99961001 | 99966000 | 1.52E-31  |
| 99963001 | 99968000 | 6.26E-28  |
| 100011001 | 100016000 | 2.50E-11  |
| 100020001 | 100025000 | 0.000109808  |
| 100021001 | 100026000 | 0.00029546  |
| 100022001 | 100027000 | 5.85E-05  |
| 100023001 | 100028000 | 0.000215418  |
| 100024001 | 100029000 | 5.69E-05  |
| 100032001 | 100037000 | 3.23E-20  |
| 100033001 | 100038000 | 7.92E-26  |
| 1000166001 | 100171000 | 0.000157817  |
| 1000167001 | 100172000 | 0.000314506  |
| 1000168001 | 100173000 | 0.000419492  |
| 100022001 | 100027000 | 0.004864469  |
| 1000409001 | 1000414000 | 0.000681146  |
| 1000410001 | 1000415000 | 0.002426537  |
| 1000413001 | 1000418000 | 0.000819584  |
| 1000677001 | 1000682000 | 2.87E-13  |
| 1001326001 | 1001331000 | 7.59E-34  |
| 1001329001 | 1001334000 | 4.59E-37  |
| 1002232001 | 1002237000 | 0.002554738  |
| 1002462001 | 1002467000 | 2.37E-06  |
| 1002463001 | 1002468000 | 1.32E-06  |
| 1003216001 | 1003221000 | 0.002519487  |
| 1003217001 | 1003222000 | 4.11E-06  |
| 1003603001 | 1003608000 | 2.19E-07  |
| 1003618001 | 1003623000 | 0.021450908  |
| 1003821001 | 1003826000 | 9.92E-07  |
| 1004751001 | 1004756000 | 0.000209073  |
| 1004763001 | 1004768000 | 0.002641919  |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr6       | 104781001      | 104786000    | 8.77E-08 |
| chr6       | 10504001       | 105045000    | 0.00101076 |
| chr6       | 105303001      | 105308000    | 2.42E-37 |
| chr6       | 105304001      | 105309000    | 7.69E-34 |
| chr6       | 105305001      | 105310000    | 2.30E-30 |
| chr6       | 105306001      | 105311000    | 1.62E-39 |
| chr6       | 105307001      | 105312000    | 1.41E-19 |
| chr6       | 105580001      | 105585000    | 2.47E-25 |
| chr6       | 105581001      | 105586000    | 5.94E-36 |
| chr6       | 105582001      | 105587000    | 1.53E-40 |
| chr6       | 105583001      | 105588000    | 2.01E-35 |
| chr6       | 105584001      | 105589000    | 1.51E-38 |
| chr6       | 105585001      | 105590000    | 1.45E-31 |
| chr6       | 105623001      | 105628000    | 5.62E-74 |
| chr6       | 105624001      | 105629000    | 2.93E-79 |
| chr6       | 105625001      | 105630000    | 8.37E-42 |
| chr6       | 105626001      | 105631000    | 1.37E-30 |
| chr6       | 105627001      | 105632000    | 1.71E-37 |
| chr6       | 105628001      | 105633000    | 2.04E-12 |
| chr6       | 105851001      | 105856000    | 4.97E-31 |
| chr6       | 106022001      | 106027000    | 0.027460374 |
| chr6       | 106023001      | 106028000    | 0.00202943 |
| chr6       | 106024001      | 106029000    | 0.001507289 |
| chr6       | 106159001      | 106164000    | 0.000129481 |
| chr6       | 10674001       | 106790000    | 0.000810177 |
| chr6       | 106769001      | 106774000    | 2.44E-11 |
| chr6       | 106770001      | 106775000    | 1.05E-15 |
| chr6       | 106771001      | 106776000    | 1.44E-15 |
| chr6       | 106772001      | 106777000    | 9.27E-21 |
| chr6       | 106773001      | 106778000    | 1.03E-22 |
| chr6       | 106804001      | 106809000    | 9.62E-33 |
| chr6       | 106805001      | 106810000    | 3.00E-26 |
| chr6       | 106806001      | 106811000    | 9.17E-42 |
| chr6       | 106807001      | 106812000    | 5.77E-46 |
| chr6       | 106808001      | 106813000    | 9.64E-49 |
| chr6       | 107077001      | 107082000    | 9.68E-47 |
| chr6       | 107079001      | 107084000    | 1.42E-11 |
| chr6       | 107432001      | 107437000    | 2.96E-16 |
| chr6       | 107776001      | 107781000    | 4.07E-24 |
| chr6       | 107777001      | 107782000    | 2.06E-37 |
| chr6       | 107778001      | 107783000    | 4.50E-37 |
| chr6       | 107779001      | 107784000    | 2.25E-38 |
| chr6       | 107780001      | 107785000    | 1.20E-37 |
| chr6       | 107781001      | 107786000    | 7.01E-31 |
| chr6       | 107782001      | 107787000    | 0.001971842 |
| chr6       | 107783001      | 107788000    | 0.00732179 |
| chr6       | 107815001      | 107820000    | 1.29E-05 |
| chr6       | 108190001      | 108195000    | 1.82E-07 |
| Chr | Start | End  | Score   |
|-----|-------|------|---------|
| chr6| 108391001 | 108396000 | 4.04E-38 |
| chr6| 108392001 | 108397000 | 9.38E-20 |
| chr6| 108393001 | 108398000 | 1.13E-28 |
| chr6| 108394001 | 108399000 | 7.34E-23 |
| chr6| 108430001 | 108435000 | 3.96E-08 |
| chr6| 108578001 | 108583000 | 4.25E-18 |
| chr6| 108580001 | 108585000 | 2.41E-17 |
| chr6| 108614001 | 108619000 | 2.09E-09 |
| chr6| 108615001 | 108620000 | 1.84E-11 |
| chr6| 108616001 | 108621000 | 2.05E-16 |
| chr6| 109411001 | 109416000 | 2.61E-33 |
| chr6| 109502001 | 109507000 | 3.60E-05 |
| chr6| 109503001 | 109508000 | 1.42E-06 |
| chr6| 109757001 | 109762000 | 8.87E-43 |
| chr6| 109758001 | 109763000 | 2.53E-42 |
| chr6| 109759001 | 109764000 | 1.10E-32 |
| chr6| 109762001 | 109767000 | 9.45E-09 |
| chr6| 109800001 | 109805000 | 5.34E-24 |
| chr6| 109801001 | 109806000 | 9.73E-15 |
| chr6| 109802001 | 109807000 | 1.58E-13 |
| chr6| 109803001 | 109808000 | 5.31E-17 |
| chr6| 109804001 | 109809000 | 1.07E-44 |
| chr6| 109915001 | 109920000 | 3.03E-09 |
| chr6| 109976001 | 109981000 | 0.002488958 |
| chr6| 109977001 | 109982000 | 0.001495685 |
| chr6| 110005001 | 110010000 | 4.33E-07 |
| chr6| 110012001 | 110017000 | 8.80E-39 |
| chr6| 110273001 | 110278000 | 0.002467949 |
| chr6| 110496001 | 110501000 | 2.23E-67 |
| chr6| 110497001 | 110502000 | 3.77E-53 |
| chr6| 110500001 | 110505000 | 1.22E-35 |
| chr6| 110501001 | 110506000 | 2.24E-21 |
| chr6| 110614001 | 110619000 | 0.000238 |
| chr6| 110615001 | 110620000 | 0.000629459 |
| chr6| 110616001 | 110664000 | 1.55E-27 |
| chr6| 111132001 | 111137000 | 2.78E-18 |
| chr6| 111275001 | 111280000 | 5.21E-10 |
| chr6| 111276001 | 111281000 | 2.14E-06 |
| chr6| 111277001 | 111282000 | 2.48E-05 |
| chr6| 111278001 | 111283000 | 1.38E-05 |
| chr6| 111366001 | 111371000 | 2.07E-10 |
| chr6| 111367001 | 111372000 | 1.12E-10 |
| chr6| 111404001 | 111409000 | 4.30E-29 |
| chr6| 111405001 | 111410000 | 2.99E-30 |
| chr6| 111406001 | 111411000 | 1.22E-46 |
| chr6| 111407001 | 111412000 | 6.81E-35 |
| chr6| 111408001 | 111413000 | 9.58E-30 |
| chr6| 111409001 | 111414000 | 4.08E-26 |
| Chr | Start1 | Start2 | P_value       |
|-----|--------|--------|---------------|
| chr6| 111563001 | 111568000 | 4.38E-06  |
| chr6| 111858001 | 111863000 | 2.98E-11  |
| chr6| 112090001 | 112095000 | 1.79E-13  |
| chr6| 112091001 | 112096000 | 4.46E-08  |
| chr6| 112194001 | 112199000 | 4.40E-85  |
| chr6| 112383001 | 112388000 | 0.000595907 |
| chr6| 112385001 | 112390000 | 0.000295013 |
| chr6| 112386001 | 112391000 | 0.000401483 |
| chr6| 112404001 | 112409000 | 3.68E-50  |
| chr6| 112405001 | 112410000 | 3.97E-71  |
| chr6| 112406001 | 112411000 | 1.07E-64  |
| chr6| 112407001 | 112412000 | 3.97E-56  |
| chr6| 112692001 | 112697000 | 0.00044322 |
| chr6| 112693001 | 112698000 | 0.000142376 |
| chr6| 112852001 | 112857000 | 4.94E-08  |
| chr6| 112853001 | 112858000 | 1.46E-10  |
| chr6| 112854001 | 112859000 | 1.38E-09  |
| chr6| 112855001 | 112860000 | 1.17E-08  |
| chr6| 112856001 | 112861000 | 3.84E-09  |
| chr6| 112871001 | 112876000 | 2.74E-06  |
| chr6| 112872001 | 112877000 | 4.04E-07  |
| chr6| 112873001 | 112878000 | 2.01E-08  |
| chr6| 112874001 | 112879000 | 1.43E-05  |
| chr6| 113026001 | 113031000 | 0.001817514 |
| chr6| 113027001 | 113032000 | 0.000407131 |
| chr6| 113029001 | 113034000 | 0.005073423 |
| chr6| 113059001 | 113064000 | 0.020117895 |
| chr6| 113068001 | 113073000 | 0.002912053 |
| chr6| 114179001 | 114184000 | 3.53E-07  |
| chr6| 114180001 | 114185000 | 1.34E-09  |
| chr6| 114260001 | 114265000 | 0.013595148 |
| chr6| 114287001 | 114292000 | 5.61E-21  |
| chr6| 114288001 | 114293000 | 1.31E-47  |
| chr6| 114289001 | 114294000 | 1.32E-34  |
| chr6| 114290001 | 114295000 | 6.42E-36  |
| chr6| 114372001 | 114377000 | 0.000217661 |
| chr6| 114493001 | 114498000 | 0.001188172 |
| chr6| 114523001 | 114528000 | 2.31E-05  |
| chr6| 114524001 | 114529000 | 0.00011103 |
| chr6| 114525001 | 114530000 | 0.000193104 |
| chr6| 114526001 | 114531000 | 0.002798569 |
| chr6| 114561001 | 114566000 | 7.06E-07  |
| chr6| 114562001 | 114567000 | 2.34E-07  |
| chr6| 114563001 | 114568000 | 1.60E-05  |
| chr6| 114564001 | 114569000 | 0.000249052 |
| chr6| 114625001 | 114630000 | 0.00057085 |
| chr6| 114659001 | 114664000 | 1.05E-14  |
| chr6| 114667001 | 114672000 | 8.26E-05  |
| Chromosome | Start Position | End Position | p-value  |
|------------|----------------|--------------|----------|
| chr6       | 114668001      | 114673000    | 6.46E-05 |
| chr6       | 114669001      | 114674000    | 0.006495211 |
| chr6       | 114670001      | 114675000    | 0.007229405 |
| chr6       | 114671001      | 114676000    | 0.006269509 |
| chr6       | 114790001      | 114795000    | 0.000717364 |
| chr6       | 114791001      | 114796000    | 0.000502177 |
| chr6       | 114805001      | 114810000    | 3.43E-06 |
| chr6       | 114806001      | 114811000    | 2.57E-05 |
| chr6       | 114820001      | 114825000    | 0.000107873 |
| chr6       | 114829001      | 114834000    | 3.26E-05 |
| chr6       | 114830001      | 114835000    | 1.62E-06 |
| chr6       | 114831001      | 114836000    | 3.07E-06 |
| chr6       | 114848001      | 114853000    | 2.84E-10 |
| chr6       | 114849001      | 114854000    | 1.97E-09 |
| chr6       | 114850001      | 114855000    | 4.59E-11 |
| chr6       | 114851001      | 114856000    | 2.88E-11 |
| chr6       | 114865001      | 114870000    | 2.59E-06 |
| chr6       | 114910001      | 114915000    | 7.94E-07 |
| chr6       | 114911001      | 114916000    | 1.28E-09 |
| chr6       | 114912001      | 114917000    | 2.85E-07 |
| chr6       | 114926001      | 114931000    | 0.003441094 |
| chr6       | 114946001      | 114951000    | 0.00049833 |
| chr6       | 114949001      | 114954000    | 3.52E-06 |
| chr6       | 115007001      | 115012000    | 0.003243485 |
| chr6       | 115008001      | 115013000    | 0.0018262 |
| chr6       | 115124001      | 115129000    | 8.58E-08 |
| chr6       | 115125001      | 115130000    | 7.78E-08 |
| chr6       | 115126001      | 115131000    | 1.76E-07 |
| chr6       | 115279001      | 115284000    | 0.012833038 |
| chr6       | 115280001      | 115285000    | 0.00727415 |
| chr6       | 115413001      | 115418000    | 0.003049081 |
| chr6       | 115528001      | 115533000    | 0.005440756 |
| chr6       | 115529001      | 115534000    | 0.015527466 |
| chr6       | 115591001      | 115596000    | 0.000358572 |
| chr6       | 115592001      | 115597000    | 0.000531515 |
| chr6       | 115809001      | 115814000    | 0.00017103 |
| chr6       | 115822001      | 115827000    | 0.008812056 |
| chr6       | 115927001      | 115932000    | 0.002077196 |
| chr6       | 116422001      | 116427000    | 6.87E-41 |
| chr6       | 116522001      | 116527000    | 0.005781903 |
| chr6       | 116570001      | 116575000    | 1.58E-21 |
| chr6       | 116573001      | 116578000    | 1.03E-42 |
| chr6       | 116574001      | 116579000    | 1.71E-54 |
| chr6       | 116575001      | 116580000    | 1.04E-23 |
| chr6       | 116687001      | 116692000    | 2.05E-16 |
| chr6       | 116779001      | 116784000    | 1.69E-19 |
| chr6       | 116780001      | 116785000    | 2.27E-25 |
| chr6       | 116781001      | 116786000    | 2.11E-23 |
chr6 116782001 116787000 7.54E-21
chr6 116783001 116788000 5.81E-25
chr6 116938001 116943000 2.25E-13
chr6 116949001 116954000 9.92E-05
chr6 117326001 117331000 0.006682426
chr6 117465001 117470000 0.00126061
chr6 117466001 117471000 0.004477188
chr6 117799001 117804000 8.80E-47
chr6 117800001 117805000 1.21E-45
chr6 117801001 117806000 3.79E-46
chr6 117802001 117807000 1.78E-58
chr6 117803001 117808000 1.77E-41
chr6 117804001 117809000 4.59E-38
chr6 117811001 117816000 0.004615539
chr6 117920001 117925000 1.82E-51
chr6 117921001 117926000 2.90E-43
chr6 117924001 117929000 8.71E-13
chr6 117996001 118001000 3.66E-28
chr6 117997001 118002000 1.53E-29
chr6 118092001 118097000 2.12E-07
chr6 118093001 118098000 8.33E-09
chr6 118122001 118127000 2.45E-07
chr6 118160001 118165000 1.55E-07
chr6 118204001 118209000 0.011270776
chr6 118234001 118239000 1.38E-05
chr6 118257001 118262000 0.00893419
chr6 118440001 118445000 0.000832401
chr6 118441001 118446000 0.001479934
chr6 118575001 118580000 7.91E-05
chr6 118967001 118972000 3.05E-34
chr6 118968001 118973000 8.27E-86
chr6 118969001 118974000 2.41E-62
chr6 119211001 119216000 7.10E-52
chr6 119251001 119256000 7.63E-15
chr6 119252001 119257000 2.17E-38
chr6 119253001 119258000 1.09E-25
chr6 119254001 119259000 3.88E-29
chr6 119255001 119260000 2.96E-35
chr6 119256001 119261000 5.53E-34
chr6 119395001 119400000 5.85E-34
chr6 119584001 119589000 0.027903344
chr6 119817001 119822000 0.001542127
chr6 119818001 119823000 0.002625399
chr6 120247001 120252000 1.77E-05
chr6 120248001 120253000 0.00073074
chr6 120249001 120254000 0.001300999
chr6 120764001 120769000 0.005789145
chr6 120765001 120770000 0.003811924
| chr6 | 120766001 | 120771000 | 0.002847839 |
|------|-----------|-----------|-------------|
| chr6 | 120767001 | 120772000 | 0.000342594 |
| chr6 | 121019001 | 121024000 | 1.61E-22     |
| chr6 | 121020001 | 121025000 | 1.14E-23     |
| chr6 | 121021001 | 121026000 | 2.09E-21     |
| chr6 | 121176001 | 121181000 | 0.000260566  |
| chr6 | 121177001 | 121182000 | 4.22E-05     |
| chr6 | 121196001 | 121201000 | 0.000695657  |
| chr6 | 121197001 | 121202000 | 0.001156585  |
| chr6 | 121258001 | 121263000 | 0.001315047  |
| chr6 | 121299001 | 121304000 | 0.01958502   |
| chr6 | 121392001 | 121397000 | 4.31E-05     |
| chr6 | 121393001 | 121398000 | 0.000216484  |
| chr6 | 121394001 | 121399000 | 0.000428     |
| chr6 | 121651001 | 121656000 | 1.04E-23     |
| chr6 | 121652001 | 121657000 | 8.71E-25     |
| chr6 | 121653001 | 121658000 | 3.57E-31     |
| chr6 | 121654001 | 121659000 | 1.97E-39     |
| chr6 | 121655001 | 121660000 | 6.27E-33     |
| chr6 | 121918001 | 121923000 | 0.009537212  |
| chr6 | 121919001 | 121924000 | 0.007521321  |
| chr6 | 121920001 | 121925000 | 0.009637547  |
| chr6 | 122212001 | 122217000 | 0.020067908  |
| chr6 | 122488001 | 122493000 | 0.000115735  |
| chr6 | 122489001 | 122494000 | 5.63E-05     |
| chr6 | 122490001 | 122495000 | 1.23E-05     |
| chr6 | 122491001 | 122496000 | 8.14E-05     |
| chr6 | 122492001 | 122497000 | 0.000396115  |
| chr6 | 122626001 | 122631000 | 0.00047144   |
| chr6 | 122716001 | 122721000 | 1.54E-16     |
| chr6 | 122717001 | 122722000 | 1.00E-53     |
| chr6 | 122718001 | 122723000 | 1.04E-53     |
| chr6 | 122719001 | 122724000 | 6.31E-41     |
| chr6 | 122720001 | 122725000 | 1.91E-45     |
| chr6 | 122721001 | 122726000 | 9.53E-42     |
| chr6 | 122847001 | 122852000 | 7.10E-07     |
| chr6 | 122848001 | 122853000 | 2.11E-05     |
| chr6 | 122849001 | 122854000 | 9.27E-05     |
| chr6 | 123106001 | 123111000 | 6.78E-39     |
| chr6 | 123448001 | 123453000 | 0.000242496  |
| chr6 | 123518001 | 123523000 | 0.000123875  |
| chr6 | 125073001 | 125078000 | 2.04E-05     |
| chr6 | 125416001 | 125421000 | 2.59E-37     |
| chr6 | 125475001 | 125480000 | 2.96E-20     |
| chr6 | 125515001 | 125520000 | 4.28E-07     |
| chr6 | 125565001 | 125570000 | 8.01E-07     |
| chr6 | 125618001 | 125623000 | 2.70E-57     |
| chr6 | 125619001 | 125624000 | 2.72E-46     |
| Chr | Start | End   | Score  |
|-----|-------|-------|--------|
| chr6| 125620001 | 125625000 | 3.12E-34 |
| chr6| 125621001 | 125626000 | 2.78E-45 |
| chr6| 125622001 | 125627000 | 6.88E-32 |
| chr6| 125669001 | 125674000 | 0.00139876 |
| chr6| 125670001 | 125675000 | 0.005137448 |
| chr6| 125680001 | 125685000 | 0.000139876 |
| chr6| 125681001 | 125686000 | 7.06E-05 |
| chr6| 126107001 | 126112000 | 0.005137448 |
| chr6| 126112001 | 126117000 | 8.19E-29 |
| chr6| 126462001 | 126467000 | 1.10E-11 |
| chr6| 126860001 | 126865000 | 8.01E-05 |
| chr6| 127031001 | 127036000 | 0.000891999 |
| chr6| 127032001 | 127037000 | 0.001997085 |
| chr6| 127033001 | 127038000 | 0.005980631 |
| chr6| 127111001 | 127116000 | 0.000385876 |
| chr6| 127112001 | 127117000 | 5.05E-05 |
| chr6| 127113001 | 127118000 | 4.70E-05 |
| chr6| 127114001 | 127119000 | 0.000129698 |
| chr6| 127138001 | 127143000 | 0.002305172 |
| chr6| 127189001 | 127194000 | 0.000136268 |
| chr6| 127369001 | 127374000 | 2.70E-05 |
| chr6| 127435001 | 127440000 | 2.50E-33 |
| chr6| 127436001 | 127441000 | 8.52E-44 |
| chr6| 127437001 | 127442000 | 1.54E-42 |
| chr6| 127441001 | 127446000 | 1.40E-28 |
| chr6| 127482001 | 127487000 | 0.009749928 |
| chr6| 127515001 | 127520000 | 0.006952856 |
| chr6| 127580001 | 127585000 | 0.000168154 |
| chr6| 127583001 | 127588000 | 2.74E-28 |
| chr6| 127660001 | 127665000 | 2.17E-25 |
| chr6| 127986001 | 127991000 | 6.18E-05 |
| chr6| 128460001 | 128465000 | 0.013855094 |
| chr6| 128842001 | 128847000 | 6.36E-14 |
| chr6| 128920001 | 128925000 | 1.41E-05 |
| chr6| 128995001 | 129000000 | 0.00355067 |
| chr6| 129130001 | 129135000 | 0.000331279 |
| chr6| 129131001 | 129136000 | 0.000580018 |
| chr6| 129143001 | 129148000 | 0.000362306 |
| chr6| 129324001 | 129329000 | 4.95E-05 |
| chr6| 129325001 | 129330000 | 7.91E-06 |
| chr6| 129326001 | 129331000 | 1.29E-06 |
| chr6| 129327001 | 129332000 | 3.76E-07 |
| chr6| 129328001 | 129333000 | 3.27E-05 |
| chr6| 129360001 | 129365000 | 0.004299411 |
| chr6 | 129581001 | 129586000 | 0.000197759 |
|------|-----------|-----------|--------------|
| chr6 | 129582001 | 129587000 | 0.000361789  |
| chr6 | 129671001 | 129676000 | 2.01E-06     |
| chr6 | 129672001 | 129677000 | 1.03E-06     |
| chr6 | 129703001 | 129708000 | 0.000334376  |
| chr6 | 129704001 | 129709000 | 0.000417647  |
| chr6 | 129778001 | 129783000 | 7.68E-05     |
| chr6 | 129779001 | 129784000 | 0.000390843  |
| chr6 | 129870001 | 129875000 | 3.26E-05     |
| chr6 | 130088001 | 130093000 | 9.98E-35     |
| chr6 | 130089001 | 130094000 | 6.39E-33     |
| chr6 | 130158001 | 130163000 | 2.18E-11     |
| chr6 | 130204001 | 130209000 | 3.95E-05     |
| chr6 | 130241001 | 130246000 | 4.13E-43     |
| chr6 | 130533001 | 130538000 | 0.000461924  |
| chr6 | 130534001 | 130539000 | 0.00013014   |
| chr6 | 130714001 | 130719000 | 3.26E-05     |
| chr6 | 130715001 | 130720000 | 1.76E-05     |
| chr6 | 130779001 | 130784000 | 3.54E-05     |
| chr6 | 130850001 | 130855000 | 6.60E-05     |
| chr6 | 131140001 | 131145000 | 1.36E-05     |
| chr6 | 131230001 | 131235000 | 7.52E-10     |
| chr6 | 131244001 | 131249000 | 5.16E-09     |
| chr6 | 131298001 | 131303000 | 8.04E-05     |
| chr6 | 131299001 | 131304000 | 0.003140901  |
| chr6 | 131300001 | 131305000 | 1.31E-09     |
| chr6 | 131309001 | 131314000 | 7.81E-11     |
| chr6 | 131310001 | 131315000 | 1.36E-09     |
| chr6 | 131339001 | 131344000 | 2.58E-05     |
| chr6 | 131345001 | 131350000 | 1.14E-10     |
| chr6 | 131346001 | 131351000 | 1.12E-08     |
| chr6 | 131347001 | 131352000 | 3.53E-05     |
| chr6 | 131384001 | 131389000 | 4.81E-09     |
| chr6 | 131452001 | 131457000 | 9.13E-59     |
| chr6 | 131453001 | 131458000 | 1.46E-34     |
| chr6 | 131454001 | 131459000 | 1.42E-52     |
| chr6 | 131455001 | 131460000 | 1.27E-56     |
| chr6 | 131456001 | 131461000 | 4.35E-41     |
| chr6 | 132107001 | 132112000 | 1.21E-05     |
| chr6 | 132125001 | 132130000 | 1.99E-38     |
| chr6 | 132126001 | 132131000 | 1.01E-41     |
| chr6 | 132129001 | 132134000 | 2.92E-38     |
| chr6 | 132407001 | 132412000 | 0.002187879  |
| chr6 | 132408001 | 132413000 | 0.003257792  |
| chr6 | 132409001 | 132414000 | 0.004300176  |
| Chr  | Start   | End     | p-value |
|------|---------|---------|---------|
| chr6 | 132718001 | 132723000 | 2.13E-42 |
| chr6 | 132719001 | 132724000 | 4.65E-33 |
| chr6 | 132721001 | 132726000 | 1.41E-35 |
| chr6 | 132722001 | 132727000 | 5.64E-20 |
| chr6 | 132834001 | 132839000 | 8.50E-19 |
| chr6 | 132865001 | 132870000 | 7.91E-09 |
| chr6 | 132866001 | 132871000 | 4.28E-09 |
| chr6 | 133245001 | 133250000 | 0.002941252 |
| chr6 | 133410001 | 133415000 | 6.21E-05 |
| chr6 | 133431001 | 133436000 | 4.83E-08 |
| chr6 | 133478001 | 133483000 | 0.00036987 |
| chr6 | 133480001 | 133485000 | 0.001162862 |
| chr6 | 133483001 | 133488000 | 2.01E-07 |
| chr6 | 133484001 | 133489000 | 1.28E-10 |
| chr6 | 133485001 | 133490000 | 1.32E-06 |
| chr6 | 133620001 | 133625000 | 1.83E-06 |
| chr6 | 134155001 | 134160000 | 1.36E-28 |
| chr6 | 134156001 | 134161000 | 6.12E-34 |
| chr6 | 134157001 | 134162000 | 3.44E-30 |
| chr6 | 134158001 | 134163000 | 4.77E-33 |
| chr6 | 134159001 | 134164000 | 5.75E-29 |
| chr6 | 134304001 | 134309000 | 0.000785879 |
| chr6 | 134303001 | 134308000 | 0.001162862 |
| chr6 | 135084001 | 135089000 | 0.003120506 |
| chr6 | 135498001 | 135503000 | 8.31E-29 |
| chr6 | 135503001 | 135508000 | 1.07E-25 |
| chr6 | 135504001 | 135509000 | 1.50E-24 |
| chr6 | 135814001 | 135819000 | 1.15E-43 |
| chr6 | 135819001 | 135824000 | 4.60E-30 |
| chr6 | 135873001 | 135878000 | 0.000265487 |
| chr6 | 135874001 | 135879000 | 0.000946972 |
| chr6 | 136567001 | 136572000 | 1.71E-39 |
| chr6 | 136866001 | 136871000 | 3.54E-20 |
| chr6 | 136867001 | 136872000 | 1.80E-82 |
| chr6 | 136868001 | 136873000 | 1.25E-46 |
| chr6 | 136869001 | 136874000 | 1.23E-75 |
| chr6 | 136870001 | 136875000 | 2.10E-75 |
| chr6 | 136871001 | 136876000 | 8.61E-64 |
| chr6 | 137112001 | 137117000 | 3.62E-36 |
| chr6 | 137113001 | 137118000 | 2.58E-73 |
| chr6 | 137114001 | 137119000 | 2.28E-25 |
| chr6 | 137139001 | 137144000 | 5.37E-38 |
| chr6 | 137141001 | 137146000 | 2.50E-19 |
| chr6 | start  | end    | p-value  |
|------|--------|--------|----------|
| chr6 | 137142001 | 137147000 | 3.25E-24 |
| chr6 | 137144001 | 137149000 | 1.02E-16 |
| chr6 | 137212001 | 137217000 | 2.13E-12 |
| chr6 | 137214001 | 137219000 | 3.03E-15 |
| chr6 | 137215001 | 137220000 | 1.90E-14 |
| chr6 | 137238001 | 137243000 | 4.72E-24 |
| chr6 | 137242001 | 137247000 | 1.48E-08 |
| chr6 | 137361001 | 137366000 | 9.74E-33 |
| chr6 | 137427001 | 137432000 | 0.0031101923 |
| chr6 | 137442001 | 137447000 | 4.55E-06 |
| chr6 | 137443001 | 137448000 | 2.71E-06 |
| chr6 | 137448001 | 137453000 | 1.66E-06 |
| chr6 | 137728001 | 137733000 | 0.002867376 |
| chr6 | 138184001 | 138189000 | 2.83E-20 |
| chr6 | 138255001 | 138260000 | 0.001983272 |
| chr6 | 138478001 | 138483000 | 8.05E-33 |
| chr6 | 138479001 | 138484000 | 8.69E-31 |
| chr6 | 138480001 | 138485000 | 5.53E-47 |
| chr6 | 138481001 | 138486000 | 8.58E-54 |
| chr6 | 138482001 | 138487000 | 5.79E-56 |
| chr6 | 138483001 | 138488000 | 7.21E-68 |
| chr6 | 138720001 | 138725000 | 8.70E-29 |
| chr6 | 138721001 | 138726000 | 5.46E-46 |
| chr6 | 138722001 | 138727000 | 3.72E-30 |
| chr6 | 138723001 | 138728000 | 1.10E-19 |
| chr6 | 138725001 | 138730000 | 1.20E-49 |
| chr6 | 139090001 | 139014000 | 4.04E-41 |
| chr6 | 139306001 | 139311000 | 2.91E-48 |
| chr6 | 139309001 | 139314000 | 2.19E-18 |
| chr6 | 139345001 | 139350000 | 1.93E-22 |
| chr6 | 139346001 | 139351000 | 2.67E-69 |
| chr6 | 139452001 | 139457000 | 1.52E-27 |
| chr6 | 139455001 | 139460000 | 6.76E-31 |
| chr6 | 139456001 | 139461000 | 1.90E-79 |
| chr6 | 139457001 | 139462000 | 4.94E-32 |
| chr6 | 139695001 | 139700000 | 9.89E-33 |
| chr6 | 139696001 | 139701000 | 5.06E-26 |
| chr6 | 140208001 | 140213000 | 0.0007171 |
| chr6 | 141405001 | 141410000 | 0.000548669 |
| chr6 | 142093001 | 142098000 | 6.77E-05 |
| chr6 | 142125001 | 142130000 | 5.28E-05 |
| chr6 | 142126001 | 142131000 | 0.000564215 |
| chr6 | 142127001 | 142132000 | 0.001386758 |
| chr6 | 142128001 | 142133000 | 0.016599808 |
| chr6 | 142215001 | 142220000 | 2.44E-06 |
| chr6 | 142216001 | 142221000 | 2.00E-05 |
| chr6 | 142217001 | 142222000 | 0.000473663 |
| chr6 | 142447001 | 142452000 | 2.27E-07 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr6       | 142618001      | 142623000    | 9.01E-54 |
| chr6       | 142621001      | 142626000    | 1.12E-102 |
| chr6       | 142622001      | 142627000    | 8.00E-104 |
| chr6       | 142623001      | 142628000    | 3.66E-78  |
| chr6       | 142624001      | 142629000    | 2.11E-09  |
| chr6       | 142625001      | 142630000    | 6.19E-05  |
| chr6       | 143019001      | 143024000    | 7.80E-06  |
| chr6       | 143021001      | 143026000    | 4.27E-69  |
| chr6       | 143110001      | 143115000    | 0.007515788 |
| chr6       | 143118001      | 143123000    | 7.80E-06  |
| chr6       | 143145001      | 143150000    | 2.64E-15  |
| chr6       | 143147001      | 143152000    | 9.57E-13  |
| chr6       | 143148001      | 143153000    | 1.01E-09  |
| chr6       | 143162001      | 143167000    | 1.26E-08  |
| chr6       | 143170001      | 143175000    | 0.000163513 |
| chr6       | 143243001      | 143248000    | 9.70E-25  |
| chr6       | 143244001      | 143249000    | 3.56E-51  |
| chr6       | 143245001      | 143250000    | 3.35E-48  |
| chr6       | 143261001      | 143266000    | 1.65E-26  |
| chr6       | 143262001      | 143267000    | 1.06E-53  |
| chr6       | 143267001      | 143272000    | 3.25E-22  |
| chr6       | 143268001      | 143273000    | 8.44E-20  |
| chr6       | 143284001      | 143289000    | 1.92E-05  |
| chr6       | 143285001      | 143290000    | 0.000309765 |
| chr6       | 143287001      | 143292000    | 7.53E-09  |
| chr6       | 143288001      | 143293000    | 6.76E-10  |
| chr6       | 143289001      | 143294000    | 3.78E-07  |
| chr6       | 143290001      | 143295000    | 2.11E-07  |
| chr6       | 143291001      | 143296000    | 6.89E-05  |
| chr6       | 143330001      | 143335000    | 3.51E-07  |
| chr6       | 143381001      | 143386000    | 1.85E-26  |
| chr6       | 143382001      | 143387000    | 1.16E-20  |
| chr6       | 143468001      | 143473000    | 1.57E-07  |
| chr6       | 143501001      | 143506000    | 0.000568661 |
| chr6       | 143537001      | 143542000    | 1.50E-17  |
| chr6       | 143538001      | 143543000    | 1.17E-18  |
| chr6       | 143539001      | 143544000    | 4.62E-16  |
| chr6       | 143540001      | 143545000    | 1.58E-09  |
| chr6       | 143767001      | 143772000    | 3.48E-36  |
| chr6       | 143828001      | 143833000    | 9.84E-32  |
| chr6       | 143829001      | 143834000    | 1.96E-49  |
| chr6       | 143830001      | 143835000    | 1.10E-41  |
| chr6       | 143831001      | 143836000    | 5.56E-33  |
| chr6       | 143832001      | 143837000    | 7.35E-34  |
| chr6       | 143857001      | 143862000    | 5.31E-39  |
| chr6       | 143858001      | 143863000    | 7.36E-47  |
| chr6 |        |        |            |
|------|--------|--------|------------|
|      | 143927001 | 143932000 | 6.61E-07   |
|      | 144162001 | 144167000 | 3.15E-40   |
|      | 144163001 | 144168000 | 3.83E-42   |
|      | 144164001 | 144169000 | 3.99E-54   |
|      | 144378001 | 144383000 | 4.03E-06   |
|      | 144397001 | 144402000 | 2.63E-07   |
|      | 144414001 | 144419000 | 9.75E-42   |
|      | 144415001 | 144420000 | 7.34E-40   |
|      | 144416001 | 144421000 | 2.21E-49   |
|      | 144417001 | 144422000 | 8.36E-40   |
|      | 144449001 | 144454000 | 1.25E-05   |
|      | 144511001 | 144516000 | 3.29E-06   |
|      | 144533001 | 144538000 | 5.16E-22   |
|      | 144653001 | 144658000 | 3.93E-14   |
|      | 144654001 | 144659000 | 5.51E-16   |
|      | 144679001 | 144684000 | 7.29E-06   |
|      | 144680001 | 144685000 | 4.08E-05   |
|      | 144707001 | 144712000 | 4.65E-15   |
|      | 144708001 | 144713000 | 6.62E-14   |
|      | 144725001 | 144730000 | 5.72E-09   |
|      | 144743001 | 144748000 | 2.25E-08   |
|      | 144744001 | 144749000 | 8.41E-09   |
|      | 144764001 | 144769000 | 3.96E-08   |
|      | 144765001 | 144770000 | 1.03E-08   |
|      | 144767001 | 144772000 | 1.15E-08   |
|      | 144768001 | 144773000 | 4.11E-08   |
|      | 144821001 | 144826000 | 0.000104055|
|      | 144903001 | 144908000 | 6.90E-07   |
|      | 144904001 | 144909000 | 2.89E-06   |
|      | 145559001 | 145564000 | 1.70E-05   |
|      | 146053001 | 146058000 | 2.48E-61   |
|      | 146054001 | 146059000 | 5.11E-73   |
|      | 146055001 | 146060000 | 6.41E-79   |
|      | 146056001 | 146061000 | 1.95E-65   |
|      | 146131001 | 146136000 | 2.42E-83   |
|      | 146132001 | 146137000 | 3.86E-75   |
|      | 146133001 | 146138000 | 4.08E-69   |
|      | 146136001 | 146141000 | 1.71E-26   |
|      | 146305001 | 146310000 | 0.000189219|
|      | 146359001 | 146364000 | 1.11E-06   |
|      | 146360001 | 146365000 | 2.64E-06   |
|      | 146362001 | 146367000 | 1.74E-06   |
|      | 146391001 | 146396000 | 0.00089237  |
|      | 146530001 | 146535000 | 0.004817617|
|      | 146531001 | 146536000 | 0.003050952|
|      | 146532001 | 146537000 | 0.00346625  |
|      | 146558001 | 146563000 | 7.66E-09   |
|      | 146559001 | 146564000 | 1.05E-08   |
| Chromosome | Start Position | End Position | P-value  |
|------------|----------------|--------------|----------|
| chr6       | 146584001      | 146589000    | 1.50E-10 |
| chr6       | 146585001      | 146590000    | 4.85E-10 |
| chr6       | 146586001      | 146591000    | 6.14E-10 |
| chr6       | 146587001      | 146592000    | 3.67E-10 |
| chr6       | 146691001      | 146696000    | 0.001242446 |
| chr6       | 146692001      | 146697000    | 3.97E-05  |
| chr6       | 146751001      | 146756000    | 3.51E-13  |
| chr6       | 146752001      | 146757000    | 2.58E-11  |
| chr6       | 146753001      | 146758000    | 6.29E-20  |
| chr6       | 146754001      | 146759000    | 3.55E-25  |
| chr6       | 146755001      | 146760000    | 7.23E-21  |
| chr6       | 146843001      | 146848000    | 3.78E-06  |
| chr6       | 146844001      | 146849000    | 0.000346552 |
| chr6       | 146860001      | 146865000    | 2.81E-34  |
| chr6       | 146861001      | 146866000    | 6.38E-29  |
| chr6       | 146862001      | 146867000    | 1.26E-22  |
| chr6       | 146863001      | 146868000    | 2.33E-20  |
| chr6       | 147103001      | 147108000    | 3.21E-05  |
| chr6       | 147104001      | 147109000    | 5.04E-05  |
| chr6       | 147530001      | 147535000    | 1.20E-07  |
| chr6       | 147797001      | 147802000    | 4.13E-13  |
| chr6       | 147979001      | 147984000    | 4.01E-06  |
| chr6       | 147980001      | 147985000    | 0.000131792 |
| chr6       | 148377001      | 148382000    | 2.29E-06  |
| chr6       | 148407001      | 148412000    | 4.50E-05  |
| chr6       | 148545001      | 148550000    | 1.29E-06  |
| chr6       | 148903001      | 148908000    | 5.25E-08  |
| chr6       | 149034001      | 149039000    | 4.36E-08  |
| chr6       | 149041001      | 149046000    | 0.000112885 |
| chr6       | 149042001      | 149047000    | 6.28E-06  |
| chr6       | 149063001      | 149068000    | 1.66E-16  |
| chr6       | 149064001      | 149069000    | 2.94E-44  |
| chr6       | 149065001      | 149070000    | 7.31E-38  |
| chr6       | 149067001      | 149072000    | 5.10E-19  |
| chr6       | 149068001      | 149073000    | 2.52E-20  |
| chr6       | 149069001      | 149074000    | 8.44E-18  |
| chr6       | 149106001      | 149111000    | 1.09E-05  |
| chr6       | 149121001      | 149126000    | 1.10E-10  |
| chr6       | 149122001      | 149127000    | 3.90E-07  |
| chr6       | 149293001      | 149298000    | 3.99E-18  |
| chr6       | 149387001      | 149392000    | 8.75E-09  |
| chr6       | 149389001      | 149394000    | 4.92E-10  |
| chr6       | 149461001      | 149466000    | 3.49E-05  |
| chr6       | 149547001      | 149552000    | 4.47E-09  |
| chr6       | 149594001      | 149599000    | 4.42E-06  |
| chr6       | 149634001      | 149639000    | 4.36E-78  |
| chr6       | 149635001      | 149640000    | 4.35E-72  |
| chr6       | 150070001      | 150075000    | 1.11E-20  |
|Chr  | Start       | End       | p-value  |
|------|-------------|-----------|----------|
| chr6 | 150176001   | 150181000 | 6.98E-05 |
| chr6 | 150180001   | 150185000 | 3.92E-21 |
| chr6 | 150181001   | 150186000 | 1.07E-23 |
| chr6 | 150256001   | 150261000 | 1.01E-21 |
| chr6 | 150355001   | 150360000 | 7.17E-15 |
| chr6 | 150356001   | 150361000 | 1.75E-13 |
| chr6 | 150357001   | 150362000 | 1.53E-10 |
| chr6 | 150464001   | 150469000 | 4.10E-41 |
| chr6 | 150761001   | 150766000 | 0.00144659 |
| chr6 | 150762001   | 150767000 | 2.09E-05 |
| chr6 | 150763001   | 150768000 | 9.40E-05 |
| chr6 | 150765001   | 150770000 | 0.001117717 |
| chr6 | 150792001   | 150797000 | 3.14E-10 |
| chr6 | 150795001   | 150800000 | 3.32E-09 |
| chr6 | 150813001   | 150818000 | 1.75E-12 |
| chr6 | 150814001   | 150819000 | 7.81E-14 |
| chr6 | 150891001   | 150896000 | 2.58E-10 |
| chr6 | 150917001   | 150922000 | 1.84E-68 |
| chr6 | 150918001   | 150923000 | 3.46E-67 |
| chr6 | 150919001   | 150924000 | 7.43E-81 |
| chr6 | 150920001   | 150925000 | 1.40E-68 |
| chr6 | 150921001   | 150926000 | 4.10E-62 |
| chr6 | 150922001   | 150927000 | 5.50E-22 |
| chr6 | 150962001   | 150967000 | 0.009634878 |
| chr6 | 150964001   | 150969000 | 1.70E-05 |
| chr6 | 150965001   | 150970000 | 4.60E-05 |
| chr6 | 151182001   | 151187000 | 2.73E-28 |
| chr6 | 151183001   | 151188000 | 3.18E-68 |
| chr6 | 151557001   | 151562000 | 9.08E-25 |
| chr6 | 151558001   | 151563000 | 1.58E-20 |
| chr6 | 151559001   | 151564000 | 8.49E-34 |
| chr6 | 151560001   | 151565000 | 9.02E-39 |
| chr6 | 151561001   | 151566000 | 8.36E-47 |
| chr6 | 151562001   | 151567000 | 7.55E-31 |
| chr6 | 151645001   | 151650000 | 3.37E-15 |
| chr6 | 151707001   | 151712000 | 3.94E-48 |
| chr6 | 151708001   | 151713000 | 8.35E-44 |
| chr6 | 151859001   | 151864000 | 0.003973937 |
| chr6 | 151860001   | 151865000 | 0.004953995 |
| chr6 | 151882001   | 151887000 | 9.60E-05 |
| chr6 | 151888001   | 151893000 | 0.000219806 |
| chr6 | 152133001   | 152138000 | 0.000219806 |
| chr6 | 152134001   | 152139000 | 0.000605589 |
| chr6 | 152320001   | 152325000 | 0.003337317 |
| chr6 | 152321001   | 152326000 | 0.00477408 |
| chr6 | 152322001   | 152327000 | 0.012934796 |
| chr6 | 152677001   | 152682000 | 2.65E-08 |
| chr6 | 152932001   | 152937000 | 0.001945587 |
| Chromosome | Start | End | P-value |
|------------|-------|-----|---------|
| chr6       | 152997001 | 153002000 | 0.002808683 |
| chr6       | 153117001 | 153122000 | 0.001059884 |
| chr6       | 153299001 | 153324000 | 2.39E-35 |
| chr6       | 153324001 | 153329000 | 1.80E-25 |
| chr6       | 153447001 | 153452000 | 8.82E-60 |
| chr6       | 153519001 | 153524000 | 4.13E-23 |
| chr6       | 153588001 | 153593000 | 2.39E-35 |
| chr6       | 153642001 | 153647000 | 1.80E-25 |
| chr6       | 154028001 | 154033000 | 0.000134443 |
| chr6       | 154227001 | 154232000 | 4.48E-09 |
| chr6       | 154497001 | 154502000 | 5.71E-10 |
| chr6       | 154542001 | 154547000 | 4.32E-06 |
| chr6       | 154775001 | 154780000 | 6.27E-07 |
| chr6       | 154831001 | 154836000 | 6.62E-75 |
| chr6       | 155050001 | 155055000 | 7.47E-35 |
| chr6       | 155051001 | 155056000 | 9.35E-28 |
| chr6       | 155052001 | 155057000 | 1.03E-71 |
| chr6       | 155053001 | 155058000 | 5.70E-78 |
| chr6       | 155054001 | 155059000 | 1.29E-66 |
| chr6       | 155055001 | 155060000 | 2.31E-17 |
| chr6       | 155316001 | 155321000 | 6.98E-14 |
| chr6       | 155317001 | 155322000 | 4.05E-25 |
| chr6       | 155844001 | 155849000 | 1.83E-06 |
| chr6       | 155945001 | 155950000 | 8.47E-06 |
| chr6       | 155946001 | 155951000 | 2.04E-06 |
| chr6       | 155947001 | 155952000 | 3.76E-06 |
| chr6       | 155948001 | 155953000 | 4.54E-08 |
| chr6       | 155949001 | 155954000 | 0.000133525 |
| chr6       | 156283001 | 156288000 | 0.00335898 |
| chr6       | 156325001 | 156330000 | 0.000383508 |
| chr6       | 156557001 | 156562000 | 7.57E-06 |
| chr6       | 156558001 | 156563000 | 3.81E-06 |
| chr6       | 157343001 | 157348000 | 3.74E-28 |
| chr6       | 157691001 | 157696000 | 7.11E-22 |
| chr6       | 157692001 | 157697000 | 1.62E-23 |
| chr6       | 157693001 | 157698000 | 3.60E-12 |
| chr6       | 157694001 | 157699000 | 1.38E-18 |
| chr6       | 157695001 | 157700000 | 1.01E-33 |
| chr6       | 157740001 | 157745000 | 8.15E-76 |
| chr6       | 157741001 | 157746000 | 2.14E-77 |
| chr6       | 157742001 | 157747000 | 3.95E-60 |
| chr6       | 157743001 | 157748000 | 3.74E-28 |
| chr6       | 157797001 | 157802000 | 5.31E-74 |
| chr6       | 157798001 | 157803000 | 6.25E-80 |
| chr6       | 157800001 | 157805000 | 1.53E-59 |
| chr6       | 157801001 | 157806000 | 3.10E-97 |
| chr6       | 157802001 | 157807000 | 2.38E-71 |
| chr6       | 158240001 | 158245000 | 3.94E-86 |
| Chromosome | Start Position | End Position | Score   |
|------------|----------------|--------------|---------|
| chr6       | 158241001      | 158246000    | 5.53E-80|
| chr6       | 158242001      | 158247000    | 6.50E-45|
| chr6       | 158244001      | 158249000    | 1.18E-45|
| chr6       | 158584001      | 158589000    | 7.11E-14|
| chr6       | 158585001      | 158590000    | 6.37E-49|
| chr6       | 158586001      | 158591000    | 9.20E-37|
| chr6       | 158587001      | 158592000    | 1.59E-46|
| chr6       | 158588001      | 158593000    | 8.75E-74|
| chr6       | 158589001      | 158594000    | 1.31E-84|
| chr6       | 158649001      | 158654000    | 5.74E-45|
| chr6       | 158650001      | 158655000    | 3.91E-41|
| chr6       | 158651001      | 158656000    | 4.30E-42|
| chr6       | 158653001      | 158658000    | 6.96E-32|
| chr6       | 158977001      | 158982000    | 4.52E-46|
| chr6       | 158978001      | 158983000    | 1.07E-36|
| chr6       | 158979001      | 158984000    | 3.28E-44|
| chr6       | 158980001      | 158985000    | 3.80E-41|
| chr6       | 158981001      | 158986000    | 2.38E-54|
| chr6       | 159239001      | 159244000    | 4.90E-22|
| chr6       | 159240001      | 159245000    | 1.61E-24|
| chr6       | 159290001      | 159295000    | 3.16E-24|
| chr6       | 159291001      | 159296000    | 3.57E-29|
| chr6       | 159358001      | 159363000    | 9.51E-09|
| chr6       | 159359001      | 159364000    | 6.11E-09|
| chr6       | 159360001      | 159365000    | 2.97E-08|
| chr6       | 159507001      | 159512000    | 1.66E-06|
| chr6       | 159703001      | 159708000    | 3.06E-09|
| chr6       | 159704001      | 159709000    | 6.76E-08|
| chr6       | 159705001      | 159710000    | 3.55E-08|
| chr6       | 159706001      | 159711000    | 2.50E-09|
| chr6       | 159707001      | 159712000    | 2.00E-07|
| chr6       | 159757001      | 159762000    | 1.09E-06|
| chr6       | 159758001      | 159763000    | 1.33E-06|
| chr6       | 159764001      | 159769000    | 3.17E-06|
| chr6       | 159810001      | 159815000    | 1.70E-08|
| chr6       | 159848001      | 159853000    | 1.15E-05|
| chr6       | 159896001      | 159901000    | 5.31E-06|
| chr6       | 159937001      | 159942000    | 3.57E-05|
| chr6       | 159938001      | 159943000    | 8.37E-06|
| chr6       | 159940001      | 159945000    | 1.72E-08|
| chr6       | 159941001      | 159946000    | 5.64E-09|
| chr6       | 160380001      | 160385000    | 7.34E-08|
| chr6       | 160381001      | 160386000    | 1.32E-06|
| chr6       | 160382001      | 160387000    | 2.04E-07|
| chr6       | 160602001      | 160607000    | 1.31E-08|
| chr6       | 160635001      | 160640000    | 1.48E-09|
| chr6       | 160647001      | 160652000    | 0.000172978|
| chr6       | 160691001      | 160696000    | 1.49E-07|
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|-------------|---------|
| chr6       | 160738001      | 160743000   | 0.000613871 |
| chr6       | 160761001      | 160766000   | 2.72E-07 |
| chr6       | 160937001      | 160942000   | 3.69E-24 |
| chr6       | 160939001      | 160944000   | 1.72E-32 |
| chr6       | 160940001      | 160945000   | 1.29E-21 |
| chr6       | 160941001      | 160946000   | 5.84E-16 |
| chr6       | 160946001      | 160951000   | 1.14E-07 |
| chr6       | 160995001      | 160952000   | 1.02E-06 |
| chr6       | 160997001      | 160976000   | 2.76E-13 |
| chr6       | 160999001      | 161000000   | 4.67E-08 |
| chr6       | 1609996001     | 161001000   | 4.10E-05 |
| chr6       | 161002001      | 161027000   | 8.86E-12 |
| chr6       | 161023001      | 161028000   | 2.09E-13 |
| chr6       | 161024001      | 161029000   | 5.37E-13 |
| chr6       | 161058001      | 161063000   | 9.57E-05 |
| chr6       | 161074001      | 161079000   | 4.48E-07 |
| chr6       | 161075001      | 161080000   | 2.80E-07 |
| chr6       | 161098001      | 161095000   | 1.24E-06 |
| chr6       | 161163001      | 161168000   | 1.98E-09 |
| chr6       | 161164001      | 161169000   | 3.02E-07 |
| chr6       | 161165001      | 161170000   | 1.30E-10 |
| chr6       | 161166001      | 161171000   | 3.68E-07 |
| chr6       | 161167001      | 161172000   | 4.33E-09 |
| chr6       | 161184001      | 161189000   | 3.73E-30 |
| chr6       | 161408001      | 161413000   | 7.78E-59 |
| chr6       | 161409001      | 161414000   | 1.54E-55 |
| chr6       | 161410001      | 161415000   | 1.01E-81 |
| chr6       | 161411001      | 161416000   | 1.86E-101 |
| chr6       | 161412001      | 161417000   | 1.75E-72 |
| chr6       | 161413001      | 161418000   | 6.97E-39 |
| chr6       | 162579001      | 162584000   | 2.20E-08 |
| chr6       | 162858001      | 162863000   | 8.07E-06 |
| chr6       | 163071001      | 163076000   | 2.80E-07 |
| chr6       | 163072001      | 163077000   | 0.003955841 |
| chr6       | 163125001      | 163130000   | 8.17E-07 |
| chr6       | 163144001      | 163149000   | 5.41E-34 |
| chr6       | 163830001      | 163835000   | 3.57E-53 |
| Chr  | Start   | End     | p-value       |
|------|---------|---------|---------------|
| chr6 | 164249001 | 164254000 | 2.65E-11      |
| chr6 | 164770001 | 164775000 | 0.00126591    |
| chr6 | 164771001 | 164776000 | 0.000974887   |
| chr6 | 164772001 | 164777000 | 0.000307526   |
| chr6 | 165081001 | 165086000 | 1.30E-07      |
| chr6 | 165082001 | 165087000 | 1.92E-09      |
| chr6 | 165083001 | 165088000 | 3.06E-10      |
| chr6 | 165084001 | 165089000 | 5.26E-10      |
| chr6 | 165085001 | 165090000 | 1.34E-08      |
| chr6 | 165202001 | 165207000 | 3.08E-06      |
| chr6 | 165297001 | 165302000 | 0.000261845   |
| chr6 | 165298001 | 165303000 | 0.00097424    |
| chr6 | 165371001 | 165376000 | 9.58E-05      |
| chr6 | 165506001 | 165511000 | 3.30E-05      |
| chr6 | 165649001 | 165654000 | 6.92E-05      |
| chr6 | 165650001 | 165655000 | 4.89E-06      |
| chr6 | 165695001 | 165700000 | 0.00657556    |
| chr6 | 165698001 | 165703000 | 0.000321296   |
| chr6 | 165722001 | 165727000 | 7.52E-19      |
| chr6 | 165844001 | 165849000 | 3.24E-05      |
| chr6 | 165845001 | 165850000 | 1.47E-06      |
| chr6 | 165846001 | 165851000 | 5.50E-05      |
| chr6 | 165942001 | 165947000 | 1.92E-05      |
| chr6 | 165955001 | 165960000 | 0.000908332   |
| chr6 | 165979001 | 165984000 | 0.002827717   |
| chr6 | 166070001 | 166075000 | 2.16E-32      |
| chr6 | 166071001 | 166076000 | 2.36E-34      |
| chr6 | 166072001 | 166077000 | 1.27E-15      |
| chr6 | 166091001 | 166096000 | 2.42E-07      |
| chr6 | 166395001 | 166400000 | 2.68E-11      |
| chr6 | 166465001 | 166470000 | 5.53E-06      |
| chr6 | 166466001 | 166471000 | 0.000275497   |
| chr6 | 166521001 | 166526000 | 3.56E-06      |
| chr6 | 166627001 | 166632000 | 2.03E-08      |
| chr6 | 166699001 | 166704000 | 1.70E-07      |
| chr6 | 166791001 | 166796000 | 1.64E-35      |
| chr6 | 166947001 | 166952000 | 1.01E-20      |
| chr6 | 166970001 | 166975000 | 1.45E-15      |
| chr6 | 167407001 | 167412000 | 1.95E-30      |
| chr6 | 167408001 | 167413000 | 3.11E-50      |
| chr6 | 167412001 | 167417000 | 1.65E-80      |
| chr6 | 167413001 | 167418000 | 1.08E-46      |
| chr6 | 167801001 | 167806000 | 1.28E-11      |
| chr6 | 168076001 | 168081000 | 2.44E-25      |
| chr6 | 168077001 | 168082000 | 1.51E-20      |
| chr6 | 168078001 | 168083000 | 2.42E-17      |
| Chromosome | Start | End   | p-value   |
|------------|-------|-------|-----------|
| chr6       | 168148001 | 168153000 | 1.87E-07  |
| chr6       | 168149001 | 168154000 | 9.84E-08  |
| chr6       | 168223001 | 168228000 | 1.93E-60   |
| chr6       | 168540001 | 168545000 | 0.010935268 |
| chr6       | 168720001 | 168725000 | 7.41E-29   |
| chr6       | 168728001 | 168733000 | 2.00E-17   |
| chr6       | 168729001 | 168734000 | 3.13E-20   |
| chr6       | 168842001 | 168847000 | 2.70E-30   |
| chr6       | 168869001 | 168874000 | 2.07E-14   |
| chr6       | 168870001 | 168875000 | 3.00E-14   |
| chr6       | 168876001 | 168881000 | 1.36E-18   |
| chr6       | 168877001 | 168882000 | 6.81E-14   |
| chr6       | 168879001 | 168884000 | 1.85E-10   |
| chr6       | 168882001 | 168887000 | 1.75E-05   |
| chr6       | 168884001 | 168889000 | 8.29E-06   |
| chr6       | 169147001 | 169152000 | 0.004684231 |
| chr6       | 169171001 | 169176000 | 1.22E-06   |
| chr6       | 169174001 | 169179000 | 3.83E-08   |
| chr6       | 169207001 | 169212000 | 9.04E-10   |
| chr6       | 169219001 | 169224000 | 6.61E-12   |
| chr6       | 169280001 | 169285000 | 2.64E-31   |
| chr6       | 169463001 | 169468000 | 3.61E-06   |
| chr6       | 169609001 | 169614000 | 4.86E-16   |
| chr6       | 169676001 | 169681000 | 0.000265939 |
| chr6       | 169699001 | 169704000 | 6.40E-07   |
| chr6       | 169700001 | 169705000 | 1.66E-07   |
| chr6       | 169701001 | 169706000 | 7.02E-08   |
| chr6       | 169797001 | 169802000 | 4.33E-13   |
| chr6       | 169798001 | 169803000 | 1.41E-14   |
| chr6       | 169813001 | 169818000 | 0.00050021  |
| chr6       | 169833001 | 169838000 | 9.64E-07   |
| chr6       | 169834001 | 169839000 | 5.58E-09   |
| chr6       | 169835001 | 169840000 | 0.000329552 |
| chr6       | 169859001 | 169864000 | 1.32E-07   |
| chr6       | 169860001 | 169865000 | 0.000112673 |
| chr6       | 170101001 | 170106000 | 4.44E-77   |
| chr6       | 170102001 | 170107000 | 9.64E-88   |
| chr6       | 170103001 | 170108000 | 2.21E-11   |
| chr6       | 170125001 | 170130000 | 3.66E-26   |
| chr6       | 170147001 | 170152000 | 3.67E-65   |
| chr6       | 170148001 | 170153000 | 5.74E-67   |
| chr6       | 170149001 | 170154000 | 1.04E-72   |
| chr6       | 170150001 | 170155000 | 1.42E-102  |
| chr6       | 170151001 | 170156000 | 1.17E-97   |
| chr6       | 170152001 | 170157000 | 1.39E-58   |
| chr6       | 170186001 | 170191000 | 3.40E-16   |
| chr6       | 170611001 | 170616000 | 1.58E-60   |
| chr6       | 170612001 | 170617000 | 8.32E-50   |
| chr  | start  | end    | p-value     |
|------|--------|--------|-------------|
| chr6 | 170613001 | 170618000 | 1.55E-37  |
| chr6 | 170614001 | 170619000 | 4.96E-34  |
| chr6 | 170615001 | 170620000 | 5.13E-26  |
| chr6 | 170616001 | 170621000 | 4.60E-17  |
| chr6 | 170867001 | 170872000 | 1.54E-34  |
| chr6 | 170868001 | 170873000 | 1.48E-46  |
| chr6 | 170869001 | 170874000 | 4.16E-50  |
| chr6 | 170870001 | 170875000 | 9.93E-51  |
| chr6 | 170871001 | 170876000 | 6.50E-49  |
| chr6 | 170903001 | 170908000 | 0.000196932 |
| chr6 | 170904001 | 170909000 | 0.000264592 |
| chr6 | 170910001 | 170915000 | 6.27E-05  |
| chr6 | 170932001 | 170937000 | 0.000498521 |
| chr6 | 170933001 | 170938000 | 0.00155223 |
| chr6 | 170950001 | 170955000 | 0.000519885 |
| chr7 | 145001  | 150000  | 1.19E-52   |
| chr7 | 762001  | 767000  | 3.71E-10   |
| chr7 | 763001  | 768000  | 1.09E-10   |
| chr7 | 764001  | 769000  | 8.62E-08   |
| chr7 | 766001  | 771000  | 1.86E-08   |
| chr7 | 856001  | 861000  | 1.98E-44   |
| chr7 | 912001  | 917000  | 4.40E-47   |
| chr7 | 913001  | 918000  | 3.42E-43   |
| chr7 | 914001  | 919000  | 1.58E-18   |
| chr7 | 915001  | 920000  | 4.47E-31   |
| chr7 | 916001  | 921000  | 7.60E-19   |
| chr7 | 1408001 | 1413000 | 6.87E-07   |
| chr7 | 1609001 | 1614000 | 4.44E-21   |
| chr7 | 2277001 | 2282000 | 3.04E-19   |
| chr7 | 2490001 | 2495000 | 1.84E-06   |
| chr7 | 2491001 | 2496000 | 4.99E-06   |
| chr7 | 2594001 | 2599000 | 2.75E-09   |
| chr7 | 2596001 | 2601000 | 1.02E-11   |
| chr7 | 2597001 | 2602000 | 2.70E-48   |
| chr7 | 2598001 | 2603000 | 2.17E-69   |
| chr7 | 2599001 | 2604000 | 3.62E-31   |
| chr7 | 2879001 | 2884000 | 7.08E-37   |
| chr7 | 2880001 | 2885000 | 1.68E-19   |
| chr7 | 2881001 | 2886000 | 3.29E-17   |
| chr7 | 2882001 | 2887000 | 2.65E-12   |
| chr7 | 2883001 | 2888000 | 1.49E-15   |
| chr7 | 3336001 | 3341000 | 2.10E-29   |
| chr7 | 3337001 | 3342000 | 6.72E-41   |
| chr7 | 3340001 | 3345000 | 7.74E-45   |
| chr7 | 3341001 | 3346000 | 6.38E-46   |
| chr7 | 3364001 | 3369000 | 0.000381734 |
| chr7 | 3422001 | 3427000 | 2.58E-05   |
| chr7 | 3431001 | 3436000 | 0.005550997 |
| Chromosome | Start | End   | p-value   |
|------------|-------|-------|-----------|
| chr7       | 3432001 | 3437000 | 0.005582147 |
| chr7       | 3451001 | 3456000 | 3.48E-10  |
| chr7       | 3484001 | 3489000 | 4.16E-06  |
| chr7       | 3596001 | 3601000 | 7.67E-06  |
| chr7       | 3647001 | 3652000 | 3.99E-13  |
| chr7       | 3648001 | 3653000 | 1.33E-15  |
| chr7       | 3649001 | 3654000 | 1.31E-14  |
| chr7       | 3650001 | 3655000 | 8.00E-11  |
| chr7       | 3651001 | 3656000 | 2.11E-17  |
| chr7       | 3652001 | 3657000 | 3.47E-13  |
| chr7       | 3653001 | 3658000 | 4.36E-10  |
| chr7       | 3682001 | 3687000 | 3.95E-06  |
| chr7       | 3712001 | 3717000 | 5.91E-12  |
| chr7       | 3728001 | 3733000 | 6.14E-06  |
| chr7       | 3729001 | 3734000 | 3.80E-09  |
| chr7       | 3730001 | 3735000 | 2.41E-10  |
| chr7       | 3731001 | 3736000 | 3.09E-10  |
| chr7       | 3733001 | 3738000 | 1.75E-12  |
| chr7       | 3803001 | 3808000 | 0.000396056 |
| chr7       | 3804001 | 3809000 | 0.000470672 |
| chr7       | 3893001 | 3898000 | 8.64E-09  |
| chr7       | 4158001 | 4163000 | 7.31E-10  |
| chr7       | 5013001 | 5018000 | 1.66E-13  |
| chr7       | 5081001 | 5086000 | 8.20E-46  |
| chr7       | 5082001 | 5087000 | 4.09E-45  |
| chr7       | 5083001 | 5088000 | 3.61E-32  |
| chr7       | 5084001 | 5089000 | 5.56E-39  |
| chr7       | 5085001 | 5090000 | 3.06E-27  |
| chr7       | 5086001 | 5091000 | 6.88E-15  |
| chr7       | 5226001 | 5231000 | 3.29E-25  |
| chr7       | 5227001 | 5232000 | 6.89E-33  |
| chr7       | 5228001 | 5233000 | 1.74E-36  |
| chr7       | 5230001 | 5235000 | 8.99E-19  |
| chr7       | 5816001 | 5821000 | 3.06E-24  |
| chr7       | 5817001 | 5822000 | 3.30E-29  |
| chr7       | 5818001 | 5823000 | 1.15E-34  |
| chr7       | 5819001 | 5824000 | 6.13E-24  |
| chr7       | 5820001 | 5825000 | 1.26E-34  |
| chr7       | 6311001 | 6316000 | 1.10E-17  |
| chr7       | 6384001 | 6389000 | 1.98E-08  |
| chr7       | 6385001 | 6390000 | 1.16E-07  |
| chr7       | 6386001 | 6391000 | 0.0001982 |
| chr7       | 6387001 | 6392000 | 2.43E-11  |
| chr7       | 6483001 | 6488000 | 2.22E-11  |
| chr7       | 6523001 | 6528000 | 2.60E-30  |
| chr7       | 6625001 | 6630000 | 2.04E-11  |
| chr7       | 6626001 | 6631000 | 5.67E-07  |
| chr7       | 6627001 | 6632000 | 5.53E-13  |
| chr7          | 6628001 | 6633000 | 9.13E-19 |
|--------------|---------|---------|----------|
| chr7          | 6629001 | 6634000 | 1.69E-17 |
| chr7          | 6675001 | 6680000 | 3.09E-08 |
| chr7          | 6765001 | 6770000 | 2.28E-30 |
| chr7          | 6766001 | 6771000 | 8.86E-30 |
| chr7          | 6767001 | 6772000 | 1.06E-13 |
| chr7          | 6768001 | 6773000 | 6.07E-36 |
| chr7          | 6769001 | 6774000 | 9.24E-44 |
| chr7          | 8004001 | 8009000 | 2.19E-47 |
| chr7          | 8301001 | 8306000 | 5.75E-73 |
| chr7          | 8302001 | 8307000 | 3.06E-54 |
| chr7          | 8855001 | 8860000 | 6.47E-05 |
| chr7          | 8856001 | 8861000 | 0.001432420 |
| chr7          | 8868001 | 8873000 | 4.23E-11 |
| chr7          | 8869001 | 8874000 | 1.07E-06 |
| chr7          | 9086001 | 9091000 | 0.000255959 |
| chr7          | 9119001 | 9124000 | 0.0002020914 |
| chr7          | 9852001 | 9857000 | 0.0006766526 |
| chr7          | 9996001 | 10001000 | 0.004516516 |
| chr7          | 10070001 | 10075000 | 2.23E-05 |
| chr7          | 10243001 | 10248000 | 1.54E-08 |
| chr7          | 10374001 | 10379000 | 0.000268337 |
| chr7          | 10375001 | 10380000 | 1.04E-05 |
| chr7          | 10376001 | 10381000 | 0.00067147 |
| chr7          | 10561001 | 10566000 | 0.001305018 |
| chr7          | 10813001 | 10818000 | 0.000207787 |
| chr7          | 10914001 | 10919000 | 4.80E-05 |
| chr7          | 11012001 | 11017000 | 1.99E-40 |
| chr7          | 11013001 | 11018000 | 1.43E-45 |
| chr7          | 11014001 | 11019000 | 2.45E-23 |
| chr7          | 11083001 | 11088000 | 1.07E-05 |
| chr7          | 11262001 | 11267000 | 6.02E-06 |
| chr7          | 11481001 | 11486000 | 4.88E-05 |
| chr7          | 11646001 | 11651000 | 0.012505994 |
| chr7          | 11664001 | 11669000 | 0.000515594 |
| chr7          | 11867001 | 11872000 | 1.79E-40 |
| chr7          | 11872001 | 11877000 | 3.83E-08 |
| chr7          | 12014001 | 12019000 | 0.006457331 |
| chr7          | 12251001 | 12256000 | 3.45E-33 |
| chr7          | 12443001 | 12448000 | 8.04E-44 |
| chr7          | 12606001 | 12611000 | 6.27E-22 |
| chr7          | 12607001 | 12612000 | 8.37E-22 |
| chr7          | 12608001 | 12613000 | 8.37E-22 |
| chr7          | 12610001 | 12615000 | 5.59E-39 |
| chr7          | 13243001 | 13248000 | 0.001142771 |
| chr7          | 13244001 | 13249000 | 0.000267408 |
| chr7          | 13262001 | 13267000 | 0.001358702 |
| chr7          | 13362001 | 13367000 | 0.004475851 |
| Chromosome | Start (bp) | End (bp) | P-value |
|------------|------------|----------|---------|
| chr7       | 13462001   | 13467000 | 7.01E-05|
| chr7       | 13702001   | 13707000 | 0.00925332|
| chr7       | 14030001   | 14035000 | 9.38E-41|
| chr7       | 14031001   | 14036000 | 9.60E-24|
| chr7       | 14131001   | 14136000 | 0.002886201|
| chr7       | 14203001   | 14208000 | 2.77E-05|
| chr7       | 14600001   | 14605000 | 0.00297832|
| chr7       | 14950001   | 14955000 | 5.78E-07|
| chr7       | 14951001   | 14956000 | 6.68E-07|
| chr7       | 14952001   | 14957000 | 5.40E-07|
| chr7       | 15027001   | 15032000 | 9.62E-07|
| chr7       | 15046001   | 15051000 | 0.005172702|
| chr7       | 15313001   | 15318000 | 4.54E-07|
| chr7       | 15709001   | 15714000 | 5.02E-05|
| chr7       | 15772001   | 15777000 | 0.009338384|
| chr7       | 15793001   | 15798000 | 0.000122511|
| chr7       | 15794001   | 15799000 | 2.56E-07|
| chr7       | 15815001   | 15820000 | 0.000249977|
| chr7       | 15841001   | 15846000 | 0.002136122|
| chr7       | 15932001   | 15937000 | 0.034299766|
| chr7       | 16108001   | 16113000 | 0.000489618|
| chr7       | 16270001   | 16275000 | 0.000444202|
| chr7       | 16314001   | 16319000 | 0.00058767|
| chr7       | 16315001   | 16320000 | 8.16E-05|
| chr7       | 16316001   | 16321000 | 1.55E-06|
| chr7       | 16358001   | 16363000 | 2.57E-08|
| chr7       | 16359001   | 16364000 | 5.92E-11|
| chr7       | 16360001   | 16365000 | 2.61E-06|
| chr7       | 16361001   | 16366000 | 1.57E-06|
| chr7       | 16362001   | 16367000 | 1.15E-05|
| chr7       | 16378001   | 16383000 | 0.002284981|
| chr7       | 16387001   | 16392000 | 7.51E-07|
| chr7       | 16407001   | 16412000 | 0.000228756|
| chr7       | 16408001   | 16413000 | 3.44E-05|
| chr7       | 16409001   | 16414000 | 8.94E-06|
| chr7       | 16410001   | 16415000 | 1.42E-08|
| chr7       | 16411001   | 16416000 | 2.06E-07|
| chr7       | 16412001   | 16417000 | 3.63E-06|
| chr7       | 16416001   | 16421000 | 1.00E-09|
| chr7       | 16417001   | 16422000 | 7.28E-12|
| chr7       | 16456001   | 16461000 | 3.43E-35|
| chr7       | 16458001   | 16463000 | 2.29E-40|
| chr7       | 16459001   | 16464000 | 1.42E-47|
| chr7       | 16461001   | 16466000 | 8.47E-37|
| chr7       | 16497001   | 16502000 | 0.002206636|
| chr7       | 16514001   | 16519000 | 2.86E-13|
| chr7       | 16515001   | 16520000 | 4.16E-10|
| chr7       | 16516001   | 16521000 | 8.22E-10|
| chr7 | Start   | End     | P-value     |
|------|---------|---------|-------------|
| chr7 | 16680001| 16685000| 2.86E-30    |
| chr7 | 16681001| 16686000| 1.95E-38    |
| chr7 | 16686001| 16691000| 7.08E-36    |
| chr7 | 16789001| 16794000| 1.02E-38    |
| chr7 | 16790001| 16795000| 1.52E-34    |
| chr7 | 16791001| 16796000| 5.75E-34    |
| chr7 | 16792001| 16797000| 3.89E-38    |
| chr7 | 17081001| 17086000| 0.00093387  |
| chr7 | 17082001| 17087000| 0.000186681 |
| chr7 | 17142001| 17147000| 0.001618462 |
| chr7 | 17143001| 17148000| 0.001310061 |
| chr7 | 17334001| 17339000| 8.49E-48    |
| chr7 | 17425001| 17430000| 7.01E-05    |
| chr7 | 17426001| 17431000| 8.87E-07    |
| chr7 | 17825001| 17830000| 4.39E-10    |
| chr7 | 17979001| 17984000| 3.63E-48    |
| chr7 | 17980001| 17985000| 1.73E-57    |
| chr7 | 18121001| 18126000| 8.64E-17    |
| chr7 | 18122001| 18127000| 6.07E-51    |
| chr7 | 18123001| 18128000| 6.51E-33    |
| chr7 | 18124001| 18129000| 4.54E-36    |
| chr7 | 18125001| 18130000| 1.49E-41    |
| chr7 | 18126001| 18131000| 7.00E-23    |
| chr7 | 18329001| 18334000| 0.00124304  |
| chr7 | 18493001| 18498000| 1.04E-07    |
| chr7 | 18494001| 18499000| 6.51E-08    |
| chr7 | 18495001| 18500000| 6.09E-07    |
| chr7 | 18531001| 18536000| 1.70E-12    |
| chr7 | 18532001| 18537000| 1.40E-10    |
| chr7 | 18533001| 18538000| 1.43E-10    |
| chr7 | 19744001| 19749000| 2.48E-37    |
| chr7 | 20147001| 20152000| 0.001917836 |
| chr7 | 20370001| 20375000| 2.36E-36    |
| chr7 | 20371001| 20376000| 2.07E-33    |
| chr7 | 20410001| 20415000| 0.001613313 |
| chr7 | 20687001| 20692000| 1.36E-05    |
| chr7 | 20688001| 20693000| 5.48E-06    |
| chr7 | 20837001| 20842000| 3.11E-40    |
| chr7 | 21065001| 21070000| 4.05E-10    |
| chr7 | 21066001| 21071000| 1.05E-11    |
| chr7 | 21420001| 21425000| 0.00014468  |
| chr7 | 21462001| 21467000| 1.12E-22    |
| chr7 | 21463001| 21468000| 3.60E-24    |
| chr7 | 21578001| 21583000| 4.26E-65    |
| chr7 | 21579001| 21584000| 5.89E-78    |
| chr7 | 21580001| 21585000| 2.52E-58    |
| chr7 | 21581001| 21586000| 1.22E-52    |
| chr7 | 21582001| 21587000| 6.26E-50    |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr7       | 21734001       | 21739000     | 2.35E-05       |
| chr7       | 21735001       | 21740000     | 0.000111709    |
| chr7       | 21736001       | 21741000     | 0.000112372    |
| chr7       | 21857001       | 21862000     | 0.000831351    |
| chr7       | 21858001       | 21863000     | 0.002087211    |
| chr7       | 21859001       | 21864000     | 0.003479827    |
| chr7       | 21985001       | 21990000     | 8.33E-32       |
| chr7       | 22396001       | 22401000     | 2.49E-26       |
| chr7       | 22571001       | 22576000     | 1.92E-08       |
| chr7       | 23048001       | 23053000     | 1.36E-17       |
| chr7       | 23049001       | 23054000     | 1.15E-22       |
| chr7       | 23050001       | 23055000     | 1.34E-28       |
| chr7       | 23051001       | 23056000     | 1.77E-32       |
| chr7       | 23052001       | 23057000     | 1.47E-25       |
| chr7       | 23053001       | 23058000     | 1.36E-19       |
| chr7       | 23144001       | 23149000     | 1.06E-48       |
| chr7       | 23145001       | 23150000     | 2.13E-66       |
| chr7       | 23146001       | 23151000     | 1.47E-15       |
| chr7       | 23567001       | 23572000     | 2.10E-35       |
| chr7       | 23571001       | 23576000     | 1.81E-21       |
| chr7       | 23609001       | 23614000     | 1.09E-10       |
| chr7       | 23715001       | 23720000     | 9.78E-39       |
| chr7       | 23716001       | 23721000     | 6.72E-42       |
| chr7       | 23717001       | 23722000     | 5.02E-25       |
| chr7       | 23718001       | 23723000     | 4.60E-32       |
| chr7       | 23719001       | 23724000     | 1.75E-33       |
| chr7       | 23778001       | 23783000     | 1.68E-07       |
| chr7       | 23779001       | 23784000     | 4.80E-07       |
| chr7       | 23800001       | 23805000     | 0.000497319    |
| chr7       | 23848001       | 23853000     | 0.000341491    |
| chr7       | 23869001       | 23874000     | 1.61E-22       |
| chr7       | 23885001       | 23890000     | 2.82E-12       |
| chr7       | 23886001       | 23891000     | 1.70E-15       |
| chr7       | 23887001       | 23892000     | 5.59E-10       |
| chr7       | 23888001       | 23893000     | 4.30E-11       |
| chr7       | 23889001       | 23894000     | 8.76E-13       |
| chr7       | 23974001       | 23979000     | 1.40E-06       |
| chr7       | 23975001       | 23980000     | 1.97E-07       |
| chr7       | 24047001       | 24052000     | 0.002729733    |
| chr7       | 24048001       | 24053000     | 0.000184269    |
| chr7       | 24070001       | 24075000     | 0.01404037     |
| chr7       | 24121001       | 24126000     | 8.00E-10       |
| chr7       | 24122001       | 24127000     | 9.09E-08       |
| chr7       | 24123001       | 24128000     | 1.80E-10       |
| chr7       | 24124001       | 24129000     | 1.14E-14       |
| chr7       | 24125001       | 24130000     | 1.43E-13       |
| chr7       | 24126001       | 24131000     | 4.37E-11       |
| chr7       | 24127001       | 24132000     | 4.79E-14       |
| Chromosome | Start | End | P-value |
|------------|-------|-----|---------|
| chr7       | 24128001 | 24133000 | 4.81E-10 |
| chr7       | 24133001 | 24138000 | 2.16E-08 |
| chr7       | 24134001 | 24139000 | 5.95E-08 |
| chr7       | 24135001 | 24140000 | 2.53E-08 |
| chr7       | 24136001 | 24141000 | 1.50E-06 |
| chr7       | 24144001 | 24149000 | 1.69E-05 |
| chr7       | 24145001 | 24150000 | 3.89E-08 |
| chr7       | 24146001 | 24151000 | 1.50E-08 |
| chr7       | 24147001 | 24152000 | 1.11E-07 |
| chr7       | 24196001 | 24201000 | 1.48E-06 |
| chr7       | 24213001 | 24218000 | 9.78E-05 |
| chr7       | 24214001 | 24219000 | 1.30E-05 |
| chr7       | 24249001 | 24254000 | 4.68E-05 |
| chr7       | 24250001 | 24255000 | 1.13E-07 |
| chr7       | 24260001 | 24265000 | 9.34E-07 |
| chr7       | 24266001 | 24271000 | 1.23E-07 |
| chr7       | 24267001 | 24272000 | 1.13E-07 |
| chr7       | 24268001 | 24273000 | 5.99E-07 |
| chr7       | 24269001 | 24274000 | 3.08E-09 |
| chr7       | 24270001 | 24275000 | 4.07E-06 |
| chr7       | 24282001 | 24287000 | 5.63E-11 |
| chr7       | 24283001 | 24288000 | 2.11E-05 |
| chr7       | 24284001 | 24289000 | 4.14E-06 |
| chr7       | 24310001 | 24315000 | 2.04E-08 |
| chr7       | 24312001 | 24317000 | 7.61E-08 |
| chr7       | 24313001 | 24318000 | 8.82E-12 |
| chr7       | 24326001 | 24331000 | 2.15E-08 |
| chr7       | 24388001 | 24393000 | 5.74E-08 |
| chr7       | 24389001 | 24394000 | 3.09E-10 |
| chr7       | 24390001 | 24395000 | 1.90E-09 |
| chr7       | 24391001 | 24396000 | 9.77E-08 |
| chr7       | 24392001 | 24397000 | 1.33E-08 |
| chr7       | 24405001 | 24410000 | 4.74E-07 |
| chr7       | 24406001 | 24411000 | 1.12E-07 |
| chr7       | 24407001 | 24412000 | 4.53E-06 |
| chr7       | 24563001 | 24568000 | 0.000386382 |
| chr7       | 24564001 | 24569000 | 0.000350768 |
| chr7       | 24661001 | 24666000 | 0.027453331 |
| chr7       | 24792001 | 24797000 | 8.54E-13 |
| chr7       | 24793001 | 24798000 | 1.14E-25 |
| chr7       | 24794001 | 24799000 | 1.53E-38 |
| chr7       | 24795001 | 24800000 | 5.33E-50 |
| chr7       | 24796001 | 24801000 | 1.83E-58 |
| chr7       | 24797001 | 24802000 | 6.62E-57 |
| chr7       | 24911001 | 24916000 | 3.38E-08 |
| chr7       | 24912001 | 24917000 | 2.01E-08 |
| chr7       | 24913001 | 24918000 | 5.91E-06 |
| Chromosome | Start Base | End Base | P-value |
|------------|------------|----------|---------|
| chr7       | 24914001   | 24919000 | 1.94E-05|
| chr7       | 24973001   | 24978000 | 1.24E-07|
| chr7       | 24974001   | 24979000 | 1.18E-07|
| chr7       | 24975001   | 24980000 | 4.92E-06|
| chr7       | 25015001   | 25020000 | 4.87E-56|
| chr7       | 25016001   | 25021000 | 1.27E-38|
| chr7       | 25215001   | 25220000 | 1.97E-62|
| chr7       | 25216001   | 25221000 | 6.48E-56|
| chr7       | 25217001   | 25222000 | 5.89E-54|
| chr7       | 25218001   | 25223000 | 2.95E-52|
| chr7       | 25219001   | 25224000 | 1.78E-39|
| chr7       | 25220001   | 25225000 | 3.66E-23|
| chr7       | 25339001   | 25344000 | 0.000110745|
| chr7       | 25358001   | 25363000 | 1.38E-07|
| chr7       | 25359001   | 25364000 | 1.47E-07|
| chr7       | 25361001   | 25366000 | 1.20E-07|
| chr7       | 25376001   | 25381000 | 8.86E-11|
| chr7       | 25377001   | 25382000 | 1.46E-09|
| chr7       | 25401001   | 25406000 | 9.31E-08|
| chr7       | 25402001   | 25407000 | 5.15E-05|
| chr7       | 25403001   | 25408000 | 1.07E-06|
| chr7       | 25404001   | 25409000 | 1.46E-06|
| chr7       | 25405001   | 25410000 | 1.75E-07|
| chr7       | 25413001   | 25418000 | 0.002321179|
| chr7       | 25416001   | 25421000 | 2.28E-05|
| chr7       | 25469001   | 25474000 | 1.03E-08|
| chr7       | 25470001   | 25475000 | 1.07E-11|
| chr7       | 25471001   | 25476000 | 2.30E-11|
| chr7       | 25472001   | 25477000 | 5.99E-11|
| chr7       | 25474001   | 25479000 | 0.000325994|
| chr7       | 25482001   | 25487000 | 1.15E-05|
| chr7       | 25484001   | 25489000 | 7.46E-05|
| chr7       | 25638001   | 25643000 | 1.05E-09|
| chr7       | 25676001   | 25681000 | 6.53E-08|
| chr7       | 25693001   | 25698000 | 0.000490462|
| chr7       | 25935001   | 25940000 | 3.14E-17|
| chr7       | 25990001   | 25995000 | 2.69E-19|
| chr7       | 25991001   | 25996000 | 5.95E-14|
| chr7       | 26189001   | 26194000 | 2.39E-17|
| chr7       | 26327001   | 26332000 | 2.14E-22|
| chr7       | 26328001   | 26333000 | 1.27E-16|
| chr7       | 26329001   | 26334000 | 4.60E-15|
| chr7       | 26330001   | 26335000 | 3.38E-16|
| chr7       | 26331001   | 26336000 | 1.82E-12|
| chr7       | 26411001   | 26416000 | 3.67E-56|
| chr7       | 26412001   | 26417000 | 6.58E-54|
| chr7       | 26413001   | 26418000 | 4.44E-80|
| chr7       | 26414001   | 26419000 | 8.23E-66|
| CHR | SNT | ENS | Value |
|-----|-----|-----|-------|
| chr7 | 26415001 | 26420000 | 3.83E-52 |
| chr7 | 26416001 | 26421000 | 3.87E-48 |
| chr7 | 26438001 | 26443000 | 5.07E-48 |
| chr7 | 26726001 | 26731000 | 0.015615924 |
| chr7 | 26815001 | 26820000 | 0.000285739 |
| chr7 | 26897001 | 26902000 | 2.52E-10 |
| chr7 | 26899001 | 26904000 | 8.40E-13 |
| chr7 | 27190001 | 27195000 | 6.76E-10 |
| chr7 | 27339001 | 27344000 | 1.34E-06 |
| chr7 | 27647001 | 27652000 | 0.015615924 |
| chr7 | 28098001 | 28103000 | 3.95E-07 |
| chr7 | 28099001 | 28104000 | 1.29E-06 |
| chr7 | 28215001 | 28220000 | 9.48E-63 |
| chr7 | 28216001 | 28221000 | 1.39E-34 |
| chr7 | 28217001 | 28222000 | 3.33E-44 |
| chr7 | 28218001 | 28223000 | 7.84E-36 |
| chr7 | 28219001 | 28224000 | 9.61E-46 |
| chr7 | 28444001 | 28449000 | 2.39E-12 |
| chr7 | 28450001 | 28455000 | 2.06E-29 |
| chr7 | 28596001 | 28601000 | 1.21E-30 |
| chr7 | 28597001 | 28602000 | 9.94E-22 |
| chr7 | 28598001 | 28603000 | 1.93E-32 |
| chr7 | 28599001 | 28604000 | 4.29E-39 |
| chr7 | 28600001 | 28605000 | 2.87E-44 |
| chr7 | 28643001 | 28648000 | 5.90E-11 |
| chr7 | 28644001 | 28649000 | 1.14E-11 |
| chr7 | 28858001 | 28863000 | 8.46E-12 |
| chr7 | 28859001 | 28864000 | 2.77E-09 |
| chr7 | 28860001 | 28865000 | 2.59E-07 |
| chr7 | 28889001 | 28894000 | 4.22E-27 |
| chr7 | 28983001 | 28988000 | 0.00422733 |
| chr7 | 29233001 | 29238000 | 5.64E-36 |
| chr7 | 29234001 | 29239000 | 2.77E-61 |
| chr7 | 29235001 | 29240000 | 1.15E-17 |
| chr7 | 29725001 | 29730000 | 2.60E-20 |
| chr7 | 29758001 | 29763000 | 2.60E-08 |
| chr7 | 30024001 | 30029000 | 3.23E-23 |
| chr7 | 30025001 | 30030000 | 3.82E-24 |
| chr7 | 30026001 | 30031000 | 2.40E-27 |
| chr7 | 30027001 | 30032000 | 3.87E-47 |
| chr7 | 30028001 | 30033000 | 1.28E-54 |
| chr7 | 30029001 | 30034000 | 1.63E-25 |
| chr7 | 30068001 | 30073000 | 6.60E-53 |
| chr7 | 30170001 | 30175000 | 7.33E-28 |
| chr7 | 30171001 | 30176000 | 2.79E-34 |
| chr7 | 30172001 | 30177000 | 2.58E-26 |
| chr7 | 30174001 | 30179000 | 4.39E-30 |
| chr7 | 30175001 | 30180000 | 6.11E-21 |
| Chromosome | Start1 | End1  | Start2 | End2  | Value   |
|------------|--------|-------|--------|-------|---------|
| chr7       | 30320001 | 30325000 | 1.23E-33 |
| chr7       | 30516001 | 30521000 | 2.30E-14 |
| chr7       | 30517001 | 30522000 | 1.31E-35 |
| chr7       | 30518001 | 30523000 | 2.53E-48 |
| chr7       | 30540001 | 30545000 | 2.98E-14 |
| chr7       | 30541001 | 30546000 | 8.40E-16 |
| chr7       | 30542001 | 30547000 | 4.82E-08 |
| chr7       | 30543001 | 30548000 | 2.84E-09 |
| chr7       | 30544001 | 30549000 | 5.87E-17 |
| chr7       | 30811001 | 30816000 | 1.52E-19 |
| chr7       | 30986001 | 30991000 | 2.61E-05 |
| chr7       | 30987001 | 30992000 | 2.22E-06 |
| chr7       | 30994001 | 30999000 | 3.06E-06 |
| chr7       | 30995001 | 31000000 | 1.26E-06 |
| chr7       | 30996001 | 31001000 | 5.14E-12 |
| chr7       | 30998001 | 31003000 | 6.47E-12 |
| chr7       | 31218001 | 31223000 | 6.95E-07 |
| chr7       | 31219001 | 31224000 | 1.62E-06 |
| chr7       | 31220001 | 31225000 | 4.58E-06 |
| chr7       | 31224001 | 31229000 | 2.45E-05 |
| chr7       | 31226001 | 31231000 | 1.90E-05 |
| chr7       | 31234001 | 31239000 | 3.38E-05 |
| chr7       | 31235001 | 31240000 | 1.95E-06 |
| chr7       | 31263001 | 31268000 | 2.63E-06 |
| chr7       | 31270001 | 31275000 | 1.30E-07 |
| chr7       | 31282001 | 31287000 | 8.73E-05 |
| chr7       | 31285001 | 31290000 | 1.48E-10 |
| chr7       | 31286001 | 31291000 | 2.18E-10 |
| chr7       | 31325001 | 31330000 | 4.48E-06 |
| chr7       | 31333001 | 31338000 | 1.07E-05 |
| chr7       | 31334001 | 31339000 | 0.00023014 |
| chr7       | 31335001 | 31340000 | 9.11E-06 |
| chr7       | 31337001 | 31342000 | 7.75E-07 |
| chr7       | 31353001 | 31358000 | 2.73E-07 |
| chr7       | 31354001 | 31359000 | 1.14E-05 |
| chr7       | 31366001 | 31371000 | 4.21E-07 |
| chr7       | 31398001 | 31403000 | 1.37E-06 |
| chr7       | 31399001 | 31404000 | 3.12E-10 |
| chr7       | 31401001 | 31406000 | 3.40E-07 |
| chr7       | 31622001 | 31627000 | 6.13E-05 |
| chr7       | 31655001 | 31660000 | 1.52E-06 |
| chr7       | 31920001 | 31925000 | 1.79E-06 |
| chr7       | 31979001 | 31984000 | 0.000357474 |
| chr7       | 32278001 | 32283000 | 0.000326712 |
| chr7       | 32279001 | 32284000 | 1.36E-05 |
| chr7       | 32314001 | 32319000 | 7.04E-05 |
| chr7       | 32315001 | 32320000 | 1.31E-06 |
| chr7       | 32316001 | 32321000 | 3.01E-09 |
| Chromosome | Start | End   | Score  |
|------------|-------|-------|--------|
| chr7       | 32338001 | 32343000 | 5.44E-23 |
| chr7       | 32430001 | 32435000 | 0.001531585 |
| chr7       | 32431001 | 32436000 | 0.000166411 |
| chr7       | 32531001 | 32536000 | 2.45E-34 |
| chr7       | 32533001 | 32538000 | 2.98E-29 |
| chr7       | 32535001 | 32540000 | 1.09E-29 |
| chr7       | 32763001 | 32768000 | 1.10E-76 |
| chr7       | 32764001 | 32769000 | 7.66E-88 |
| chr7       | 32765001 | 32770000 | 1.05E-71 |
| chr7       | 32766001 | 32771000 | 5.78E-83 |
| chr7       | 32767001 | 32772000 | 2.43E-76 |
| chr7       | 32768001 | 32773000 | 3.48E-83 |
| chr7       | 32981001 | 32986000 | 1.05E-16 |
| chr7       | 32982001 | 32987000 | 9.96E-17 |
| chr7       | 32995001 | 33000000 | 4.76E-14 |
| chr7       | 32996001 | 33001000 | 8.59E-26 |
| chr7       | 32997001 | 33002000 | 5.91E-19 |
| chr7       | 33102001 | 33107000 | 8.99E-43 |
| chr7       | 33169001 | 33174000 | 4.53E-26 |
| chr7       | 33213001 | 33218000 | 1.17E-09 |
| chr7       | 33277001 | 33282000 | 0.001221542 |
| chr7       | 33278001 | 33283000 | 0.001265191 |
| chr7       | 33281001 | 33286000 | 0.004060641 |
| chr7       | 33337001 | 33342000 | 0.001278673 |
| chr7       | 33338001 | 33343000 | 4.16E-05 |
| chr7       | 33368001 | 33373000 | 2.81E-13 |
| chr7       | 33391001 | 33396000 | 2.77E-08 |
| chr7       | 33392001 | 33397000 | 5.61E-08 |
| chr7       | 33401001 | 33406000 | 1.67E-08 |
| chr7       | 33439001 | 33444000 | 2.59E-06 |
| chr7       | 33440001 | 33445000 | 3.15E-08 |
| chr7       | 33489001 | 33494000 | 1.31E-08 |
| chr7       | 33490001 | 33495000 | 5.89E-06 |
| chr7       | 33513001 | 33518000 | 1.32E-05 |
| chr7       | 33514001 | 33519000 | 5.67E-06 |
| chr7       | 33515001 | 33520000 | 3.72E-06 |
| chr7       | 33557001 | 33562000 | 6.04E-07 |
| chr7       | 33558001 | 33563000 | 7.17E-06 |
| chr7       | 33560001 | 33565000 | 1.03E-09 |
| chr7       | 33574001 | 33579000 | 3.11E-07 |
| chr7       | 33576001 | 33581000 | 3.30E-06 |
| chr7       | 33857001 | 33862000 | 0.000193779 |
| chr7       | 33935001 | 33940000 | 7.01E-13 |
| chr7       | 33941001 | 33946000 | 1.82E-16 |
| chr7       | 33942001 | 33947000 | 2.34E-41 |
| chr7       | 33943001 | 33948000 | 1.22E-72 |
| chr7       | 33944001 | 33949000 | 7.60E-75 |
| chr7       | 33945001 | 33950000 | 1.01E-34 |
| Chr | Start | End   | p-value  |
|-----|-------|-------|----------|
| chr7 | 34457001 | 34462000 | 3.80E-07 |
| chr7 | 34594001 | 34599000 | 4.10E-12 |
| chr7 | 34673001 | 34678000 | 6.89E-06 |
| chr7 | 34675001 | 34680000 | 3.31E-06 |
| chr7 | 34676001 | 34681000 | 6.71E-06 |
| chr7 | 34677001 | 34682000 | 5.38E-07 |
| chr7 | 34748001 | 34753000 | 5.76E-05 |
| chr7 | 34788001 | 34793000 | 3.96E-13 |
| chr7 | 34829001 | 34834000 | 0.003833435 |
| chr7 | 35072001 | 35077000 | 2.65E-22 |
| chr7 | 35188001 | 35193000 | 2.65E-07 |
| chr7 | 35618001 | 35623000 | 2.99E-05 |
| chr7 | 36188001 | 36193000 | 7.71E-06 |
| chr7 | 37275001 | 37280000 | 6.57E-10 |
| chr7 | 37399001 | 37404000 | 8.74E-10 |
| chr7 | 37464001 | 37469000 | 1.32E-06 |
|------|---------|---------|----------|
| chr7 | 37473001 | 37478000 | 5.89E-07 |
| chr7 | 37474001 | 37479000 | 5.26E-09 |
| chr7 | 37475001 | 37480000 | 1.04E-09 |
| chr7 | 37483001 | 37488000 | 3.00E-12 |
| chr7 | 37484001 | 37489000 | 2.28E-19 |
| chr7 | 37485001 | 37490000 | 1.32E-19 |
| chr7 | 37486001 | 37491000 | 3.23E-17 |
| chr7 | 37487001 | 37492000 | 1.21E-14 |
| chr7 | 37488001 | 37493000 | 8.19E-27 |
| chr7 | 37515001 | 37520000 | 2.90E-05 |
| chr7 | 37555001 | 37562000 | 0.000122017 |
| chr7 | 37558001 | 37563000 | 4.80E-06 |
| chr7 | 37559001 | 37564000 | 4.83E-06 |
| chr7 | 37560001 | 37565000 | 2.03E-06 |
| chr7 | 37561001 | 37566000 | 9.99E-06 |
| chr7 | 37565001 | 37570000 | 1.58E-06 |
| chr7 | 37566001 | 37571000 | 1.06E-11 |
| chr7 | 37567001 | 37572000 | 1.86E-18 |
| chr7 | 37568001 | 37573000 | 2.42E-13 |
| chr7 | 37569001 | 37574000 | 3.97E-10 |
| chr7 | 37570001 | 37575000 | 3.35E-10 |
| chr7 | 37622001 | 37627000 | 1.04E-09 |
| chr7 | 37624001 | 37629000 | 4.15E-10 |
| chr7 | 37625001 | 37630000 | 1.19E-11 |
| chr7 | 37626001 | 37631000 | 4.95E-07 |
| chr7 | 37628001 | 37633000 | 1.53E-07 |
| chr7 | 37634001 | 37639000 | 9.85E-05 |
| chr7 | 37637001 | 37642000 | 1.23E-05 |
| chr7 | 37650001 | 37655000 | 0.000628317 |
| chr7 | 37651001 | 37656000 | 1.94E-10 |
| chr7 | 37652001 | 37657000 | 7.93E-11 |
| chr7 | 37731001 | 37736000 | 2.98E-09 |
| chr7 | 37732001 | 37737000 | 3.00E-10 |
| chr7 | 37745001 | 37750000 | 1.78E-09 |
| chr7 | 37792001 | 37797000 | 1.92E-06 |
| chr7 | 37795001 | 37800000 | 7.20E-07 |
| chr7 | 37810001 | 37815000 | 7.37E-10 |
| chr7 | 37847001 | 37852000 | 4.87E-10 |
| chr7 | 37848001 | 37853000 | 6.91E-08 |
| chr7 | 37849001 | 37854000 | 7.82E-10 |
| chr7 | 37850001 | 37855000 | 1.69E-12 |
| chr7 | 37890001 | 37895000 | 0.000396465 |
| chr7 | 37902001 | 37907000 | 1.74E-05 |
| chr7 | 37903001 | 37908000 | 1.57E-05 |
| chr7 | 37904001 | 37909000 | 5.34E-07 |
| chr7 | 37905001 | 37910000 | 5.41E-08 |
| chr7 | 37906001 | 37911000 | 4.42E-08 |
| Chr | Start | End   | P-value       |
|-----|-------|-------|---------------|
| chr7| 37907001 | 37912000 | 1.54E-06     |
| chr7| 37917001 | 37922000 | 9.14E-05     |
| chr7| 37918001 | 37923000 | 0.000145887  |
| chr7| 37925001 | 37930000 | 1.18E-07     |
| chr7| 37926001 | 37931000 | 6.94E-12     |
| chr7| 37951001 | 37956000 | 7.69E-24     |
| chr7| 38008001 | 38013000 | 0.000116544  |
| chr7| 38045001 | 38050000 | 0.000145132  |
| chr7| 38068001 | 38073000 | 0.005929993  |
| chr7| 38152001 | 38157000 | 8.93E-05     |
| chr7| 38154001 | 38159000 | 2.97E-09     |
| chr7| 38158001 | 38163000 | 3.49E-06     |
| chr7| 38218001 | 38223000 | 5.68E-43     |
| chr7| 38467001 | 38472000 | 9.50E-09     |
| chr7| 38468001 | 38473000 | 2.98E-11     |
| chr7| 38469001 | 38474000 | 4.94E-09     |
| chr7| 38470001 | 38475000 | 8.80E-10     |
| chr7| 38471001 | 38476000 | 3.97E-07     |
| chr7| 38472001 | 38477000 | 0.00177511   |
| chr7| 38666001 | 38671000 | 2.37E-29     |
| chr7| 38667001 | 38672000 | 6.53E-27     |
| chr7| 38668001 | 38673000 | 1.14E-21     |
| chr7| 38669001 | 38674000 | 9.81E-29     |
| chr7| 38670001 | 38675000 | 3.63E-31     |
| chr7| 39014001 | 39019000 | 6.88E-13     |
| chr7| 39016001 | 39021000 | 0.000259921  |
| chr7| 39047001 | 39052000 | 3.05E-12     |
| chr7| 39060001 | 39065000 | 1.63E-06     |
| chr7| 39061001 | 39066000 | 6.36E-06     |
| chr7| 39080001 | 39085000 | 0.004583323  |
| chr7| 39159001 | 39164000 | 1.99E-07     |
| chr7| 39163001 | 39168000 | 2.17E-06     |
| chr7| 39373001 | 39378000 | 7.67E-09     |
| chr7| 39397001 | 39402000 | 0.005425117  |
| chr7| 39449001 | 39454000 | 8.00E-27     |
| chr7| 39521001 | 39526000 | 1.24E-10     |
| chr7| 39522001 | 39527000 | 1.53E-10     |
| chr7| 39523001 | 39528000 | 7.24E-07     |
| chr7| 39601001 | 39606000 | 3.66E-22     |
| chr7| 39603001 | 39608000 | 2.80E-56     |
| chr7| 39604001 | 39609000 | 1.09E-54     |
| chr7| 39605001 | 39610000 | 7.47E-53     |
| chr7| 39606001 | 39611000 | 9.12E-51     |
| chr7| 39658001 | 39663000 | 5.77E-57     |
| chr7| 39659001 | 39664000 | 6.09E-71     |
| chr7| 39660001 | 39665000 | 3.53E-60     |
| chr7| 39661001 | 39666000 | 1.77E-36     |
| chr7| 39662001 | 39667000 | 7.20E-41     |
| Chromosome | Start | End   | Value     |
|------------|-------|-------|-----------|
| chr7       | 39663001 | 39668000 | 5.82E-28  |
| chr7       | 39768001 | 39773000 | 1.51E-09  |
| chr7       | 39890001 | 39895000 | 3.35E-11  |
| chr7       | 39891001 | 39896000 | 6.13E-13  |
| chr7       | 39892001 | 39897000 | 2.60E-08  |
| chr7       | 39985001 | 39990000 | 2.88E-28  |
| chr7       | 39986001 | 39991000 | 1.73E-39  |
| chr7       | 39987001 | 39992000 | 4.19E-55  |
| chr7       | 39991001 | 39996000 | 3.03E-37  |
| chr7       | 40193001 | 40198000 | 1.28E-09  |
| chr7       | 40194001 | 40199000 | 2.67E-11  |
| chr7       | 40352001 | 40357000 | 9.44E-05  |
| chr7       | 40427001 | 40432000 | 4.44E-08  |
| chr7       | 40428001 | 40433000 | 1.54E-09  |
| chr7       | 40440001 | 40445000 | 2.82E-05  |
| chr7       | 40467001 | 40472000 | 8.76E-06  |
| chr7       | 40468001 | 40473000 | 6.53E-06  |
| chr7       | 40485001 | 40490000 | 7.63E-05  |
| chr7       | 40492001 | 40497000 | 6.19E-06  |
| chr7       | 40493001 | 40498000 | 9.13E-06  |
| chr7       | 40494001 | 40499000 | 2.59E-06  |
| chr7       | 40495001 | 40500000 | 1.25E-07  |
| chr7       | 40519001 | 40524000 | 2.83E-05  |
| chr7       | 40520001 | 40525000 | 1.48E-05  |
| chr7       | 40533001 | 40538000 | 0.000195468|
| chr7       | 40534001 | 40539000 | 0.000297025|
| chr7       | 40538001 | 40543000 | 0.013099881|
| chr7       | 40633001 | 40638000 | 2.02E-06  |
| chr7       | 40635001 | 40640000 | 7.19E-10  |
| chr7       | 40636001 | 40641000 | 2.03E-09  |
| chr7       | 40637001 | 40642000 | 8.01E-10  |
| chr7       | 40638001 | 40643000 | 2.06E-08  |
| chr7       | 40639001 | 40644000 | 3.13E-05  |
| chr7       | 40828001 | 40833000 | 0.002804699|
| chr7       | 41681001 | 41686000 | 0.000192916|
| chr7       | 41842001 | 41847000 | 0.000550722|
| chr7       | 41931001 | 41936000 | 9.61E-07  |
| chr7       | 41933001 | 41938000 | 0.002575943|
| chr7       | 41934001 | 41939000 | 2.32E-05  |
| chr7       | 41988001 | 41993000 | 1.31E-14  |
| chr7       | 41989001 | 41994000 | 3.23E-11  |
| chr7       | 41991001 | 41996000 | 2.64E-08  |
| chr7       | 42082001 | 42087000 | 2.52E-08  |
| chr7       | 42098001 | 42103000 | 6.29E-06  |
| chr7       | 42099001 | 42104000 | 1.21E-07  |
| chr7       | 42100001 | 42105000 | 2.45E-07  |
| chr7       | 42101001 | 42106000 | 2.45E-05  |
| chr7       | 42233001 | 42238000 | 2.56E-16  |
| Chr  | Start | End   | p-value       |
|------|-------|-------|---------------|
| chr7 | 42230 | 42290 | 1.94E-16      |
| chr7 | 42230 | 42290 | 1.68E-16      |
| chr7 | 42263 | 42268 | 1.07E-24      |
| chr7 | 42272 | 42277 | 2.72E-54      |
| chr7 | 42287 | 42292 | 3.37E-11      |
| chr7 | 42288 | 42293 | 1.18E-09      |
| chr7 | 42354 | 42359 | 9.77E-05      |
| chr7 | 42354 | 42359 | 9.45E-05      |
| chr7 | 42356 | 42361 | 8.56E-07      |
| chr7 | 42357 | 42362 | 4.20E-07      |
| chr7 | 42366 | 42371 | 8.05E-10      |
| chr7 | 42367 | 42372 | 1.14E-07      |
| chr7 | 42388 | 42393 | 1.65E-09      |
| chr7 | 42388 | 42393 | 2.23E-11      |
| chr7 | 42399 | 42395 | 5.07E-05      |
| chr7 | 42533 | 42538 | 7.83E-17      |
| chr7 | 42592 | 42597 | 0.00037236    |
| chr7 | 42593 | 42598 | 2.36E-05      |
| chr7 | 42635 | 42640 | 0.003084976   |
| chr7 | 42659 | 42664 | 4.71E-08      |
| chr7 | 42660 | 42665 | 2.70E-07      |
| chr7 | 42689 | 42694 | 0.000167086   |
| chr7 | 42690 | 42695 | 3.71E-08      |
| chr7 | 42691 | 42696 | 6.76E-07      |
| chr7 | 42692 | 42697 | 1.57E-05      |
| chr7 | 42693 | 42698 | 0.000238174   |
| chr7 | 42746 | 42751 | 2.30E-11      |
| chr7 | 42747 | 42752 | 9.18E-11      |
| chr7 | 42748 | 42753 | 2.06E-08      |
| chr7 | 42749 | 42754 | 9.78E-08      |
| chr7 | 42750 | 42755 | 1.45E-05      |
| chr7 | 42813 | 42818 | 4.26E-09      |
| chr7 | 42814 | 42819 | 2.83E-08      |
| chr7 | 42815 | 42820 | 3.12E-06      |
| chr7 | 42828 | 42833 | 8.11E-05      |
| chr7 | 42831 | 42836 | 0.004039649   |
| chr7 | 42888 | 42893 | 3.18E-05      |
| chr7 | 42889 | 42894 | 1.86E-08      |
| chr7 | 42928 | 42933 | 4.63E-13      |
| chr7 | 42947 | 42952 | 3.50E-54      |
| chr7 | 42948 | 42953 | 4.03E-54      |
| chr7 | 42949 | 42954 | 1.86E-30      |
| chr7 | 42950 | 42955 | 2.99E-23      |
| chr7 | 42951 | 42956 | 3.93E-25      |
| chr7 | 42972 | 42977 | 2.89E-14      |
| chr7 | 42992 | 42997 | 0.00135761    |
| chr7 | 42993 | 42998 | 7.63E-05      |
| chr7 | 43037 | 43042 | 3.40E-05      |
| Chr | Start | End   | p-value          |
|-----|-------|-------|-----------------|
| chr7| 46473001 | 46478000 | 1.91E-05       |
| chr7| 46474001 | 46479000 | 0.000308859     |
| chr7| 46490001 | 46495000 | 0.000804141     |
| chr7| 46548001 | 46553000 | 0.001119089     |
| chr7| 46729001 | 46734000 | 0.000308859     |
| chr7| 46730001 | 46735000 | 0.000340765     |
| chr7| 46731001 | 46736000 | 0.000308859     |
| chr7| 46794001 | 46799000 | 0.000804141     |
| chr7| 46841001 | 46846000 | 9.16E-05        |
| chr7| 46854001 | 46859000 | 3.30E-06        |
| chr7| 46966001 | 46971000 | 8.84E-08        |
| chr7| 47010001 | 47015000 | 0.00173507      |
| chr7| 47290001 | 47295000 | 3.11E-16        |
| chr7| 47291001 | 47296000 | 2.55E-11        |
| chr7| 47292001 | 47297000 | 4.56E-09        |
| chr7| 47293001 | 47298000 | 7.81E-19        |
| chr7| 47294001 | 47299000 | 1.98E-20        |
| chr7| 47617001 | 47622000 | 6.62E-10        |
| chr7| 47620001 | 47625000 | 3.91E-07        |
| chr7| 47621001 | 47626000 | 3.12E-17        |
| chr7| 48015001 | 48020000 | 1.05E-26        |
| chr7| 48016001 | 48021000 | 1.16E-27        |
| chr7| 48019001 | 48024000 | 4.58E-32        |
| chr7| 48020001 | 48025000 | 0.000119363     |
| chr7| 48069001 | 48074000 | 1.00E-07        |
| chr7| 48070001 | 48075000 | 1.36E-19        |
| chr7| 48071001 | 48076000 | 1.03E-34        |
| chr7| 48072001 | 48077000 | 1.33E-31        |
| chr7| 48073001 | 48078000 | 1.91E-51        |
| chr7| 48074001 | 48079000 | 8.82E-46        |
| chr7| 48075001 | 48080000 | 4.49E-34        |
| chr7| 48093001 | 48098000 | 2.19E-06        |
| chr7| 48125001 | 48130000 | 2.87E-22        |
| chr7| 48126001 | 48131000 | 2.50E-21        |
| chr7| 48127001 | 48132000 | 1.43E-20        |
| chr7| 48128001 | 48133000 | 4.08E-13        |
| chr7| 48129001 | 48134000 | 5.08E-18        |
| chr7| 48165001 | 48170000 | 4.00E-06        |
| chr7| 48248001 | 48253000 | 0.001391828     |
| chr7| 48275001 | 48280000 | 2.78E-07        |
| chr7| 48317001 | 48322000 | 8.41E-05        |
| chr7| 48371001 | 48376000 | 1.04E-08        |
| chr7| 48485001 | 48490000 | 0.003698728     |
| chr7| 48521001 | 48526000 | 0.001051272     |
| chr7| 48522001 | 48527000 | 5.78E-08        |
| chr7| 48523001 | 48528000 | 2.74E-07        |
| chr7| 48560001 | 48565000 | 0.00013298      |
| chr7| 48561001 | 48566000 | 0.000105773      |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr7       | 48562 | 48567 | 3.28E-05  |
| chr7       | 48568 | 48573 | 1.98E-06  |
| chr7       | 48569 | 48574 | 0.00340672|
| chr7       | 48570 | 48575 | 5.71E-06  |
| chr7       | 48639 | 48644 | 1.17E-08  |
| chr7       | 48641 | 48646 | 8.92E-11  |
| chr7       | 48879 | 48884 | 6.62E-06  |
| chr7       | 48880 | 48885 | 7.99E-07  |
| chr7       | 48980 | 48985 | 0.01673017|
| chr7       | 48981 | 48986 | 0.00025176|
| chr7       | 49022 | 49027 | 0.00026746|
| chr7       | 49036 | 49041 | 0.00016442|
| chr7       | 49037 | 49042 | 0.00017796|
| chr7       | 49038 | 49043 | 4.54E-05  |
| chr7       | 49069 | 49074 | 2.15E-08  |
| chr7       | 49099 | 49104 | 8.61E-09  |
| chr7       | 49100 | 49105 | 6.21E-06  |
| chr7       | 49130 | 49135 | 8.79E-06  |
| chr7       | 49137 | 49142 | 4.50E-10  |
| chr7       | 49151 | 49156 | 1.23E-07  |
| chr7       | 49162 | 49167 | 1.11E-05  |
| chr7       | 49163 | 49168 | 1.44E-06  |
| chr7       | 49166 | 49171 | 0.00729381|
| chr7       | 49169 | 49174 | 8.76E-05  |
| chr7       | 49179 | 49184 | 5.88E-11  |
| chr7       | 49180 | 49185 | 3.55E-08  |
| chr7       | 49181 | 49186 | 8.49E-08  |
| chr7       | 49188 | 49193 | 0.00150782|
| chr7       | 49204 | 49209 | 1.58E-07  |
| chr7       | 49205 | 49210 | 1.73E-11  |
| chr7       | 49217 | 49222 | 0.00075462|
| chr7       | 49256 | 49261 | 2.95E-05  |
| chr7       | 49258 | 49263 | 0.00380427|
| chr7       | 49293 | 49298 | 0.00209853|
| chr7       | 49323 | 49328 | 7.78E-07  |
| chr7       | 49325 | 49330 | 1.03E-09  |
| chr7       | 49345 | 49350 | 9.75E-10  |
| chr7       | 49346 | 49351 | 3.82E-10  |
| chr7       | 49347 | 49352 | 2.57E-15  |
| chr7       | 49348 | 49353 | 4.31E-10  |
| chr7       | 49349 | 49354 | 3.82E-09  |
| chr7       | 49360 | 49365 | 0.00028790|
| chr7       | 49389 | 49394 | 0.00863734|
| chr7       | 49392 | 49397 | 1.81E-06  |
| chr7       | 49393 | 49398 | 3.64E-07  |
| chr7       | 49395 | 49400 | 0.00038380|
| chr7       | 49396 | 49401 | 0.00114687|
| chr7       | 49434 | 49439 | 1.13E-06  |
| chr7 | 49435001 | 49440000 | 1.48E-06 |
|-------|----------|----------|----------|
| chr7 | 49441001 | 49446000 | 0.001185777 |
| chr7 | 49442001 | 49447000 | 7.15E-06 |
| chr7 | 49475001 | 49480000 | 0.000345182 |
| chr7 | 49476001 | 49481000 | 0.000558074 |
| chr7 | 49531001 | 49536000 | 2.33E-09 |
| chr7 | 49542001 | 49547000 | 9.49E-06 |
| chr7 | 49570001 | 49575000 | 9.10E-08 |
| chr7 | 49571001 | 49576000 | 9.93E-09 |
| chr7 | 49654001 | 49659000 | 0.000121111 |
| chr7 | 49655001 | 49660000 | 2.88E-05 |
| chr7 | 49703001 | 49708000 | 2.17E-13 |
| chr7 | 49704001 | 49709000 | 7.59E-12 |
| chr7 | 49724001 | 49729000 | 6.48E-05 |
| chr7 | 49725001 | 49730000 | 7.44E-05 |
| chr7 | 49726001 | 49731000 | 7.76E-05 |
| chr7 | 49780001 | 49785000 | 3.90E-06 |
| chr7 | 49781001 | 49786000 | 1.72E-05 |
| chr7 | 49782001 | 49787000 | 0.00258258 |
| chr7 | 49799001 | 49804000 | 0.000355406 |
| chr7 | 49800001 | 49805000 | 0.000310709 |
| chr7 | 49818001 | 49823000 | 2.25E-05 |
| chr7 | 49819001 | 49824000 | 9.79E-09 |
| chr7 | 49820001 | 49825000 | 1.78E-05 |
| chr7 | 49822001 | 49827000 | 8.10E-05 |
| chr7 | 49835001 | 49840000 | 3.96E-08 |
| chr7 | 49865001 | 49870000 | 7.65E-08 |
| chr7 | 49866001 | 49871000 | 1.04E-05 |
| chr7 | 49979001 | 49984000 | 0.002651607 |
| chr7 | 49981001 | 49986000 | 0.000185397 |
| chr7 | 49987001 | 49992000 | 0.000119305 |
| chr7 | 49991001 | 49996000 | 8.95E-05 |
| chr7 | 50003001 | 50008000 | 0.000478195 |
| chr7 | 50004001 | 50009000 | 0.000123032 |
| chr7 | 50005001 | 50010000 | 0.000155676 |
| chr7 | 50006001 | 50011000 | 0.000147211 |
| chr7 | 50011001 | 50016000 | 0.000678344 |
| chr7 | 50025001 | 50030000 | 0.000169434 |
| chr7 | 50036001 | 50041000 | 1.43E-06 |
| chr7 | 50055001 | 50060000 | 0.001210962 |
| chr7 | 50062001 | 50067000 | 1.11E-07 |
| chr7 | 50069001 | 50074000 | 2.24E-08 |
| chr7 | 50250001 | 50255000 | 1.26E-08 |
| chr7 | 50253001 | 50258000 | 7.83E-10 |
| chr7 | 50254001 | 50259000 | 3.92E-12 |
| chr7 | 50255001 | 50260000 | 1.18E-08 |
| chr7 | 50269001 | 50274000 | 9.56E-08 |
| chr7 | 50270001 | 50275000 | 1.04E-07 |
| Chr | Start | End   | p.value   |
|-----|-------|-------|-----------|
| chr7 | 50363 | 50368 | 1.04E-17  |
| chr7 | 50410 | 50415 | 1.39E-07  |
| chr7 | 50513 | 50518 | 3.99E-37  |
| chr7 | 51379 | 51384 | 1.93E-46  |
| chr7 | 51380 | 51385 | 2.15E-44  |
| chr7 | 51381 | 51386 | 1.63E-23  |
| chr7 | 51382 | 51387 | 1.37E-28  |
| chr7 | 51383 | 51388 | 1.01E-19  |
| chr7 | 51384 | 51389 | 6.67E-20  |
| chr7 | 51594 | 51599 | 0.000244627 |
| chr7 | 51595 | 51600 | 0.000123772 |
| chr7 | 51824 | 51829 | 0.000135374 |
| chr7 | 51845 | 51850 | 7.62E-07  |
| chr7 | 51846 | 51851 | 4.03E-13  |
| chr7 | 51847 | 51852 | 4.15E-09  |
| chr7 | 51848 | 51853 | 1.49E-06  |
| chr7 | 51982 | 51987 | 9.47E-07  |
| chr7 | 51983 | 51988 | 8.04E-09  |
| chr7 | 52002 | 52007 | 5.58E-05  |
| chr7 | 52003 | 52008 | 2.33E-05  |
| chr7 | 52011 | 52016 | 2.38E-13  |
| chr7 | 52012 | 52017 | 2.31E-09  |
| chr7 | 52013 | 52018 | 3.17E-06  |
| chr7 | 52023 | 52028 | 2.15E-07  |
| chr7 | 52024 | 52029 | 3.43E-08  |
| chr7 | 52025 | 52030 | 1.60E-11  |
| chr7 | 52056 | 52061 | 4.71E-05  |
| chr7 | 52057 | 52062 | 5.61E-09  |
| chr7 | 52060 | 52065 | 1.76E-07  |
| chr7 | 52073 | 52078 | 1.85E-09  |
| chr7 | 52074 | 52079 | 9.72E-10  |
| chr7 | 52098 | 52103 | 1.33E-07  |
| chr7 | 52119 | 52124 | 0.001846203 |
| chr7 | 52120 | 52125 | 0.001183186 |
| chr7 | 52121 | 52126 | 1.89E-07  |
| chr7 | 52142 | 52147 | 2.41E-07  |
| chr7 | 52143 | 52148 | 1.50E-07  |
| chr7 | 52157 | 52162 | 2.30E-05  |
| chr7 | 52193 | 52198 | 3.81E-11  |
| chr7 | 52194 | 52199 | 6.03E-19  |
| chr7 | 52195 | 52200 | 1.51E-14  |
| chr7 | 52196 | 52201 | 4.07E-15  |
| chr7 | 52206 | 52211 | 8.58E-07  |
| chr7 | 52207 | 52212 | 1.60E-07  |
| chr7 | 52208 | 52213 | 1.60E-07  |
| chr7 | 52211 | 52216 | 2.45E-05  |
| chr7 | 52220 | 52225 | 6.69E-05  |
| chr7 | 52281 | 52286 | 0.000112502 |
| Chromosome | Start Position | End Position | Score |
|------------|----------------|--------------|-------|
| chr7       | 5228001        | 52287000     | 0.000352481 |
| chr7       | 52283001       | 52288000     | 5.85E-05   |
| chr7       | 52312001       | 52317000     | 0.000262071 |
| chr7       | 52323001       | 52328000     | 1.10E-11   |
| chr7       | 52346001       | 52351000     | 3.19E-05   |
| chr7       | 52364001       | 52369000     | 5.42E-08   |
| chr7       | 52383001       | 52388000     | 0.002629544 |
| chr7       | 52387001       | 52392000     | 1.71E-09   |
| chr7       | 52388001       | 52393000     | 2.37E-10   |
| chr7       | 52389001       | 52394000     | 2.55E-10   |
| chr7       | 52411001       | 52416000     | 3.67E-05   |
| chr7       | 52412001       | 52417000     | 1.28E-05   |
| chr7       | 52474001       | 52479000     | 0.00259937 |
| chr7       | 52475001       | 52480000     | 0.000516418 |
| chr7       | 52476001       | 52481000     | 0.005094035 |
| chr7       | 52559001       | 52564000     | 0.001658263 |
| chr7       | 52560001       | 52565000     | 0.002839612 |
| chr7       | 52581001       | 52586000     | 8.08E-07   |
| chr7       | 52620001       | 52625000     | 1.20E-09   |
| chr7       | 52631001       | 52636000     | 1.25E-10   |
| chr7       | 52632001       | 52637000     | 2.58E-10   |
| chr7       | 52634001       | 52639000     | 5.75E-09   |
| chr7       | 52642001       | 52647000     | 1.47E-05   |
| chr7       | 52643001       | 52648000     | 8.53E-06   |
| chr7       | 52666001       | 52671000     | 9.90E-07   |
| chr7       | 52692001       | 52697000     | 6.79E-10   |
| chr7       | 52776001       | 52781000     | 0.000166656 |
| chr7       | 52777001       | 52782000     | 0.001325037 |
| chr7       | 52822001       | 52827000     | 0.000532939 |
| chr7       | 52850001       | 52855000     | 2.37E-05   |
| chr7       | 52851001       | 52856000     | 2.94E-06   |
| chr7       | 52868001       | 52873000     | 3.26E-16   |
| chr7       | 52869001       | 52874000     | 4.96E-07   |
| chr7       | 52892001       | 52897000     | 0.00013024 |
| chr7       | 52893001       | 52898000     | 2.10E-06   |
| chr7       | 52894001       | 52899000     | 9.27E-05   |
| chr7       | 52926001       | 52931000     | 1.06E-07   |
| chr7       | 52939001       | 52944000     | 6.34E-05   |
| chr7       | 52940001       | 52945000     | 2.77E-05   |
| chr7       | 52968001       | 52973000     | 1.55E-05   |
| chr7       | 52969001       | 52974000     | 2.08E-07   |
| chr7       | 52970001       | 52975000     | 3.95E-07   |
| chr7       | 52971001       | 52976000     | 1.90E-06   |
| chr7       | 52972001       | 52977000     | 0.000190453 |
| chr7       | 53010001       | 53015000     | 2.77E-06   |
| chr7       | 53011001       | 53016000     | 0.004391287 |
| chr7       | 53046001       | 53051000     | 5.28E-05   |
| chr7       | 53047001       | 53052000     | 5.02E-05   |
| Chromosome | Start Base | End Base | P-value |
|------------|------------|----------|---------|
| chr7       | 55050001   | 55055000 | 2.52E-09|
| chr7       | 55051001   | 55056000 | 2.01E-07|
| chr7       | 55052001   | 55057000 | 4.62E-08|
| chr7       | 55053001   | 55058000 | 3.68E-07|
| chr7       | 55054001   | 55059000 | 5.74E-33|
| chr7       | 55640001   | 55645000 | 3.06E-58|
| chr7       | 56333001   | 56338000 | 1.03E-18|
| chr7       | 56364001   | 56369000 | 1.77E-17|
| chr7       | 56365001   | 56370000 | 4.09E-19|
| chr7       | 56366001   | 56371000 | 7.77E-14|
| chr7       | 56367001   | 56372000 | 1.14E-05|
| chr7       | 56626001   | 56631000 | 1.22E-10|
| chr7       | 56628001   | 56633000 | 1.04E-09|
| chr7       | 56704001   | 56709000 | 6.13E-13|
| chr7       | 56730001   | 56735000 | 2.95E-08|
| chr7       | 56731001   | 56736000 | 1.95E-07|
| chr7       | 56896001   | 56901000 | 6.00E-07|
| chr7       | 56897001   | 56902000 | 0.000117999|
| chr7       | 56906001   | 56911000 | 9.81E-10|
| chr7       | 56927001   | 56932000 | 0.000320638|
| chr7       | 56928001   | 56933000 | 9.29E-05|
| chr7       | 56970001   | 56975000 | 1.12E-07|
| chr7       | 56973001   | 56978000 | 1.94E-05|
| chr7       | 57058001   | 57063000 | 3.63E-05|
| chr7       | 57122001   | 57127000 | 7.83E-09|
| chr7       | 57501001   | 57506000 | 7.26E-07|
| chr7       | 57529001   | 57534000 | 0.003848581|
| chr7       | 57668001   | 57673000 | 0.006614496|
| chr7       | 62469001   | 62474000 | 2.79E-11|
| chr7       | 62507001   | 62512000 | 1.66E-09|
| chr7       | 62657001   | 62662000 | 2.24E-11|
| chr7       | 62668001   | 62673000 | 2.81E-13|
| chr7       | 62824001   | 62829000 | 6.20E-06|
| chr7       | 62916001   | 62921000 | 0.002395987|
| chr7       | 62939001   | 62944000 | 2.00E-07|
| chr7       | 62940001   | 62945000 | 1.70E-07|
| chr7       | 63071001   | 63076000 | 0.00017366|
| chr7       | 63111001   | 63116000 | 0.001572383|
| chr7       | 63184001   | 63189000 | 6.66E-05|
| chr7       | 63185001   | 63190000 | 1.07E-05|
| chr7       | 63186001   | 63191000 | 0.000143937|
| chr7       | 63243001   | 63248000 | 0.00129519|
| chr7       | 63259001   | 63264000 | 0.000192453|
| chr7       | 63261001   | 63266000 | 1.80E-18|
| chr7       | 63262001   | 63267000 | 2.02E-16|
| chr7       | 63265001   | 63270000 | 1.54E-16|
| chr7       | 63272001   | 63277000 | 0.000257926|
| chr7       | 63273001   | 63278000 | 3.29E-06|
| Chr  | Pos1   | Pos2   | p-value   |
|------|--------|--------|-----------|
| chr7 | 63274001 | 63279000 | 1.39E-07  |
| chr7 | 63276001 | 63281000 | 6.50E-06  |
| chr7 | 63285001 | 63290000 | 5.48E-10  |
| chr7 | 63298001 | 63303000 | 8.11E-09  |
| chr7 | 63320001 | 63325000 | 1.01E-08  |
| chr7 | 63378001 | 63383000 | 1.02E-06  |
| chr7 | 63405001 | 63410000 | 2.79E-08  |
| chr7 | 63406001 | 63411000 | 5.69E-08  |
| chr7 | 63424001 | 63429000 | 1.46E-10  |
| chr7 | 63440001 | 63445000 | 0.002664225 |
| chr7 | 63441001 | 63446000 | 0.00012542 |
| chr7 | 63449001 | 63454000 | 6.13E-11  |
| chr7 | 63450001 | 63455000 | 3.07E-11  |
| chr7 | 63451001 | 63456000 | 1.12E-05  |
| chr7 | 63453001 | 63458000 | 6.92E-09  |
| chr7 | 63504001 | 63509000 | 5.27E-18  |
| chr7 | 63505001 | 63510000 | 2.81E-21  |
| chr7 | 63506001 | 63511000 | 1.24E-20  |
| chr7 | 63588001 | 63593000 | 5.91E-11  |
| chr7 | 63605001 | 63610000 | 1.82E-07  |
| chr7 | 63624001 | 63629000 | 3.03E-08  |
| chr7 | 63673001 | 63678000 | 0.001867358 |
| chr7 | 63730001 | 63735000 | 2.95E-05  |
| chr7 | 63731001 | 63736000 | 1.10E-08  |
| chr7 | 63732001 | 63737000 | 9.13E-09  |
| chr7 | 63733001 | 63738000 | 4.56E-07  |
| chr7 | 63734001 | 63739000 | 2.52E-07  |
| chr7 | 63773001 | 63778000 | 2.62E-13  |
| chr7 | 63774001 | 63779000 | 3.59E-25  |
| chr7 | 63775001 | 63780000 | 2.64E-07  |
| chr7 | 63952001 | 63957000 | 8.01E-20  |
| chr7 | 63953001 | 63958000 | 1.19E-27  |
| chr7 | 63954001 | 63959000 | 1.35E-42  |
| chr7 | 63955001 | 63960000 | 1.17E-41  |
| chr7 | 63999001 | 64004000 | 7.53E-08  |
| chr7 | 64063001 | 64068000 | 1.79E-10  |
| chr7 | 64064001 | 64069000 | 9.91E-12  |
| chr7 | 64065001 | 64070000 | 2.98E-13  |
| chr7 | 64066001 | 64071000 | 2.03E-11  |
| chr7 | 64123001 | 64128000 | 3.16E-11  |
| chr7 | 64124001 | 64129000 | 3.95E-09  |
| chr7 | 64254001 | 64259000 | 2.46E-17  |
| chr7 | 64255001 | 64260000 | 1.07E-15  |
| chr7 | 64441001 | 64446000 | 0.001408597 |
| chr7 | 64462001 | 64467000 | 9.18E-16  |
| chr7 | 64463001 | 64468000 | 4.52E-14  |
| chr7 | 64464001 | 64469000 | 7.92E-13  |
| chr7 | 64465001 | 64470000 | 3.57E-08  |
| Chr | Start       | End         | P-value  |
|-----|-------------|-------------|----------|
| chr7| 64537001    | 64540000    | 5.69E-31 |
| chr7| 64538001    | 64541000    | 9.94E-34 |
| chr7| 64539001    | 64542000    | 1.58E-28 |
| chr7| 64708001    | 64711000    | 1.88E-09 |
| chr7| 64709001    | 64714000    | 4.77E-13 |
| chr7| 64710001    | 64715000    | 1.04E-10 |
| chr7| 64711001    | 64716000    | 1.26E-22 |
| chr7| 64712001    | 64717000    | 3.36E-53 |
| chr7| 64750001    | 64755000    | 0.006622326 |
| chr7| 64752001    | 64757000    | 0.001541507 |
| chr7| 64834001    | 64839000    | 6.66E-27 |
| chr7| 64835001    | 64840000    | 1.57E-26 |
| chr7| 64836001    | 64841000    | 8.08E-32 |
| chr7| 64837001    | 64842000    | 6.03E-34 |
| chr7| 64974001    | 64979000    | 2.47E-33 |
| chr7| 64976001    | 64981000    | 2.75E-05 |
| chr7| 65211001    | 65216000    | 1.34E-12 |
| chr7| 65212001    | 65217000    | 8.70E-21 |
| chr7| 65213001    | 65218000    | 3.20E-28 |
| chr7| 65214001    | 65219000    | 7.38E-38 |
| chr7| 65215001    | 65220000    | 1.50E-40 |
| chr7| 65216001    | 65221000    | 2.26E-33 |
| chr7| 65231001    | 65236000    | 5.91E-35 |
| chr7| 65232001    | 65237000    | 1.10E-28 |
| chr7| 65233001    | 65238000    | 1.18E-24 |
| chr7| 65334001    | 65339000    | 1.78E-59 |
| chr7| 65335001    | 65340000    | 4.02E-63 |
| chr7| 65336001    | 65341000    | 5.13E-63 |
| chr7| 65337001    | 65342000    | 4.40E-54 |
| chr7| 65338001    | 65343000    | 2.72E-35 |
| chr7| 65447001    | 65452000    | 4.35E-18 |
| chr7| 65536001    | 65541000    | 7.14E-08 |
| chr7| 65576001    | 65581000    | 1.58E-24 |
| chr7| 65577001    | 65582000    | 2.49E-23 |
| chr7| 65578001    | 65583000    | 2.34E-21 |
| chr7| 65579001    | 65584000    | 2.19E-19 |
| chr7| 65580001    | 65585000    | 8.53E-15 |
| chr7| 65666001    | 65671000    | 6.67E-31 |
| chr7| 65875001    | 65880000    | 1.48E-14 |
| chr7| 65876001    | 65881000    | 6.16E-13 |
| chr7| 66115001    | 66120000    | 6.70E-50 |
| chr7| 66116001    | 66121000    | 1.09E-47 |
| chr7| 66117001    | 66122000    | 1.45E-50 |
| chr7| 66119001    | 66124000    | 2.48E-37 |
| chr7| 66382001    | 66387000    | 1.62E-32 |
| chr7| 66899001    | 66904000    | 3.67E-06 |
| chr7| 66929001    | 66934000    | 3.29E-05 |
| Chromosome | Start | End   | Value       |
|------------|-------|-------|-------------|
| chr7       | 67100001 | 67105000 | 1.59E-12    |
| chr7       | 67101001 | 67106000 | 3.39E-13    |
| chr7       | 67103001 | 67108000 | 1.12E-07    |
| chr7       | 67166001 | 67171000 | 0.000448561 |
| chr7       | 67220001 | 67225000 | 5.46E-13    |
| chr7       | 67221001 | 67226000 | 7.44E-12    |
| chr7       | 67222001 | 67227000 | 6.56E-13    |
| chr7       | 67223001 | 67228000 | 8.82E-10    |
| chr7       | 67224001 | 67229000 | 7.01E-10    |
| chr7       | 67288001 | 67293000 | 3.90E-10    |
| chr7       | 67339001 | 67344000 | 2.02E-09    |
| chr7       | 67358001 | 67363000 | 1.39E-07    |
| chr7       | 67359001 | 67364000 | 1.40E-07    |
| chr7       | 67360001 | 67365000 | 2.83E-06    |
| chr7       | 67501001 | 67506000 | 0.00013299  |
| chr7       | 68037001 | 68042000 | 1.54E-06    |
| chr7       | 68038001 | 68043000 | 3.38E-09    |
| chr7       | 68368001 | 68373000 | 4.23E-06    |
| chr7       | 68369001 | 68374000 | 1.22E-06    |
| chr7       | 68370001 | 68375000 | 1.82E-06    |
| chr7       | 68470001 | 68475000 | 0.001749779 |
| chr7       | 68477001 | 68482000 | 0.001992103 |
| chr7       | 68478001 | 68483000 | 0.002537729 |
| chr7       | 68479001 | 68484000 | 0.000292073 |
| chr7       | 68873001 | 68878000 | 1.14E-10    |
| chr7       | 69058001 | 69063000 | 5.44E-35    |
| chr7       | 69059001 | 69064000 | 8.94E-41    |
| chr7       | 69069001 | 69074000 | 0.008344979 |
| chr7       | 69072001 | 69077000 | 9.14E-06    |
| chr7       | 69141001 | 69146000 | 3.47E-07    |
| chr7       | 69142001 | 69147000 | 2.20E-10    |
| chr7       | 69158001 | 69163000 | 0.000613413 |
| chr7       | 69159001 | 69164000 | 3.63E-05    |
| chr7       | 69182001 | 69187000 | 1.18E-06    |
| chr7       | 69240001 | 69245000 | 1.74E-07    |
| chr7       | 69241001 | 69246000 | 0.000364869 |
| chr7       | 69329001 | 69334000 | 1.90E-06    |
| chr7       | 69385001 | 69390000 | 2.75E-05    |
| chr7       | 69417001 | 69422000 | 4.41E-06    |
| chr7       | 69418001 | 69423000 | 3.51E-06    |
| chr7       | 69602001 | 69607000 | 0.000181138 |
| chr7       | 69603001 | 69608000 | 0.000103072 |
| chr7       | 69604001 | 69609000 | 0.000129074 |
| chr7       | 69711001 | 69716000 | 1.03E-05    |
| chr7       | 69793001 | 69798000 | 0.000299139 |
| chr7       | 69794001 | 69799000 | 1.47E-06    |
| chr7       | 69795001 | 69800000 | 8.97E-07    |
| chr7       | 69796001 | 69801000 | 9.49E-09    |
| Chr | Start | End   | p-value     |
|-----|-------|-------|-------------|
| chr7| 69806001 | 69811000 | 0.000711749|
| chr7| 70154001 | 70159000 | 0.000154597|
| chr7| 70155001 | 70160000 | 2.47E-13    |
| chr7| 70323001 | 70328000 | 0.000183858 |
| chr7| 70351001 | 70356000 | 1.07E-05    |
| chr7| 70352001 | 70357000 | 0.000172337 |
| chr7| 70381001 | 70386000 | 6.27E-10    |
| chr7| 70382001 | 70387000 | 1.51E-05    |
| chr7| 70449001 | 70454000 | 6.69E-05    |
| chr7| 70452001 | 70457000 | 7.66E-06    |
| chr7| 70453001 | 70458000 | 1.05E-08    |
| chr7| 70455001 | 70460000 | 1.16E-05    |
| chr7| 70456001 | 70461000 | 1.79E-05    |
| chr7| 70503001 | 70508000 | 9.86E-10    |
| chr7| 70504001 | 70509000 | 2.69E-06    |
| chr7| 70553001 | 70558000 | 1.19E-05    |
| chr7| 70555001 | 70560000 | 5.04E-09    |
| chr7| 70587001 | 70592000 | 6.55E-08    |
| chr7| 70588001 | 70593000 | 7.04E-08    |
| chr7| 70589001 | 70594000 | 3.11E-08    |
| chr7| 70644001 | 70649000 | 2.40E-09    |
| chr7| 70657001 | 70662000 | 3.30E-11    |
| chr7| 70673001 | 70678000 | 4.10E-08    |
| chr7| 70674001 | 70679000 | 1.28E-11    |
| chr7| 70675001 | 70680000 | 6.05E-15    |
| chr7| 70676001 | 70681000 | 3.73E-12    |
| chr7| 70677001 | 70682000 | 3.54E-09    |
| chr7| 70687001 | 70692000 | 8.12E-12    |
| chr7| 70688001 | 70693000 | 4.20E-13    |
| chr7| 70689001 | 70694000 | 1.01E-08    |
| chr7| 70786001 | 70791000 | 2.82E-08    |
| chr7| 70787001 | 70792000 | 8.20E-11    |
| chr7| 70788001 | 70793000 | 7.34E-09    |
| chr7| 70789001 | 70794000 | 1.59E-08    |
| chr7| 70790001 | 70795000 | 3.85E-05    |
| chr7| 70797001 | 70802000 | 1.47E-12    |
| chr7| 70798001 | 70803000 | 8.89E-26    |
| chr7| 70799001 | 70804000 | 3.23E-21    |
| chr7| 70874001 | 70879000 | 2.87E-09    |
| chr7| 70910001 | 70915000 | 2.17E-06    |
| chr7| 70911001 | 70916000 | 9.57E-07    |
| chr7| 70912001 | 70917000 | 3.08E-07    |
| chr7| 70913001 | 70918000 | 2.08E-06    |
| chr7| 70914001 | 70919000 | 8.22E-08    |
| chr7| 70923001 | 70928000 | 5.01E-11    |
| chr7| 70925001 | 70930000 | 6.14E-08    |
| chr7| 71018001 | 71023000 | 1.43E-06    |
| chr7| 71042001 | 71047000 | 1.67E-07    |
| Chromosome | Start Position | End Position | P-value  |
|------------|----------------|--------------|----------|
| chr7       | 71204001       | 71209000     | 1.39E-05 |
| chr7       | 72294001       | 72299000     | 8.97E-15 |
| chr7       | 72345001       | 72350000     | 1.80E-13 |
| chr7       | 72346001       | 72351000     | 1.01E-25 |
| chr7       | 72347001       | 72352000     | 1.17E-25 |
| chr7       | 72348001       | 72353000     | 8.14E-21 |
| chr7       | 72349001       | 72354000     | 1.89E-25 |
| chr7       | 72350001       | 72355000     | 1.02E-47 |
| chr7       | 72393001       | 72398000     | 3.89E-24 |
| chr7       | 72394001       | 72399000     | 2.68E-42 |
| chr7       | 72395001       | 72400000     | 3.48E-70 |
| chr7       | 72421001       | 72426000     | 2.19E-07 |
| chr7       | 72721001       | 72726000     | 3.83E-14 |
| chr7       | 72967001       | 72972000     | 5.62E-27 |
| chr7       | 73061001       | 73066000     | 0.001349465 |
| chr7       | 73078001       | 73083000     | 1.88E-07 |
| chr7       | 73131001       | 73136000     | 3.56E-12 |
| chr7       | 73132001       | 73137000     | 2.28E-15 |
| chr7       | 73133001       | 73138000     | 5.97E-15 |
| chr7       | 73498001       | 73503000     | 1.18E-09 |
| chr7       | 73700001       | 73705000     | 8.18E-17 |
| chr7       | 73701001       | 73706000     | 7.90E-07 |
| chr7       | 73702001       | 73707000     | 6.99E-05 |
| chr7       | 74305001       | 74310000     | 5.92E-10 |
| chr7       | 74306001       | 74311000     | 2.02E-17 |
| chr7       | 74485001       | 74490000     | 1.47E-09 |
| chr7       | 74486001       | 74491000     | 2.75E-07 |
| chr7       | 74487001       | 74492000     | 8.21E-19 |
| chr7       | 74488001       | 74493000     | 3.20E-23 |
| chr7       | 74489001       | 74494000     | 3.12E-15 |
| chr7       | 74504001       | 74509000     | 1.10E-07 |
| chr7       | 74505001       | 74510000     | 5.36E-08 |
| chr7       | 75067001       | 75072000     | 4.01E-13 |
| chr7       | 75068001       | 75073000     | 5.94E-13 |
| chr7       | 75069001       | 75074000     | 1.34E-09 |
| chr7       | 75070001       | 75075000     | 9.06E-10 |
| chr7       | 75111001       | 75116000     | 2.81E-28 |
| chr7       | 75112001       | 75117000     | 2.23E-19 |
| chr7       | 75152001       | 75157000     | 1.79E-13 |
| chr7       | 75264001       | 75269000     | 4.48E-12 |
| chr7       | 75265001       | 75270000     | 4.66E-13 |
| chr7       | 75266001       | 75271000     | 9.95E-15 |
| chr7       | 75267001       | 75272000     | 1.68E-08 |
| chr7       | 75268001       | 75273000     | 1.83E-08 |
| chr7       | 75364001       | 75369000     | 1.27E-06 |
| chr7       | 75492001       | 75497000     | 1.96E-06 |
| chr7       | 75493001       | 75498000     | 3.32E-07 |
| chr7       | 75494001       | 75499000     | 9.73E-09 |
chr7  75988001  75993000  9.68E-10
chr7  76018001  76023000  2.67E-14
chr7  76019001  76024000  2.29E-15
chr7  76020001  76025000  1.02E-26
chr7  76021001  76026000  7.73E-20
chr7  76022001  76027000  8.75E-10
chr7  76174001  76179000  3.05E-35
chr7  76175001  76180000  7.29E-47
chr7  76176001  76181000  1.09E-20
chr7  76177001  76182000  3.79E-16
chr7  76178001  76183000  5.96E-16
chr7  76179001  76184000  3.75E-18
chr7  76231001  76236000  1.71E-06
chr7  76747001  76752000  4.53E-38
chr7  76748001  76753000  4.89E-35
chr7  76749001  76754000  1.25E-44
chr7  76750001  76755000  1.46E-33
chr7  76751001  76756000  1.05E-35
chr7  77045001  77050000  1.28E-38
chr7  77428001  77433000  6.64E-46
chr7  77649001  77654000  8.51E-31
chr7  77911001  77916000  0.000100369
chr7  77965001  77970000  0.02141183
chr7  78032001  78037000  1.60E-07
chr7  78033001  78038000  1.09E-06
chr7  78188001  78193000  1.34E-06
chr7  78224001  78229000  3.64E-05
chr7  78372001  78377000  0.011333376
chr7  78491001  78496000  0.001171877
chr7  78657001  78662000  0.000131241
chr7  78658001  78663000  0.000528933
chr7  78659001  78664000  0.000736007
chr7  78665001  78670000  0.002760086
chr7  78673001  78678000  0.000288727
chr7  78674001  78679000  8.77E-05
chr7  78714001  78719000  0.00287544
chr7  78739001  78744000  4.29E-08
chr7  78748001  78753000  5.64E-05
chr7  78749001  78754000  5.37E-06
chr7  78750001  78755000  1.34E-07
chr7  79481001  79486000  0.001444275
chr7  80548001  80553000  1.25E-42
chr7  80550001  80555000  0.012716769
chr7  80777001  80782000  0.036664948
chr7  82068001  82073000  2.96E-63
chr7  82069001  82074000  5.61E-54
chr7  82070001  82075000  7.25E-73
chr7  82071001  82076000  7.79E-63
| chr7 | start | end   | p-value |
|------|-------|-------|---------|
|     | 82072001 | 82077000 | 4.33E-57 |
|     | 82073001 | 82078000 | 3.85E-46 |
|     | 82787001 | 82792000 | 1.85E-27 |
|     | 82788001 | 82793000 | 4.53E-41 |
|     | 82789001 | 82794000 | 5.09E-80 |
|     | 82790001 | 82795000 | 1.67E-83 |
|     | 82791001 | 82796000 | 3.27E-74 |
|     | 82792001 | 82797000 | 1.75E-68 |
|     | 82951001 | 82956000 | 0.003206532 |
|     | 83819001 | 83824000 | 0.000212834 |
|     | 83822001 | 83827000 | 4.77E-06 |
|     | 84608001 | 84613000 | 3.47E-07 |
|     | 84743001 | 84748000 | 0.00112037 |
|     | 84780001 | 84785000 | 0.003398757 |
|     | 84810001 | 84815000 | 1.67E-33 |
|     | 84811001 | 84816000 | 8.76E-28 |
|     | 84832001 | 84837000 | 0.000306976 |
|     | 84833001 | 84838000 | 0.001945881 |
|     | 84834001 | 84839000 | 0.002017449 |
|     | 84842001 | 84847000 | 0.018968511 |
|     | 84843001 | 84848000 | 0.008543595 |
|     | 84880001 | 84885000 | 3.61E-08 |
|     | 84881001 | 84886000 | 7.18E-11 |
|     | 84882001 | 84887000 | 1.28E-08 |
|     | 84892001 | 84897000 | 0.001043412 |
|     | 84893001 | 84898000 | 0.000164564 |
|     | 84894001 | 84899000 | 0.000128396 |
|     | 84976001 | 84981000 | 0.000662424 |
|     | 84980001 | 84985000 | 9.16E-05 |
|     | 84981001 | 84986000 | 0.000694813 |
|     | 84982001 | 84987000 | 0.000169126 |
|     | 84983001 | 84988000 | 0.000228156 |
|     | 84984001 | 84989000 | 0.000349896 |
|     | 84997001 | 85002000 | 6.36E-05 |
|     | 84998001 | 85003000 | 0.000404162 |
|     | 85031001 | 85036000 | 0.001959405 |
|     | 85032001 | 85037000 | 0.010219852 |
|     | 85054001 | 85059000 | 4.65E-05 |
|     | 85055001 | 85060000 | 8.04E-06 |
|     | 85435001 | 85440000 | 0.013125894 |
|     | 85436001 | 85441000 | 0.012826252 |
|     | 85513001 | 85518000 | 0.001298135 |
|     | 85514001 | 85519000 | 0.000296096 |
|     | 85515001 | 85520000 | 0.00028069 |
|     | 85538001 | 85543000 | 0.00147463 |
|     | 85539001 | 85544000 | 0.00147463 |
|     | 85540001 | 85545000 | 3.18E-05 |
|     | 85585001 | 85590000 | 0.000329917 |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr7       | 85621001 | 85626000 | 5.38E-06  |
| chr7       | 85731001 | 85736000 | 0.00184467 |
| chr7       | 85732001 | 85737000 | 5.19E-06  |
| chr7       | 85733001 | 85738000 | 1.89E-08  |
| chr7       | 85734001 | 85739000 | 9.47E-06  |
| chr7       | 85760001 | 85765000 | 1.21E-13  |
| chr7       | 85769001 | 85774000 | 0.000297164 |
| chr7       | 85770001 | 85775000 | 0.000765795 |
| chr7       | 85783001 | 85788000 | 2.58E-06  |
| chr7       | 85784001 | 85789000 | 8.62E-12  |
| chr7       | 85785001 | 85790000 | 1.94E-12  |
| chr7       | 85786001 | 85791000 | 1.56E-13  |
| chr7       | 85787001 | 85792000 | 4.04E-09  |
| chr7       | 85822001 | 85827000 | 9.66E-06  |
| chr7       | 85883001 | 85888000 | 9.39E-08  |
| chr7       | 85884001 | 85889000 | 3.21E-06  |
| chr7       | 85965001 | 85970000 | 7.07E-22  |
| chr7       | 85966001 | 85971000 | 9.63E-24  |
| chr7       | 85967001 | 85972000 | 1.24E-21  |
| chr7       | 85968001 | 85973000 | 4.51E-19  |
| chr7       | 85969001 | 85974000 | 1.13E-13  |
| chr7       | 86060001 | 86065000 | 0.002901517 |
| chr7       | 86084001 | 86089000 | 1.98E-05  |
| chr7       | 86099001 | 86104000 | 8.38E-05  |
| chr7       | 86101001 | 86106000 | 0.002061956 |
| chr7       | 86102001 | 86107000 | 0.000596095 |
| chr7       | 86103001 | 86108000 | 0.000889322 |
| chr7       | 86141001 | 86146000 | 0.000242469 |
| chr7       | 86143001 | 86148000 | 3.41E-06  |
| chr7       | 86205001 | 86210000 | 0.004505308 |
| chr7       | 86206001 | 86211000 | 0.000674533 |
| chr7       | 86207001 | 86212000 | 0.00060423 |
| chr7       | 86208001 | 86213000 | 0.000526138 |
| chr7       | 86209001 | 86214000 | 9.72E-06  |
| chr7       | 86213001 | 86218000 | 3.39E-11  |
| chr7       | 86259001 | 86264000 | 8.96E-05  |
| chr7       | 86260001 | 86265000 | 0.000620227 |
| chr7       | 86262001 | 86267000 | 0.0002209511 |
| chr7       | 86303001 | 86308000 | 0.001261303 |
| chr7       | 86375001 | 86380000 | 0.000239074 |
| chr7       | 86376001 | 86381000 | 1.23E-05  |
| chr7       | 86377001 | 86382000 | 0.00032993 |
| chr7       | 86378001 | 86383000 | 0.000283424 |
| chr7       | 86542001 | 86547000 | 0.0001014743 |
| chr7       | 86543001 | 86548000 | 0.003869494 |
| chr7       | 86544001 | 86549000 | 0.002366426 |
| chr7       | 86545001 | 86550000 | 0.000902146 |
| chr7       | 86665001 | 86670000 | 2.46E-12  |
| Chromosome | Start Position | End Position | P-value       |
|------------|----------------|--------------|---------------|
| chr7       | 8666001        | 8667000      | 9.80E-18      |
| chr7       | 8668001        | 8669000      | 2.84E-105     |
| chr7       | 8669001        | 8670000      | 1.41E-95      |
| chr7       | 8669100        | 8670000      | 2.42E-80      |
| chr7       | 8669200        | 8669900      | 9.78E-70      |
| chr7       | 8672100        | 8672600      | 9.77E-10      |
| chr7       | 8673000        | 8673500      | 4.11E-18      |
| chr7       | 8684001        | 8685000      | 6.98E-12      |
| chr7       | 8689100        | 8690000      | 1.83E-11      |
| chr7       | 8690000        | 8690500      | 9.77E-10      |
| chr7       | 8690500        | 8690900      | 4.11E-18      |
| chr7       | 8695000        | 8696000      | 6.98E-15      |
| chr7       | 8697000        | 8697500      | 2.44E-24      |
| chr7       | 8697100        | 8697600      | 1.64E-35      |
| chr7       | 8697200        | 8697700      | 3.23E-37      |
| chr7       | 8697300        | 8697800      | 5.02E-48      |
| chr7       | 8697400        | 8697900      | 4.84E-55      |
| chr7       | 8697500        | 8698000      | 1.40E-27      |
| chr7       | 8706200        | 8706700      | 0.002303178   |
| chr7       | 8706300        | 8706800      | 0.003980874   |
| chr7       | 8711700        | 8712200      | 0.001489177   |
| chr7       | 8712100        | 8712600      | 0.002433636   |
| chr7       | 8726100        | 8726600      | 0.006098659   |
| chr7       | 8737700        | 8738200      | 1.63E-07      |
| chr7       | 8755900        | 8756400      | 4.20E-30      |
| chr7       | 8756000        | 8756500      | 1.01E-19      |
| chr7       | 8756100        | 8756600      | 2.49E-16      |
| chr7       | 8756200        | 8756700      | 7.68E-19      |
| chr7       | 8756300        | 8756800      | 4.14E-18      |
| chr7       | 8756400        | 8756900      | 7.14E-17      |
| chr7       | 8762900        | 8763400      | 0.013518174   |
| chr7       | 8763000        | 8763500      | 0.018472826   |
| chr7       | 8779200        | 8779700      | 1.88E-06      |
| chr7       | 8779300        | 8779800      | 2.14E-05      |
| chr7       | 8779400        | 8779900      | 2.60E-05      |
| chr7       | 8784400        | 8784900      | 9.46E-13      |
| chr7       | 8793400        | 8793900      | 6.88E-16      |
| chr7       | 8793500        | 8794000      | 1.49E-17      |
| chr7       | 8793600        | 8794100      | 1.24E-16      |
| chr7       | 8795400        | 8795900      | 0.003924895   |
| Chr  | Start   | End     | Value     |
|------|---------|---------|-----------|
| chr7 | 88059001| 88064000| 1.07E-06  |
| chr7 | 88060001| 88065000| 2.16E-06  |
| chr7 | 88061001| 88066000| 7.65E-06  |
| chr7 | 88160001| 88165000| 1.18E-05  |
| chr7 | 88215001| 88220000| 0.00160276|
| chr7 | 88235001| 88240000| 6.85E-10  |
| chr7 | 88237001| 88242000| 2.35E-07  |
| chr7 | 88250001| 88255000| 0.003103496|
| chr7 | 88407001| 88412000| 0.000285472|
| chr7 | 88441001| 88446000| 0.0003120697|
| chr7 | 88442001| 88447000| 0.003120697|
| chr7 | 88470001| 88475000| 0.000525822|
| chr7 | 88473001| 88478000| 0.000525822|
| chr7 | 88474001| 88479000| 0.000525822|
| chr7 | 88485001| 88490000| 0.000525822|
| chr7 | 88490001| 88495000| 0.000525822|
| chr7 | 88561001| 88566000| 0.000525822|
| chr7 | 88562001| 88567000| 0.000525822|
| chr7 | 88570001| 88575000| 0.000525822|
| chr7 | 88690001| 88695000| 0.000525822|
| chr7 | 88691001| 88696000| 0.000525822|
| chr7 | 88730001| 88780000| 0.000525822|
| chr7 | 88740001| 88790000| 0.000525822|
| chr7 | 88750001| 88800000| 0.000525822|
| chr7 | 88760001| 88810000| 0.000525822|
| chr7 | 88915001| 88920000| 0.000525822|
| chr7 | 88919001| 88924000| 0.000525822|
| chr7 | 88940001| 88945000| 0.000525822|
| chr7 | 89003001| 89008000| 0.000525822|
| chr7 | 89006001| 89011000| 0.000525822|
| chr7 | 89012001| 89017000| 0.000525822|
| chr7 | 89013001| 89018000| 0.000525822|
| chr7 | 89055001| 89060000| 0.000525822|
| chr7 | 89111001| 89116000| 0.000525822|
| chr7 | 89112001| 89117000| 0.000525822|
| chr7 | 89113001| 89118000| 0.000525822|
| chr7 | 89114001| 89119000| 0.000525822|
| chr7 | 89122001| 89127000| 0.000525822|
| chr7 | 89123001| 89128000| 0.000525822|
| chr7 | 89213001| 89218000| 0.000525822|
| chr7 | 89235001| 89240000| 0.000525822|
| chr7 | 89236001| 89241000| 0.000525822|
| chr7 | 89237001| 89242000| 0.000525822|
| chr7 | 89238001| 89243000| 0.000525822|
| chr7 | 89239001| 89244000| 0.000525822|
| chr7 | 89334001| 89339000| 0.000525822|
| chr7 | 89341001| 89346000| 0.000525822|
| chr7 | 89342001| 89347000| 0.000525822|
| chr7  | 89367001 | 89372000 | 0.001017973 |
| chr7  | 89368001 | 89373000 | 0.00045748  |
| chr7  | 89369001 | 89374000 | 2.14E-05    |
| chr7  | 89370001 | 89375000 | 3.33E-05    |
| chr7  | 89405001 | 89410000 | 8.16E-05    |
| chr7  | 89413001 | 89418000 | 0.006518372 |
| chr7  | 89425001 | 89430000 | 2.94E-13    |
| chr7  | 89426001 | 89431000 | 7.82E-17    |
| chr7  | 89427001 | 89432000 | 2.16E-16    |
| chr7  | 89449001 | 89454000 | 0.008785727 |
| chr7  | 89524001 | 89529000 | 6.40E-06    |
| chr7  | 89544001 | 89549000 | 0.002741617 |
| chr7  | 89564001 | 89569000 | 0.009313336 |
| chr7  | 89585001 | 89590000 | 1.40E-08    |
| chr7  | 89586001 | 89591000 | 1.20E-06    |
| chr7  | 89612001 | 89617000 | 0.001279513 |
| chr7  | 89613001 | 89618000 | 0.000741555 |
| chr7  | 89614001 | 89619000 | 0.004609298 |
| chr7  | 89646001 | 89651000 | 0.000549785 |
| chr7  | 89647001 | 89652000 | 0.000571447 |
| chr7  | 89663001 | 89668000 | 1.38E-05    |
| chr7  | 89664001 | 89669000 | 1.01E-07    |
| chr7  | 89665001 | 89670000 | 1.10E-07    |
| chr7  | 89700001 | 89705000 | 2.65E-12    |
| chr7  | 89701001 | 89706000 | 2.25E-11    |
| chr7  | 89702001 | 89707000 | 2.66E-10    |
| chr7  | 89782001 | 89787000 | 6.34E-36    |
| chr7  | 89783001 | 89788000 | 3.74E-47    |
| chr7  | 89808001 | 89813000 | 0.00393189  |
| chr7  | 89837001 | 89842000 | 3.82E-24    |
| chr7  | 89853001 | 89858000 | 0.000110516 |
| chr7  | 89946001 | 89951000 | 3.14E-35    |
| chr7  | 89947001 | 89952000 | 1.06E-25    |
| chr7  | 90009001 | 90014000 | 3.18E-08    |
| chr7  | 90075001 | 90080000 | 2.90E-08    |
| chr7  | 90076001 | 90081000 | 4.99E-05    |
| chr7  | 90152001 | 90157000 | 1.73E-10    |
| chr7  | 90153001 | 90158000 | 2.20E-10    |
| chr7  | 90225001 | 90230000 | 5.31E-29    |
| chr7  | 90845001 | 90850000 | 4.41E-07    |
| chr7  | 90943001 | 90948000 | 0.006407365 |
| chr7  | 91028001 | 91033000 | 0.000170084 |
| chr7  | 91030001 | 91035000 | 7.78E-05    |
| chr7  | 91214001 | 91219000 | 3.67E-05    |
| chr7  | 91215001 | 91220000 | 0.000303728 |
| chr7  | 91292001 | 91297000 | 0.002196003 |
| chr7  | 91387001 | 91392000 | 8.50E-06    |
| chr7  | 91439001 | 91444000 | 0.002593765 |
| chromosome | start | end   | p-value   |
|------------|-------|-------|-----------|
| chr7       | 91440001 | 91445000 | 7.95E-06  |
| chr7       | 91441001 | 91446000 | 1.93E-05  |
| chr7       | 91759001 | 91764000 | 1.78E-43  |
| chr7       | 91870001 | 91875000 | 1.64E-34  |
| chr7       | 91871001 | 91876000 | 5.37E-65  |
| chr7       | 92072001 | 92077000 | 1.61E-52  |
| chr7       | 92073001 | 92078000 | 1.41E-35  |
| chr7       | 92153001 | 92158000 | 6.53E-53  |
| chr7       | 92259001 | 92264000 | 0.001315133 |
| chr7       | 92260001 | 92265000 | 8.43E-05  |
| chr7       | 92343001 | 92348000 | 4.96E-09  |
| chr7       | 92344001 | 92349000 | 6.72E-12  |
| chr7       | 92345001 | 92350000 | 6.72E-12  |
| chr7       | 92346001 | 92351000 | 2.82E-09  |
| chr7       | 92347001 | 92352000 | 1.99E-09  |
| chr7       | 92373001 | 92378000 | 1.52E-05  |
| chr7       | 92458001 | 92463000 | 1.11E-77  |
| chr7       | 92464001 | 92469000 | 8.34E-13  |
| chr7       | 92465001 | 92470000 | 4.80E-23  |
| chr7       | 92515001 | 92520000 | 1.14E-07  |
| chr7       | 92560001 | 92565000 | 1.62E-06  |
| chr7       | 92707001 | 92712000 | 0.00256686 |
| chr7       | 92708001 | 92713000 | 0.001518208 |
| chr7       | 93058001 | 93063000 | 1.16E-06  |
| chr7       | 93059001 | 93064000 | 2.09E-13  |
| chr7       | 93060001 | 93065000 | 3.07E-08  |
| chr7       | 93062001 | 93067000 | 1.87E-07  |
| chr7       | 93063001 | 93068000 | 3.11E-08  |
| chr7       | 93123001 | 93128000 | 0.011804298 |
| chr7       | 93199001 | 93204000 | 3.47E-30  |
| chr7       | 93200001 | 93205000 | 2.21E-79  |
| chr7       | 93201001 | 93206000 | 4.39E-78  |
| chr7       | 93202001 | 93207000 | 4.62E-52  |
| chr7       | 93218001 | 93223000 | 2.47E-14  |
| chr7       | 93219001 | 93224000 | 2.27E-11  |
| chr7       | 93467001 | 93472000 | 0.000721149 |
| chr7       | 93514001 | 93519000 | 7.04E-15  |
| chr7       | 93548001 | 93553000 | 1.06E-18  |
| chr7       | 93549001 | 93554000 | 3.38E-17  |
| chr7       | 93551001 | 93556000 | 2.01E-12  |
| chr7       | 93784001 | 93789000 | 6.06E-13  |
| chr7       | 93785001 | 93790000 | 1.73E-11  |
| chr7       | 93786001 | 93791000 | 1.06E-07  |
| chr7       | 93787001 | 93792000 | 4.72E-07  |
| chr7       | 93885001 | 93890000 | 4.98E-07  |
| chr7       | 94135001 | 94140000 | 4.07E-13  |
| chr7       | 94389001 | 94394000 | 0.001627346 |
| chr7       | 94390001 | 94395000 | 7.34E-05  |
chr7  94391001  94396000  0.000517109
chr7  94532001  94537000  2.26E-13
chr7  94533001  94538000  1.18E-65
chr7  94534001  94539000  4.86E-64
chr7  94535001  94540000  2.19E-64
chr7  94536001  94541000  2.15E-35
chr7  94537001  94542000  4.87E-38
chr7  94721001  94726000  0.000179002
chr7  95021001  95026000  5.29E-10
chr7  95022001  95027000  2.55E-11
chr7  95060001  95065000  2.09E-17
chr7  95061001  95066000  9.64E-17
chr7  95062001  95067000  5.29E-12
chr7  95064001  95069000  1.34E-28
chr7  95221001  95226000  1.80E-36
chr7  95222001  95227000  6.15E-43
chr7  95223001  95228000  2.28E-34
chr7  95224001  95229000  1.31E-35
chr7  95225001  95230000  5.78E-33
chr7  95226001  95231000  2.85E-21
chr7  95402001  95407000  5.35E-22
chr7  95473001  95478000  0.0002191
chr7  95553001  95558000  3.76E-06
chr7  95558001  95563000  1.55E-05
chr7  95700001  95705000  3.25E-12
chr7  95946001  95951000  4.15E-20
chr7  95947001  95952000  8.28E-57
chr7  95951001  95956000  5.18E-42
chr7  96334001  96339000  4.95E-23
chr7  96335001  96340000  5.82E-37
chr7  96336001  96341000  7.88E-56
chr7  96337001  96342000  1.29E-43
chr7  96624001  96629000  1.26E-46
chr7  96625001  96630000  6.64E-46
chr7  96626001  96631000  7.77E-41
chr7  96628001  96633000  6.13E-25
chr7  96637001  96642000  1.19E-28
chr7  96643001  96648000  9.44E-28
chr7  96644001  96649000  1.07E-36
chr7  96645001  96650000  1.36E-50
chr7  96646001  96651000  1.84E-42
chr7  97061001  97066000  5.75E-05
chr7  97656001  97661000  2.68E-09
chr7  98472001  98477000  2.52E-36
chr7  98741001  98746000  5.74E-49
chr7  99032001  99037000  1.14E-25
chr7  99093001  99098000  7.92E-25
chr7  99094001  99099000  1.52E-27
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|---------------|
| chr7       | 103870001 | 103875000 | 2.04E-12     |
| chr7       | 103871001 | 103877000 | 3.65E-12     |
| chr7       | 103872001 | 103878000 | 5.84E-11     |
| chr7       | 103873001 | 103879000 | 2.38E-06     |
| chr7       | 103874001 | 103880000 | 2.73E-07     |
| chr7       | 103875001 | 103880000 | 1.82E-06     |
| chr7       | 103880000 | 103892000 | 3.57E-07     |
| chr7       | 103934001 | 103939000 | 1.24E-06     |
| chr7       | 103935001 | 103940000 | 8.52E-07     |
| chr7       | 103939001 | 103944000 | 4.38E-07     |
| chr7       | 103940001 | 103945000 | 2.61E-07     |
| chr7       | 103941001 | 103946000 | 6.88E-12     |
| chr7       | 103942001 | 103947000 | 1.60E-08     |
| chr7       | 103950001 | 103955000 | 4.05E-08     |
| chr7       | 103961001 | 103966000 | 0.000264748  |
| chr7       | 103962001 | 103967000 | 6.82E-05     |
| chr7       | 103963001 | 103968000 | 4.31E-05     |
| chr7       | 104035001 | 104040000 | 1.77E-08     |
| chr7       | 104037001 | 104042000 | 1.03E-05     |
| chr7       | 104039001 | 104044000 | 4.15E-06     |
| chr7       | 104110001 | 104115000 | 3.24E-11     |
| chr7       | 104111001 | 104116000 | 2.25E-08     |
| chr7       | 104227001 | 104232000 | 2.96E-14     |
| chr7       | 104241001 | 104246000 | 1.70E-12     |
| chr7       | 104242001 | 104247000 | 8.62E-13     |
| chr7       | 104281001 | 104286000 | 5.40E-08     |
| chr7       | 104296001 | 104301000 | 3.13E-06     |
| chr7       | 104297001 | 104302000 | 8.66E-06     |
| chr7       | 104299001 | 104304000 | 1.87E-08     |
| chr7       | 104300001 | 104305000 | 1.63E-07     |
| chr7       | 104316001 | 104321000 | 1.00E-11     |
| chr7       | 104318001 | 104323000 | 7.00E-18     |
| chr7       | 104319001 | 104324000 | 1.65E-11     |
| chr7       | 104370001 | 104375000 | 4.08E-11     |
| chr7       | 104423001 | 104428000 | 2.00E-12     |
| chr7       | 104424001 | 104429000 | 3.70E-08     |
| chr7       | 104618001 | 104623000 | 0.012662022  |
| chr7       | 105024001 | 105029000 | 4.08E-19     |
| chr7       | 105025001 | 105030000 | 2.80E-33     |
| chr7       | 105026001 | 105031000 | 9.95E-46     |
| chr7       | 105027001 | 105032000 | 2.10E-42     |
| chr7       | 105028001 | 105033000 | 7.00E-35     |
| chr7       | 105029001 | 105034000 | 3.34E-37     |
| chr7       | 105517001 | 105522000 | 3.54E-19     |
| chr7       | 105650001 | 105655000 | 2.38E-28     |
| chr7       | 105752001 | 105757000 | 1.19E-43     |
| chr7       | 105753001 | 105758000 | 2.74E-24     |
| chr7       | 105925001 | 105930000 | 1.08E-80     |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr7       | 109461001      | 109466000    | 0.008945553 |
| chr7       | 109918001      | 109923000    | 1.27E-05   |
| chr7       | 110843001      | 110848000    | 0.014189675 |
| chr7       | 110844001      | 110849000    | 0.021900654 |
| chr7       | 110893001      | 110898000    | 0.012916626 |
| chr7       | 110964001      | 110969000    | 0.005060551 |
| chr7       | 110965001      | 110970000    | 2.53E-05   |
| chr7       | 111198001      | 111203000    | 7.94E-37   |
| chr7       | 111199001      | 111204000    | 3.39E-40   |
| chr7       | 111200001      | 111205000    | 4.10E-37   |
| chr7       | 111202001      | 111207000    | 2.17E-24   |
| chr7       | 111215001      | 111220000    | 0.000551521 |
| chr7       | 111216001      | 111221000    | 0.001478813 |
| chr7       | 112027001      | 112032000    | 7.56E-78   |
| chr7       | 112028001      | 112033000    | 1.16E-80   |
| chr7       | 112030001      | 112034000    | 4.12E-71   |
| chr7       | 112030001      | 112035000    | 7.52E-54   |
| chr7       | 112031001      | 112036000    | 9.28E-36   |
| chr7       | 112032001      | 112037000    | 4.77E-25   |
| chr7       | 112086001      | 112091000    | 5.96E-89   |
| chr7       | 112087001      | 112092000    | 3.46E-54   |
| chr7       | 112289001      | 112294000    | 5.15E-05   |
| chr7       | 112323001      | 112328000    | 4.54E-07   |
| chr7       | 112426001      | 112431000    | 2.39E-40   |
| chr7       | 112427001      | 112432000    | 2.00E-35   |
| chr7       | 112428001      | 112433000    | 4.59E-32   |
| chr7       | 112429001      | 112434000    | 2.67E-52   |
| chr7       | 112430001      | 112435000    | 1.79E-64   |
| chr7       | 112575001      | 112580000    | 1.40E-43   |
| chr7       | 112580001      | 112585000    | 5.83E-19   |
| chr7       | 112608001      | 112613000    | 0.000697409 |
| chr7       | 112697001      | 112702000    | 0.000231192 |
| chr7       | 112698001      | 112703000    | 0.001457489 |
| chr7       | 112745001      | 112750000    | 0.001979961 |
| chr7       | 113312001      | 113317000    | 6.02E-05   |
| chr7       | 113313001      | 113318000    | 0.000306105 |
| chr7       | 113332001      | 113337000    | 1.20E-05   |
| chr7       | 113334001      | 113339000    | 6.30E-06   |
| chr7       | 113389001      | 113394000    | 0.001376344 |
| chr7       | 113726001      | 113731000    | 6.50E-43   |
| chr7       | 113727001      | 113732000    | 8.63E-33   |
| chr7       | 114051001      | 114056000    | 0.000147387 |
| chr7       | 114266001      | 114271000    | 6.85E-30   |
| chr7       | 114267001      | 114272000    | 9.17E-26   |
| chr7       | 114268001      | 114273000    | 1.18E-33   |
| chr7       | 114269001      | 114274000    | 1.50E-36   |
| chr7       | 114270001      | 114275000    | 1.97E-38   |
| chr7       | 115112001      | 115117000    | 0.000150599 |
| Chromosome | Start | End   | p-value         |
|------------|-------|-------|----------------|
| chr7       | 115113001 | 115118000 | 3.69E-37       |
| chr7       | 115210001 | 115215000 | 0.004243572    |
| chr7       | 115307001 | 115312000 | 0.005925813    |
| chr7       | 115450001 | 115455000 | 5.65E-05       |
| chr7       | 115451001 | 115456000 | 3.25E-06       |
| chr7       | 115452001 | 115457000 | 1.94E-05       |
| chr7       | 115807001 | 115812000 | 4.58E-06       |
| chr7       | 115808001 | 115813000 | 0.00022877     |
| chr7       | 115934001 | 115939000 | 0.003374756    |
| chr7       | 115935001 | 115940000 | 0.002476999    |
| chr7       | 115936001 | 115941000 | 0.002290246    |
| chr7       | 115977001 | 115982000 | 0.005743401    |
| chr7       | 115978001 | 115983000 | 0.003167144    |
| chr7       | 115990001 | 115994000 | 0.003869193    |
| chr7       | 115980001 | 115985000 | 0.000605029    |
| chr7       | 115981001 | 115986000 | 8.33E-05       |
| chr7       | 116032001 | 116037000 | 0.000158523    |
| chr7       | 116074001 | 116079000 | 6.05E-08       |
| chr7       | 116076001 | 116081000 | 2.70E-07       |
| chr7       | 116109001 | 116114000 | 1.48E-08       |
| chr7       | 116110001 | 116115000 | 2.96E-09       |
| chr7       | 116135001 | 116140000 | 1.00E-49       |
| chr7       | 116136001 | 116141000 | 3.03E-33       |
| chr7       | 116147001 | 116152000 | 4.78E-05       |
| chr7       | 116148001 | 116153000 | 4.65E-12       |
| chr7       | 116161001 | 116166000 | 3.73E-36       |
| chr7       | 116205001 | 116210000 | 0.00965309     |
| chr7       | 116209001 | 116214000 | 0.000738299    |
| chr7       | 116312001 | 116317000 | 5.84E-50       |
| chr7       | 116498001 | 116503000 | 2.47E-34       |
| chr7       | 116499001 | 116504000 | 9.26E-21       |
| chr7       | 116502001 | 116507000 | 3.75E-39       |
| chr7       | 116594001 | 116599000 | 6.94E-31       |
| chr7       | 116660001 | 116665000 | 7.48E-05       |
| chr7       | 116761001 | 116766000 | 0.003494261    |
| chr7       | 116762001 | 116767000 | 0.007448749    |
| chr7       | 116764001 | 116769000 | 0.000106114    |
| chr7       | 116981001 | 116986000 | 0.000178409    |
| chr7       | 117147001 | 117152000 | 0.008876121    |
| chr7       | 117291001 | 117296000 | 3.29E-06       |
| chr7       | 117292001 | 117297000 | 1.12E-05       |
| chr7       | 117293001 | 117298000 | 5.91E-05       |
| chr7       | 117374001 | 117379000 | 1.97E-12       |
| chr7       | 117375001 | 117380000 | 3.05E-13       |
| chr7       | 117376001 | 117381000 | 7.57E-14       |
| chr7       | 117377001 | 117382000 | 2.69E-11       |
| chr7       | 117479001 | 117484000 | 3.73E-05       |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr7       | 117480001 | 117485000 | 2.39E-07 |
| chr7       | 117508001 | 117513000 | 9.23E-52 |
| chr7       | 117509001 | 117514000 | 2.78E-78 |
| chr7       | 117510001 | 117515000 | 1.45E-83 |
| chr7       | 117513001 | 117518000 | 6.15E-52 |
| chr7       | 117523001 | 117528000 | 4.79E-07 |
| chr7       | 117524001 | 117529000 | 1.06E-05 |
| chr7       | 117525001 | 117530000 | 0.0024299 |
| chr7       | 117555001 | 117560000 | 2.99E-05 |
| chr7       | 117630001 | 117635000 | 2.90E-05 |
| chr7       | 117663001 | 117668000 | 9.72E-06 |
| chr7       | 117664001 | 117669000 | 5.25E-07 |
| chr7       | 117665001 | 117670000 | 1.33E-07 |
| chr7       | 117667001 | 117672000 | 5.70E-05 |
| chr7       | 117685001 | 117690000 | 2.52E-07 |
| chr7       | 117686001 | 117691000 | 8.97E-06 |
| chr7       | 117687001 | 117692000 | 1.84E-05 |
| chr7       | 117688001 | 117693000 | 0.00256499 |
| chr7       | 117824001 | 117829000 | 7.56E-55 |
| chr7       | 117850001 | 117855000 | 4.17E-21 |
| chr7       | 118604001 | 118609000 | 0.00105286 |
| chr7       | 118815001 | 118820000 | 3.18E-06 |
| chr7       | 118816001 | 118821000 | 3.73E-07 |
| chr7       | 118959001 | 118964000 | 0.0019845 |
| chr7       | 119267001 | 119272000 | 0.003581427 |
| chr7       | 119985001 | 119990000 | 0.011985502 |
| chr7       | 120258001 | 120263000 | 0.00679783 |
| chr7       | 120492001 | 120497000 | 3.01E-11 |
| chr7       | 120493001 | 120498000 | 2.94E-33 |
| chr7       | 120846001 | 120851000 | 0.003998548 |
| chr7       | 120847001 | 120852000 | 0.004166464 |
| chr7       | 120848001 | 120853000 | 0.002059047 |
| chr7       | 120969001 | 120974000 | 6.91E-35 |
| chr7       | 120970001 | 120975000 | 1.37E-51 |
| chr7       | 121031001 | 121036000 | 2.05E-56 |
| chr7       | 121032001 | 121037000 | 3.62E-110 |
| chr7       | 121033001 | 121038000 | 3.32E-81 |
| chr7       | 121034001 | 121039000 | 2.72E-59 |
| chr7       | 121035001 | 121040000 | 1.16E-51 |
| chr7       | 121036001 | 121041000 | 1.20E-55 |
| chr7       | 121056001 | 121061000 | 1.90E-07 |
| chr7       | 121599001 | 121604000 | 1.06E-05 |
| chr7       | 121736001 | 121741000 | 0.001441655 |
| chr7       | 121737001 | 121742000 | 0.00137061 |
| chr7       | 121738001 | 121743000 | 0.000191947 |
| chr7       | 121739001 | 121744000 | 0.000368784 |
| chr7       | 121740001 | 121745000 | 2.55E-06 |
| chr7       | 121780001 | 121785000 | 2.44E-28 |
chr7  121784001  121789000  1.13E-19
chr7  121790001  121795000  0.000465797
chr7  121981001  121986000  9.14E-05
chr7  122107001  122112000  6.92E-10
chr7  122110001  122115000  2.81E-09
chr7  122390001  122344000  9.56E-08
chr7  122430001  122467000  3.45E-05
chr7  122522001  122527000  1.08E-17
chr7  122648001  122653000  0.002385511
chr7  122659001  122664000  0.000679152
chr7  122983001  122988000  2.26E-08
chr7  122984001  122989000  2.75E-06
chr7  123026001  123031000  4.71E-05
chr7  123027001  123032000  4.15E-05
chr7  123047001  123052000  0.016729072
chr7  123048001  123053000  0.013951328
chr7  123111001  123116000  0.003581838
chr7  123112001  123117000  9.80E-05
chr7  123146001  123151000  8.57E-05
chr7  123193001  123198000  2.45E-42
chr7  123383001  123388000  7.68E-15
chr7  123389001  123394000  8.19E-33
chr7  123672001  123677000  4.66E-22
chr7  123673001  123678000  3.34E-22
chr7  123970001  123975000  0.01724609
chr7  123971001  123976000  0.006156171
chr7  124400001  124405000  2.61E-24
chr7  124401001  124406000  8.29E-24
chr7  124402001  124407000  4.90E-23
chr7  124403001  124408000  6.83E-35
chr7  124405001  124410000  5.76E-31
chr7  124406001  124411000  1.46E-13
chr7  124565001  124570000  8.00E-43
chr7  124566001  124571000  8.36E-41
chr7  124567001  124572000  2.41E-22
chr7  124568001  124573000  2.42E-20
chr7  124744001  124749000  0.001526676
chr7  124956001  124961000  0.000728789
chr7  124957001  124962000  0.001093354
chr7  124958001  124963000  7.39E-06
chr7  124959001  124964000  0.00257909
chr7  124960001  124965000  0.006091092
chr7  125205001  125210000  3.82E-09
| Chr | Start  | End    | P-value   |
|-----|--------|--------|-----------|
| chr7 | 126769001 | 126774000 | 9.73E-08  |
| chr7 | 126770001 | 126775000 | 2.89E-07  |
| chr7 | 126771001 | 126776000 | 6.98E-07  |
| chr7 | 126809001 | 126814000 | 3.98E-05  |
| chr7 | 126811001 | 126816000 | 7.72E-05  |
| chr7 | 126820001 | 126825000 | 8.16E-06  |
| chr7 | 126859001 | 126864000 | 8.68E-07  |
| chr7 | 126860001 | 126865000 | 5.59E-08  |
| chr7 | 126861001 | 126866000 | 3.78E-09  |
| chr7 | 126864001 | 126869000 | 5.82E-06  |
| chr7 | 126871001 | 126876000 | 3.67E-06  |
| chr7 | 126872001 | 126877000 | 6.37E-06  |
| chr7 | 126904001 | 126909000 | 0.002511325 |
| chr7 | 126907001 | 126912000 | 3.27E-06  |
| chr7 | 126908001 | 126913000 | 3.26E-05  |
| chr7 | 126914001 | 126919000 | 9.58E-06  |
| chr7 | 126930001 | 126935000 | 0.000105609 |
| chr7 | 126931001 | 126936000 | 8.10E-08  |
| chr7 | 126932001 | 126937000 | 1.86E-05  |
| chr7 | 126934001 | 126939000 | 5.68E-06  |
| chr7 | 126935001 | 126940000 | 0.000103817 |
| chr7 | 126936001 | 126941000 | 1.23E-06  |
| chr7 | 126937001 | 126942000 | 2.82E-07  |
| chr7 | 126959001 | 126964000 | 7.85E-07  |
| chr7 | 126960001 | 126965000 | 2.59E-07  |
| chr7 | 126961001 | 126966000 | 5.44E-10  |
| chr7 | 126962001 | 126967000 | 3.14E-08  |
| chr7 | 126984001 | 126989000 | 1.70E-20  |
| chr7 | 126985001 | 126990000 | 2.17E-21  |
| chr7 | 126986001 | 126991000 | 1.40E-47  |
| chr7 | 126987001 | 126992000 | 2.94E-51  |
| chr7 | 126988001 | 126993000 | 1.03E-56  |
| chr7 | 127027001 | 127032000 | 1.71E-73  |
| chr7 | 127028001 | 127033000 | 1.03E-90  |
| chr7 | 127029001 | 127034000 | 5.72E-69  |
| chr7 | 127030001 | 127035000 | 4.28E-66  |
| chr7 | 127031001 | 127036000 | 1.25E-58  |
| chr7 | 127032001 | 127037000 | 2.44E-50  |
| chr7 | 127033001 | 127038000 | 4.13E-29  |
| chr7 | 127035001 | 127040000 | 2.84E-06  |
| chr7 | 127075001 | 127080000 | 0.000205461 |
| chr7 | 127076001 | 127081000 | 8.42E-05  |
| chr7 | 127084001 | 127089000 | 2.71E-06  |
| chr7 | 127107001 | 127112000 | 0.001921421 |
| chr7 | 127114001 | 127119000 | 2.27E-05  |
| chr7 | 127123001 | 127128000 | 0.000128948 |
| chr7 | 127124001 | 127129000 | 0.000178421 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr7       | 127148001      | 127153000    | 0.00021687 |
| chr7       | 127223001      | 127228000    | 1.58E-29 |
| chr7       | 127224001      | 127229000    | 3.27E-40 |
| chr7       | 127225001      | 127230000    | 1.44E-44 |
| chr7       | 127226001      | 127231000    | 4.57E-41 |
| chr7       | 127227001      | 127232000    | 5.34E-18 |
| chr7       | 127288001      | 127293000    | 5.43E-21 |
| chr7       | 127289001      | 127294000    | 5.40E-29 |
| chr7       | 127290001      | 127295000    | 9.07E-28 |
| chr7       | 127291001      | 127296000    | 3.99E-27 |
| chr7       | 127292001      | 127297000    | 2.38E-23 |
| chr7       | 127393001      | 127398000    | 1.01E-06 |
| chr7       | 127395001      | 127400000    | 2.58E-08 |
| chr7       | 128041001      | 128046000    | 3.94E-11 |
| chr7       | 128043001      | 128048000    | 1.56E-08 |
| chr7       | 128375001      | 128380000    | 4.98E-14 |
| chr7       | 128378001      | 128383000    | 8.06E-50 |
| chr7       | 128379001      | 128384000    | 1.95E-40 |
| chr7       | 128427001      | 128432000    | 9.75E-08 |
| chr7       | 128428001      | 128433000    | 3.56E-08 |
| chr7       | 128508001      | 128513000    | 8.43E-14 |
| chr7       | 128509001      | 128514000    | 4.20E-10 |
| chr7       | 128574001      | 128579000    | 4.90E-15 |
| chr7       | 128575001      | 128580000    | 4.36E-14 |
| chr7       | 128824001      | 128829000    | 1.93E-22 |
| chr7       | 128825001      | 128830000    | 1.90E-30 |
| chr7       | 128826001      | 128831000    | 1.24E-32 |
| chr7       | 128827001      | 128832000    | 2.48E-33 |
| chr7       | 128828001      | 128833000    | 2.49E-33 |
| chr7       | 128829001      | 128834000    | 2.39E-20 |
| chr7       | 129070001      | 129075000    | 7.74E-20 |
| chr7       | 129071001      | 129076000    | 2.90E-15 |
| chr7       | 129072001      | 129077000    | 7.27E-14 |
| chr7       | 129073001      | 129078000    | 5.63E-28 |
| chr7       | 129074001      | 129079000    | 3.20E-62 |
| chr7       | 129138001      | 129143000    | 1.49E-22 |
| chr7       | 129139001      | 129144000    | 7.28E-21 |
| chr7       | 129140001      | 129145000    | 5.44E-20 |
| chr7       | 129142001      | 129147000    | 6.37E-17 |
| chr7       | 129247001      | 129252000    | 2.75E-14 |
| chr7       | 129592001      | 129597000    | 5.60E-08 |
| chr7       | 129841001      | 129846000    | 3.50E-38 |
| chr7       | 129842001      | 129847000    | 8.38E-21 |
| chr7       | 129843001      | 129848000    | 1.61E-25 |
| chr7       | 129844001      | 129849000    | 7.13E-36 |
| chr7       | 129845001      | 129850000    | 2.14E-34 |
| chr7       | 130348001      | 130353000    | 9.54E-20 |
| chr7       | 130349001      | 130354000    | 8.77E-72 |
| Chromosome | Start | End   | p-value         |
|------------|-------|-------|----------------|
| chr7       | 130350001 | 130355000 | 3.30E-58       |
| chr7       | 130410001 | 130415000 | 0.00127007     |
| chr7       | 130413001 | 130418000 | 0.000257231    |
| chr7       | 130419001 | 130424000 | 9.01E-10       |
| chr7       | 130450001 | 130455000 | 1.48E-06       |
| chr7       | 130786001 | 130791000 | 0.000127007    |
| chr7       | 131010001 | 131015000 | 1.00E-18       |
| chr7       | 131012001 | 131017000 | 1.69E-32       |
| chr7       | 131013001 | 131018000 | 1.74E-17       |
| chr7       | 131386001 | 131391000 | 0.000324197    |
| chr7       | 131423001 | 131428000 | 0.000145337    |
| chr7       | 131585001 | 131590000 | 1.72E-06       |
| chr7       | 131626001 | 131631000 | 1.05E-16       |
| chr7       | 131627001 | 131632000 | 1.20E-13       |
| chr7       | 131628001 | 131633000 | 1.10E-09       |
| chr7       | 131661001 | 131666000 | 6.09E-06       |
| chr7       | 131662001 | 131667000 | 6.12E-06       |
| chr7       | 131955001 | 131960000 | 0.000809909    |
| chr7       | 131956001 | 131961000 | 6.06E-05       |
| chr7       | 132246001 | 132251000 | 4.86E-05       |
| chr7       | 132247001 | 132252000 | 2.46E-05       |
| chr7       | 132275001 | 132280000 | 5.29E-15       |
| chr7       | 132762001 | 132767000 | 3.64E-86       |
| chr7       | 132763001 | 132768000 | 7.84E-64       |
| chr7       | 132764001 | 132769000 | 2.75E-63       |
| chr7       | 132765001 | 132770000 | 5.44E-47       |
| chr7       | 132766001 | 132771000 | 4.71E-25       |
| chr7       | 132933001 | 132938000 | 5.32E-07       |
| chr7       | 132993001 | 132998000 | 2.64E-05       |
| chr7       | 132994001 | 132999000 | 4.08E-06       |
| chr7       | 132995001 | 133000000 | 1.06E-05       |
| chr7       | 133208001 | 133213000 | 0.000258302    |
| chr7       | 133595001 | 133600000 | 7.94E-05       |
| chr7       | 133630001 | 133635000 | 4.67E-07       |
| chr7       | 133802001 | 133807000 | 0.000381983    |
| chr7       | 133812001 | 133817000 | 3.34E-16       |
| chr7       | 133997001 | 134002000 | 1.83E-57       |
| chr7       | 133998001 | 134003000 | 3.48E-46       |
| chr7       | 133999001 | 134004000 | 6.83E-43       |
| chr7       | 134000001 | 134005000 | 1.92E-35       |
| chr7       | 134001001 | 134006000 | 2.06E-23       |
| chr7       | 134139001 | 134144000 | 5.97E-27       |
| chr7       | 134140001 | 134145000 | 6.11E-27       |
| chr7       | 134141001 | 134146000 | 2.43E-37       |
| chr7       | 134142001 | 134147000 | 1.64E-35       |
| chr7       | 134143001 | 134148000 | 2.97E-46       |
| chr7       | 134156001 | 134161000 | 4.17E-06       |
| chr7       | 134273001 | 134278000 | 2.89E-09       |
| Chromosome | Start | End   | p-value   |
|------------|-------|-------|-----------|
| chr7       | 134274001 | 134279000 | 3.40E-08  |
| chr7       | 134291001 | 134296000 | 1.57E-14  |
| chr7       | 134351001 | 134356000 | 9.23E-06  |
| chr7       | 134439001 | 134444000 | 0.000542472 |
| chr7       | 134518001 | 134523000 | 1.48E-09  |
| chr7       | 134519001 | 134524000 | 3.87E-10  |
| chr7       | 134520001 | 134525000 | 6.20E-10  |
| chr7       | 134669001 | 134674000 | 6.37E-33  |
| chr7       | 134670001 | 134675000 | 5.89E-44  |
| chr7       | 134671001 | 134676000 | 1.52E-48  |
| chr7       | 134709001 | 134714000 | 0.002614013 |
| chr7       | 134710001 | 134715000 | 6.69E-06  |
| chr7       | 134712001 | 134717000 | 0.000422653 |
| chr7       | 134756001 | 134761000 | 2.59E-08  |
| chr7       | 134770001 | 134775000 | 1.18E-05  |
| chr7       | 134771001 | 134776000 | 1.46E-09  |
| chr7       | 134772001 | 134777000 | 2.48E-05  |
| chr7       | 134778001 | 134783000 | 0.004512014 |
| chr7       | 134790001 | 134795000 | 1.76E-07  |
| chr7       | 134791001 | 134796000 | 4.96E-08  |
| chr7       | 134792001 | 134797000 | 2.08E-09  |
| chr7       | 134793001 | 134798000 | 1.24E-06  |
| chr7       | 134794001 | 134799000 | 1.12E-07  |
| chr7       | 134795001 | 134800000 | 2.05E-06  |
| chr7       | 134949001 | 134954000 | 6.90E-10  |
| chr7       | 135344001 | 135349000 | 7.35E-08  |
| chr7       | 135345001 | 135350000 | 5.76E-10  |
| chr7       | 135346001 | 135351000 | 6.32E-12  |
| chr7       | 135650001 | 135655000 | 0.003068535 |
| chr7       | 135651001 | 135656000 | 0.000720235 |
| chr7       | 135657001 | 135662000 | 2.34E-32  |
| chr7       | 135706001 | 135711000 | 0.000302277 |
| chr7       | 135737001 | 135742000 | 5.82E-07  |
| chr7       | 135739001 | 135744000 | 3.49E-06  |
| chr7       | 135752001 | 135757000 | 0.00030172 |
| chr7       | 135970001 | 135975000 | 0.004992515 |
| chr7       | 136037001 | 136042000 | 0.002774467 |
| chr7       | 136038001 | 136043000 | 0.000977976 |
| chr7       | 136179001 | 136184000 | 0.000376722 |
| chr7       | 136285001 | 136290000 | 0.000147423 |
| chr7       | 136286001 | 136291000 | 9.59E-05  |
| chr7       | 136307001 | 136312000 | 1.41E-05  |
| chr7       | 136308001 | 136313000 | 1.92E-05  |
| chr7       | 136332001 | 136337000 | 0.000804763 |
| chr7       | 136433001 | 136438000 | 0.00011234 |
| chr7       | 136754001 | 136759000 | 0.010937952 |
| chr7       | 136784001 | 136789000 | 5.33E-07  |
| chr7       | 136883001 | 136888000 | 0.015245392 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr7       | 136973001      | 136978000    | 0.000375452 |
| chr7       | 136978001      | 136983000    | 0.001327851 |
| chr7       | 136981001      | 136986000    | 0.007460045 |
| chr7       | 136983001      | 136988000    | 0.005016968 |
| chr7       | 137003001      | 137008000    | 4.97E-09 |
| chr7       | 137023001      | 137028000    | 6.54E-06 |
| chr7       | 137024001      | 137029000    | 6.30E-13 |
| chr7       | 137025001      | 137030000    | 1.14E-16 |
| chr7       | 137055001      | 137060000    | 0.000263314 |
| chr7       | 137056001      | 137061000    | 8.20E-06 |
| chr7       | 137163001      | 137168000    | 0.006941488 |
| chr7       | 137165001      | 137170000    | 0.008530329 |
| chr7       | 137172001      | 137177000    | 0.000204318 |
| chr7       | 137179001      | 137184000    | 1.73E-05 |
| chr7       | 137209001      | 137214000    | 1.09E-07 |
| chr7       | 137373001      | 137378000    | 0.000352575 |
| chr7       | 137442001      | 137447000    | 9.56E-11 |
| chr7       | 137443001      | 137448000    | 4.06E-12 |
| chr7       | 137527001      | 137532000    | 1.59E-23 |
| chr7       | 137579001      | 137584000    | 4.68E-10 |
| chr7       | 137580001      | 137585000    | 7.04E-17 |
| chr7       | 137581001      | 137586000    | 1.65E-20 |
| chr7       | 137582001      | 137587000    | 7.77E-13 |
| chr7       | 137583001      | 137588000    | 2.36E-07 |
| chr7       | 137684001      | 137689000    | 7.29E-18 |
| chr7       | 137685001      | 137690000    | 4.36E-34 |
| chr7       | 137686001      | 137691000    | 1.30E-40 |
| chr7       | 137861001      | 137866000    | 2.07E-05 |
| chr7       | 137862001      | 137867000    | 2.69E-08 |
| chr7       | 137881001      | 137886000    | 5.59E-07 |
| chr7       | 137882001      | 137887000    | 2.92E-08 |
| chr7       | 137894001      | 137899000    | 0.00033055 |
| chr7       | 138013001      | 138018000    | 3.43E-10 |
| chr7       | 138014001      | 138019000    | 8.80E-12 |
| chr7       | 138015001      | 138020000    | 3.51E-11 |
| chr7       | 138141001      | 138146000    | 3.41E-26 |
| chr7       | 138354001      | 138359000    | 5.55E-06 |
| chr7       | 138661001      | 138666000    | 2.03E-08 |
| chr7       | 138717001      | 138722000    | 5.61E-26 |
| chr7       | 138719001      | 138724000    | 2.02E-27 |
| chr7       | 138720001      | 138725000    | 3.79E-32 |
| chr7       | 138814001      | 138819000    | 5.30E-23 |
| chr7       | 138815001      | 138820000    | 1.81E-23 |
| chr7       | 138816001      | 138821000    | 1.16E-24 |
| chr7       | 138817001      | 138822000    | 6.73E-27 |
| chr7       | 138818001      | 138823000    | 7.35E-29 |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr7       | 138911000 | 138916000 | 1.43E-18 |
| chr7       | 138914000 | 138919000 | 4.55E-49  |
| chr7       | 138915000 | 138920000 | 2.39E-40  |
| chr7       | 138916000 | 138921000 | 1.09E-40  |
| chr7       | 139045000 | 139050000 | 5.49E-30  |
| chr7       | 139163000 | 139168000 | 2.73E-11  |
| chr7       | 139164000 | 139169000 | 2.31E-13  |
| chr7       | 139165000 | 139170000 | 7.83E-23  |
| chr7       | 139166000 | 139171000 | 9.62E-23  |
| chr7       | 139167000 | 139172000 | 1.11E-20  |
| chr7       | 139168000 | 139173000 | 4.75E-14  |
| chr7       | 139331000 | 139336000 | 1.28E-05  |
| chr7       | 139477000 | 139482000 | 1.37E-28  |
| chr7       | 139762000 | 139767000 | 3.23E-21  |
| chr7       | 139871000 | 139876000 | 1.66E-19  |
| chr7       | 139872000 | 139877000 | 1.09E-49  |
| chr7       | 139929000 | 139934000 | 1.28E-09  |
| chr7       | 140132000 | 140137000 | 0.006535423 |
| chr7       | 140178000 | 140183000 | 2.42E-12  |
| chr7       | 140339000 | 140344000 | 8.40E-12  |
| chr7       | 140861000 | 140862000 | 7.93E-09  |
| chr7       | 140773000 | 140778000 | 6.78E-40  |
| chr7       | 140774000 | 140779000 | 3.67E-45  |
| chr7       | 141251000 | 141256000 | 3.63E-33  |
| chr7       | 141401000 | 141406000 | 1.03E-21  |
| chr7       | 141435000 | 141440000 | 2.00E-16  |
| chr7       | 141436000 | 141441000 | 1.99E-31  |
| chr7       | 141437000 | 141442000 | 4.55E-26  |
| chr7       | 141438000 | 141443000 | 1.44E-16  |
| chr7       | 141519000 | 141524000 | 0.001960056 |
| chr7       | 141644000 | 141649000 | 0.000920516 |
| chr7       | 141645000 | 141650000 | 4.67E-05  |
| chr7       | 142013000 | 142018000 | 2.98E-13  |
| chr7       | 142016000 | 142021000 | 3.40E-05  |
| chr7       | 142187000 | 142192000 | 1.36E-06  |
| chr7       | 142219000 | 142224000 | 7.50E-07  |
| chr7       | 142323000 | 142328000 | 0.027511645 |
| chr7       | 142353000 | 142358000 | 4.60E-07  |
| chr7       | 142365000 | 142370000 | 2.61E-05  |
| chr7       | 142448000 | 142453000 | 5.69E-05  |
| chr7       | 142528000 | 142533000 | 3.61E-08  |
| chr7       | 142529000 | 142534000 | 2.23E-08  |
| chr7       | 142530000 | 142535000 | 2.11E-09  |
| chr7       | 142531000 | 142536000 | 6.11E-09  |
| chr7       | 142541000 | 142546000 | 5.00E-06  |
| chr7       | 142542000 | 142547000 | 4.59E-05  |
| chr7       | 142552000 | 142557000 | 6.98E-14  |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr7       | 142614001 | 142619000 | 3.39E-12 |
| chr7       | 142615001 | 142620000 | 5.53E-10 |
| chr7       | 142616001 | 142621000 | 6.69E-08 |
| chr7       | 142617001 | 142622000 | 2.05E-09 |
| chr7       | 142627001 | 142677000 | 3.29E-06 |
| chr7       | 142678001 | 142683000 | 0.00472206 |
| chr7       | 142679001 | 142684000 | 0.000106728 |
| chr7       | 142680001 | 142685000 | 1.00E-06 |
| chr7       | 142681001 | 142686000 | 4.96E-06 |
| chr7       | 142682001 | 142687000 | 0.001317642 |
| chr7       | 142683001 | 142688000 | 0.001407971 |
| chr7       | 142679001 | 142744000 | 1.53E-08 |
| chr7       | 142740001 | 142745000 | 5.15E-07 |
| chr7       | 142772001 | 142777000 | 0.019304167 |
| chr7       | 142773001 | 142778000 | 0.011804571 |
| chr7       | 142775001 | 142780000 | 1.11E-05 |
| chr7       | 142776001 | 142781000 | 1.41E-05 |
| chr7       | 142843001 | 142848000 | 0.00042149 |
| chr7       | 142956001 | 142961000 | 1.73E-09 |
| chr7       | 142957001 | 142962000 | 4.17E-10 |
| chr7       | 142958001 | 142963000 | 9.09E-07 |
| chr7       | 143057001 | 143062000 | 1.64E-06 |
| chr7       | 143058001 | 143063000 | 4.98E-15 |
| chr7       | 143059001 | 143064000 | 2.18E-13 |
| chr7       | 143073001 | 143078000 | 9.71E-31 |
| chr7       | 143074001 | 143079000 | 2.80E-41 |
| chr7       | 143075001 | 143080000 | 1.58E-23 |
| chr7       | 143076001 | 143081000 | 2.75E-11 |
| chr7       | 143445001 | 143450000 | 1.25E-08 |
| chr7       | 143449001 | 143454000 | 3.47E-05 |
| chr7       | 143594001 | 143599000 | 4.92E-43 |
| chr7       | 143595001 | 143600000 | 2.25E-26 |
| chr7       | 143596001 | 143601000 | 2.76E-27 |
| chr7       | 143843001 | 143848000 | 3.67E-08 |
| chr7       | 143844001 | 143849000 | 2.40E-07 |
| chr7       | 143873001 | 143878000 | 3.30E-05 |
| chr7       | 143889001 | 143894000 | 0.000271998 |
| chr7       | 143891001 | 143896000 | 1.05E-09 |
| chr7       | 143892001 | 143897000 | 1.09E-06 |
| chr7       | 143893001 | 143898000 | 1.26E-05 |
| chr7       | 143931001 | 143936000 | 0.003508981 |
| chr7       | 143957001 | 143962000 | 7.23E-07 |
| chr7       | 143958001 | 143963000 | 2.15E-07 |
| chr7       | 143959001 | 143964000 | 5.58E-05 |
| chr7       | 143981001 | 143986000 | 1.46E-07 |
| chr7       | 143982001 | 143987000 | 7.70E-11 |
| chr7       | 143983001 | 143988000 | 6.72E-11 |
| chr7       | 143984001 | 143989000 | 8.20E-05 |
| Chromosome | Start Position | End Position | Log Odds Ratio |
|------------|---------------|--------------|----------------|
| chr7       | 144052001     | 144057000    | 5.19E-07       |
| chr7       | 144072001     | 144077000    | 1.07E-07       |
| chr7       | 144073001     | 144078000    | 6.42E-08       |
| chr7       | 144212001     | 144217000    | 9.64E-06       |
| chr7       | 144213001     | 144218000    | 8.31E-05       |
| chr7       | 144245001     | 144250000    | 1.58E-06       |
| chr7       | 144246001     | 144251000    | 4.48E-08       |
| chr7       | 144247001     | 144252000    | 1.92E-08       |
| chr7       | 144386001     | 144391000    | 3.66E-29       |
| chr7       | 144387001     | 144392000    | 1.82E-05       |
| chr7       | 144388001     | 144393000    | 1.86E-12       |
| chr7       | 144533001     | 144538000    | 3.50E-05       |
| chr7       | 144624001     | 144629000    | 7.46E-06       |
| chr7       | 144952001     | 144957000    | 8.67E-05       |
| chr7       | 144953001     | 144958000    | 4.32E-07       |
| chr7       | 145155001     | 145160000    | 4.76E-05       |
| chr7       | 145304001     | 145309000    | 1.10E-06       |
| chr7       | 145592001     | 145597000    | 3.87E-06       |
| chr7       | 145593001     | 145598000    | 1.96E-06       |
| chr7       | 145594001     | 145599000    | 4.32E-07       |
| chr7       | 146263001     | 146268000    | 4.99E-06       |
| chr7       | 146292001     | 146297000    | 8.79E-05       |
| chr7       | 146293001     | 146298000    | 5.50E-06       |
| chr7       | 146316001     | 146321000    | 4.71E-05       |
| chr7       | 146317001     | 146322000    | 4.99E-06       |
| chr7       | 146336001     | 146341000    | 8.35E-07       |
| chr7       | 146337001     | 146342000    | 1.22E-10       |
| chr7       | 146338001     | 146343000    | 3.98E-10       |
| chr7       | 146341001     | 146346000    | 1.21E-07       |
| chr7       | 146366001     | 146371000    | 0.000295329    |
| Chromosome | Start | End   | Log10(P-value) |
|------------|-------|-------|----------------|
| chr7       | 146803001 | 146805000 | 3.50E-05       |
| chr7       | 146804001 | 146806000 | 8.84E-05       |
| chr7       | 146808001 | 146810000 | 0.001937845    |
| chr7       | 147288001 | 147290000 | 3.24E-05       |
| chr7       | 147480001 | 147482000 | 0.000181461    |
| chr7       | 148032001 | 148034000 | 2.05E-09       |
| chr7       | 148034001 | 148036000 | 5.17E-19       |
| chr7       | 148039001 | 148041000 | 3.14E-18       |
| chr7       | 148040001 | 148042000 | 2.54E-18       |
| chr7       | 148041001 | 148043000 | 1.45E-21       |
| chr7       | 148391001 | 148393000 | 3.24E-76       |
| chr7       | 148392001 | 148394000 | 4.95E-82       |
| chr7       | 148394001 | 148396000 | 2.34E-65       |
| chr7       | 148396001 | 148398000 | 2.26E-75       |
| chr7       | 148398001 | 148400000 | 4.72E-85       |
| chr7       | 148400001 | 148402000 | 6.81E-41       |
| chr7       | 148425001 | 148427000 | 1.18E-13       |
| chr7       | 148427001 | 148429000 | 1.13E-17       |
| chr7       | 148429001 | 148431000 | 6.17E-21       |
| chr7       | 148431001 | 148433000 | 2.41E-25       |
| chr7       | 148433001 | 148435000 | 1.22E-27       |
| chr7       | 148435001 | 148437000 | 4.49E-23       |
| chr7       | 148437001 | 148439000 | 3.57E-15       |
| chr7       | 148439001 | 148441000 | 2.21E-05       |
| chr7       | 148441001 | 148443000 | 3.71E-19       |
| chr7       | 148443001 | 148445000 | 1.11E-20       |
| chr7       | 148445001 | 148447000 | 5.77E-08       |
| chr7       | 148447001 | 148449000 | 9.25E-19       |
| chr7       | 148449001 | 148451000 | 2.66E-24       |
| chr7       | 148451001 | 148453000 | 1.86E-25       |
| chr7       | 148453001 | 148455000 | 2.10E-38       |
| chr7       | 148455001 | 148457000 | 3.81E-31       |
| chr7       | 148457001 | 148459000 | 1.83E-31       |
| chr7       | 148459001 | 148461000 | 1.46E-13       |
| chr7       | 148461001 | 148463000 | 1.24E-16       |
| chr7       | 148463001 | 148465000 | 2.88E-05       |
| chr7       | 148465001 | 148467000 | 1.36E-05       |
| chr7       | 148467001 | 148469000 | 1.62E-06       |
| chr7       | 148469001 | 148471000 | 3.02E-11       |
| chr7       | 148471001 | 148473000 | 2.60E-19       |
| chr7       | 148473001 | 148475000 | 3.04E-59       |
| chr7       | 148475001 | 148477000 | 3.37E-28       |
| chr7       | 148477001 | 148479000 | 2.61E-22       |
| chr7       | 148479001 | 148481000 | 1.09E-41       |
| chr7       | 148481001 | 148483000 | 4.24E-62       |
| chr7       | 148483001 | 148485000 | 7.46E-36       |
| chr7       | 148485001 | 148487000 | 1.74E-43       |
| chr7       | 148487001 | 148489000 | 7.00E-60       |
| chr7       | 148489001 | 148491000 | 1.15E-38       |
| Chromosome | Start | End   | Score  |
|------------|-------|-------|--------|
| chr7       | 149194001 | 149199000 | 1.10E-43 |
| chr7       | 149466001 | 149471000 | 8.21E-06 |
| chr7       | 149535001 | 149540000 | 4.68E-33 |
| chr7       | 149569001 | 149574000 | 2.83E-29 |
| chr7       | 149570001 | 149575000 | 9.35E-31 |
| chr7       | 149571001 | 149576000 | 8.64E-22 |
| chr7       | 149608001 | 149613000 | 0.000419332 |
| chr7       | 149609001 | 149614000 | 0.000489803 |
| chr7       | 149647001 | 149652000 | 2.75E-06 |
| chr7       | 149682001 | 149687000 | 5.74E-05 |
| chr7       | 149683001 | 149688000 | 1.35E-10 |
| chr7       | 149684001 | 149689000 | 2.83E-09 |
| chr7       | 149685001 | 149690000 | 1.93E-16 |
| chr7       | 149686001 | 149691000 | 4.02E-13 |
| chr7       | 149687001 | 149692000 | 2.02E-15 |
| chr7       | 149717001 | 149722000 | 0.000122399 |
| chr7       | 149718001 | 149723000 | 0.000571814 |
| chr7       | 149719001 | 149724000 | 7.37E-05 |
| chr7       | 149720001 | 149725000 | 8.18E-09 |
| chr7       | 149721001 | 149726000 | 5.12E-13 |
| chr7       | 149747001 | 149752000 | 2.79E-05 |
| chr7       | 149748001 | 149753000 | 7.56E-08 |
| chr7       | 149749001 | 149754000 | 2.56E-07 |
| chr7       | 149750001 | 149755000 | 1.43E-07 |
| chr7       | 149771001 | 149776000 | 0.01307064 |
| chr7       | 149773001 | 149778000 | 1.40E-06 |
| chr7       | 149774001 | 149779000 | 6.15E-06 |
| chr7       | 149817001 | 149822000 | 4.71E-05 |
| chr7       | 149819001 | 149824000 | 3.22E-13 |
| chr7       | 149820001 | 149825000 | 7.00E-14 |
| chr7       | 149821001 | 149826000 | 6.66E-15 |
| chr7       | 149822001 | 149827000 | 8.38E-14 |
| chr7       | 149823001 | 149828000 | 1.84E-07 |
| chr7       | 149884001 | 149889000 | 0.001292703 |
| chr7       | 149897001 | 149902000 | 1.24E-15 |
| chr7       | 149898001 | 149903000 | 8.03E-15 |
| chr7       | 149899001 | 149904000 | 1.05E-12 |
| chr7       | 149900001 | 149905000 | 2.77E-13 |
| chr7       | 149950001 | 149955000 | 3.21E-07 |
| chr7       | 149951001 | 149956000 | 2.61E-08 |
| chr7       | 149953001 | 149958000 | 2.18E-05 |
| chr7       | 150016001 | 150021000 | 5.30E-16 |
| chr7       | 150017001 | 150022000 | 2.27E-17 |
| chr7       | 150020001 | 150025000 | 4.77E-11 |
| chr7       | 150061001 | 150066000 | 3.98E-25 |
| chr7       | 150062001 | 150067000 | 1.29E-28 |
| chr7       | 150063001 | 150068000 | 7.80E-29 |
| chr7       | 150188001 | 150193000 | 4.96E-05 |
| chr7 | 150191001 | 150196000 | 8.38E-09 |
| chr7 | 150195001 | 150200000 | 6.41E-09 |
| chr7 | 150226001 | 150231000 | 8.71E-06 |
| chr7 | 150228001 | 150233000 | 3.64E-08 |
| chr7 | 150229001 | 150234000 | 1.76E-13 |
| chr7 | 150230001 | 150235000 | 9.04E-13 |
| chr7 | 150231001 | 150236000 | 1.46E-08 |
| chr7 | 150232001 | 150237000 | 1.76E-08 |
| chr7 | 150247001 | 150252000 | 4.30E-05 |
| chr7 | 150262001 | 150267000 | 8.15E-08 |
| chr7 | 150263001 | 150268000 | 4.41E-10 |
| chr7 | 150282001 | 150287000 | 3.81E-05 |
| chr7 | 150283001 | 150288000 | 1.50E-07 |
| chr7 | 150284001 | 150289000 | 8.81E-07 |
| chr7 | 150285001 | 150290000 | 1.52E-05 |
| chr7 | 150286001 | 150291000 | 2.02E-09 |
| chr7 | 150296001 | 150301000 | 1.00E-09 |
| chr7 | 150297001 | 150302000 | 1.21E-07 |
| chr7 | 150298001 | 150303000 | 1.83E-08 |
| chr7 | 150299001 | 150304000 | 1.60E-06 |
| chr7 | 150317001 | 150322000 | 0.00120921 |
| chr7 | 150326001 | 150331000 | 0.002053538 |
| chr7 | 150328001 | 150333000 | 0.002099244 |
| chr7 | 150351001 | 150356000 | 1.87E-05 |
| chr7 | 150357001 | 150362000 | 2.15E-07 |
| chr7 | 150364001 | 150369000 | 0.00283939 |
| chr7 | 150390001 | 150395000 | 2.77E-05 |
| chr7 | 150420001 | 150425000 | 3.42E-08 |
| chr7 | 150422001 | 150427000 | 1.31E-05 |
| chr7 | 150423001 | 150428000 | 2.85E-05 |
| chr7 | 150424001 | 150429000 | 0.000153938 |
| chr7 | 150425001 | 150430000 | 0.000164453 |
| chr7 | 150493001 | 150498000 | 2.44E-13 |
| chr7 | 150494001 | 150499000 | 2.99E-15 |
| chr7 | 150704001 | 150709000 | 0.000300531 |
| chr7 | 150711001 | 150716000 | 0.000111019 |
| chr7 | 150712001 | 150717000 | 0.000133669 |
| chr7 | 150715001 | 150720000 | 2.60E-15 |
| chr7 | 150860001 | 150865000 | 1.39E-22 |
| chr7 | 150861001 | 150866000 | 1.10E-05 |
| chr7 | 150863001 | 150868000 | 1.61E-05 |
| chr7 | 150864001 | 150869000 | 2.38E-07 |
| chr7 | 150891001 | 150896000 | 2.04E-05 |
| chr7 | 150945001 | 150950000 | 1.55E-06 |
| chr7 | 151034001 | 151039000 | 2.82E-37 |
| chr7 | 151035001 | 151040000 | 5.29E-27 |
| chr7 | 151038001 | 151043000 | 9.59E-14 |
| chr7 | 151103001 | 151108000 | 3.13E-19 |
| chr7  | 153515001 | 153520000 | 0.001110149 |
|-------|-----------|-----------|-------------|
| chr7  | 153556001 | 153561000 | 8.45E-05    |
| chr7  | 153561001 | 153566000 | 1.56E-08    |
| chr7  | 153562001 | 153567000 | 8.07E-09    |
| chr7  | 153571001 | 153576000 | 0.001048664 |
| chr7  | 153610001 | 153615000 | 8.77E-08    |
| chr7  | 153656001 | 153661000 | 2.14E-10    |
| chr7  | 153657001 | 153662000 | 1.13E-11    |
| chr7  | 153759001 | 153764000 | 0.000358061 |
| chr7  | 153760001 | 153765000 | 3.48E-06    |
| chr7  | 153761001 | 153766000 | 8.58E-09    |
| chr7  | 153762001 | 153767000 | 1.37E-10    |
| chr7  | 153763001 | 153768000 | 2.05E-07    |
| chr7  | 153783001 | 153788000 | 1.91E-07    |
| chr7  | 153784001 | 153789000 | 1.25E-07    |
| chr7  | 153797001 | 153802000 | 1.82E-08    |
| chr7  | 153807001 | 153812000 | 0.003942923 |
| chr7  | 153829001 | 153834000 | 3.11E-06    |
| chr7  | 153831001 | 153836000 | 0.002222951 |
| chr7  | 153832001 | 153837000 | 0.003073095 |
| chr7  | 153847001 | 153852000 | 7.81E-14    |
| chr7  | 153848001 | 153853000 | 8.83E-15    |
| chr7  | 153875001 | 153880000 | 0.000198816 |
| chr7  | 153881001 | 153886000 | 1.54E-14    |
| chr7  | 153895001 | 153900000 | 1.91E-12    |
| chr7  | 153902001 | 153907000 | 8.71E-08    |
| chr7  | 153923001 | 153928000 | 0.001005624 |
| chr7  | 153932001 | 153937000 | 0.000120703 |
| chr7  | 153933001 | 153938000 | 0.000146362 |
| chr7  | 153962001 | 153967000 | 5.87E-05    |
| chr7  | 153963001 | 153968000 | 6.26E-06    |
| chr7  | 153964001 | 153969000 | 0.000141266 |
| chr7  | 153965001 | 153970000 | 0.000159975 |
| chr7  | 153966001 | 153971000 | 8.42E-05    |
| chr7  | 153967001 | 153972000 | 4.83E-06    |
| chr7  | 153979001 | 153984000 | 1.20E-09    |
| chr7  | 154022001 | 154027000 | 6.35E-07    |
| chr7  | 154072001 | 154077000 | 1.65E-07    |
| chr7  | 154074001 | 154079000 | 7.17E-08    |
| chr7  | 154120001 | 154125000 | 2.00E-08    |
| chr7  | 154121001 | 154126000 | 1.21E-08    |
| chr7  | 154142001 | 154147000 | 7.30E-06    |
| chr7  | 154143001 | 154148000 | 1.60E-05    |
| chr7  | 154144001 | 154149000 | 6.69E-09    |
| chr7  | 154151001 | 154156000 | 4.48E-07    |
| chr7  | 154152001 | 154157000 | 1.17E-05    |
| chr7  | 154158001 | 154163000 | 9.18E-06    |
| chr7  | 154159001 | 154164000 | 3.06E-06    |
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|---------------|
| chr7       | 154160001 | 154165000 | 2.15E-06     |
| chr7       | 154161001 | 154167000 | 2.60E-09     |
| chr7       | 154176001 | 154181000 | 4.55E-13     |
| chr7       | 154177001 | 154182000 | 1.19E-13     |
| chr7       | 154220001 | 154227000 | 0.000168102  |
| chr7       | 154261001 | 154266000 | 1.67E-07     |
| chr7       | 154262001 | 154267000 | 2.45E-09     |
| chr7       | 154385001 | 154390000 | 7.52E-13     |
| chr7       | 154386001 | 154391000 | 3.78E-11     |
| chr7       | 154637001 | 154642000 | 5.78E-05     |
| chr7       | 154790001 | 154795000 | 2.40E-37     |
| chr7       | 154791001 | 154796000 | 5.01E-32     |
| chr7       | 154792001 | 154797000 | 3.41E-25     |
| chr7       | 154793001 | 154798000 | 1.06E-41     |
| chr7       | 154794001 | 154799000 | 5.38E-50     |
| chr7       | 154795001 | 154800000 | 6.13E-48     |
| chr7       | 155133001 | 155138000 | 2.25E-10     |
| chr7       | 155437001 | 155442000 | 4.62E-50     |
| chr7       | 155585001 | 155590000 | 9.17E-11     |
| chr7       | 155925001 | 155930000 | 4.52E-10     |
| chr7       | 155974001 | 155979000 | 2.78E-06     |
| chr7       | 156055001 | 156060000 | 3.94E-13     |
| chr7       | 156063001 | 156068000 | 1.85E-06     |
| chr7       | 156065001 | 156070000 | 1.67E-06     |
| chr7       | 156074001 | 156079000 | 4.14E-05     |
| chr7       | 156075001 | 156080000 | 0.000289869  |
| chr7       | 156077001 | 156082000 | 0.000113986  |
| chr7       | 156078001 | 156083000 | 1.43E-06     |
| chr7       | 156079001 | 156084000 | 6.04E-08     |
| chr7       | 156080001 | 156085000 | 1.33E-06     |
| chr7       | 156081001 | 156086000 | 1.16E-07     |
| chr7       | 156082001 | 156087000 | 1.10E-10     |
| chr7       | 156083001 | 156088000 | 1.04E-09     |
| chr7       | 156084001 | 156089000 | 6.33E-08     |
| chr7       | 156085001 | 156090000 | 2.48E-07     |
| chr7       | 156086001 | 156091000 | 1.63E-05     |
| chr7       | 156116001 | 156121000 | 4.78E-06     |
| chr7       | 156429001 | 156434000 | 1.47E-53     |
| chr7       | 156430001 | 156435000 | 1.13E-52     |
| chr7       | 156431001 | 156436000 | 1.10E-45     |
| chr7       | 156432001 | 156437000 | 3.08E-40     |
| chr7       | 156433001 | 156438000 | 1.16E-126    |
| chr7       | 156685001 | 156690000 | 3.98E-09     |
| chr7       | 156738001 | 156743000 | 1.45E-46     |
| chr7       | 156788001 | 156793000 | 1.89E-09     |
| chr7       | 156798001 | 156803000 | 4.99E-13     |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr7       | 156927001      | 156932000    | 7.57E-21       |
| chr7       | 157125001      | 157130000    | 2.85E-06       |
| chr7       | 157241001      | 157246000    | 3.52E-14       |
| chr7       | 157764001      | 157769000    | 1.04E-08       |
| chr7       | 158364001      | 158369000    | 9.97E-12       |
| chr7       | 158493001      | 158498000    | 9.83E-39       |
| chr7       | 158494001      | 158499000    | 3.19E-35       |
| chr7       | 158495001      | 158500000    | 1.70E-14       |
| chr7       | 158609001      | 158614000    | 2.14E-13       |
| chr7       | 158610001      | 158615000    | 1.23E-19       |
| chr7       | 158611001      | 158616000    | 7.60E-20       |
| chr7       | 158648001      | 158653000    | 7.54E-19       |
| chr7       | 158649001      | 158654000    | 4.05E-19       |
| chr7       | 158653001      | 158658000    | 9.87E-09       |
| chr7       | 158846001      | 158851000    | 2.16E-12       |
| chr7       | 158866001      | 158871000    | 3.44E-08       |
| chr7       | 158869001      | 158874000    | 2.99E-09       |
| chr7       | 158935001      | 158940000    | 2.69E-60       |
| chr7       | 158937001      | 158942000    | 4.57E-25       |
| chr7       | 158965001      | 158970000    | 3.86E-11       |
| chr7       | 158966001      | 158971000    | 8.54E-14       |
| chr7       | 158967001      | 158972000    | 5.40E-14       |
| chr7       | 158975001      | 158980000    | 0.000268998    |
| chr7       | 158976001      | 158981000    | 6.64E-06       |
| chr7       | 158977001      | 158982000    | 6.64E-06       |
| chr7       | 158978001      | 158983000    | 2.09E-08       |
| chr7       | 159059001      | 159064000    | 1.30E-08       |
| chr7       | 159066001      | 159071000    | 1.04E-06       |
| chr7       | 159067001      | 159072000    | 1.02E-06       |
| chr7       | 159068001      | 159073000    | 1.54E-08       |
| chr7       | 159078001      | 159083000    | 1.80E-05       |
| chr8       | 180001         | 185000       | 3.14E-24       |
| chr8       | 181001         | 186000       | 1.29E-47       |
| chr8       | 182001         | 187000       | 3.73E-60       |
| chr8       | 214001         | 219000       | 3.07E-09       |
| chr8       | 352001         | 357000       | 2.39E-15       |
| chr8       | 353001         | 358000       | 3.30E-25       |
| chr8       | 354001         | 359000       | 1.06E-38       |
| chr8       | 355001         | 360000       | 6.94E-50       |
| chr8       | 356001         | 361000       | 3.11E-60       |
| chr8       | 357001         | 362000       | 2.94E-74       |
| chr8       | 472001         | 477000       | 9.90E-11       |
| chr8       | 473001         | 478000       | 5.13E-09       |
| chr8       | 474001         | 479000       | 1.28E-08       |
| chr8       | 490001         | 495000       | 4.78E-15       |
| chr8       | 491001         | 496000       | 1.17E-21       |
| chr8       | 493001         | 498000       | 1.09E-22       |
| chr8       | 494001         | 499000       | 1.05E-55       |
| Chr  | Pos  | End  | P-value   |
|------|------|------|-----------|
| chr8 | 495001 | 500000 | 3.19E-55  |
| chr8 | 527001 | 532000 | 1.93E-16  |
| chr8 | 528001 | 533000 | 1.31E-24  |
| chr8 | 529001 | 534000 | 9.06E-22  |
| chr8 | 530001 | 535000 | 5.52E-22  |
| chr8 | 531001 | 536000 | 3.97E-12  |
| chr8 | 532001 | 537000 | 1.31E-09  |
| chr8 | 633001 | 638000 | 6.02E-17  |
| chr8 | 634001 | 639000 | 1.60E-14  |
| chr8 | 744001 | 749000 | 2.94E-10  |
| chr8 | 745001 | 750000 | 2.10E-10  |
| chr8 | 746001 | 751000 | 2.68E-12  |
| chr8 | 747001 | 752000 | 2.51E-14  |
| chr8 | 777001 | 782000 | 1.65E-06  |
| chr8 | 823001 | 828000 | 0.001400999 |
| chr8 | 824001 | 829000 | 7.48E-06  |
| chr8 | 907001 | 912000 | 6.92E-10  |
| chr8 | 999001 | 1004000 | 4.93E-16 |
| chr8 | 1058001 | 1063000 | 2.47E-13 |
| chr8 | 1371001 | 1376000 | 7.71E-11 |
| chr8 | 1372001 | 1377000 | 1.46E-10 |
| chr8 | 1373001 | 1378000 | 4.98E-09 |
| chr8 | 1533001 | 1538000 | 2.93E-15 |
| chr8 | 1558001 | 1563000 | 1.93E-12 |
| chr8 | 1560001 | 1565000 | 4.24E-14 |
| chr8 | 1566001 | 1571000 | 5.15E-21 |
| chr8 | 1567001 | 1572000 | 8.18E-21 |
| chr8 | 1568001 | 1573000 | 7.12E-21 |
| chr8 | 1712001 | 1717000 | 8.70E-08 |
| chr8 | 1768001 | 1773000 | 5.09E-28 |
| chr8 | 1920001 | 1925000 | 1.17E-20 |
| chr8 | 1921001 | 1926000 | 6.27E-32 |
| chr8 | 1945001 | 1950000 | 7.34E-29 |
| chr8 | 1946001 | 1951000 | 5.30E-19 |
| chr8 | 1947001 | 1952000 | 2.62E-13 |
| chr8 | 2128001 | 2133000 | 0.000270486 |
| chr8 | 2323001 | 2328000 | 0.000102919 |
| chr8 | 2324001 | 2329000 | 4.87E-05 |
| chr8 | 2415001 | 2420000 | 1.24E-14 |
| chr8 | 2416001 | 2421000 | 9.95E-19 |
| chr8 | 2581001 | 2586000 | 2.36E-12 |
| chr8 | 2897001 | 2902000 | 4.07E-05 |
| chr8 | 3340001 | 3345000 | 0.000721529 |
| chr8 | 3417001 | 3422000 | 4.62E-10 |
| chr8 | 3418001 | 3423000 | 1.30E-09 |
| chr8 | 3430001 | 3435000 | 6.21E-07 |
| chr8 | 3692001 | 3697000 | 4.76E-06 |
| chr8 | 3694001 | 3699000 | 1.46E-06 |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr8       | 3695001        | 3700000      | 4.99E-08       |
| chr8       | 3743001        | 3748000      | 5.04E-05       |
| chr8       | 3800001        | 3805000      | 7.88E-06       |
| chr8       | 3806001        | 3811000      | 2.96E-07       |
| chr8       | 4037001        | 4042000      | 9.41E-06       |
| chr8       | 4233001        | 4238000      | 9.61E-07       |
| chr8       | 4331001        | 4336000      | 6.76E-07       |
| chr8       | 4332001        | 4337000      | 3.18E-08       |
| chr8       | 4333001        | 4338000      | 2.28E-06       |
| chr8       | 4400001        | 4405000      | 0.010466536    |
| chr8       | 4424001        | 4429000      | 1.62E-09       |
| chr8       | 4425001        | 4430000      | 9.66E-17       |
| chr8       | 4426001        | 4431000      | 3.10E-18       |
| chr8       | 4427001        | 4432000      | 3.85E-24       |
| chr8       | 4428001        | 4433000      | 7.98E-23       |
| chr8       | 4429001        | 4434000      | 2.57E-21       |
| chr8       | 4430001        | 4435000      | 1.26E-14       |
| chr8       | 4431001        | 4436000      | 1.07E-11       |
| chr8       | 4477001        | 4482000      | 7.32E-06       |
| chr8       | 4488001        | 4493000      | 5.12E-11       |
| chr8       | 4496001        | 4501000      | 3.57E-08       |
| chr8       | 4521001        | 4526000      | 3.13E-07       |
| chr8       | 4522001        | 4527000      | 3.21E-05       |
| chr8       | 4524001        | 4529000      | 0.003765604    |
| chr8       | 4566001        | 4571000      | 3.29E-05       |
| chr8       | 4567001        | 4572000      | 4.09E-13       |
| chr8       | 4568001        | 4573000      | 7.04E-13       |
| chr8       | 4569001        | 4574000      | 1.37E-13       |
| chr8       | 4594001        | 4599000      | 2.24E-10       |
| chr8       | 4633001        | 4638000      | 1.91E-07       |
| chr8       | 4673001        | 4678000      | 1.08E-06       |
| chr8       | 4698001        | 4703000      | 7.07E-07       |
| chr8       | 4699001        | 4704000      | 1.35E-05       |
| chr8       | 4740001        | 4745000      | 0.010737889    |
| chr8       | 4753001        | 4758000      | 8.68E-10       |
| chr8       | 4754001        | 4759000      | 1.46E-18       |
| chr8       | 4755001        | 4760000      | 8.56E-15       |
| chr8       | 4756001        | 4761000      | 7.56E-11       |
| chr8       | 4757001        | 4762000      | 1.87E-09       |
| chr8       | 4758001        | 4763000      | 1.51E-08       |
| chr8       | 4762001        | 4767000      | 2.77E-09       |
| chr8       | 4763001        | 4768000      | 6.64E-07       |
| chr8       | 4792001        | 4797000      | 0.004201515    |
| chr8       | 4880001        | 4885000      | 0.000529863    |
| chr8       | 4889001        | 4894000      | 1.33E-05       |
| chr8       | 4939001        | 4944000      | 3.85E-13       |
| chr8       | 4940001        | 4945000      | 3.54E-15       |
| chr8       | 4941001        | 4946000      | 1.93E-12       |
| Chromosome | Start | End   | Score   |
|------------|-------|-------|---------|
| chr8       | 4942001 | 4947000 | 1.28E-08 |
| chr8       | 4943001 | 4948000 | 5.29E-08 |
| chr8       | 4955001 | 4960000 | 1.07E-05 |
| chr8       | 4956001 | 4961000 | 1.36E-05 |
| chr8       | 4957001 | 4962000 | 5.44E-05 |
| chr8       | 4971001 | 4976000 | 5.95E-10 |
| chr8       | 4972001 | 4977000 | 9.94E-06 |
| chr8       | 5018001 | 5023000 | 0.00072213 |
| chr8       | 5024001 | 5029000 | 8.62E-14 |
| chr8       | 5078001 | 5083000 | 1.61E-07 |
| chr8       | 5079001 | 5084000 | 7.72E-05 |
| chr8       | 5103001 | 5108000 | 0.007035519 |
| chr8       | 5122001 | 5127000 | 7.34E-05 |
| chr8       | 5186001 | 5191000 | 0.00012079 |
| chr8       | 5222001 | 5227000 | 1.21E-06 |
| chr8       | 5223001 | 5228000 | 2.42E-06 |
| chr8       | 5262001 | 5267000 | 0.008645908 |
| chr8       | 5263001 | 5268000 | 0.006186546 |
| chr8       | 5277001 | 5282000 | 1.13E-09 |
| chr8       | 5476001 | 5481000 | 4.16E-06 |
| chr8       | 5477001 | 5482000 | 5.97E-05 |
| chr8       | 5494001 | 5499000 | 0.000109466 |
| chr8       | 5526001 | 5531000 | 6.56E-05 |
| chr8       | 5584001 | 5589000 | 2.98E-07 |
| chr8       | 5593001 | 5598000 | 7.97E-07 |
| chr8       | 5646001 | 5651000 | 1.37E-06 |
| chr8       | 5658001 | 5663000 | 0.000416525 |
| chr8       | 5700001 | 5705000 | 0.000956317 |
| chr8       | 5701001 | 5706000 | 4.25E-05 |
| chr8       | 5765001 | 5770000 | 1.96E-12 |
| chr8       | 5766001 | 5771000 | 9.06E-11 |
| chr8       | 5767001 | 5772000 | 2.58E-11 |
| chr8       | 5784001 | 5789000 | 1.83E-12 |
| chr8       | 5787001 | 5792000 | 1.80E-08 |
| chr8       | 5788001 | 5793000 | 2.96E-05 |
| chr8       | 5846001 | 5851000 | 0.000113481 |
| chr8       | 5847001 | 5852000 | 5.10E-07 |
| chr8       | 5848001 | 5853000 | 6.26E-06 |
| chr8       | 5849001 | 5854000 | 8.89E-06 |
| chr8       | 5850001 | 5855000 | 6.72E-06 |
| chr8       | 5961001 | 5966000 | 7.79E-05 |
| chr8       | 5969001 | 5974000 | 0.004292419 |
| chr8       | 5970001 | 5975000 | 0.010475688 |
| chr8       | 6050001 | 6055000 | 3.49E-06 |
| chr8       | 6051001 | 6056000 | 6.77E-07 |
| chr8       | 6259001 | 6264000 | 4.23E-21 |
| chr8       | 6260001 | 6265000 | 6.64E-38 |
| chr8       | 6261001 | 6266000 | 7.40E-43 |
| chr8 | 6262001 | 6267000 | 3.45E-38 |
|------|--------|--------|---------|
| chr8 | 6263001 | 6268000 | 7.78E-17 |
| chr8 | 6264001 | 6269000 | 5.43E-15 |
| chr8 | 6561001 | 6566000 | 4.37E-36 |
| chr8 | 6563001 | 6568000 | 1.35E-24 |
| chr8 | 6564001 | 6569000 | 1.59E-38 |
| chr8 | 6565001 | 6570000 | 3.15E-77 |
| chr8 | 6566001 | 6571000 | 2.31E-81 |
| chr8 | 6949001 | 6954000 | 1.35E-24 |
| chr8 | 6972001 | 6977000 | 1.08E-06 |
| chr8 | 6973001 | 6978000 | 3.37E-06 |
| chr8 | 7017001 | 7022000 | 0.016258168 |
| chr8 | 7062001 | 7067000 | 0.008405359 |
| chr8 | 7063001 | 7068000 | 0.005485018 |
| chr8 | 7158001 | 7163000 | 0.001085135 |
| chr8 | 7175001 | 7180000 | 5.39E-06 |
| chr8 | 7176001 | 7181000 | 5.95E-07 |
| chr8 | 7195001 | 7200000 | 6.43E-05 |
| chr8 | 7198001 | 7203000 | 8.03E-07 |
| chr8 | 7199001 | 7204000 | 4.36E-05 |
| chr8 | 7210001 | 7215000 | 1.17E-19 |
| chr8 | 7211001 | 7216000 | 7.01E-35 |
| chr8 | 7212001 | 7217000 | 4.01E-38 |
| chr8 | 7213001 | 7218000 | 1.55E-08 |
| chr8 | 7214001 | 7219000 | 4.56E-08 |
| chr8 | 7215001 | 7220000 | 0.000903221 |
| chr8 | 7277001 | 7282000 | 2.47E-09 |
| chr8 | 7278001 | 7283000 | 3.93E-09 |
| chr8 | 7311001 | 7316000 | 0.000282395 |
| chr8 | 7312001 | 7317000 | 1.57E-09 |
| chr8 | 7313001 | 7318000 | 1.23E-07 |
| chr8 | 7314001 | 7319000 | 4.48E-09 |
| chr8 | 7315001 | 7320000 | 4.74E-07 |
| chr8 | 7324001 | 7329000 | 0.000699723 |
| chr8 | 7325001 | 7330000 | 8.19E-08 |
| chr8 | 7326001 | 7331000 | 8.19E-08 |
| chr8 | 7328001 | 7333000 | 9.31E-07 |
| chr8 | 7349001 | 7354000 | 6.38E-06 |
| chr8 | 7433001 | 7438000 | 4.22E-10 |
| chr8 | 7446001 | 7451000 | 3.08E-06 |
| chr8 | 7462001 | 7467000 | 3.31E-09 |
| chr8 | 7463001 | 7468000 | 4.41E-07 |
| chr8 | 7668001 | 7673000 | 0.012668086 |
| chr8 | 7695001 | 7700000 | 4.82E-06 |
| chr8 | 7696001 | 7701000 | 3.18E-08 |
| chr8 | 7729001 | 7734000 | 0.00149633 |
| chr8 | 7730001 | 7735000 | 1.55E-05 |
| chr8 | 7780001 | 7785000 | 0.00171372 |
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|---------------|
| chr8       | 7879001 | 7884000 | 3.37E-53      |
| chr8       | 7987001 | 7992000 | 8.49E-07      |
| chr8       | 7988001 | 7993000 | 1.58E-10      |
| chr8       | 7989001 | 7994000 | 1.47E-09      |
| chr8       | 7990001 | 7995000 | 3.24E-10      |
| chr8       | 7991001 | 7996000 | 3.12E-05      |
| chr8       | 7997001 | 8002000 | 6.27E-09      |
| chr8       | 7998001 | 8003000 | 5.77E-10      |
| chr8       | 8006001 | 8011000 | 1.14E-06      |
| chr8       | 8012001 | 8017000 | 9.16E-08      |
| chr8       | 8013001 | 8018000 | 1.72E-08      |
| chr8       | 8014001 | 8019000 | 3.87E-09      |
| chr8       | 8021001 | 8026000 | 4.85E-05      |
| chr8       | 8085001 | 8090000 | 5.40E-06      |
| chr8       | 8244001 | 8249000 | 3.27E-09      |
| chr8       | 8749001 | 8754000 | 9.70E-08      |
| chr8       | 8750001 | 8755000 | 4.38E-34      |
| chr8       | 8751001 | 8756000 | 2.73E-20      |
| chr8       | 8816001 | 8821000 | 7.04E-17      |
| chr8       | 9412001 | 9417000 | 1.48E-39      |
| chr8       | 9413001 | 9418000 | 3.26E-66      |
| chr8       | 9414001 | 9419000 | 6.99E-08      |
| chr8       | 9472001 | 9477000 | 0.001161412   |
| chr8       | 9624001 | 9629000 | 1.02E-10      |
| chr8       | 9625001 | 9630000 | 5.62E-13      |
| chr8       | 9626001 | 9631000 | 9.55E-17      |
| chr8       | 9627001 | 9632000 | 2.81E-24      |
| chr8       | 9628001 | 9633000 | 1.51E-36      |
| chr8       | 9629001 | 9634000 | 2.13E-17      |
| chr8       | 9731001 | 9736000 | 1.41E-11      |
| chr8       | 9732001 | 9737000 | 1.44E-11      |
| chr8       | 9733001 | 9738000 | 3.69E-12      |
| chr8       | 9734001 | 9739000 | 7.99E-12      |
| chr8       | 9756001 | 9761000 | 2.70E-14      |
| chr8       | 9757001 | 9762000 | 7.11E-24      |
| chr8       | 9791001 | 9796000 | 2.18E-06      |
| chr8       | 9907001 | 9912000 | 4.73E-22      |
| chr8       | 9908001 | 9913000 | 4.52E-33      |
| chr8       | 9909001 | 9914000 | 8.08E-39      |
| chr8       | 9910001 | 9915000 | 7.55E-42      |
| chr8       | 9911001 | 9916000 | 5.59E-59      |
| chr8       | 9912001 | 9917000 | 3.94E-64      |
| chr8       | 10188001 | 10193000 | 1.68E-11     |
| chr8       | 10192001 | 10197000 | 7.06E-07     |
| chr8       | 10347001 | 10352000 | 1.52E-09     |
| chr8       | 10442001 | 10447000 | 3.91E-08     |
| chr8       | 10692001 | 10697000 | 4.56E-19     |
| chr8       | 10693001 | 10698000 | 6.35E-78     |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr8       | 10690001 | 10699000 | 2.72E-70  |
| chr8       | 10695001 | 10700000 | 1.30E-38  |
| chr8       | 10696001 | 10701000 | 6.31E-41  |
| chr8       | 10697001 | 10702000 | 4.71E-40  |
| chr8       | 10736001 | 10741000 | 0.00165689 |
| chr8       | 10786001 | 10791000 | 2.23E-13  |
| chr8       | 10980001 | 10985000 | 1.40E-10  |
| chr8       | 10981001 | 10986000 | 3.26E-18  |
| chr8       | 10982001 | 10987000 | 5.65E-15  |
| chr8       | 11002001 | 11007000 | 6.14E-08  |
| chr8       | 11007001 | 11012000 | 2.43E-13  |
| chr8       | 11008001 | 11013000 | 1.29E-13  |
| chr8       | 11009001 | 11014000 | 1.19E-08  |
| chr8       | 11010001 | 11015000 | 7.27E-10  |
| chr8       | 11055001 | 11060000 | 1.28E-18  |
| chr8       | 11057001 | 11062000 | 2.67E-20  |
| chr8       | 11058001 | 11063000 | 8.37E-26  |
| chr8       | 11059001 | 11064000 | 4.49E-18  |
| chr8       | 11137001 | 11142000 | 3.02E-15  |
| chr8       | 11138001 | 11143000 | 2.56E-33  |
| chr8       | 11139001 | 11144000 | 3.92E-36  |
| chr8       | 11140001 | 11145000 | 2.60E-44  |
| chr8       | 11141001 | 11146000 | 2.19E-31  |
| chr8       | 11142001 | 11147000 | 2.18E-35  |
| chr8       | 11155001 | 11160000 | 0.000118159 |
| chr8       | 11200001 | 11205000 | 1.19E-11  |
| chr8       | 11201001 | 11206000 | 1.53E-15  |
| chr8       | 11322001 | 11327000 | 1.06E-16  |
| chr8       | 11323001 | 11328000 | 2.61E-26  |
| chr8       | 11324001 | 11329000 | 6.00E-17  |
| chr8       | 11452001 | 11457000 | 1.01E-09  |
| chr8       | 11663001 | 11668000 | 9.98E-14  |
| chr8       | 11664001 | 11669000 | 1.25E-16  |
| chr8       | 11665001 | 11670000 | 4.74E-14  |
| chr8       | 11725001 | 11730000 | 6.94E-21  |
| chr8       | 11756001 | 11761000 | 2.35E-07  |
| chr8       | 11757001 | 11762000 | 9.50E-07  |
| chr8       | 11840001 | 11845000 | 1.92E-26  |
| chr8       | 11841001 | 11846000 | 5.06E-18  |
| chr8       | 11842001 | 11847000 | 1.81E-18  |
| chr8       | 11843001 | 11848000 | 1.82E-17  |
| chr8       | 11862001 | 11867000 | 0.000575635 |
| chr8       | 11896001 | 11901000 | 1.07E-07  |
| chr8       | 11897001 | 11902000 | 1.07E-07  |
| chr8       | 11981001 | 11986000 | 1.41E-05  |
| chr8       | 12175001 | 12180000 | 0.00173501 |
| chr8       | 12176001 | 12181000 | 1.86E-05  |
| chr8       | 12177001 | 12182000 | 7.68E-05  |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr8       | 12205001       | 12210000     | 0.042825625 |
| chr8       | 12206001       | 12211000     | 0.042825625 |
| chr8       | 12207001       | 12212000     | 0.042825625 |
| chr8       | 12369001       | 12374000     | 1.72E-06  |
| chr8       | 12411001       | 12416000     | 7.96E-12  |
| chr8       | 12459001       | 12464000     | 8.94E-08  |
| chr8       | 12471001       | 12476000     | 9.82E-06  |
| chr8       | 12484001       | 12489000     | 6.59E-12  |
| chr8       | 12487001       | 12492000     | 1.51E-06  |
| chr8       | 12512001       | 12517000     | 1.66E-05  |
| chr8       | 12513001       | 12518000     | 2.45E-05  |
| chr8       | 12514001       | 12519000     | 1.65E-06  |
| chr8       | 12515001       | 12520000     | 3.51E-06  |
| chr8       | 12516001       | 12521000     | 1.21E-10  |
| chr8       | 12517001       | 12522000     | 1.14E-09  |
| chr8       | 12607001       | 12612000     | 3.11E-43  |
| chr8       | 12608001       | 12613000     | 2.05E-42  |
| chr8       | 12804001       | 12809000     | 5.37E-19  |
| chr8       | 12805001       | 12810000     | 2.20E-90  |
| chr8       | 12806001       | 12811000     | 1.31E-66  |
| chr8       | 12807001       | 12812000     | 2.23E-50  |
| chr8       | 12808001       | 12813000     | 3.84E-38  |
| chr8       | 12809001       | 12814000     | 4.40E-35  |
| chr8       | 12989001       | 12994000     | 6.07E-09  |
| chr8       | 12990001       | 12995000     | 1.54E-33  |
| chr8       | 13134001       | 13139000     | 2.03E-35  |
| chr8       | 13173001       | 13178000     | 0.00190453 |
| chr8       | 13308001       | 13313000     | 0.017619945 |
| chr8       | 13309001       | 13314000     | 0.00100978 |
| chr8       | 13327001       | 13332000     | 4.44E-05  |
| chr8       | 13330001       | 13335000     | 7.20E-09  |
| chr8       | 13331001       | 13336000     | 1.22E-07  |
| chr8       | 13332001       | 13337000     | 3.32E-07  |
| chr8       | 13333001       | 13338000     | 2.21E-07  |
| chr8       | 13414001       | 13419000     | 1.23E-05  |
| chr8       | 13503001       | 13508000     | 2.54E-05  |
| chr8       | 13530001       | 13535000     | 6.27E-07  |
| chr8       | 13590001       | 13595000     | 2.04E-05  |
| chr8       | 13591001       | 13596000     | 0.000111508 |
| chr8       | 13592001       | 13597000     | 8.31E-06  |
| chr8       | 13593001       | 13598000     | 9.57E-06  |
| chr8       | 13594001       | 13599000     | 6.64E-05  |
| chr8       | 13603001       | 13608000     | 2.20E-07  |
| chr8       | 13604001       | 13609000     | 2.43E-07  |
| chr8       | 13613001       | 13618000     | 0.000421206 |
| chr8       | 13614001       | 13619000     | 6.44E-05  |
| chr8       | 13705001       | 13710000     | 4.33E-08  |
| chr8       | 13706001       | 13711000     | 8.56E-10  |
| Chr  | Start | End   | Value       |
|------|-------|-------|-------------|
| chr8 | 13707001 | 13712000 | 1.07E-09   |
| chr8 | 13708001 | 13713000 | 5.57E-07   |
| chr8 | 13709001 | 13714000 | 3.24E-07   |
| chr8 | 13748001 | 13753000 | 0.00051653 |
| chr8 | 13792001 | 13797000 | 0.004367019 |
| chr8 | 13815001 | 13820000 | 0.001264448 |
| chr8 | 13819001 | 13824000 | 0.001471854 |
| chr8 | 13825001 | 13830000 | 0.000136082 |
| chr8 | 13826001 | 13831000 | 3.47E-06   |
| chr8 | 13857001 | 13862000 | 0.002711879 |
| chr8 | 13953001 | 13958000 | 0.00051653 |
| chr8 | 13954001 | 13959000 | 3.46E-06   |
| chr8 | 14011001 | 14016000 | 8.25E-07   |
| chr8 | 14013001 | 14018000 | 5.68E-06   |
| chr8 | 14018001 | 14023000 | 6.37E-05   |
| chr8 | 14153001 | 14158000 | 6.24E-05   |
| chr8 | 14157001 | 14162000 | 1.80E-05   |
| chr8 | 14159001 | 14164000 | 7.99E-06   |
| chr8 | 14160001 | 14165000 | 1.32E-05   |
| chr8 | 14191001 | 14196000 | 0.00124268 |
| chr8 | 14192001 | 14197000 | 0.001370299 |
| chr8 | 14297001 | 14302000 | 7.47E-05   |
| chr8 | 14477001 | 14482000 | 3.87E-11   |
| chr8 | 14533001 | 14538000 | 0.003030248 |
| chr8 | 14547001 | 14552000 | 0.00787151 |
| chr8 | 14558001 | 14563000 | 1.45E-07   |
| chr8 | 14575001 | 14580000 | 0.001701412 |
| chr8 | 14642001 | 14647000 | 4.31E-06   |
| chr8 | 14644001 | 14649000 | 3.47E-06   |
| chr8 | 14646001 | 14651000 | 2.17E-05   |
| chr8 | 14647001 | 14652000 | 0.000167194 |
| chr8 | 14648001 | 14653000 | 6.28E-05   |
| chr8 | 14673001 | 14678000 | 0.00078203 |
| chr8 | 14675001 | 14680000 | 0.000403826 |
| chr8 | 14676001 | 14681000 | 0.002452324 |
| chr8 | 14682001 | 14687000 | 0.000406568 |
| chr8 | 14721001 | 14726000 | 5.99E-05   |
| chr8 | 14774001 | 14779000 | 0.001320415 |
| chr8 | 14775001 | 14780000 | 0.000367628 |
| chr8 | 14776001 | 14781000 | 0.000250733 |
| chr8 | 14821001 | 14826000 | 2.70E-06   |
| chr8 | 14822001 | 14827000 | 7.20E-06   |
| chr8 | 14828001 | 14833000 | 1.75E-09   |
| chr8 | 14829001 | 14834000 | 3.03E-09   |
| chr8 | 14830001 | 14835000 | 3.28E-10   |
| chr8 | 14831001 | 14836000 | 7.56E-08   |
| chr8 | 14838001 | 14843000 | 2.04E-07   |
| chr8 | 14839001 | 14844000 | 4.56E-08   |
| Chromosome | Start Position | End Position | Value       |
|------------|----------------|--------------|-------------|
| chr8       | 14868001       | 14873000     | 9.69E-05    |
| chr8       | 14869001       | 14874000     | 2.37E-06    |
| chr8       | 15016001       | 15021000     | 0.000384001 |
| chr8       | 15054001       | 15059000     | 3.91E-05    |
| chr8       | 15057001       | 15062000     | 3.08E-05    |
| chr8       | 15102001       | 15107000     | 7.04E-07    |
| chr8       | 15115001       | 15120000     | 0.00030172  |
| chr8       | 15116001       | 15121000     | 0.000980047 |
| chr8       | 15124001       | 15129000     | 2.35E-06    |
| chr8       | 15126001       | 15131000     | 4.34E-07    |
| chr8       | 15127001       | 15132000     | 2.04E-06    |
| chr8       | 15128001       | 15133000     | 9.85E-06    |
| chr8       | 15129001       | 15134000     | 0.000386447 |
| chr8       | 15149001       | 15154000     | 0.000526266 |
| chr8       | 15168001       | 15173000     | 3.92E-11    |
| chr8       | 15287001       | 15292000     | 0.000391662 |
| chr8       | 15393001       | 15398000     | 8.94E-17    |
| chr8       | 15395001       | 15400000     | 2.33E-16    |
| chr8       | 15396001       | 15401000     | 2.63E-24    |
| chr8       | 15397001       | 15402000     | 5.67E-26    |
| chr8       | 15398001       | 15403000     | 1.36E-11    |
| chr8       | 15415001       | 15420000     | 9.09E-13    |
| chr8       | 15661001       | 15666000     | 1.19E-07    |
| chr8       | 15662001       | 15667000     | 2.48E-08    |
| chr8       | 15663001       | 15668000     | 1.98E-06    |
| chr8       | 15671001       | 15676000     | 4.72E-05    |
| chr8       | 15679001       | 15684000     | 0.005241147 |
| chr8       | 15693001       | 15698000     | 1.42E-05    |
| chr8       | 15694001       | 15699000     | 1.90E-05    |
| chr8       | 15695001       | 15700000     | 8.24E-06    |
| chr8       | 15819001       | 15824000     | 4.35E-05    |
| chr8       | 15820001       | 15825000     | 1.28E-06    |
| chr8       | 15822001       | 15827000     | 3.43E-08    |
| chr8       | 15824001       | 15829000     | 6.03E-10    |
| chr8       | 15883001       | 15888000     | 0.00630841  |
| chr8       | 15884001       | 15889000     | 0.000189913 |
| chr8       | 15969001       | 15974000     | 0.002911207 |
| chr8       | 16024001       | 16029000     | 2.16E-08    |
| chr8       | 16090001       | 16095000     | 4.21E-06    |
| chr8       | 16091001       | 16096000     | 5.74E-09    |
| chr8       | 16092001       | 16097000     | 1.23E-08    |
| chr8       | 16093001       | 16098000     | 0.000184279 |
| chr8       | 16094001       | 16099000     | 8.64E-05    |
| chr8       | 16156001       | 16161000     | 6.38E-06    |
| chr8       | 16177001       | 16182000     | 0.000313768 |
| chr8       | 16179001       | 16184000     | 0.000187002 |
| chr8       | 16180001       | 16185000     | 0.000359486 |
| chr8       | 16183001       | 16188000     | 0.000408815 |
| Chromosome | Start Position | End Position | Score |
|------------|----------------|--------------|-------|
| chr8       | 16196001       | 16201000     | 0.003070424 |
| chr8       | 16203001       | 16208000     | 0.003084072 |
| chr8       | 16212001       | 16217000     | 0.000312026 |
| chr8       | 16242001       | 16247000     | 0.000153061 |
| chr8       | 16243001       | 16248000     | 7.95E-05 |
| chr8       | 16244001       | 16249000     | 0.000228039 |
| chr8       | 16412001       | 16417000     | 1.00E-06 |
| chr8       | 16492001       | 16497000     | 8.86E-06 |
| chr8       | 16493001       | 16498000     | 7.89E-08 |
| chr8       | 16494001       | 16499000     | 5.99E-07 |
| chr8       | 16524001       | 16529000     | 1.11E-15 |
| chr8       | 16571001       | 16576000     | 2.43E-08 |
| chr8       | 16681001       | 16686000     | 7.47E-06 |
| chr8       | 16682001       | 16687000     | 1.68E-05 |
| chr8       | 16745001       | 16750000     | 0.00102919 |
| chr8       | 16746001       | 16751000     | 3.99E-05 |
| chr8       | 16747001       | 16752000     | 1.23E-06 |
| chr8       | 16748001       | 16753000     | 3.33E-06 |
| chr8       | 16788001       | 16793000     | 0.010097493 |
| chr8       | 16885001       | 16890000     | 6.25E-37 |
| chr8       | 16904001       | 16909000     | 0.031050667 |
| chr8       | 17014001       | 17019000     | 1.81E-42 |
| chr8       | 17099001       | 17104000     | 1.17E-30 |
| chr8       | 17100001       | 17105000     | 2.57E-54 |
| chr8       | 17101001       | 17106000     | 1.17E-38 |
| chr8       | 17102001       | 17107000     | 1.11E-56 |
| chr8       | 17103001       | 17108000     | 1.44E-72 |
| chr8       | 17104001       | 17109000     | 4.14E-80 |
| chr8       | 17105001       | 17110000     | 2.44E-10 |
| chr8       | 17267001       | 17272000     | 6.02E-10 |
| chr8       | 17268001       | 17273000     | 3.23E-14 |
| chr8       | 17269001       | 17274000     | 1.13E-14 |
| chr8       | 17270001       | 17275000     | 4.49E-12 |
| chr8       | 17271001       | 17276000     | 3.15E-09 |
| chr8       | 17350001       | 17355000     | 9.66E-36 |
| chr8       | 17352001       | 17357000     | 1.21E-42 |
| chr8       | 17354001       | 17359000     | 1.16E-28 |
| chr8       | 17659001       | 17664000     | 2.30E-26 |
| chr8       | 17776001       | 17781000     | 2.58E-118 |
| chr8       | 17777001       | 17782000     | 4.77E-114 |
| chr8       | 17778001       | 17783000     | 2.64E-119 |
| chr8       | 17779001       | 17784000     | 6.18E-74 |
| chr8       | 17937001       | 17942000     | 4.99E-26 |
| chr8       | 17941001       | 17946000     | 4.56E-45 |
| chr8       | 18135001       | 18140000     | 6.82E-05 |
| chr8       | 18432001       | 18437000     | 0.001734237 |
| chr8       | 18655001       | 18660000     | 7.15E-13 |
| chr8       | 18656001       | 18661000     | 1.44E-12 |
chr8  18657001  18662000  1.83E-12
chr8  18658001  18663000  2.08E-16
chr8  18659001  18664000  8.75E-12
chr8  18871001  18876000  2.41E-14
chr8  19239001  19244000  2.98E-07
chr8  19436001  19441000  9.91E-07
chr8  19456001  19461000  9.11E-10
chr8  19513001  19518000  6.39E-05
chr8  19514001  19519000  0.000162966
chr8  19515001  19520000  1.03E-05
chr8  19636001  19641000  0.000101033
chr8  19637001  19642000  0.00258695
chr8  19674001  19679000  6.16E-53
chr8  19675001  19680000  2.40E-45
chr8  19754001  19759000  7.65E-06
chr8  19901001  19906000  0.000768966
chr8  19902001  19907000  3.80E-05
chr8  19918001  19923000  0.000142376
chr8  19919001  19924000  3.67E-06
chr8  19920001  19925000  5.77E-05
chr8  19940001  19945000  1.17E-09
chr8  19941001  19946000  2.48E-09
chr8  19942001  19947000  8.38E-09
chr8  19995001  20000000  7.04E-16
chr8  19997001  20002000  9.39E-05
chr8  20050001  20055000  8.18E-19
chr8  20051001  20056000  4.63E-26
chr8  20053001  20058000  4.80E-26
chr8  20160001  20165000  1.85E-07
chr8  20397001  20402000  3.64E-07
chr8  20398001  20403000  2.07E-05
chr8  20898001  20903000  3.22E-05
chr8  21265001  21270000  5.43E-05
chr8  21266001  21271000  6.60E-07
chr8  21290001  21295000  5.72E-08
chr8  21291001  21296000  1.43E-08
chr8  21371001  21376000  1.08E-05
chr8  21372001  21377000  8.10E-08
chr8  21374001  21379000  8.66E-08
chr8  21677001  21682000  3.12E-07
chr8  21678001  21683000  5.33E-07
chr8  21773001  21778000  2.50E-12
chr8  21776001  21781000  6.05E-25
chr8  21777001  21782000  3.12E-33
chr8  21916001  21921000  0.007212808
chr8  21920001  21925000  2.93E-14
chr8  21985001  21990000  9.12E-08
chr8  21987001  21992000  3.36E-06
| Chromosome | Start | End   | Value       |
|------------|-------|-------|-------------|
| chr8       | 22013001| 22018000| 2.11E-09    |
| chr8       | 22014001| 22019000| 6.63E-11    |
| chr8       | 22220001| 22225000| 0.000234171 |
| chr8       | 22418001| 22423000| 1.76E-06    |
| chr8       | 22419001| 22424000| 5.73E-13    |
| chr8       | 22420001| 22425000| 7.69E-10    |
| chr8       | 22421001| 22426000| 4.54E-10    |
| chr8       | 22422001| 22427000| 7.49E-08    |
| chr8       | 22423001| 22428000| 5.70E-11    |
| chr8       | 22522001| 22527000| 1.06E-09    |
| chr8       | 22543001| 22548000| 7.72E-13    |
| chr8       | 22718001| 22723000| 4.09E-13    |
| chr8       | 22719001| 22724000| 3.66E-13    |
| chr8       | 22853001| 22858000| 5.57E-09    |
| chr8       | 22923001| 22928000| 1.76E-05    |
| chr8       | 22957001| 22962000| 1.85E-05    |
| chr8       | 22958001| 22963000| 1.81E-06    |
| chr8       | 22959001| 22964000| 3.57E-07    |
| chr8       | 22960001| 22965000| 4.12E-07    |
| chr8       | 23078001| 23083000| 3.75E-16    |
| chr8       | 23079001| 23084000| 2.55E-13    |
| chr8       | 23082001| 23087000| 5.71E-10    |
| chr8       | 23100001| 23105000| 9.83E-42    |
| chr8       | 23101001| 23106000| 2.71E-18    |
| chr8       | 23141001| 23146000| 3.15E-28    |
| chr8       | 23142001| 23147000| 4.18E-19    |
| chr8       | 23143001| 23148000| 1.52E-06    |
| chr8       | 23145001| 23150000| 8.61E-07    |
| chr8       | 23256001| 23261000| 1.50E-08    |
| chr8       | 23257001| 23262000| 5.13E-18    |
| chr8       | 23259001| 23264000| 9.16E-18    |
| chr8       | 23260001| 23265000| 2.74E-12    |
| chr8       | 23310001| 23315000| 3.23E-52    |
| chr8       | 23311001| 23316000| 3.59E-68    |
| chr8       | 23312001| 23317000| 7.15E-46    |
| chr8       | 23313001| 23318000| 6.32E-40    |
| chr8       | 23314001| 23319000| 3.19E-16    |
| chr8       | 23315001| 23320000| 1.32E-20    |
| chr8       | 23387001| 23392000| 1.71E-11    |
| chr8       | 23500001| 23505000| 4.67E-06    |
| chr8       | 23523001| 23528000| 1.24E-05    |
| chr8       | 23524001| 23529000| 9.62E-05    |
| chr8       | 23535001| 23540000| 2.30E-09    |
| chr8       | 23536001| 23541000| 9.53E-15    |
| chr8       | 23537001| 23542000| 1.89E-36    |
| chr8       | 23538001| 23543000| 1.80E-29    |
| chr8       | 23539001| 23544000| 1.58E-47    |
| chr8       | 23540001| 23545000| 3.18E-48    |
| Chromosome | Start | End | Score |
|------------|-------|-----|-------|
| chr8       | 24117001 | 24122000 | 0.00035266 |
| chr8       | 24118001 | 24123000 | 0.000285834 |
| chr8       | 24135001 | 24140000 | 2.02E-06 |
| chr8       | 24137001 | 24142000 | 7.22E-06 |
| chr8       | 24138001 | 24143000 | 6.01E-06 |
| chr8       | 24139001 | 24144000 | 7.35E-09 |
| chr8       | 24140001 | 24145000 | 1.82E-09 |
| chr8       | 24141001 | 24146000 | 2.72E-09 |
| chr8       | 24164001 | 24169000 | 9.54E-05 |
| chr8       | 24215001 | 24220000 | 1.37E-05 |
| chr8       | 24216001 | 24221000 | 2.62E-06 |
| chr8       | 24233001 | 24238000 | 0.004092517 |
| chr8       | 24250001 | 24255000 | 4.64E-05 |
| chr8       | 24260001 | 24265000 | 1.15E-08 |
| chr8       | 24261001 | 24266000 | 4.41E-08 |
| chr8       | 24262001 | 24267000 | 5.87E-10 |
| chr8       | 24263001 | 24268000 | 2.94E-10 |
| chr8       | 24264001 | 24269000 | 3.40E-09 |
| chr8       | 24304001 | 24309000 | 1.45E-10 |
| chr8       | 24312001 | 24317000 | 6.25E-10 |
| chr8       | 24329001 | 24334000 | 0.001738945 |
| chr8       | 24330001 | 24335000 | 0.000187306 |
| chr8       | 24331001 | 24336000 | 0.000462907 |
| chr8       | 24337001 | 24342000 | 2.58E-05 |
| chr8       | 24338001 | 24343000 | 8.55E-09 |
| chr8       | 24341001 | 24346000 | 1.53E-07 |
| chr8       | 24342001 | 24347000 | 1.80E-06 |
| chr8       | 24354001 | 24359000 | 5.93E-05 |
| chr8       | 24372001 | 24377000 | 5.59E-06 |
| chr8       | 24375001 | 24380000 | 0.000441829 |
| chr8       | 24376001 | 24381000 | 1.53E-06 |
| chr8       | 24418001 | 24423000 | 8.15E-10 |
| chr8       | 24420001 | 24425000 | 1.97E-07 |
| chr8       | 24426001 | 24431000 | 2.08E-07 |
| chr8       | 24427001 | 24432000 | 6.19E-09 |
| chr8       | 24428001 | 24433000 | 2.95E-08 |
| chr8       | 24429001 | 24434000 | 1.02E-08 |
| chr8       | 24430001 | 24435000 | 9.49E-07 |
| chr8       | 24432001 | 24437000 | 3.13E-07 |
| chr8       | 24433001 | 24438000 | 6.28E-08 |
| chr8       | 24434001 | 24439000 | 3.09E-06 |
| chr8       | 24435001 | 24440000 | 2.38E-08 |
| chr8       | 24446001 | 24451000 | 4.77E-06 |
| chr8       | 24448001 | 24453000 | 0.000392943 |
| chr8       | 24474001 | 24479000 | 0.000229114 |
| chr8       | 24475001 | 24480000 | 6.76E-09 |
| chr8       | 24476001 | 24481000 | 2.88E-10 |
| Chromosome | Start Base | End Base | P-value |
|------------|------------|----------|---------|
| chr8       | 24477      | 24480    | 1.04E-08 |
| chr8       | 24478      | 24483    | 1.01E-08 |
| chr8       | 24530      | 24535    | 2.16E-05 |
| chr8       | 24531      | 24536    | 1.74E-08 |
| chr8       | 24533      | 24538    | 4.30E-07 |
| chr8       | 24534      | 24539    | 4.28E-06 |
| chr8       | 24537      | 24542    | 0.001978678 |
| chr8       | 24549      | 24554    | 0.00063637 |
| chr8       | 24550      | 24555    | 1.11E-05 |
| chr8       | 24585      | 24590    | 2.19E-05 |
| chr8       | 24604      | 24609    | 2.33E-06 |
| chr8       | 24605      | 24610    | 1.20E-10 |
| chr8       | 24606      | 24611    | 3.67E-09 |
| chr8       | 24607      | 24612    | 3.70E-07 |
| chr8       | 24608      | 24613    | 2.46E-06 |
| chr8       | 24615      | 24620    | 0.00142907 |
| chr8       | 24628      | 24633    | 9.26E-06 |
| chr8       | 24629      | 24634    | 6.26E-09 |
| chr8       | 24645      | 24650    | 0.0001142 |
| chr8       | 24650      | 24655    | 0.000213729 |
| chr8       | 24656      | 24661    | 0.003638153 |
| chr8       | 24657      | 24662    | 0.002544529 |
| chr8       | 24658      | 24663    | 0.000813164 |
| chr8       | 24681      | 24686    | 0.000839261 |
| chr8       | 24683      | 24688    | 0.000221305 |
| chr8       | 24727      | 24732    | 0.000331908 |
| chr8       | 24739      | 24744    | 2.16E-09 |
| chr8       | 24741      | 24746    | 2.75E-07 |
| chr8       | 24841      | 24846    | 6.70E-07 |
| chr8       | 24884      | 24889    | 1.87E-05 |
| chr8       | 24885      | 24890    | 6.33E-05 |
| chr8       | 24886      | 24891    | 0.000509189 |
| chr8       | 24892      | 24897    | 0.000174248 |
| chr8       | 24893      | 24898    | 3.26E-07 |
| chr8       | 25383      | 25388    | 3.11E-06 |
| chr8       | 25570      | 25575    | 0.000221301 |
| chr8       | 25571      | 25576    | 1.27E-07 |
| chr8       | 25572      | 25577    | 3.56E-07 |
| chr8       | 25573      | 25578    | 2.78E-06 |
| chr8       | 26236      | 26241    | 9.30E-41 |
| chr8       | 26237      | 26242    | 1.23E-45 |
| chr8       | 26238      | 26243    | 2.67E-23 |
| chr8       | 26239      | 26244    | 1.01E-23 |
| chr8       | 26304      | 26309    | 5.79E-22 |
| chr8       | 26317      | 26322    | 1.08E-05 |
| chr8       | 26412      | 26417    | 0.000744105 |
| chr8       | 26644      | 26649    | 5.22E-05 |
| chr8       | 26645      | 26650    | 8.73E-07 |
| Chromosome | Start | End   | Value         |
|------------|-------|-------|---------------|
| chr8       | 26646001 | 26651000 | 1.67E-05      |
| chr8       | 26647001 | 26652000 | 0.000563045   |
| chr8       | 26658001 | 26663000 | 6.75E-09      |
| chr8       | 26669001 | 26674000 | 0.000396999   |
| chr8       | 26688001 | 26693000 | 3.53E-07      |
| chr8       | 26689001 | 26694000 | 2.31E-10      |
| chr8       | 26690001 | 26695000 | 7.21E-07      |
| chr8       | 26691001 | 26696000 | 2.18E-06      |
| chr8       | 26692001 | 26697000 | 7.47E-08      |
| chr8       | 26693001 | 26698000 | 9.95E-05      |
| chr8       | 26698001 | 26700000 | 4.53E-06      |
| chr8       | 26700001 | 26705000 | 7.64E-07      |
| chr8       | 26701001 | 26706000 | 2.29E-06      |
| chr8       | 26815001 | 26820000 | 2.45E-05      |
| chr8       | 26829001 | 26834000 | 1.06E-06      |
| chr8       | 26991001 | 26996000 | 4.77E-05      |
| chr8       | 26992001 | 26997000 | 9.54E-08      |
| chr8       | 26993001 | 26998000 | 4.49E-08      |
| chr8       | 27003001 | 27008000 | 0.000132126   |
| chr8       | 27010001 | 27015000 | 0.000200669   |
| chr8       | 27011001 | 27016000 | 0.000740677   |
| chr8       | 27024001 | 27029000 | 5.26E-06      |
| chr8       | 27030001 | 27035000 | 0.000443979   |
| chr8       | 27073001 | 27078000 | 0.003467877   |
| chr8       | 27074001 | 27079000 | 0.003999881   |
| chr8       | 27075001 | 27080000 | 0.005241602   |
| chr8       | 27084001 | 27089000 | 3.18E-07      |
| chr8       | 27085001 | 27090000 | 3.80E-10      |
| chr8       | 27179001 | 27184000 | 1.35E-14      |
| chr8       | 27446001 | 27451000 | 4.49E-10      |
| chr8       | 27472001 | 27477000 | 2.86E-12      |
| chr8       | 27487001 | 27492000 | 6.75E-17      |
| chr8       | 27488001 | 27493000 | 4.35E-10      |
| chr8       | 27626001 | 27631000 | 3.95E-27      |
| chr8       | 27627001 | 27632000 | 2.15E-28      |
| chr8       | 27628001 | 27633000 | 1.26E-31      |
| chr8       | 27630001 | 27635000 | 7.74E-55      |
| chr8       | 27631001 | 27636000 | 3.84E-52      |
| chr8       | 27632001 | 27637000 | 1.26E-28      |
| chr8       | 28091001 | 28096000 | 3.69E-05      |
| chr8       | 28139001 | 28144000 | 6.94E-09      |
| chr8       | 28140001 | 28145000 | 8.28E-08      |
| chr8       | 28243001 | 28248000 | 6.43E-23      |
| chr8       | 28257001 | 28262000 | 6.17E-11      |
| chr8       | 28259001 | 28264000 | 2.74E-08      |
| chr8       | 28265001 | 28270000 | 4.59E-21      |
| chr8       | 28266001 | 28271000 | 8.77E-13      |
| chr8       | 28267001 | 28272000 | 9.14E-09      |
| Chromosome | Start | End    | Value     |
|------------|-------|--------|-----------|
| chr8       | 28268001 | 28273000 | 3.01E-08  |
| chr8       | 28351001 | 28356000 | 1.45E-35  |
| chr8       | 28352001 | 28357000 | 9.16E-33  |
| chr8       | 28370001 | 28375000 | 1.53E-06  |
| chr8       | 28554001 | 28559000 | 4.69E-21  |
| chr8       | 28555001 | 28560000 | 2.81E-24  |
| chr8       | 28556001 | 28561000 | 1.94E-34  |
| chr8       | 28557001 | 28562000 | 4.15E-45  |
| chr8       | 28558001 | 28563000 | 3.23E-63  |
| chr8       | 28743001 | 28748000 | 3.75E-23  |
| chr8       | 28744001 | 28749000 | 2.97E-34  |
| chr8       | 28747001 | 28752000 | 5.60E-44  |
| chr8       | 28748001 | 28753000 | 2.63E-42  |
| chr8       | 28749001 | 28754000 | 8.81E-21  |
| chr8       | 29116001 | 29121000 | 3.84E-38  |
| chr8       | 29117001 | 29122000 | 5.59E-30  |
| chr8       | 29118001 | 29123000 | 1.31E-27  |
| chr8       | 29119001 | 29124000 | 1.43E-17  |
| chr8       | 29120001 | 29125000 | 3.23E-17  |
| chr8       | 29201001 | 29206000 | 2.34E-08  |
| chr8       | 29202001 | 29207000 | 7.02E-10  |
| chr8       | 29203001 | 29208000 | 1.97E-14  |
| chr8       | 29543001 | 29548000 | 0.000588859 |
| chr8       | 29544001 | 29549000 | 5.79E-05  |
| chr8       | 29545001 | 29550000 | 0.000383085 |
| chr8       | 29951001 | 29956000 | 3.87E-22  |
| chr8       | 29952001 | 29957000 | 4.21E-21  |
| chr8       | 29953001 | 29958000 | 2.12E-27  |
| chr8       | 30237001 | 30242000 | 5.40E-11  |
| chr8       | 30585001 | 30590000 | 2.21E-06  |
| chr8       | 30726001 | 30731000 | 5.55E-05  |
| chr8       | 30765001 | 30770000 | 8.03E-14  |
| chr8       | 30767001 | 30772000 | 1.43E-13  |
| chr8       | 30768001 | 30773000 | 1.46E-14  |
| chr8       | 30769001 | 30774000 | 1.78E-12  |
| chr8       | 30886001 | 30891000 | 4.99E-33  |
| chr8       | 30887001 | 30892000 | 8.28E-44  |
| chr8       | 31010001 | 31015000 | 0.000594392 |
| chr8       | 31169001 | 31174000 | 0.000359415 |
| chr8       | 31181001 | 31186000 | 3.22E-10  |
| chr8       | 31185001 | 31190000 | 0.000526488 |
| chr8       | 31187001 | 31192000 | 6.65E-09  |
| chr8       | 31188001 | 31193000 | 2.51E-07  |
| chr8       | 31189001 | 31194000 | 1.67E-05  |
| chr8       | 31194001 | 31199000 | 1.07E-06  |
| chr8       | 31195001 | 31200000 | 1.18E-08  |
| chr8       | 31196001 | 31201000 | 1.57E-07  |
| Chromosome | Start | End   | Value         |
|------------|-------|-------|---------------|
| chr8       | 31258001 | 31263000 | 3.73E-06      |
| chr8       | 31259001 | 31264000 | 0.000153445   |
| chr8       | 31260001 | 31265000 | 0.00035101    |
| chr8       | 31265001 | 31270000 | 1.50E-05      |
| chr8       | 31266001 | 31271000 | 1.81E-06      |
| chr8       | 31268001 | 31273000 | 6.65E-05      |
| chr8       | 31275001 | 31280000 | 2.61E-06      |
| chr8       | 31368001 | 31373000 | 8.87E-07      |
| chr8       | 31421001 | 31426000 | 2.66E-09      |
| chr8       | 32005001 | 32010000 | 0.000198316    |
| chr8       | 32067001 | 32072000 | 0.002379348    |
| chr8       | 32068001 | 32073000 | 0.002788575    |
| chr8       | 32069001 | 32074000 | 0.002999276    |
| chr8       | 32117001 | 32122000 | 3.94E-06      |
| chr8       | 32125001 | 32130000 | 0.00387528     |
| chr8       | 32126001 | 32131000 | 0.006644191    |
| chr8       | 32141001 | 32146000 | 5.88E-05      |
| chr8       | 32234001 | 32239000 | 2.63E-06      |
| chr8       | 32235001 | 32240000 | 3.27E-07      |
| chr8       | 32236001 | 32241000 | 1.03E-05      |
| chr8       | 32268001 | 32273000 | 4.01E-07      |
| chr8       | 32269001 | 32274000 | 1.59E-09      |
| chr8       | 32310001 | 32315000 | 6.90E-05      |
| chr8       | 32404001 | 32409000 | 2.17E-29      |
| chr8       | 32405001 | 32410000 | 3.44E-25      |
| chr8       | 32406001 | 32411000 | 1.59E-24      |
| chr8       | 32432001 | 32437000 | 0.004472127    |
| chr8       | 32433001 | 32438000 | 0.002170196    |
| chr8       | 32434001 | 32439000 | 0.002105586    |
| chr8       | 32435001 | 32440000 | 0.00241541     |
| chr8       | 32776001 | 32781000 | 0.000342452    |
| chr8       | 32777001 | 32782000 | 0.000126457    |
| chr8       | 32789001 | 32794000 | 0.016191046    |
| chr8       | 32818001 | 32823000 | 0.00030019     |
| chr8       | 32909001 | 32914000 | 2.38E-07      |
| chr8       | 33002001 | 33007000 | 2.91E-06      |
| chr8       | 33003001 | 33008000 | 6.63E-06      |
| chr8       | 33004001 | 33009000 | 5.78E-05      |
| chr8       | 33005001 | 33010000 | 5.74E-05      |
| chr8       | 33014001 | 33019000 | 0.002930629    |
| chr8       | 33338001 | 33343000 | 1.79E-09      |
| chr8       | 33339001 | 33344000 | 2.33E-09      |
| chr8       | 33340001 | 33345000 | 5.40E-13      |
| chr8       | 33342001 | 33347000 | 7.20E-35      |
| chr8       | 33343001 | 33348000 | 2.18E-07      |
| chr8       | 33366001 | 33371000 | 1.77E-10      |
| chr8       | 33372001 | 33377000 | 1.23E-07      |
| chr8       | 33421001 | 33426000 | 2.70E-05      |
| Chromosome | Start Position | End Position | Value  |
|------------|----------------|--------------|--------|
| chr8       | 33455001       | 33460000     | 3.66E-09 |
| chr8       | 33456001       | 33461000     | 6.11E-08 |
| chr8       | 33457001       | 33462000     | 7.73E-14 |
| chr8       | 33671001       | 33676000     | 0.000765296 |
| chr8       | 33803001       | 33808000     | 0.000709456 |
| chr8       | 34045001       | 34050000     | 6.59E-05 |
| chr8       | 34046001       | 34051000     | 1.03E-05 |
| chr8       | 34133001       | 34138000     | 0.006617045 |
| chr8       | 34222001       | 34227000     | 0.003234206 |
| chr8       | 34223001       | 34228000     | 8.35E-05 |
| chr8       | 34224001       | 34229000     | 8.60E-05 |
| chr8       | 34225001       | 34230000     | 0.000191319 |
| chr8       | 34269001       | 34274000     | 0.003301476 |
| chr8       | 34270001       | 34275000     | 5.52E-05 |
| chr8       | 34271001       | 34276000     | 4.27E-05 |
| chr8       | 34272001       | 34277000     | 1.00E-05 |
| chr8       | 34273001       | 34278000     | 0.00976437 |
| chr8       | 34472001       | 34477000     | 3.91E-07 |
| chr8       | 34473001       | 34478000     | 6.33E-07 |
| chr8       | 34474001       | 34479000     | 4.70E-09 |
| chr8       | 34475001       | 34480000     | 1.71E-12 |
| chr8       | 34476001       | 34481000     | 2.96E-12 |
| chr8       | 34611001       | 34616000     | 0.001166646 |
| chr8       | 35088001       | 35093000     | 2.67E-16 |
| chr8       | 35089001       | 35094000     | 1.85E-29 |
| chr8       | 35091001       | 35096000     | 2.49E-18 |
| chr8       | 35092001       | 35097000     | 1.92E-09 |
| chr8       | 35201001       | 35206000     | 0.017498583 |
| chr8       | 35202001       | 35207000     | 0.026608908 |
| chr8       | 35203001       | 35208000     | 0.018376273 |
| chr8       | 35216001       | 35221000     | 0.016776641 |
| chr8       | 35287001       | 35292000     | 6.32E-05 |
| chr8       | 35312001       | 35317000     | 0.00073825 |
| chr8       | 35421001       | 35426000     | 6.99E-08 |
| chr8       | 35422001       | 35427000     | 1.50E-07 |
| chr8       | 35423001       | 35428000     | 6.04E-05 |
| chr8       | 35442001       | 35447000     | 2.18E-05 |
| chr8       | 35501001       | 35506000     | 0.001065864 |
| chr8       | 35504001       | 35509000     | 9.26E-06 |
| chr8       | 35505001       | 35510000     | 6.05E-06 |
| chr8       | 35534001       | 35539000     | 8.41E-05 |
| chr8       | 35563001       | 35568000     | 0.000196087 |
| chr8       | 35569001       | 35574000     | 1.08E-05 |
| chr8       | 35570001       | 35575000     | 8.68E-08 |
| chr8       | 35571001       | 35576000     | 2.34E-07 |
| chr8       | 35696001       | 35701000     | 3.15E-06 |
| chr8       | 35759001       | 35764000     | 0.000472701 |
| chr8       | 35779001       | 35784000     | 5.62E-07 |
| Chromosome | Start | End   | p-value          |
|------------|-------|-------|------------------|
| chr8       | 35815001 | 35820000 | 7.88E-06         |
| chr8       | 35890001 | 35895000 | 5.65E-05         |
| chr8       | 35891001 | 35896000 | 0.000562473      |
| chr8       | 36022001 | 36027000 | 9.08E-06         |
| chr8       | 36023001 | 36028000 | 9.26E-09         |
| chr8       | 36024001 | 36029000 | 5.74E-08         |
| chr8       | 36045001 | 36050000 | 1.65E-08         |
| chr8       | 36110001 | 36115000 | 0.008374253      |
| chr8       | 36111001 | 36116000 | 0.002374923      |
| chr8       | 36112001 | 36117000 | 0.003963981      |
| chr8       | 36195001 | 36200000 | 3.44E-08         |
| chr8       | 36264001 | 36269000 | 3.00E-06         |
| chr8       | 36360001 | 36365000 | 3.08E-12         |
| chr8       | 36410001 | 36415000 | 1.29E-08         |
| chr8       | 36676001 | 36681000 | 6.34E-05         |
| chr8       | 36693001 | 36698000 | 0.000101184      |
| chr8       | 36803001 | 36808000 | 0.002382793      |
| chr8       | 37594001 | 37599000 | 1.08E-10         |
| chr8       | 37616001 | 37621000 | 7.86E-48         |
| chr8       | 37617001 | 37622000 | 8.91E-36         |
| chr8       | 37618001 | 37623000 | 2.26E-31         |
| chr8       | 37619001 | 37624000 | 2.79E-32         |
| chr8       | 37620001 | 37625000 | 2.06E-09         |
| chr8       | 37650001 | 37655000 | 1.23E-09         |
| chr8       | 37651001 | 37656000 | 4.38E-08         |
| chr8       | 37883001 | 37888000 | 2.14E-09         |
| chr8       | 37963001 | 37968000 | 5.27E-25         |
| chr8       | 38029001 | 38034000 | 1.08E-32         |
| chr8       | 38030001 | 38035000 | 7.77E-51         |
| chr8       | 38084001 | 38089000 | 6.98E-31         |
| chr8       | 38085001 | 38090000 | 2.34E-36         |
| chr8       | 38089001 | 38094000 | 2.19E-25         |
| chr8       | 38122001 | 38127000 | 3.07E-20         |
| chr8       | 38123001 | 38128000 | 4.63E-21         |
| chr8       | 38124001 | 38129000 | 3.57E-31         |
| chr8       | 38125001 | 38130000 | 1.04E-27         |
| chr8       | 38126001 | 38131000 | 1.79E-45         |
| chr8       | 38127001 | 38132000 | 8.42E-13         |
| chr8       | 38244001 | 38249000 | 1.50E-12         |
| chr8       | 38326001 | 38331000 | 3.57E-25         |
| chr8       | 38612001 | 38617000 | 7.89E-21         |
| chr8       | 38755001 | 38760000 | 3.22E-10         |
| chr8       | 38849001 | 38854000 | 6.02E-28         |
| chr8       | 38850001 | 38855000 | 3.75E-72         |
| chr8       | 39155001 | 39160000 | 0.02251767       |
| chr8       | 39156001 | 39161000 | 0.00212749       |
| chr8       | 39167001 | 39172000 | 0.000162182      |
| chr8       | 39198001 | 39203000 | 7.27E-06         |
| Chr  | Start | End   | P-value     |
|------|-------|-------|-------------|
| chr8 | 39199001 | 39204000 | 7.52E-06    |
| chr8 | 39200001 | 39205000 | 5.53E-05    |
| chr8 | 39201001 | 39206000 | 0.000119255 |
| chr8 | 39224001 | 39229000 | 0.00283703  |
| chr8 | 39286001 | 39291000 | 3.56E-08    |
| chr8 | 39290001 | 39295000 | 5.54E-09    |
| chr8 | 39291001 | 39296000 | 1.10E-09    |
| chr8 | 39292001 | 39297000 | 1.83E-07    |
| chr8 | 39293001 | 39298000 | 7.72E-06    |
| chr8 | 39294001 | 39299000 | 9.22E-05    |
| chr8 | 39321001 | 39326000 | 0.001001146 |
| chr8 | 39322001 | 39327000 | 4.74E-05    |
| chr8 | 39323001 | 39328000 | 2.71E-05    |
| chr8 | 39373001 | 39378000 | 5.29E-06    |
| chr8 | 39374001 | 39379000 | 4.10E-06    |
| chr8 | 39396001 | 39401000 | 4.89E-10    |
| chr8 | 39397001 | 39402000 | 1.21E-05    |
| chr8 | 39403001 | 39408000 | 2.97E-07    |
| chr8 | 39404001 | 39409000 | 1.75E-05    |
| chr8 | 39432001 | 39437000 | 3.37E-06    |
| chr8 | 39526001 | 39531000 | 0.000416947 |
| chr8 | 39527001 | 39532000 | 0.000285511 |
| chr8 | 39561001 | 39566000 | 2.98E-06    |
| chr8 | 39622001 | 39627000 | 1.22E-06    |
| chr8 | 39653001 | 39658000 | 4.82E-08    |
| chr8 | 39654001 | 39659000 | 1.15E-07    |
| chr8 | 39663001 | 39668000 | 5.40E-08    |
| chr8 | 39669001 | 39674000 | 3.65E-09    |
| chr8 | 39670001 | 39675000 | 1.64E-07    |
| chr8 | 39671001 | 39676000 | 9.72E-07    |
| chr8 | 39743001 | 39748000 | 0.00065559  |
| chr8 | 39829001 | 39834000 | 3.36E-07    |
| chr8 | 39830001 | 39835000 | 1.33E-05    |
| chr8 | 39831001 | 39836000 | 1.07E-12    |
| chr8 | 40887001 | 40892000 | 3.70E-05    |
| chr8 | 40894001 | 40899000 | 1.21E-07    |
| chr8 | 40895001 | 40900000 | 3.81E-09    |
| chr8 | 40896001 | 40901000 | 7.20E-09    |
| chr8 | 40930001 | 40935000 | 5.08E-05    |
| chr8 | 41205001 | 41210000 | 6.21E-06    |
| chr8 | 41206001 | 41211000 | 1.39E-06    |
| chr8 | 41207001 | 41212000 | 3.21E-06    |
| chr8 | 41344001 | 41349000 | 6.01E-07    |
| chr8 | 41345001 | 41350000 | 1.94E-06    |
| chr8 | 41346001 | 41351000 | 1.47E-15    |
| chr8 | 41347001 | 41352000 | 1.17E-31    |
| chr8 | 41348001 | 41353000 | 1.19E-35    |
| chr8 | 41431001 | 41436000 | 8.52E-25    |
| chr8 | 41432001 | 41437000 | 7.52E-20 |
|------|----------|----------|----------|
| chr8 | 41433001 | 41438000 | 5.04E-21 |
| chr8 | 41620001 | 41625000 | 8.36E-07 |
| chr8 | 41622001 | 41627000 | 1.61E-06 |
| chr8 | 41623001 | 41628000 | 3.43E-11 |
| chr8 | 41909001 | 41914000 | 1.16E-44 |
| chr8 | 42010001 | 42015000 | 2.15E-41 |
| chr8 | 42249001 | 42254000 | 6.81E-45 |
| chr8 | 42397001 | 42402000 | 2.51E-14 |
| chr8 | 42693001 | 42698000 | 6.53E-20 |
| chr8 | 42694001 | 42699000 | 2.78E-30 |
| chr8 | 42695001 | 42700000 | 4.60E-22 |
| chr8 | 42696001 | 42701000 | 4.19E-21 |
| chr8 | 42697001 | 42702000 | 3.20E-18 |
| chr8 | 42698001 | 42703000 | 1.28E-18 |
| chr8 | 42944001 | 42949000 | 2.96E-24 |
| chr8 | 43209001 | 43214000 | 8.86E-07 |
| chr8 | 43210001 | 43215000 | 2.69E-06 |
| chr8 | 43264001 | 43269000 | 1.51E-05 |
| chr8 | 43390001 | 43395000 | 0.000124542 |
| chr8 | 43391001 | 43396000 | 0.000116662 |
| chr8 | 43717001 | 43722000 | 0.005845883 |
| chr8 | 47080001 | 47085000 | 0.000112909 |
| chr8 | 47306001 | 47311000 | 0.000256774 |
| chr8 | 47307001 | 47312000 | 3.60E-06 |
| chr8 | 47586001 | 47591000 | 4.94E-07 |
| chr8 | 47786001 | 47791000 | 2.54E-06 |
| chr8 | 47787001 | 47792000 | 1.45E-08 |
| chr8 | 47944001 | 47949000 | 0.000600461 |
| chr8 | 47945001 | 47950000 | 0.001216019 |
| chr8 | 47962001 | 47967000 | 1.37E-06 |
| chr8 | 47963001 | 47968000 | 0.001120668 |
| chr8 | 47970001 | 47975000 | 9.95E-08 |
| chr8 | 47971001 | 47976000 | 1.49E-06 |
| chr8 | 47972001 | 47977000 | 1.47E-08 |
| chr8 | 48096001 | 48101000 | 5.49E-58 |
| chr8 | 48097001 | 48102000 | 5.96E-58 |
| chr8 | 48098001 | 48103000 | 9.06E-56 |
| chr8 | 48099001 | 48104000 | 8.31E-46 |
| chr8 | 48100001 | 48105000 | 1.19E-44 |
| chr8 | 48650001 | 48655000 | 2.78E-26 |
| chr8 | 48651001 | 48656000 | 4.70E-24 |
| chr8 | 48916001 | 48921000 | 4.40E-60 |
| chr8 | 48917001 | 48922000 | 2.10E-82 |
| chr8 | 48918001 | 48923000 | 6.30E-86 |
| chr8 | 48919001 | 48924000 | 1.10E-77 |
| chr8 | 48920001 | 48925000 | 9.48E-53 |
| chr8 | 48921001 | 48926000 | 1.34E-35 |
| chr8 | 49424001 | 49429000 | 8.68E-29 |
|------|----------|----------|----------|
| chr8 | 49425001 | 49430000 | 1.07E-30 |
| chr8 | 49427001 | 49432000 | 9.51E-36 |
| chr8 | 52806001 | 52811000 | 1.68E-31 |
| chr8 | 52807001 | 52812000 | 1.78E-78 |
| chr8 | 53400001 | 53405000 | 0.000390541 |
| chr8 | 53401001 | 53406000 | 0.000258169 |
| chr8 | 53622001 | 53627000 | 9.61E-70 |
| chr8 | 53732001 | 53737000 | 4.36E-05 |
| chr8 | 53824001 | 53829000 | 5.53E-08 |
| chr8 | 53967001 | 53972000 | 1.65E-05 |
| chr8 | 54019001 | 54024000 | 1.92E-10 |
| chr8 | 54033001 | 54038000 | 1.01E-09 |
| chr8 | 54159001 | 54164000 | 6.80E-45 |
| chr8 | 54160001 | 54165000 | 1.74E-41 |
| chr8 | 54161001 | 54166000 | 1.34E-43 |
| chr8 | 55294001 | 55299000 | 4.78E-24 |
| chr8 | 55466001 | 55471000 | 8.68E-15 |
| chr8 | 55560001 | 55565000 | 3.70E-05 |
| chr8 | 55682001 | 55687000 | 5.22E-07 |
| chr8 | 55683001 | 55688000 | 4.61E-06 |
| chr8 | 55698001 | 55703000 | 1.06E-09 |
| chr8 | 55798001 | 55803000 | 0.028314368 |
| chr8 | 55845001 | 55850000 | 1.83E-06 |
| chr8 | 55846001 | 55851000 | 1.55E-06 |
| chr8 | 55847001 | 55852000 | 6.43E-05 |
| chr8 | 56037001 | 56042000 | 1.41E-05 |
| chr8 | 56038001 | 56043000 | 1.68E-09 |
| chr8 | 56788001 | 56793000 | 6.33E-38 |
| chr8 | 56793001 | 56798000 | 2.40E-16 |
| chr8 | 57686001 | 57691000 | 0.001856086 |
| chr8 | 58067001 | 58072000 | 6.99E-06 |
| chr8 | 58069001 | 58074000 | 5.81E-06 |
| chr8 | 59323001 | 59328000 | 1.11E-75 |
| chr8 | 59324001 | 59329000 | 2.78E-94 |
| chr8 | 59567001 | 59572000 | 3.20E-52 |
| chr8 | 59568001 | 59573000 | 1.33E-94 |
| chr8 | 59569001 | 59574000 | 6.55E-93 |
| chr8 | 59570001 | 59575000 | 4.60E-66 |
| chr8 | 59571001 | 59576000 | 7.31E-65 |
| chr8 | 59572001 | 59577000 | 3.40E-84 |
| chr8 | 61430001 | 61435000 | 7.13E-31 |
| chr8 | 61560001 | 61565000 | 3.03E-41 |
| chr8 | 61591001 | 61596000 | 3.75E-121 |
| chr8 | 61592001 | 61597000 | 5.59E-91 |
| chr8 | 61936001 | 61941000 | 2.41E-23 |
| chr8 | 63996001 | 64001000 | 3.53E-50 |
| chr8 | 63998001 | 64003000 | 4.25E-37 |
| chr8 | 64081001 | 64086000 | 9.60E-121 |
|------|---------|---------|----------|
| chr8 | 64188001 | 64193000 | 0.00153865 |
| chr8 | 64938001 | 64943000 | 5.70E-06 |
| chr8 | 64939001 | 64944000 | 5.82E-07 |
| chr8 | 64940001 | 64945000 | 8.35E-07 |
| chr8 | 64999001 | 65004000 | 4.92E-10 |
| chr8 | 65067001 | 65072000 | 0.00108639 |
| chr8 | 65159001 | 65164000 | 0.011590455 |
| chr8 | 65160001 | 65165000 | 4.88E-05 |
| chr8 | 65161001 | 65166000 | 8.27E-08 |
| chr8 | 66754001 | 66759000 | 5.76E-91 |
| chr8 | 67034001 | 67039000 | 6.79E-18 |
| chr8 | 67620001 | 67625000 | 1.83E-23 |
| chr8 | 67621001 | 67626000 | 9.30E-29 |
| chr8 | 67625001 | 67630000 | 2.36E-34 |
| chr8 | 67687001 | 67692000 | 2.30E-65 |
| chr8 | 67977001 | 67982000 | 1.47E-20 |
| chr8 | 68251001 | 68256000 | 7.32E-63 |
| chr8 | 68256001 | 68261000 | 1.03E-40 |
| chr8 | 68413001 | 68418000 | 2.77E-05 |
| chr8 | 68535001 | 68540000 | 1.14E-05 |
| chr8 | 68838001 | 68843000 | 0.00693261 |
| chr8 | 69190001 | 69195000 | 1.83E-12 |
| chr8 | 69239001 | 69244000 | 1.99E-36 |
| chr8 | 69400001 | 69405000 | 0.03005252 |
| chr8 | 71316001 | 71321000 | 2.70E-54 |
| chr8 | 71517001 | 71522000 | 1.66E-63 |
| chr8 | 71518001 | 71523000 | 2.21E-62 |
| chr8 | 71519001 | 71524000 | 1.11E-67 |
| chr8 | 71520001 | 71525000 | 1.75E-56 |
| chr8 | 71576001 | 71581000 | 5.30E-07 |
| chr8 | 71577001 | 71582000 | 2.65E-35 |
| chr8 | 73656001 | 73661000 | 1.03E-07 |
| chr8 | 73657001 | 73662000 | 2.95E-08 |
| chr8 | 73658001 | 73663000 | 4.88E-07 |
| chr8 | 73693001 | 73698000 | 8.36E-05 |
| chr8 | 73695001 | 73700000 | 2.40E-05 |
| chr8 | 73769001 | 73774000 | 2.00E-06 |
| chr8 | 73770001 | 73775000 | 2.75E-07 |
| chr8 | 74654001 | 74659000 | 1.29E-27 |
| chr8 | 74786001 | 74791000 | 5.12E-59 |
| chr8 | 74885001 | 74890000 | 4.63E-99 |
| chr8 | 74886001 | 74891000 | 1.99E-62 |
| chr8 | 74887001 | 74892000 | 6.14E-88 |
| chr8 | 74888001 | 74893000 | 4.00E-92 |
| chr8 | 75228001 | 75233000 | 1.40E-48 |
| Chr | Start   | End     | Log10(p)  |
|-----|---------|---------|-----------|
| chr8| 7526001 | 7526700 | 4.52E-39  |
| chr8| 7533001 | 7533500 | 4.94E-26  |
| chr8| 7632001 | 7632500 | 5.68E-47  |
| chr8| 7636700 | 7637200 | 0.004367835|
| chr8| 7672100 | 7672600 | 1.43E-14  |
| chr8| 7672200 | 7672700 | 3.00E-14  |
| chr8| 7721000 | 7721500 | 0.001525705|
| chr8| 7721100 | 7721600 | 0.001599982|
| chr8| 7791200 | 7791700 | 2.21E-102 |
| chr8| 7861400 | 7861900 | 0.004661787|
| chr8| 7971200 | 7971700 | 1.19E-49  |
| chr8| 7985800 | 7986300 | 0.024361876|
| chr8| 8012100 | 8012600 | 0.005649967|
| chr8| 8012200 | 8012700 | 0.003651762|
| chr8| 8012300 | 8012800 | 0.000606906|
| chr8| 8087100 | 8087600 | 0.000315228|
| chr8| 8087300 | 8087800 | 1.92E-07  |
| chr8| 8087400 | 8087900 | 1.23E-08  |
| chr8| 8089000 | 8089500 | 1.52E-24  |
| chr8| 8139900 | 8140400 | 4.15E-119 |
| chr8| 8159600 | 8160100 | 3.93E-31  |
| chr8| 8159700 | 8160200 | 3.68E-28  |
| chr8| 8159800 | 8160300 | 1.11E-27  |
| chr8| 8179300 | 8179800 | 0.001789615|
| chr8| 8196200 | 8196700 | 2.89E-07  |
| chr8| 8201900 | 8202400 | 8.14E-52  |
| chr8| 8202100 | 8202600 | 9.18E-76  |
| chr8| 8202200 | 8202700 | 3.19E-74  |
| chr8| 8263200 | 8263700 | 2.68E-59  |
| chr8| 8263300 | 8263800 | 7.17E-74  |
| chr8| 8264400 | 8264900 | 7.20E-54  |
| chr8| 8608500 | 8609000 | 1.15E-89  |
| chr8| 8608600 | 8609100 | 2.44E-108 |
| chr8| 8608700 | 8609200 | 7.05E-82  |
| chr8| 8608800 | 8609300 | 1.45E-51  |
| chr8| 8628001 | 8628500 | 0.004097652|
| chr8| 8637600 | 8638100 | 1.39E-50  |
| chr8| 8650900 | 8651400 | 2.38E-11  |
| chr8| 8651100 | 8651600 | 2.18E-09  |
| chr8| 8651200 | 8651700 | 1.87E-08  |
| chr8| 8677700 | 8678200 | 1.34E-11  |
| chr8| 8677800 | 8678300 | 6.21E-17  |
| chr8| 8683700 | 8684200 | 2.75E-14  |
| chr8| 8684000 | 8684500 | 4.30E-16  |
| chr8| 8698000 | 8698500 | 0.000657726|
| chr8| 8735000 | 8735500 | 2.23E-31  |
| chr8| 8735100 | 8735600 | 3.89E-43  |
| chr8| 8752200 | 8752700 | 2.70E-37  |
| Chromosome | Start | End     | Log10(p)  |
|------------|-------|---------|-----------|
| chr8       | 9714000 | 9714900 | -20.0     |
| chr8       | 9714500 | 9715000 | -21.9     |
| chr8       | 9714800 | 9715300 | -20.6     |
| chr8       | 9721100 | 9721600 | -6.7      |
| chr8       | 9828600 | 9829100 | -35.1     |
| chr8       | 9828700 | 9829200 | -36.4     |
| chr8       | 9828800 | 9829300 | -50.0     |
| chr8       | 9828900 | 9829400 | -61.2     |
| chr8       | 9829000 | 9829500 | -73.0     |
| chr8       | 9834900 | 9835400 | -34.6     |
| chr8       | 9835000 | 9835500 | -78.8     |
| chr8       | 9878400 | 9878900 | -27.9     |
| chr8       | 9887700 | 9888200 | -31.0     |
| chr8       | 9888100 | 9888600 | -34.6     |
| chr8       | 9907700 | 9908200 | -46.8     |
| chr8       | 9927600 | 9928100 | -08.7     |
| chr8       | 9930600 | 9931100 | -39.7     |
| chr8       | 9964600 | 9965100 | -06.8     |
| chr8       | 9983300 | 9983800 | -52.9     |
| chr8       | 9983400 | 9983900 | -42.5     |
| chr8       | 10111400| 10111900 | -12.7    |
| chr8       | 10116600| 10117100 | -31.2    |
| chr8       | 10116700| 10117200 | -31.8    |
| chr8       | 10116800| 10117300 | -43.2    |
| chr8       | 10116900| 10117400 | -45.2    |
| chr8       | 10117000| 10117500 | -62.0    |
| chr8       | 10122400| 10122900 | -79.2    |
| chr8       | 10122500| 10123000 | -68.1    |
| chr8       | 10132200| 10132700 | -59.7    |
| chr8       | 10324600| 10325100 | -34.5    |
| chr8       | 10324700| 10325200 | -55.7    |
| chr8       | 10342300| 10342800 | -33.8    |
| chr8       | 10342400| 10342900 | -37.5    |
| chr8       | 10361300| 10361800 | -22.0    |
| chr8       | 10366200| 10366700 | -56.1    |
| chr8       | 10403300| 10403800 | -46.9    |
| chr8       | 10429900| 10430400 | -15.0    |
| chr8       | 10430000| 10430500 | -19.0    |
| chr8       | 10430100| 10430600 | -24.9    |
| chr8       | 10430200| 10430700 | -21.1    |
| chr8       | 10431100| 10431600 | -50.0    |
| chr8       | 10437900| 10438400 | -39.7    |
| chr8       | 10451200| 10451700 | -40.8    |
| chr8       | 10452600| 10453100 | -05.8    |
| chr8       | 10560100| 10560600 | -60.3    |
| chr8       | 10633800| 10634300 | 0.0045    |
| chr8       | 10661200| 10661700 | -06.5    |
| chr8       | 10661300| 10661800 | -06.3    |
| Chromosome | Start Position | End Position | P-value  |
|------------|----------------|--------------|----------|
| chr8       | 107278001      | 107300000    | 4.83E-74 |
| chr8       | 107595001      | 107600000    | 8.34E-06 |
| chr8       | 107665001      | 107670000    | 2.08E-36 |
| chr8       | 107666001      | 107671000    | 5.70E-55 |
| chr8       | 107668001      | 107673000    | 8.83E-71 |
| chr8       | 10769001       | 107694000    | 1.76E-90 |
| chr8       | 107760001      | 107765000    | 2.61E-95 |
| chr8       | 108326001      | 108331000    | 0.013049461 |
| chr8       | 108462001      | 108467000    | 0.004909535 |
| chr8       | 108463001      | 108468000    | 0.005406614 |
| chr8       | 108465001      | 108470000    | 7.35E-11 |
| chr8       | 108469001      | 108474000    | 4.28E-06 |
| chr8       | 108903001      | 108908000    | 2.00E-20 |
| chr8       | 108904001      | 108909000    | 5.49E-21 |
| chr8       | 108905001      | 108910000    | 1.25E-17 |
| chr8       | 108907001      | 108912000    | 3.38E-20 |
| chr8       | 108926001      | 108928000    | 0.002875357 |
| chr8       | 108964001      | 108969000    | 0.000202469 |
| chr8       | 10918001       | 109184000    | 4.94E-15 |
| chr8       | 109182001      | 109187000    | 1.06E-08 |
| chr8       | 109183001      | 109188000    | 2.17E-07 |
| chr8       | 109188001      | 109193000    | 0.001704645 |
| chr8       | 109189001      | 109194000    | 0.000128079 |
| chr8       | 109374001      | 109379000    | 0.000288866 |
| chr8       | 109451001      | 109456000    | 1.80E-44 |
| chr8       | 109456001      | 109461000    | 1.22E-45 |
| chr8       | 109662001      | 109667000    | 0.001107834 |
| chr8       | 109663001      | 109668000    | 0.000119186 |
| chr8       | 109689001      | 109694000    | 2.04E-06 |
| chr8       | 109690001      | 109695000    | 6.83E-06 |
| chr8       | 109692001      | 109697000    | 0.001220692 |
| chr8       | 109699001      | 109704000    | 5.10E-09 |
| chr8       | 109710001      | 109715000    | 5.73E-05 |
| chr8       | 109799001      | 109804000    | 1.24E-33 |
| chr8       | 110007001      | 110012000    | 0.013542786 |
| chr8       | 110274001      | 110279000    | 4.85E-09 |
| chr8       | 110346001      | 110351000    | 1.39E-61 |
| chr8       | 110496001      | 110501000    | 0.002132562 |
| chr8       | 110547001      | 110552000    | 1.13E-33 |
| chr8       | 110988001      | 110993000    | 5.56E-49 |
| chr8       | 111081001      | 111086000    | 0.00032101 |
| chr8       | 111082001      | 111087000    | 0.000564105 |
| chr8       | 111117001      | 111122000    | 7.91E-05 |
| chr8       | 111118001      | 111123000    | 7.08E-05 |
| chr8       | 111119001      | 111124000    | 0.000196796 |
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chr8       | 111230001      | 111235000    | 0.002332765 |
| chr8       | 111739001      | 111744000    | 3.80E-05    |
| chr8       | 111740001      | 111745000    | 3.97E-06    |
| chr8       | 111997001      | 112002000    | 0.004656616 |
| chr8       | 113190001      | 113195000    | 0.009182584 |
| chr8       | 116675001      | 116680000    | 1.60E-70    |
| chr8       | 116676001      | 116681000    | 8.07E-72    |
| chr8       | 118375001      | 118380000    | 5.61E-05    |
| chr8       | 118376001      | 118381000    | 7.70E-05    |
| chr8       | 118533001      | 118538000    | 1.20E-59    |
| chr8       | 119124001      | 119129000    | 3.79E-54    |
| chr8       | 119248001      | 119253000    | 3.91E-05    |
| chr8       | 119249001      | 119254000    | 1.19E-05    |
| chr8       | 119251001      | 119256000    | 3.11E-06    |
| chr8       | 119275001      | 119280000    | 0.00140216  |
| chr8       | 119388001      | 119393000    | 4.66E-05    |
| chr8       | 119555001      | 119560000    | 9.59E-13    |
| chr8       | 119612001      | 119617000    | 0.000716253 |
| chr8       | 119613001      | 119618000    | 1.08E-07    |
| chr8       | 119614001      | 119619000    | 2.85E-08    |
| chr8       | 119615001      | 119620000    | 2.58E-14    |
| chr8       | 119616001      | 119621000    | 3.48E-11    |
| chr8       | 120127001      | 120132000    | 6.59E-06    |
| chr8       | 120150001      | 120155000    | 0.005304875 |
| chr8       | 120315001      | 120320000    | 1.39E-08    |
| chr8       | 120424001      | 120429000    | 3.37E-50    |
| chr8       | 120425001      | 120430000    | 4.54E-39    |
| chr8       | 120426001      | 120431000    | 7.40E-43    |
| chr8       | 120427001      | 120432000    | 2.95E-56    |
| chr8       | 120428001      | 120433000    | 1.93E-67    |
| chr8       | 120429001      | 120434000    | 1.97E-33    |
| chr8       | 120505001      | 120510000    | 4.93E-08    |
| chr8       | 120506001      | 120511000    | 7.14E-10    |
| chr8       | 120507001      | 120512000    | 3.01E-07    |
| chr8       | 120579001      | 120584000    | 5.24E-06    |
| chr8       | 120586001      | 120591000    | 1.45E-06    |
| chr8       | 120842001      | 120847000    | 5.07E-52    |
| chr8       | 120843001      | 120848000    | 3.96E-62    |
| chr8       | 120844001      | 120849000    | 1.85E-53    |
| chr8       | 120845001      | 120850000    | 3.03E-26    |
| chr8       | 120863001      | 120868000    | 2.48E-29    |
| chr8       | 121677001      | 121682000    | 1.26E-06    |
| chr8       | 121866001      | 121871000    | 2.24E-06    |
| chr8       | 122269001      | 122274000    | 0.000212171 |
| chr8       | 122270001      | 122275000    | 1.11E-05    |
| chr8       | 122271001      | 122276000    | 4.10E-12    |
| chr8       | 122272001      | 122277000    | 9.23E-11    |
| chr8       | 122273001      | 122278000    | 1.79E-11    |
| Chr  | Start  | End    | Value          |
|------|--------|--------|----------------|
| chr8 | 122274001 | 12279000 | 1.32E-10       |
| chr8 | 122275001 | 12280000 | 1.83E-09       |
| chr8 | 122751001 | 122756000 | 4.97E-10       |
| chr8 | 122836001 | 122841000 | 0.000116358    |
| chr8 | 122853001 | 122858000 | 4.57E-08       |
| chr8 | 123034001 | 123039000 | 6.11E-28       |
| chr8 | 123035001 | 123040000 | 4.38E-19       |
| chr8 | 123037001 | 123042000 | 2.92E-22       |
| chr8 | 123038001 | 123043000 | 1.16E-21       |
| chr8 | 124124001 | 124129000 | 0.004124245    |
| chr8 | 124282001 | 124287000 | 2.99E-93       |
| chr8 | 124408001 | 124413000 | 9.96E-44       |
| chr8 | 124553001 | 124558000 | 3.58E-34       |
| chr8 | 124779001 | 124784000 | 3.95E-68       |
| chr8 | 124780001 | 124785000 | 3.27E-79       |
| chr8 | 125380001 | 125385000 | 1.30E-89       |
| chr8 | 125547001 | 125552000 | 1.20E-43       |
| chr8 | 125549001 | 125554000 | 2.18E-74       |
| chr8 | 125551001 | 125560000 | 1.72E-53       |
| chr8 | 126006001 | 126011000 | 4.41E-83       |
| chr8 | 126913001 | 126918000 | 0.000205972    |
| chr8 | 127564001 | 127569000 | 2.52E-61       |
| chr8 | 128089001 | 128094000 | 0.001699908    |
| chr8 | 128139001 | 128144000 | 0.005445888    |
| chr8 | 130253001 | 130258000 | 5.05E-07       |
| chr8 | 131370001 | 131375000 | 5.70E-57       |
| chr8 | 133783001 | 133788000 | 1.52E-99       |
| chr8 | 133784001 | 133789000 | 3.66E-84       |
| chr8 | 133785001 | 133790000 | 8.01E-97       |
| chr8 | 133786001 | 133791000 | 3.35E-116      |
| chr8 | 133787001 | 133792000 | 1.69E-109      |
| chr8 | 134178001 | 134183000 | 1.46E-07       |
| chr8 | 138395001 | 138400000 | 1.26E-06       |
| chr8 | 138815001 | 138820000 | 4.56E-08       |
| chr8 | 141467001 | 141472000 | 6.91E-62       |
| chr8 | 142010001 | 142015000 | 2.16E-58       |
| chr8 | 142011001 | 142016000 | 1.47E-44       |
| chr8 | 143749001 | 143754000 | 8.81E-39       |
| chr8 | 143750001 | 143755000 | 3.33E-43       |
| chr8 | 143808001 | 143813000 | 4.13E-83       |
| chr8 | 144715001 | 144720000 | 3.88E-29       |
| chr8 | 144716001 | 144721000 | 1.12E-29       |
| chr8 | 144717001 | 144722000 | 3.56E-42       |
| chr8 | 144718001 | 144723000 | 2.89E-75       |
| chr8 | 145135001 | 145140000 | 2.84E-21       |
| chr8 | 145136001 | 145141000 | 5.74E-13       |
| chr8 | 145137001 | 145142000 | 6.15E-08       |
| chr8 | 145515001 | 145520000 | 9.51E-30       |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr8       | 146023001 | 146028000 | 1.87E-38 |
| chr8       | 146052001 | 146057000 | 5.61E-30 |
| chr8       | 146277001 | 146282000 | 5.06E-36 |
| chr9       | 179001   | 184000  | 5.54E-07 |
| chr9       | 180001   | 185000  | 0.009035805 |
| chr9       | 210001   | 215000  | 2.59E-50 |
| chr9       | 211001   | 216000  | 2.18E-59 |
| chr9       | 212001   | 217000  | 9.41E-62 |
| chr9       | 213001   | 218000  | 9.66E-66 |
| chr9       | 214001   | 219000  | 5.85E-59 |
| chr9       | 215001   | 220000  | 1.76E-21 |
| chr9       | 236001   | 241000  | 2.56E-07 |
| chr9       | 363001   | 368000  | 5.57E-07 |
| chr9       | 440001   | 445000  | 1.20E-08 |
| chr9       | 441001   | 446000  | 1.25E-07 |
| chr9       | 451001   | 456000  | 1.19E-09 |
| chr9       | 452001   | 457000  | 7.64E-11 |
| chr9       | 453001   | 458000  | 5.31E-15 |
| chr9       | 454001   | 459000  | 5.39E-09 |
| chr9       | 455001   | 460000  | 4.45E-07 |
| chr9       | 477001   | 482000  | 0.00140649 |
| chr9       | 500001   | 505000  | 1.54E-25 |
| chr9       | 501001   | 506000  | 1.06E-24 |
| chr9       | 503001   | 508000  | 6.87E-14 |
| chr9       | 504001   | 509000  | 7.54E-14 |
| chr9       | 505001   | 510000  | 9.42E-30 |
| chr9       | 556001   | 561000  | 6.60E-10 |
| chr9       | 557001   | 562000  | 6.09E-08 |
| chr9       | 700001   | 705000  | 4.28E-12 |
| chr9       | 701001   | 706000  | 2.88E-13 |
| chr9       | 705001   | 710000  | 2.68E-19 |
| chr9       | 727001   | 732000  | 8.90E-11 |
| chr9       | 728001   | 733000  | 2.82E-11 |
| chr9       | 853001   | 858000  | 4.07E-06 |
| chr9       | 905001   | 910000  | 1.09E-09 |
| chr9       | 906001   | 911000  | 3.94E-11 |
| chr9       | 958001   | 963000  | 2.97E-09 |
| chr9       | 1014001  | 1019000 | 2.62E-11 |
| chr9       | 1105001  | 1110000 | 0.000132683 |
| chr9       | 1106001  | 1111000 | 2.88E-05 |
| chr9       | 1108001  | 1113000 | 0.00216924 |
| chr9       | 1125001  | 1130000 | 7.96E-05 |
| chr9       | 1126001  | 1131000 | 3.82E-05 |
| chr9       | 1127001  | 1132000 | 3.10E-06 |
| chr9       | 1193001  | 1198000 | 6.66E-11 |
| chr9       | 1195001  | 1200000 | 1.28E-12 |
| chr9       | 1196001  | 1201000 | 5.75E-06 |
| chr9       | 1201001  | 1206000 | 7.55E-07 |
| Chromosome | Start | End | p-value       |
|------------|-------|-----|---------------|
| chr9       | 1223001 | 1228000 | 2.96E-06     |
| chr9       | 1271001 | 1276000 | 0.000330675  |
| chr9       | 1285001 | 1290000 | 0.001848107  |
| chr9       | 1289001 | 1294000 | 4.73E-05     |
| chr9       | 1324001 | 1329000 | 0.00118313   |
| chr9       | 1325001 | 1330000 | 0.004183577  |
| chr9       | 1327001 | 1332000 | 0.000588972  |
| chr9       | 1337001 | 1342000 | 0.00493127   |
| chr9       | 1365001 | 1370000 | 2.31E-09     |
| chr9       | 1366001 | 1371000 | 8.31E-08     |
| chr9       | 1367001 | 1372000 | 2.01E-07     |
| chr9       | 1405001 | 1410000 | 1.27E-10     |
| chr9       | 1409001 | 1414000 | 3.93E-07     |
| chr9       | 1452001 | 1457000 | 9.79E-05     |
| chr9       | 1455001 | 1460000 | 0.000320352  |
| chr9       | 1466001 | 1471000 | 0.003301756  |
| chr9       | 1467001 | 1472000 | 0.004337562  |
| chr9       | 1468001 | 1473000 | 0.00174983   |
| chr9       | 1489001 | 1494000 | 9.39E-08     |
| chr9       | 1490001 | 1495000 | 1.54E-07     |
| chr9       | 1491001 | 1496000 | 1.81E-09     |
| chr9       | 1492001 | 1497000 | 5.88E-10     |
| chr9       | 1493001 | 1498000 | 6.67E-10     |
| chr9       | 1494001 | 1499000 | 8.45E-05     |
| chr9       | 1495001 | 1500000 | 0.001148677  |
| chr9       | 1496001 | 1501000 | 0.000653334  |
| chr9       | 1505001 | 1510000 | 1.54E-05     |
| chr9       | 1515001 | 1520000 | 2.75E-06     |
| chr9       | 1524001 | 1529000 | 2.51E-08     |
| chr9       | 1525001 | 1530000 | 8.32E-08     |
| chr9       | 1528001 | 1533000 | 2.33E-05     |
| chr9       | 1529001 | 1534000 | 3.00E-06     |
| chr9       | 1538001 | 1543000 | 3.32E-05     |
| chr9       | 1546001 | 1551000 | 0.000365387  |
| chr9       | 1554001 | 1559000 | 2.28E-05     |
| chr9       | 1580001 | 1585000 | 7.36E-05     |
| chr9       | 1581001 | 1586000 | 1.96E-07     |
| chr9       | 1582001 | 1587000 | 1.47E-12     |
| chr9       | 1583001 | 1588000 | 1.30E-12     |
| chr9       | 1584001 | 1589000 | 5.74E-12     |
| chr9       | 1585001 | 1590000 | 7.39E-15     |
| chr9       | 1586001 | 1591000 | 2.31E-13     |
| chr9       | 1587001 | 1592000 | 6.34E-07     |
| chr9       | 1588001 | 1593000 | 9.08E-07     |
| chr9       | 1589001 | 1594000 | 1.93E-08     |
| chr9       | 1590001 | 1595000 | 9.64E-07     |
| chr9       | 1591001 | 1596000 | 9.91E-05     |
| chr9       | 1592001 | 1597000 | 0.000715681  |
| chr  | Start   | End     | P-value  |
|------|---------|---------|----------|
| chr9 | 1593001 | 1598000 | 5.20E-05 |
| chr9 | 1594001 | 1599000 | 0.000250415 |
| chr9 | 1595001 | 1600000 | 7.49E-05 |
| chr9 | 1596001 | 1601000 | 9.08E-09 |
| chr9 | 1597001 | 1602000 | 7.53E-08 |
| chr9 | 1598001 | 1603000 | 5.30E-06 |
| chr9 | 1634001 | 1639000 | 1.43E-06 |
| chr9 | 1635001 | 1640000 | 4.31E-08 |
| chr9 | 1655001 | 1660000 | 4.03E-09 |
| chr9 | 1657001 | 1662000 | 1.68E-09 |
| chr9 | 1689001 | 1694000 | 6.98E-14 |
| chr9 | 1690001 | 1695000 | 1.86E-09 |
| chr9 | 1691001 | 1696000 | 5.50E-07 |
| chr9 | 1692001 | 1697000 | 1.59E-06 |
| chr9 | 1709001 | 1714000 | 1.71E-05 |
| chr9 | 1744001 | 1749000 | 9.41E-05 |
| chr9 | 1766001 | 1771000 | 4.32E-08 |
| chr9 | 1778001 | 1783000 | 1.14E-08 |
| chr9 | 1780001 | 1785000 | 8.18E-10 |
| chr9 | 1784001 | 1789000 | 6.01E-06 |
| chr9 | 1785001 | 1790000 | 1.34E-08 |
| chr9 | 1786001 | 1791000 | 1.01E-07 |
| chr9 | 1800001 | 1805000 | 0.000333168 |
| chr9 | 1813001 | 1818000 | 0.00254932 |
| chr9 | 1814001 | 1819000 | 0.001429525 |
| chr9 | 1818001 | 1823000 | 6.12E-09 |
| chr9 | 1822001 | 1827000 | 1.11E-09 |
| chr9 | 1824001 | 1829000 | 2.76E-06 |
| chr9 | 1825001 | 1830000 | 2.45E-06 |
| chr9 | 1829001 | 1834000 | 2.50E-05 |
| chr9 | 1859001 | 1864000 | 2.31E-13 |
| chr9 | 1881001 | 1886000 | 0.000967411 |
| chr9 | 1888001 | 1893000 | 9.22E-07 |
| chr9 | 1890001 | 1895000 | 7.68E-06 |
| chr9 | 1892001 | 1897000 | 1.40E-06 |
| chr9 | 1901001 | 1906000 | 7.62E-05 |
| chr9 | 1954001 | 1959000 | 4.87E-06 |
| chr9 | 1955001 | 1960000 | 3.09E-09 |
| chr9 | 1974001 | 1979000 | 1.32E-05 |
| chr9 | 2010001 | 2015000 | 1.85E-16 |
| chr9 | 2011001 | 2016000 | 3.24E-49 |
| chr9 | 2012001 | 2017000 | 1.11E-53 |
| chr9 | 2017001 | 2022000 | 7.07E-36 |
| chr9 | 2158001 | 2163000 | 3.77E-12 |
| chr9 | 2376001 | 2381000 | 9.96E-05 |
| chr9 | 2390001 | 2395000 | 0.000814808 |
| chr9 | 2392001 | 2397000 | 0.009816498 |
| chr9 | 2393001 | 2398000 | 0.02583298 |
| Gene  | Start | End   | p-value |
|-------|-------|-------|---------|
| chr9  | 2617001 | 2622000 | 1.21E-17 |
| chr9  | 2839001 | 2844000 | 9.42E-23 |
| chr9  | 2840001 | 2845000 | 2.83E-23 |
| chr9  | 3504001 | 3509000 | 0.015565007 |
| chr9  | 3505001 | 3510000 | 0.017549712 |
| chr9  | 3520001 | 3525000 | 0.000415439 |
| chr9  | 3526001 | 3531000 | 2.46E-38 |
| chr9  | 3915001 | 3920000 | 0.000589275 |
| chr9  | 4293001 | 4298000 | 5.23E-22 |
| chr9  | 4294001 | 4299000 | 3.87E-21 |
| chr9  | 4412001 | 4417000 | 0.000589275 |
| chr9  | 4413001 | 4418000 | 2.02E-10 |
| chr9  | 4414001 | 4419000 | 5.09E-07 |
| chr9  | 4452001 | 4457000 | 5.78E-05 |
| chr9  | 4490001 | 4495000 | 2.45E-17 |
| chr9  | 4491001 | 4496000 | 1.27E-06 |
| chr9  | 4658001 | 4663000 | 6.48E-13 |
| chr9  | 4659001 | 4664000 | 5.21E-11 |
| chr9  | 4660001 | 4665000 | 3.46E-18 |
| chr9  | 4664001 | 4669000 | 1.83E-15 |
| chr9  | 4665001 | 4670000 | 3.02E-07 |
| chr9  | 4666001 | 4671000 | 4.63E-06 |
| chr9  | 4736001 | 4741000 | 1.23E-15 |
| chr9  | 4737001 | 4742000 | 1.61E-31 |
| chr9  | 4738001 | 4743000 | 3.66E-28 |
| chr9  | 4739001 | 4744000 | 5.94E-15 |
| chr9  | 4793001 | 4798000 | 1.13E-24 |
| chr9  | 5139001 | 5144000 | 0.000252841 |
| chr9  | 5141001 | 5146000 | 4.60E-07 |
| chr9  | 5156001 | 5161000 | 1.66E-05 |
| chr9  | 5157001 | 5162000 | 8.47E-06 |
| chr9  | 5158001 | 5163000 | 5.02E-06 |
| chr9  | 5159001 | 5164000 | 3.58E-06 |
| chr9  | 5227001 | 5232000 | 2.83E-09 |
| chr9  | 5230001 | 5235000 | 1.36E-09 |
| chr9  | 5264001 | 5269000 | 0.003147108 |
| chr9  | 5297001 | 5302000 | 2.18E-05 |
| chr9  | 5298001 | 5303000 | 0.000366364 |
| chr9  | 5300001 | 5305000 | 6.98E-14 |
| chr9  | 5301001 | 5306000 | 5.35E-13 |
| chr9  | 5302001 | 5307000 | 2.61E-07 |
| chr9  | 5303001 | 5308000 | 7.39E-09 |
| chr9  | 5304001 | 5309000 | 2.57E-23 |
| chr9  | 5305001 | 5310000 | 9.76E-08 |
| chr9  | 5307001 | 5312000 | 6.48E-08 |
| chr9  | 5336001 | 5341000 | 4.34E-11 |
| chr9  | 5337001 | 5342000 | 2.23E-11 |
| chr9  | 5375001 | 5380000 | 0.001366963 |
| Chr  | Start   | End     | P-Value       |
|------|---------|---------|---------------|
| chr9 | 5435001 | 5440000 | 7.75E-35      |
| chr9 | 5436001 | 5441000 | 4.11E-36      |
| chr9 | 5437001 | 5442000 | 4.86E-37      |
| chr9 | 5445001 | 5450000 | 1.16E-09      |
| chr9 | 5446001 | 5451000 | 2.47E-10      |
| chr9 | 5447001 | 5452000 | 1.10E-11      |
| chr9 | 5493001 | 5498000 | 3.14E-06      |
| chr9 | 5575001 | 5580000 | 0.00201855    |
| chr9 | 5624001 | 5629000 | 1.31E-09      |
| chr9 | 5833001 | 5838000 | 2.39E-09      |
| chr9 | 6003001 | 6008000 | 9.11E-52      |
| chr9 | 6004001 | 6009000 | 4.93E-46      |
| chr9 | 6005001 | 6010000 | 1.53E-54      |
| chr9 | 6006001 | 6011000 | 9.47E-70      |
| chr9 | 6007001 | 6012000 | 8.16E-59      |
| chr9 | 6008001 | 6013000 | 1.15E-35      |
| chr9 | 6158001 | 6163000 | 0.00112409    |
| chr9 | 6159001 | 6164000 | 0.000795682   |
| chr9 | 6160001 | 6165000 | 0.001004844   |
| chr9 | 6161001 | 6166000 | 0.00105889    |
| chr9 | 6168001 | 6173000 | 0.000201824   |
| chr9 | 6176001 | 6181000 | 6.75E-10      |
| chr9 | 6179001 | 6184000 | 1.82E-11      |
| chr9 | 6409001 | 6414000 | 4.11E-33      |
| chr9 | 6676001 | 6681000 | 6.51E-11      |
| chr9 | 6677001 | 6682000 | 2.28E-31      |
| chr9 | 6678001 | 6683000 | 3.24E-22      |
| chr9 | 6679001 | 6684000 | 4.80E-25      |
| chr9 | 6680001 | 6685000 | 2.13E-40      |
| chr9 | 6681001 | 6686000 | 4.86E-28      |
| chr9 | 6699001 | 6704000 | 3.80E-07      |
| chr9 | 6700001 | 6705000 | 6.99E-16      |
| chr9 | 6701001 | 6706000 | 7.30E-16      |
| chr9 | 6702001 | 6707000 | 1.65E-11      |
| chr9 | 6703001 | 6708000 | 1.17E-09      |
| chr9 | 7164001 | 7169000 | 6.16E-06      |
| chr9 | 7534001 | 7539000 | 1.85E-05      |
| chr9 | 7649001 | 7654000 | 2.28E-05      |
| chr9 | 7795001 | 7800000 | 3.22E-58      |
| chr9 | 7796001 | 7801000 | 9.64E-51      |
| chr9 | 7797001 | 7802000 | 3.67E-47      |
| chr9 | 7798001 | 7803000 | 1.10E-34      |
| chr9 | 7799001 | 7804000 | 4.55E-26      |
| chr9 | 7848001 | 7853000 | 0.001641329   |
| chr9 | 8239001 | 8244000 | 6.24E-05      |
| chr9 | 8248001 | 8253000 | 1.83E-05      |
| chr9 | 8286001 | 8291000 | 4.85E-06      |
| chr9 | 8287001 | 8292000 | 4.63E-05      |
| Chromosome | Start | End   | p-value     |
|------------|-------|-------|-------------|
| chr9       | 8430001 | 8435000 | 0.0003508   |
| chr9       | 8486001 | 8491000 | 0.00120018  |
| chr9       | 8826001 | 8831000 | 0.021379307 |
| chr9       | 8997001 | 9002000 | 0.000802807 |
| chr9       | 9059001 | 9064000 | 0.012967221 |
| chr9       | 9060001 | 9065000 | 0.000615624 |
| chr9       | 9097001 | 9102000 | 3.18E-05    |
| chr9       | 9124001 | 9129000 | 0.002606396 |
| chr9       | 9138001 | 9143000 | 0.000857263 |
| chr9       | 9139001 | 9144000 | 8.32E-07    |
| chr9       | 9140001 | 9145000 | 0.000658526 |
| chr9       | 9169001 | 9174000 | 0.00134806  |
| chr9       | 9170001 | 9175000 | 0.002762193 |
| chr9       | 9172001 | 9177000 | 0.00186169  |
| chr9       | 9188001 | 9193000 | 0.002087151 |
| chr9       | 9189001 | 9194000 | 0.004180142 |
| chr9       | 9190001 | 9195000 | 0.001355539 |
| chr9       | 9191001 | 9196000 | 0.001398124 |
| chr9       | 9192001 | 9197000 | 0.031317311 |
| chr9       | 9204001 | 9209000 | 1.18E-05    |
| chr9       | 9211001 | 9216000 | 0.013608215 |
| chr9       | 9347001 | 9352000 | 0.002840691 |
| chr9       | 9348001 | 9353000 | 0.006257778 |
| chr9       | 9349001 | 9354000 | 0.003063289 |
| chr9       | 9618001 | 9623000 | 1.35E-06    |
| chr9       | 9822001 | 9827000 | 0.000148805 |
| chr9       | 9823001 | 9828000 | 5.34E-07    |
| chr9       | 9929001 | 9934000 | 1.86E-05    |
| chr9       | 10268001| 10273000| 4.34E-05    |
| chr9       | 10572001| 10577000| 0.00178453  |
| chr9       | 10608001| 10613000| 8.79E-16    |
| chr9       | 10613001| 10618000| 6.14E-22    |
| chr9       | 10627001| 10632000| 0.000257922 |
| chr9       | 10668001| 10673000| 0.000646926 |
| chr9       | 10716001| 10721000| 0.00196123  |
| chr9       | 10717001| 10722000| 0.002128151 |
| chr9       | 10718001| 10723000| 1.27E-05    |
| chr9       | 10719001| 10724000| 0.000100757 |
| chr9       | 10720001| 10725000| 0.000512186 |
| chr9       | 10816001| 10821000| 0.00027742  |
| chr9       | 10817001| 10822000| 0.000237428 |
| chr9       | 10950001| 10955000| 2.54E-07    |
| chr9       | 10951001| 10956000| 4.71E-10    |
| chr9       | 10975001| 10980000| 3.24E-05    |
| chr9       | 11189001| 11194000| 0.001259697 |
| chr9       | 11282001| 11287000| 2.66E-05    |
| chr9       | 11419001| 11424000| 0.001429328 |
| chr9       | 11608001| 11613000| 0.010116761 |
| Chromosome | Start | End   | p-value  |
|------------|-------|-------|----------|
| chr9       | 11679001 | 11684000 | 0.001152875 |
| chr9       | 11691001 | 11696000 | 0.006809074  |
| chr9       | 11769001 | 11774000 | 1.96E-05     |
| chr9       | 11770001 | 11775000 | 6.25E-05     |
| chr9       | 11771001 | 11776000 | 2.60E-05     |
| chr9       | 11796001 | 11801000 | 0.000702841  |
| chr9       | 11807001 | 11812000 | 0.0002867    |
| chr9       | 12163001 | 12168000 | 8.93E-08     |
| chr9       | 12213001 | 12218000 | 3.50E-06     |
| chr9       | 12214001 | 12219000 | 3.92E-05     |
| chr9       | 12318001 | 12323000 | 0.000375636  |
| chr9       | 12423001 | 12428000 | 0.003663292  |
| chr9       | 12488001 | 12493000 | 0.000324923  |
| chr9       | 12530001 | 12535000 | 8.86E-05     |
| chr9       | 12531001 | 12536000 | 0.001376761  |
| chr9       | 12532001 | 12537000 | 0.000171635  |
| chr9       | 12771001 | 12776000 | 2.08E-29     |
| chr9       | 12772001 | 12777000 | 2.54E-28     |
| chr9       | 12812001 | 12817000 | 0.011958965  |
| chr9       | 12813001 | 12818000 | 0.00176168   |
| chr9       | 13181001 | 13186000 | 0.011403062  |
| chr9       | 13274001 | 13279000 | 2.43E-17     |
| chr9       | 13275001 | 13280000 | 1.08E-23     |
| chr9       | 13276001 | 13281000 | 1.18E-26     |
| chr9       | 13277001 | 13282000 | 9.19E-16     |
| chr9       | 13278001 | 13283000 | 6.38E-19     |
| chr9       | 13279001 | 13284000 | 2.16E-22     |
| chr9       | 13781001 | 13786000 | 0.013937538  |
| chr9       | 14270001 | 14275000 | 2.66E-08     |
| chr9       | 14315001 | 14320000 | 2.45E-19     |
| chr9       | 14689001 | 14694000 | 3.10E-44     |
| chr9       | 14690001 | 14695000 | 1.92E-35     |
| chr9       | 14691001 | 14696000 | 2.07E-42     |
| chr9       | 14693001 | 14698000 | 3.94E-23     |
| chr9       | 14816001 | 14821000 | 5.72E-05     |
| chr9       | 14818001 | 14823000 | 1.86E-06     |
| chr9       | 14843001 | 14848000 | 1.22E-12     |
| chr9       | 14844001 | 14849000 | 3.65E-09     |
| chr9       | 14893001 | 14898000 | 3.79E-05     |
| chr9       | 14904001 | 14909000 | 1.55E-05     |
| chr9       | 14905001 | 14910000 | 1.71E-05     |
| chr9       | 14906001 | 14911000 | 4.32E-07     |
| chr9       | 14962001 | 14967000 | 8.80E-09     |
| chr9       | 15000001 | 15005000 | 5.92E-05     |
| chr9       | 15001001 | 15006000 | 3.87E-06     |
| chr9       | 15002001 | 15007000 | 7.18E-05     |
| chr9       | 15008001 | 15013000 | 0.001744862  |
| chr9       | 15009001 | 15014000 | 3.68E-06     |
| Chr  | Start位置 | End位置 | P值   |
|------|-----------|---------|-------|
| chr9 | 15012001  | 15017000| 6.59E-06  |
| chr9 | 15015001  | 15020000| 2.86E-05  |
| chr9 | 15028001  | 15033000| 9.77E-09  |
| chr9 | 15029001  | 15034000| 7.50E-06  |
| chr9 | 15030001  | 15035000| 3.78E-06  |
| chr9 | 15031001  | 15036000| 2.89E-08  |
| chr9 | 15032001  | 15037000| 2.07E-13  |
| chr9 | 15033001  | 15038000| 5.39E-09  |
| chr9 | 15034001  | 15039000| 6.81E-10  |
| chr9 | 15036000  | 15041000| 3.90E-05  |
| chr9 | 15070001  | 15075000| 0.001981666|
| chr9 | 15302001  | 15307000| 3.19E-23  |
| chr9 | 15303001  | 15308000| 6.21E-47  |
| chr9 | 15304001  | 15309000| 1.26E-39  |
| chr9 | 15305001  | 15310000| 1.75E-41  |
| chr9 | 15306001  | 15311000| 2.53E-42  |
| chr9 | 15307001  | 15312000| 1.65E-34  |
| chr9 | 15506001  | 15511000| 8.16E-105 |
| chr9 | 15507001  | 15512000| 6.97E-76  |
| chr9 | 15508001  | 15513000| 8.73E-111 |
| chr9 | 15509001  | 15514000| 1.95E-75  |
| chr9 | 15510001  | 15515000| 3.16E-61  |
| chr9 | 15511001  | 15516000| 6.97E-26  |
| chr9 | 15765001  | 15770000| 2.55E-05  |
| chr9 | 16226001  | 16231000| 1.20E-09  |
| chr9 | 16535001  | 16540000| 1.50E-10  |
| chr9 | 16536001  | 16541000| 9.20E-15  |
| chr9 | 16537001  | 16542000| 1.81E-12  |
| chr9 | 16538001  | 16543000| 5.10E-09  |
| chr9 | 16539001  | 16544000| 6.21E-07  |
| chr9 | 16722001  | 16727000| 9.33E-20  |
| chr9 | 16866001  | 16871000| 1.80E-19  |
| chr9 | 16867001  | 16872000| 2.45E-16  |
| chr9 | 16869001  | 16874000| 4.28E-15  |
| chr9 | 16870001  | 16875000| 5.80E-09  |
| chr9 | 16946001  | 16951000| 0.000222505|
| chr9 | 17133001  | 17138000| 1.90E-24  |
| chr9 | 17134001  | 17139000| 1.50E-26  |
| chr9 | 17135001  | 17140000| 6.54E-46  |
| chr9 | 17267001  | 17272000| 2.91E-07  |
| chr9 | 17268001  | 17273000| 3.69E-06  |
| chr9 | 17357001  | 17362000| 0.000115342|
| chr9 | 17358001  | 17363000| 0.001178575|
| chr9 | 17359001  | 17364000| 0.000565502|
| chr9 | 17360001  | 17365000| 0.001355076|
| chr9 | 17574001  | 17579000| 3.23E-17  |
| chr9 | 17575001  | 17580000| 1.05E-27  |
| chr9 | 17576001  | 17581000| 2.38E-49  |
| chr9 | 20162001 | 20167000 | 2.43E-06 |
|------|---------|---------|----------|
| chr9 | 20163001 | 20168000 | 0.00021717 |
| chr9 | 20164001 | 20169000 | 0.000560693 |
| chr9 | 20174001 | 20179000 | 0.004039448 |
| chr9 | 20223001 | 20228000 | 3.75E-05 |
| chr9 | 20253001 | 20258000 | 0.00027717 |
| chr9 | 20293001 | 20298000 | 0.000560693 |
| chr9 | 20300001 | 20305000 | 0.00021717 |
| chr9 | 20378001 | 20383000 | 0.00021717 |
| chr9 | 20407001 | 20412000 | 0.000560693 |
| chr9 | 20616001 | 20621000 | 1.37E-26 |
| chr9 | 20617001 | 20622000 | 1.17E-39 |
| chr9 | 20618001 | 20623000 | 1.69E-42 |
| chr9 | 20647001 | 20652000 | 0.004540832 |
| chr9 | 20654001 | 20659000 | 2.07E-29 |
| chr9 | 20655001 | 20660000 | 2.01E-12 |
| chr9 | 20656001 | 20661000 | 3.95E-12 |
| chr9 | 20657001 | 20662000 | 1.12E-09 |
| chr9 | 20658001 | 20663000 | 1.33E-10 |
| chr9 | 20684001 | 20689000 | 9.38E-20 |
| chr9 | 21134001 | 21139000 | 0.000553588 |
| chr9 | 21146001 | 21151000 | 5.52E-06 |
| chr9 | 21181001 | 21186000 | 1.20E-07 |
| chr9 | 21182001 | 21187000 | 1.22E-06 |
| chr9 | 21183001 | 21188000 | 1.19E-05 |
| chr9 | 21184001 | 21189000 | 0.001488427 |
| chr9 | 21185001 | 21190000 | 0.001547823 |
| chr9 | 21186001 | 21191000 | 0.000391146 |
| chr9 | 21187001 | 21192000 | 3.16E-10 |
| chr9 | 21204001 | 21209000 | 0.000103886 |
| chr9 | 21238001 | 21243000 | 6.23E-05 |
| chr9 | 21239001 | 21244000 | 0.000894206 |
| chr9 | 21240001 | 21245000 | 0.000894206 |
| chr9 | 21282001 | 21287000 | 0.000998673 |
| chr9 | 21359001 | 21364000 | 2.87E-06 |
| chr9 | 21396001 | 21401000 | 5.06E-18 |
| chr9 | 21441001 | 21446000 | 2.63E-08 |
| chr9 | 21459001 | 21464000 | 0.000242055 |
| chr9 | 21500001 | 21505000 | 0.000701771 |
| chr9 | 21501001 | 21506000 | 0.000268964 |
| chr9 | 21529001 | 21534000 | 0.000217524 |
| chr9 | 21531001 | 21536000 | 0.00034416 |
| chr9 | 21548001 | 21553000 | 7.85E-06 |
| chr9 | 21549001 | 21554000 | 3.78E-07 |
| chr9 | 21555001 | 21560000 | 7.01E-07 |
| chr9 | 21556001 | 21561000 | 1.49E-67 |
| chr9 | 21557001 | 21562000 | 2.62E-73 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr9       | 21558001       | 21563000     | 4.80E-66 |
| chr9       | 21559001       | 21564000     | 7.94E-97 |
| chr9       | 21560001       | 21565000     | 1.70E-34 |
| chr9       | 21574001       | 21579000     | 0.011088955 |
| chr9       | 21581001       | 21586000     | 2.37E-07 |
| chr9       | 21597001       | 21602000     | 1.11E-06 |
| chr9       | 21618001       | 21623000     | 7.60E-05 |
| chr9       | 21704001       | 21709000     | 3.77E-06 |
| chr9       | 21706001       | 21711000     | 8.28E-06 |
| chr9       | 21707001       | 21712000     | 6.96E-07 |
| chr9       | 21710001       | 21715000     | 1.18E-05 |
| chr9       | 21757001       | 21762000     | 6.34E-05 |
| chr9       | 21765001       | 21770000     | 0.000397436 |
| chr9       | 21766001       | 21771000     | 2.90E-05 |
| chr9       | 21767001       | 21772000     | 0.000911977 |
| chr9       | 21768001       | 21773000     | 1.07E-05 |
| chr9       | 21769001       | 21774000     | 0.000188706 |
| chr9       | 21770001       | 21775000     | 5.94E-06 |
| chr9       | 21781001       | 21786000     | 0.001031363 |
| chr9       | 21783001       | 21788000     | 0.000938059 |
| chr9       | 21801001       | 21806000     | 1.90E-29 |
| chr9       | 21990001       | 21995000     | 6.42E-68 |
| chr9       | 21991001       | 21996000     | 4.13E-71 |
| chr9       | 21992001       | 21997000     | 1.13E-86 |
| chr9       | 21993001       | 21998000     | 2.80E-56 |
| chr9       | 21994001       | 21999000     | 6.12E-28 |
| chr9       | 21995001       | 22000000     | 5.12E-26 |
| chr9       | 21996001       | 22001000     | 2.08E-16 |
| chr9       | 22001001       | 22006000     | 0.000131992 |
| chr9       | 22007001       | 22012000     | 3.54E-41 |
| chr9       | 22008001       | 22013000     | 8.26E-37 |
| chr9       | 22009001       | 22014000     | 5.89E-33 |
| chr9       | 22442001       | 22447000     | 8.98E-18 |
| chr9       | 22443001       | 22448000     | 3.79E-56 |
| chr9       | 22444001       | 22449000     | 5.62E-62 |
| chr9       | 22445001       | 22450000     | 3.23E-62 |
| chr9       | 22447001       | 22452000     | 1.33E-55 |
| chr9       | 22755001       | 22760000     | 1.57E-23 |
| chr9       | 22756001       | 22761000     | 1.39E-16 |
| chr9       | 22757001       | 22762000     | 6.75E-16 |
| chr9       | 22758001       | 22763000     | 5.73E-21 |
| chr9       | 22759001       | 22764000     | 1.19E-15 |
| chr9       | 23455001       | 23460000     | 0.000990958 |
| chr9       | 23457001       | 23462000     | 0.00116928 |
| chr9       | 23483001       | 23488000     | 0.012967221 |
| chr9       | 23850001       | 23855000     | 5.69E-19 |
| chr9       | 23942001       | 23947000     | 0.015017214 |
| chr9       | 24557001       | 24562000     | 0.00927776 |
| chr  | Start    | End      | P-value   |
|------|----------|----------|-----------|
| 9    | 25118001 | 25123000 | 0.001000297 |
| 9    | 25121001 | 25126000 | 4.84E-05  |
| 9    | 25327001 | 25332000 | 0.001460702 |
| 9    | 25433001 | 25438000 | 0.000180787 |
| 9    | 25673001 | 25678000 | 4.42E-30  |
| 9    | 25674001 | 25679000 | 6.09E-38  |
| 9    | 25675001 | 25680000 | 1.75E-55  |
| 9    | 25677001 | 25682000 | 8.85E-37  |
| 9    | 25678001 | 25683000 | 5.95E-55  |
| 9    | 25832001 | 25837000 | 0.002098515 |
| 9    | 25844001 | 25849000 | 2.83E-05  |
| 9    | 25845001 | 25850000 | 5.17E-05  |
| 9    | 25846001 | 25851000 | 4.03E-05  |
| 9    | 26235001 | 26240000 | 0.001367263 |
| 9    | 26367001 | 26372000 | 0.001089432 |
| 9    | 26369001 | 26374000 | 0.000160005 |
| 9    | 26430001 | 26435000 | 0.003361644 |
| 9    | 26434001 | 26439000 | 0.00041338 |
| 9    | 26707001 | 26712000 | 5.91E-05  |
| 9    | 26708001 | 26713000 | 0.001238246 |
| 9    | 26888001 | 26893000 | 9.28E-33  |
| 9    | 26889001 | 26894000 | 3.52E-26  |
| 9    | 26892001 | 26897000 | 3.60E-08  |
| 9    | 27214001 | 27219000 | 0.000115026 |
| 9    | 27215001 | 27220000 | 5.59E-05  |
| 9    | 27216001 | 27221000 | 0.00014167 |
| 9    | 27217001 | 27222000 | 4.93E-07  |
| 9    | 27218001 | 27223000 | 4.66E-05  |
| 9    | 27510001 | 27515000 | 0.004935787 |
| 9    | 27529001 | 27534000 | 1.70E-44  |
| 9    | 27825001 | 27830000 | 0.000242014 |
| 9    | 28124001 | 28129000 | 0.000422346 |
| 9    | 28172001 | 28177000 | 6.59E-05  |
| 9    | 28173001 | 28178000 | 3.56E-05  |
| 9    | 29208001 | 29213000 | 9.30E-33  |
| 9    | 29288001 | 29293000 | 0.015316858 |
| 9    | 29399001 | 29404000 | 0.00660531 |
| 9    | 29400001 | 29405000 | 0.00718887 |
| 9    | 29761001 | 29766000 | 0.006545248 |
| 9    | 29795001 | 29800000 | 3.48E-06  |
| 9    | 30182001 | 30187000 | 5.36E-05  |
| 9    | 30471001 | 30476000 | 0.016599808 |
| 9    | 31020001 | 31025000 | 0.007433209 |
| 9    | 31950001 | 31955000 | 0.003609373 |
| 9    | 32384001 | 32389000 | 1.29E-20  |
| 9    | 32526001 | 32531000 | 2.92E-11  |
| 9    | 32546001 | 32551000 | 9.32E-29  |
| Chromosome | Start | End   | Score  |
|------------|-------|-------|--------|
| chr9       | 32596001 | 32601000 | 1.87E-05 |
| chr9       | 32597001 | 32602000 | 0.000270893 |
| chr9       | 32648001 | 32653000 | 6.54E-06 |
| chr9       | 32649001 | 32654000 | 1.45E-05 |
| chr9       | 32678001 | 32683000 | 3.41E-05 |
| chr9       | 32679001 | 32684000 | 3.09E-05 |
| chr9       | 32776001 | 32781000 | 1.93E-07 |
| chr9       | 32841001 | 32846000 | 8.00E-07 |
| chr9       | 32932001 | 32937000 | 4.99E-06 |
| chr9       | 32997001 | 33002000 | 3.32E-23 |
| chr9       | 32998001 | 33003000 | 6.21E-23 |
| chr9       | 32999001 | 33004000 | 1.21E-16 |
| chr9       | 33000001 | 33005000 | 8.02E-23 |
| chr9       | 33001001 | 33006000 | 1.52E-14 |
| chr9       | 33021001 | 33026000 | 3.13E-20 |
| chr9       | 33040001 | 33045000 | 1.19E-20 |
| chr9       | 33044001 | 33049000 | 6.16E-19 |
| chr9       | 33286001 | 33291000 | 2.17E-22 |
| chr9       | 33290001 | 33295000 | 6.03E-25 |
| chr9       | 33510001 | 33515000 | 1.36E-22 |
| chr9       | 33511001 | 33516000 | 2.90E-15 |
| chr9       | 33672001 | 33677000 | 5.24E-15 |
| chr9       | 33673001 | 33678000 | 5.21E-39 |
| chr9       | 33674001 | 33679000 | 3.98E-44 |
| chr9       | 33675001 | 33680000 | 2.93E-36 |
| chr9       | 33676001 | 33681000 | 4.98E-39 |
| chr9       | 33812001 | 33817000 | 4.41E-17 |
| chr9       | 33813001 | 33818000 | 4.66E-21 |
| chr9       | 33815001 | 33820000 | 1.38E-11 |
| chr9       | 33816001 | 33821000 | 1.39E-32 |
| chr9       | 33817001 | 33822000 | 5.35E-18 |
| chr9       | 34126001 | 34131000 | 1.27E-07 |
| chr9       | 34174001 | 34179000 | 2.78E-08 |
| chr9       | 34175001 | 34180000 | 9.41E-12 |
| chr9       | 34176001 | 34181000 | 3.30E-07 |
| chr9       | 34178001 | 34183000 | 1.20E-20 |
| chr9       | 34179001 | 34184000 | 2.10E-13 |
| chr9       | 34374001 | 34379000 | 1.85E-13 |
| chr9       | 34521001 | 34526000 | 0.000121994 |
| chr9       | 34522001 | 34527000 | 6.11E-09 |
| chr9       | 34523001 | 34528000 | 6.23E-14 |
| chr9       | 34578001 | 34583000 | 1.95E-06 |
| chr9       | 34637001 | 34642000 | 6.23E-12 |
| chr9       | 34697001 | 34702000 | 6.13E-19 |
| chr9       | 34701001 | 34706000 | 1.17E-20 |
| chr9       | 34780001 | 34785000 | 1.61E-08 |
| chr9       | 34861001 | 34866000 | 0.003964341 |
| chr9       | 34923001 | 34928000 | 4.92E-06 |
| Chr  | Start      | End        | p-value   |
|------|------------|------------|-----------|
| chr9 | 34954001   | 34959000   | 1.58E-12  |
| chr9 | 34956001   | 34961000   | 1.58E-13  |
| chr9 | 34957001   | 34962000   | 5.29E-11  |
| chr9 | 34958001   | 34963000   | 5.39E-10  |
| chr9 | 35070001   | 35075000   | 1.79E-23  |
| chr9 | 35071001   | 35076000   | 1.56E-33  |
| chr9 | 35072001   | 35077000   | 3.16E-35  |
| chr9 | 35075001   | 35080000   | 3.64E-15  |
| chr9 | 35094001   | 35099000   | 9.98E-06  |
| chr9 | 35095001   | 35100000   | 3.07E-07  |
| chr9 | 35096001   | 35101000   | 3.07E-08  |
| chr9 | 35098001   | 35103000   | 2.38E-05  |
| chr9 | 35109001   | 35114000   | 1.49E-07  |
| chr9 | 35116001   | 35121000   | 7.70E-12  |
| chr9 | 35643001   | 35648000   | 1.76E-07  |
| chr9 | 35654001   | 35659000   | 7.24E-10  |
| chr9 | 35661001   | 35666000   | 1.57E-07  |
| chr9 | 35662001   | 35667000   | 3.49E-13  |
| chr9 | 35663001   | 35668000   | 1.00E-10  |
| chr9 | 35664001   | 35669000   | 3.45E-12  |
| chr9 | 35665001   | 35670000   | 4.50E-08  |
| chr9 | 35744001   | 35749000   | 1.90E-10  |
| chr9 | 35745001   | 35750000   | 5.58E-21  |
| chr9 | 35746001   | 35751000   | 8.63E-16  |
| chr9 | 35748001   | 35753000   | 3.27E-12  |
| chr9 | 35749001   | 35754000   | 2.17E-22  |
| chr9 | 35753001   | 35758000   | 2.16E-13  |
| chr9 | 35755001   | 35760000   | 1.49E-08  |
| chr9 | 35756001   | 35761000   | 2.02E-15  |
| chr9 | 35757001   | 35762000   | 8.04E-19  |
| chr9 | 35825001   | 35830000   | 9.27E-07  |
| chr9 | 35826001   | 35831000   | 4.89E-08  |
| chr9 | 35827001   | 35832000   | 5.37E-08  |
| chr9 | 35879001   | 35884000   | 5.99E-05  |
| chr9 | 35880001   | 35885000   | 1.08E-07  |
| chr9 | 35881001   | 35886000   | 4.32E-05  |
| chr9 | 36032001   | 36037000   | 9.45E-21  |
| chr9 | 36033001   | 36038000   | 6.98E-36  |
| chr9 | 36034001   | 36039000   | 2.49E-25  |
| chr9 | 36035001   | 36040000   | 4.24E-26  |
| chr9 | 36036001   | 36041000   | 2.33E-17  |
| chr9 | 36037001   | 36042000   | 4.91E-18  |
| chr9 | 36073001   | 36078000   | 0.00949066 |
| chr9 | 36132001   | 36137000   | 2.95E-24  |
| chr9 | 36133001   | 36138000   | 2.96E-15  |
| chr9 | 36134001   | 36139000   | 2.75E-14  |
| chr9 | 36135001   | 36140000   | 3.76E-19  |
| chr9 | 36136001   | 36141000   | 2.31E-20  |
| Chr  | Start       | End         | P-value       |
|------|-------------|-------------|---------------|
| chr9 | 36254001    | 36259000    | 1.04E-17      |
| chr9 | 36255001    | 36260000    | 1.19E-17      |
| chr9 | 36396001    | 36401000    | 2.02E-33      |
| chr9 | 36484001    | 36489000    | 6.36E-26      |
| chr9 | 36487001    | 36492000    | 1.28E-29      |
| chr9 | 36568001    | 36573000    | 1.02E-13      |
| chr9 | 36982001    | 36987000    | 9.24E-07      |
| chr9 | 37080001    | 37085000    | 1.46E-37      |
| chr9 | 37418001    | 37423000    | 3.00E-07      |
| chr9 | 37419001    | 37424000    | 7.32E-05      |
| chr9 | 37420001    | 37425000    | 2.02E-06      |
| chr9 | 37572001    | 37577000    | 1.36E-14      |
| chr9 | 37573001    | 37578000    | 2.07E-30      |
| chr9 | 37574001    | 37579000    | 1.42E-37      |
| chr9 | 37575001    | 37580000    | 1.00E-41      |
| chr9 | 37576001    | 37581000    | 4.88E-42      |
| chr9 | 37588001    | 37593000    | 1.78E-41      |
| chr9 | 37589001    | 37594000    | 3.04E-34      |
| chr9 | 37648001    | 37653000    | 2.68E-14      |
| chr9 | 37649001    | 37654000    | 3.21E-14      |
| chr9 | 37650001    | 37655000    | 1.52E-16      |
| chr9 | 37780001    | 37785000    | 5.56E-12      |
| chr9 | 37801001    | 37806000    | 1.28E-17      |
| chr9 | 38421001    | 38426000    | 5.46E-23      |
| chr9 | 38422001    | 38427000    | 6.33E-27      |
| chr9 | 38423001    | 38428000    | 9.56E-33      |
| chr9 | 38424001    | 38429000    | 1.19E-33      |
| chr9 | 38615001    | 38620000    | 7.77E-15      |
| chr9 | 38616001    | 38621000    | 9.76E-84      |
| chr9 | 38617001    | 38622000    | 1.06E-82      |
| chr9 | 38618001    | 38623000    | 8.65E-63      |
| chr9 | 38619001    | 38624000    | 1.00E-80      |
| chr9 | 38621001    | 38626000    | 1.78E-41      |
| chr9 | 38622001    | 38627000    | 1.03E-21      |
| chr9 | 38775001    | 38780000    | 0.008799835   |
| chr9 | 38792001    | 38797000    | 1.86E-07      |
| chr9 | 38793001    | 38798000    | 8.82E-11      |
| chr9 | 38794001    | 38799000    | 8.46E-10      |
| chr9 | 38795001    | 38800000    | 7.04E-05      |
| chr9 | 38948001    | 38953000    | 0.000106944   |
| chr9 | 38949001    | 38954000    | 0.003108785   |
| chr9 | 39024001    | 39029000    | 1.30E-05      |
| chr9 | 39025001    | 39030000    | 4.25E-05      |
| chr9 | 39741001    | 39746000    | 0.000543342   |
| chr9 | 40626001    | 40631000    | 0.000311193   |
| chr9 | 40787001    | 40792000    | 7.97E-39      |
| chr9 | 40788001    | 40793000    | 3.26E-32      |
| chr9 | 40789001    | 40794000    | 2.71E-32      |
| Chromosome | Start | End   | p-value    |
|------------|-------|-------|------------|
| chr9       | 41952001 | 41957000 | 1.90E-47   |
| chr9       | 41953001 | 41958000 | 5.10E-60   |
| chr9       | 41954001 | 41959000 | 2.73E-66   |
| chr9       | 42341001 | 42346000 | 1.39E-07   |
| chr9       | 42367001 | 42372000 | 2.79E-12   |
| chr9       | 43129001 | 43134000 | 1.07E-36   |
| chr9       | 43130001 | 43135000 | 5.77E-16   |
| chr9       | 43131001 | 43136000 | 1.55E-11   |
| chr9       | 43132001 | 43137000 | 3.16E-13   |
| chr9       | 43438001 | 43443000 | 0.00363266 |
| chr9       | 43473001 | 43478000 | 2.92E-06   |
| chr9       | 43474001 | 43479000 | 4.34E-07   |
| chr9       | 43475001 | 43480000 | 3.30E-07   |
| chr9       | 43476001 | 43481000 | 0.001218349|
| chr9       | 43560001 | 43565000 | 0.000997988|
| chr9       | 43561001 | 43566000 | 0.003249626|
| chr9       | 43562001 | 43567000 | 0.00647671 |
| chr9       | 43577001 | 43582000 | 0.000699723|
| chr9       | 43578001 | 43583000 | 4.02E-09   |
| chr9       | 43579001 | 43584000 | 7.27E-09   |
| chr9       | 43580001 | 43585000 | 9.23E-09   |
| chr9       | 43581001 | 43586000 | 4.59E-08   |
| chr9       | 43582001 | 43587000 | 7.36E-08   |
| chr9       | 43635001 | 43640000 | 3.32E-05   |
| chr9       | 43636001 | 43641000 | 4.33E-06   |
| chr9       | 43637001 | 43642000 | 5.96E-05   |
| chr9       | 43638001 | 43643000 | 0.00108569 |
| chr9       | 43762001 | 43767000 | 0.000169284|
| chr9       | 43765001 | 43770000 | 1.29E-05   |
| chr9       | 43766001 | 43771000 | 1.29E-05   |
| chr9       | 43768001 | 43773000 | 0.003231199|
| chr9       | 43769001 | 43774000 | 0.00048327 |
| chr9       | 43884001 | 43889000 | 0.00088381 |
| chr9       | 44071001 | 44076000 | 4.63E-06   |
| chr9       | 44072001 | 44077000 | 5.66E-08   |
| chr9       | 44084001 | 44089000 | 0.003430727|
| chr9       | 44168001 | 44173000 | 2.93E-06   |
| chr9       | 44169001 | 44174000 | 1.00E-05   |
| chr9       | 44203001 | 44208000 | 3.91E-06   |
| chr9       | 44204001 | 44209000 | 5.07E-07   |
| chr9       | 44205001 | 44210000 | 3.96E-06   |
| chr9       | 44207001 | 44212000 | 2.82E-06   |
| chr9       | 44226001 | 44231000 | 7.13E-10   |
| chr9       | 44234001 | 44239000 | 0.000136032|
| chr9       | 44399001 | 44404000 | 2.07E-10   |
| chr9       | 44400001 | 44405000 | 1.74E-12   |
| chr9       | 44401001 | 44406000 | 1.74E-12   |
| chr9       | 44415001 | 44420000 | 6.99E-16   |
| Chromosome | Start Position | End Position | P-value   |
|------------|----------------|--------------|-----------|
| chr9       | 44420001       | 44425000     | 3.42E-12  |
| chr9       | 44488001       | 44489300     | 2.19E-07  |
| chr9       | 44489001       | 44494000     | 4.31E-10  |
| chr9       | 44490001       | 44495000     | 1.94E-14  |
| chr9       | 44491001       | 44489600     | 2.14E-10  |
| chr9       | 44889300       | 44898000     | 0.00498722|
| chr9       | 44894001       | 44899000     | 0.00999385|
| chr9       | 44902001       | 44907000     | 1.56E-05  |
| chr9       | 45645001       | 45650000     | 0.01123219|
| chr9       | 45646001       | 45651000     | 0.00484883|
| chr9       | 45722001       | 45727000     | 3.78E-12  |
| chr9       | 46019001       | 46024000     | 0.00354584|
| chr9       | 46101001       | 46106000     | 0.00258750|
| chr9       | 46102001       | 46107000     | 0.00427111|
| chr9       | 46122001       | 46127000     | 0.00061998|
| chr9       | 46301001       | 46306000     | 0.03560161|
| chr9       | 65558001       | 65563000     | 0.00380591|
| chr9       | 66670001       | 66675000     | 0.00788863|
| chr9       | 66677001       | 66682000     | 1.53E-06  |
| chr9       | 66678001       | 66683000     | 2.56E-05  |
| chr9       | 66679001       | 66684000     | 2.54E-05  |
| chr9       | 66702001       | 66707000     | 0.00358104|
| chr9       | 66703001       | 66708000     | 0.00292064|
| chr9       | 66979001       | 66984000     | 0.00062622|
| chr9       | 66980001       | 66985000     | 0.00062622|
| chr9       | 66981001       | 66986000     | 0.00095192|
| chr9       | 67923001       | 67928000     | 4.09E-05  |
| chr9       | 68225001       | 68230000     | 2.23E-08  |
| chr9       | 68226001       | 68231000     | 5.60E-10  |
| chr9       | 68306001       | 68311000     | 0.00018248|
| chr9       | 68308001       | 68313000     | 4.17E-06  |
| chr9       | 68324001       | 68329000     | 3.36E-07  |
| chr9       | 68661001       | 68666000     | 0.00822002|
| chr9       | 68790001       | 68795000     | 6.51E-06  |
| chr9       | 68796001       | 68801000     | 0.00038028|
| chr9       | 68805001       | 68810000     | 4.02E-09  |
| chr9       | 68806001       | 68811000     | 5.33E-10  |
| chr9       | 68807001       | 68812000     | 8.83E-13  |
| chr9       | 69122001       | 69127000     | 0.00915964|
| chr9       | 69148001       | 69153000     | 1.42E-07  |
| chr9       | 69377001       | 69382000     | 6.34E-15  |
| chr9       | 69378001       | 69383000     | 6.13E-17  |
| chr9       | 69379001       | 69384000     | 2.23E-19  |
| chr9       | 69380001       | 69385000     | 8.12E-14  |
| chr9       | 69381001       | 69386000     | 0.00012668|
| chr9       | 69505001       | 69510000     | 0.00046377|
| chr9       | 69506001       | 69511000     | 9.20E-05  |
| chr9       | 69648001       | 69653000     | 6.02E-05  |
| Chr  | Start  | End    | Score   |
|------|--------|--------|---------|
| chr9 | 69652001 | 69657000 | 3.52E-05 |
| chr9 | 70685001 | 70690000 | 3.73E-05 |
| chr9 | 70686001 | 70691000 | 2.14E-05 |
| chr9 | 70687001 | 70692000 | 2.14E-05 |
| chr9 | 70967001 | 70972000 | 2.06E-23 |
| chr9 | 70972001 | 70977000 | 0.000136547 |
| chr9 | 71071001 | 71076000 | 0.003030779 |
| chr9 | 71072001 | 71077000 | 0.008136225 |
| chr9 | 71120001 | 71125000 | 6.25E-05 |
| chr9 | 71316001 | 71321000 | 2.55E-22 |
| chr9 | 71320001 | 71325000 | 1.86E-29 |
| chr9 | 71321001 | 71326000 | 1.42E-18 |
| chr9 | 71322001 | 71327000 | 3.22E-06 |
| chr9 | 71390001 | 71395000 | 6.21E-42 |
| chr9 | 71391001 | 71396000 | 1.11E-48 |
| chr9 | 71392001 | 71397000 | 7.77E-40 |
| chr9 | 71393001 | 71398000 | 4.05E-39 |
| chr9 | 71394001 | 71399000 | 1.92E-44 |
| chr9 | 71395001 | 71400000 | 6.59E-44 |
| chr9 | 71461001 | 71466000 | 0.000174135 |
| chr9 | 71522001 | 71527000 | 0.000288715 |
| chr9 | 71646001 | 71651000 | 4.65E-12 |
| chr9 | 71648001 | 71653000 | 1.30E-13 |
| chr9 | 71649001 | 71654000 | 5.31E-12 |
| chr9 | 71650001 | 71655000 | 1.11E-18 |
| chr9 | 71785001 | 71790000 | 2.77E-27 |
| chr9 | 71786001 | 71791000 | 5.43E-23 |
| chr9 | 71787001 | 71792000 | 3.44E-14 |
| chr9 | 71788001 | 71793000 | 3.56E-13 |
| chr9 | 71935001 | 71940000 | 4.89E-25 |
| chr9 | 72239001 | 72244000 | 0.000996903 |
| chr9 | 72283001 | 72288000 | 8.71E-45 |
| chr9 | 72284001 | 72289000 | 1.55E-42 |
| chr9 | 72287001 | 72292000 | 2.29E-32 |
| chr9 | 72445001 | 72450000 | 5.50E-05 |
| chr9 | 72499001 | 72504000 | 5.25E-05 |
| chr9 | 72518001 | 72523000 | 0.002083944 |
| chr9 | 73030001 | 73035000 | 1.17E-30 |
| chr9 | 73156001 | 73161000 | 8.64E-08 |
| chr9 | 73159001 | 73164000 | 6.63E-05 |
| chr9 | 73258001 | 73263000 | 4.64E-07 |
| chr9 | 73259001 | 73264000 | 8.64E-06 |
| chr9 | 73277001 | 73282000 | 6.65E-07 |
| chr9 | 73285001 | 73290000 | 2.50E-05 |
| chr9 | 73287001 | 73292000 | 5.18E-05 |
| Chromosome | Start | End | P-value |
|------------|-------|-----|---------|
| chr9       | 73288001 | 73293000 | 4.55E-07 |
| chr9       | 73290001 | 73295000 | 8.31E-07 |
| chr9       | 73457001 | 73462000 | 0.000572403 |
| chr9       | 73458001 | 73463000 | 0.000120187 |
| chr9       | 73467001 | 73472000 | 2.18E-05 |
| chr9       | 73468001 | 73473000 | 3.52E-07 |
| chr9       | 73469001 | 73474000 | 7.41E-08 |
| chr9       | 73470001 | 73475000 | 8.92E-07 |
| chr9       | 73471001 | 73476000 | 7.02E-06 |
| chr9       | 73514001 | 73519000 | 1.76E-05 |
| chr9       | 73515001 | 73520000 | 1.65E-06 |
| chr9       | 73516001 | 73521000 | 3.62E-06 |
| chr9       | 73517001 | 73522000 | 8.63E-09 |
| chr9       | 73537001 | 73542000 | 2.05E-05 |
| chr9       | 73538001 | 73543000 | 2.87E-05 |
| chr9       | 73541001 | 73546000 | 0.000252748 |
| chr9       | 73557001 | 73562000 | 0.021269933 |
| chr9       | 73562001 | 73567000 | 0.003238382 |
| chr9       | 73642001 | 73647000 | 0.000895287 |
| chr9       | 73653001 | 73658000 | 0.000389946 |
| chr9       | 73654001 | 73659000 | 0.000235649 |
| chr9       | 73671001 | 73676000 | 1.65E-05 |
| chr9       | 73672001 | 73677000 | 5.84E-07 |
| chr9       | 73764001 | 73769000 | 1.68E-06 |
| chr9       | 73789001 | 73794000 | 1.38E-05 |
| chr9       | 73800001 | 73805000 | 0.006333031 |
| chr9       | 73838001 | 73843000 | 2.48E-06 |
| chr9       | 73839001 | 73844000 | 6.05E-05 |
| chr9       | 73937001 | 73942000 | 1.55E-09 |
| chr9       | 73938001 | 73943000 | 2.12E-08 |
| chr9       | 73949001 | 73954000 | 4.21E-06 |
| chr9       | 73950001 | 73955000 | 1.42E-05 |
| chr9       | 73951001 | 73956000 | 2.05E-06 |
| chr9       | 73990001 | 73995000 | 4.02E-05 |
| chr9       | 74008001 | 74013000 | 4.09E-05 |
| chr9       | 74009001 | 74014000 | 7.54E-05 |
| chr9       | 74010001 | 74015000 | 2.89E-06 |
| chr9       | 74013001 | 74018000 | 1.29E-07 |
| chr9       | 74068001 | 74073000 | 0.001091306 |
| chr9       | 74193001 | 74198000 | 6.23E-05 |
| chr9       | 74250001 | 74255000 | 0.001927594 |
| chr9       | 74379001 | 74384000 | 9.46E-09 |
| chr9       | 74381001 | 74386000 | 1.78E-13 |
| chr9       | 74382001 | 74387000 | 5.46E-14 |
| chr9       | 74383001 | 74388000 | 4.65E-15 |
| chr9       | 74384001 | 74389000 | 1.25E-12 |
| chr9       | 74760001 | 74765000 | 5.63E-08 |
| chr9       | 74762001 | 74767000 | 1.20E-13 |
| chr  | Start Base | End Base | Score  |
|------|------------|----------|--------|
| chr9 | 74763001   | 74768000 | 1.43E-15 |
| chr9 | 74764001   | 74769000 | 2.49E-16 |
| chr9 | 74926001   | 74931000 | 1.50E-09 |
| chr9 | 74927001   | 74932000 | 1.97E-06 |
| chr9 | 74928001   | 74933000 | 0.00192782 |
| chr9 | 74979001   | 74984000 | 0.000120387 |
| chr9 | 75263001   | 75268000 | 0.0003247667 |
| chr9 | 75541001   | 75546000 | 0.00001926039 |
| chr9 | 75543001   | 75548000 | 0.00001926039 |
| chr9 | 75611001   | 75616000 | 2.21E-06 |
| chr9 | 75612001   | 75617000 | 1.79E-07 |
| chr9 | 75852001   | 75857000 | 0.000680935 |
| chr9 | 75992001   | 75997000 | 1.67E-06 |
| chr9 | 75993001   | 75998000 | 2.23E-06 |
| chr9 | 76002001   | 76007000 | 2.04E-08 |
| chr9 | 76003001   | 76008000 | 8.78E-06 |
| chr9 | 76072001   | 76077000 | 7.34E-09 |
| chr9 | 76101001   | 76106000 | 0.00028169 |
| chr9 | 76102001   | 76107000 | 0.000248694 |
| chr9 | 76140001   | 76145000 | 0.00074418 |
| chr9 | 76337001   | 76342000 | 1.67E-05 |
| chr9 | 76359001   | 76364000 | 6.87E-05 |
| chr9 | 76360001   | 76365000 | 0.000338002 |
| chr9 | 76370001   | 76375000 | 2.10E-05 |
| chr9 | 76393001   | 76398000 | 3.27E-07 |
| chr9 | 76410001   | 76415000 | 0.001411152 |
| chr9 | 76411001   | 76416000 | 0.003247667 |
| chr9 | 76412001   | 76417000 | 0.00131055 |
| chr9 | 76413001   | 76418000 | 0.000197103 |
| chr9 | 76414001   | 76419000 | 0.001926039 |
| chr9 | 76447001   | 76452000 | 9.63E-07 |
| chr9 | 76448001   | 76453000 | 6.90E-07 |
| chr9 | 76449001   | 76454000 | 3.50E-06 |
| chr9 | 76515001   | 76520000 | 0.000942481 |
| chr9 | 76520001   | 76525000 | 0.00120387 |
| chr9 | 76521001   | 76526000 | 1.19E-05 |
| chr9 | 76522001   | 76527000 | 5.44E-05 |
| chr9 | 76681001   | 76686000 | 2.48E-06 |
| chr9 | 76820001   | 76825000 | 2.80E-07 |
| chr9 | 76821001   | 76826000 | 2.18E-08 |
| chr9 | 76822001   | 76827000 | 1.63E-08 |
| chr9 | 76823001   | 76828000 | 4.31E-08 |
| chr9 | 76830001   | 76835000 | 0.000120387 |
| chr9 | 76831001   | 76836000 | 6.83E-05 |
| chr9 | 76835001   | 76840000 | 7.00E-06 |
| chr9 | 76837001   | 76842000 | 5.28E-06 |
| chr9 | 76860001   | 76865000 | 0.02136852 |
| Chr | Start Position | End Position | p-value |
|-----|----------------|--------------|---------|
| chr9 | 76861001 | 76866000 | 0.013269864 |
| chr9 | 76862001 | 76867000 | 0.022702129 |
| chr9 | 76863001 | 76868000 | 0.024411221 |
| chr9 | 76871001 | 76876000 | 0.00041706 |
| chr9 | 76872001 | 76877000 | 0.000230564 |
| chr9 | 76873001 | 76878000 | 0.002265047 |
| chr9 | 76875001 | 76880000 | 6.14E-09 |
| chr9 | 76876001 | 76881000 | 1.21E-08 |
| chr9 | 76976001 | 76981000 | 0.000949452 |
| chr9 | 77061001 | 77066000 | 5.00E-06 |
| chr9 | 77092001 | 77097000 | 0.000807295 |
| chr9 | 77093001 | 77098000 | 2.73E-06 |
| chr9 | 77094001 | 77099000 | 7.42E-05 |
| chr9 | 77095001 | 77100000 | 0.000369152 |
| chr9 | 77097001 | 77102000 | 5.06E-05 |
| chr9 | 77104001 | 77109000 | 0.000494939 |
| chr9 | 77105001 | 77110000 | 0.000585827 |
| chr9 | 77106001 | 77111000 | 0.000295668 |
| chr9 | 77107001 | 77112000 | 7.24E-21 |
| chr9 | 77108001 | 77113000 | 1.96E-34 |
| chr9 | 77113001 | 77118000 | 6.57E-30 |
| chr9 | 77114001 | 77119000 | 2.33E-19 |
| chr9 | 77116001 | 77121000 | 0.001100215 |
| chr9 | 77117001 | 77122000 | 0.005705497 |
| chr9 | 77165001 | 77170000 | 4.94E-06 |
| chr9 | 77166001 | 77171000 | 2.22E-07 |
| chr9 | 77203001 | 77208000 | 4.67E-05 |
| chr9 | 77244001 | 77249000 | 2.21E-05 |
| chr9 | 77245001 | 77250000 | 2.33E-05 |
| chr9 | 77329001 | 77334000 | 3.33E-06 |
| chr9 | 77330001 | 77335000 | 1.82E-05 |
| chr9 | 77331001 | 77336000 | 7.39E-07 |
| chr9 | 77332001 | 77337000 | 0.000283775 |
| chr9 | 77362001 | 77367000 | 4.54E-08 |
| chr9 | 77498001 | 77503000 | 1.75E-25 |
| chr9 | 77499001 | 77504000 | 1.35E-36 |
| chr9 | 77500001 | 77505000 | 1.15E-33 |
| chr9 | 77501001 | 77506000 | 1.48E-37 |
| chr9 | 77502001 | 77507000 | 1.41E-27 |
| chr9 | 77563001 | 77568000 | 3.46E-41 |
| chr9 | 77564001 | 77569000 | 1.76E-49 |
| chr9 | 77565001 | 77570000 | 6.39E-57 |
| chr9 | 77567001 | 77572000 | 7.98E-57 |
| chr9 | 77638001 | 77643000 | 6.92E-61 |
| chr9 | 77639001 | 77644000 | 3.68E-62 |
| chr9 | 77643001 | 77648000 | 3.77E-15 |
| chr9 | 77832001 | 77837000 | 9.13E-08 |
| Chromosome | Start | End | P-value |
|------------|-------|-----|---------|
| chr9       | 7783001 | 7783000 | 7.71E-12 |
| chr9       | 77834001 | 77839000 | 1.29E-09 |
| chr9       | 77835001 | 77840000 | 0.000740929 |
| chr9       | 77845001 | 77850000 | 1.08E-10 |
| chr9       | 77862001 | 77867000 | 4.70E-06 |
| chr9       | 77863001 | 77868000 | 9.61E-09 |
| chr9       | 77864001 | 77869000 | 3.71E-12 |
| chr9       | 77865001 | 77870000 | 2.74E-14 |
| chr9       | 77866001 | 77871000 | 2.79E-09 |
| chr9       | 77897001 | 77902000 | 0.001966496 |
| chr9       | 77919001 | 77924000 | 1.35E-05 |
| chr9       | 77920001 | 77925000 | 3.77E-06 |
| chr9       | 77921001 | 77926000 | 0.000107643 |
| chr9       | 77929001 | 77934000 | 0.000501765 |
| chr9       | 77941001 | 77946000 | 0.000120807 |
| chr9       | 77992001 | 77997000 | 0.014868207 |
| chr9       | 77993001 | 77998000 | 0.002728821 |
| chr9       | 78010001 | 78015000 | 0.006230968 |
| chr9       | 78011001 | 78016000 | 1.70E-06 |
| chr9       | 78019001 | 78024000 | 0.000434178 |
| chr9       | 78052001 | 78057000 | 3.15E-10 |
| chr9       | 78053001 | 78058000 | 8.06E-15 |
| chr9       | 78082001 | 78087000 | 2.52E-08 |
| chr9       | 78104001 | 78109000 | 0.005122685 |
| chr9       | 78122001 | 78127000 | 4.42E-06 |
| chr9       | 78123001 | 78128000 | 1.00E-05 |
| chr9       | 78134001 | 78139000 | 5.15E-10 |
| chr9       | 78137001 | 78142000 | 2.42E-08 |
| chr9       | 78155001 | 78160000 | 5.39E-05 |
| chr9       | 78156001 | 78161000 | 9.22E-05 |
| chr9       | 78230001 | 78235000 | 0.000127341 |
| chr9       | 78334001 | 78339000 | 0.000827572 |
| chr9       | 78348001 | 78353000 | 0.000156298 |
| chr9       | 78349001 | 78354000 | 2.06E-05 |
| chr9       | 78350001 | 78355000 | 5.87E-05 |
| chr9       | 78351001 | 78356000 | 0.000291321 |
| chr9       | 78356001 | 78361000 | 1.16E-08 |
| chr9       | 78357001 | 78362000 | 1.91E-08 |
| chr9       | 78358001 | 78363000 | 3.68E-07 |
| chr9       | 78453001 | 78458000 | 9.96E-05 |
| chr9       | 78507001 | 78512000 | 4.57E-30 |
| chr9       | 78551001 | 78556000 | 1.40E-06 |
| chr9       | 78604001 | 78609000 | 4.51E-10 |
| chr9       | 78687001 | 78692000 | 0.000111482 |
| chr9       | 78688001 | 78693000 | 0.000147673 |
| chr9       | 79074001 | 79079000 | 4.30E-28 |
| chr9       | 79788001 | 79793000 | 7.75E-31 |
| chr9       | 79789001 | 79794000 | 2.55E-26 |
| Chr | Start | End   | P-value |
|-----|-------|-------|---------|
| chr9 | 79792001 | 79797000 | 9.41E-39 |
| chr9 | 80258001 | 80263000 | 9.57E-21 |
| chr9 | 80259001 | 80264000 | 3.77E-14 |
| chr9 | 80308001 | 80313000 | 0.003446746 |
| chr9 | 80767001 | 80772000 | 5.75E-07 |
| chr9 | 80768001 | 80773000 | 3.90E-06 |
| chr9 | 80812001 | 80817000 | 6.24E-06 |
| chr9 | 80907001 | 80912000 | 8.87E-20 |
| chr9 | 80908001 | 80913000 | 5.52E-30 |
| chr9 | 81972001 | 81977000 | 4.54E-05 |
| chr9 | 81973001 | 81978000 | 1.08E-07 |
| chr9 | 81974001 | 81979000 | 2.47E-06 |
| chr9 | 82187001 | 82192000 | 8.90E-43 |
| chr9 | 82188001 | 82193000 | 5.66E-38 |
| chr9 | 82498001 | 82503000 | 1.22E-05 |
| chr9 | 82733001 | 82738000 | 1.77E-10 |
| chr9 | 82734001 | 82739000 | 2.52E-08 |
| chr9 | 82919001 | 82924000 | 0.006284002 |
| chr9 | 82920001 | 82925000 | 0.001398365 |
| chr9 | 83043001 | 83048000 | 0.002210706 |
| chr9 | 83058001 | 83063000 | 0.001985336 |
| chr9 | 83059001 | 83064000 | 0.002296164 |
| chr9 | 83068001 | 83073000 | 0.000605538 |
| chr9 | 83198001 | 83203000 | 0.012025967 |
| chr9 | 83200001 | 83205000 | 0.001485793 |
| chr9 | 83304001 | 83309000 | 0.000896618 |
| chr9 | 83306001 | 83311000 | 0.0002249599 |
| chr9 | 83526001 | 83531000 | 0.000429677 |
| chr9 | 83527001 | 83532000 | 2.80E-05 |
| chr9 | 83550001 | 83555000 | 0.000341809 |
| chr9 | 83551001 | 83556000 | 0.000544109 |
| chr9 | 83552001 | 83557000 | 0.0003034837 |
| chr9 | 84059001 | 84064000 | 1.72E-05 |
| chr9 | 84060001 | 84065000 | 1.30E-06 |
| chr9 | 84061001 | 84066000 | 2.15E-06 |
| chr9 | 84062001 | 84067000 | 4.66E-06 |
| chr9 | 85722001 | 85727000 | 0.014829798 |
| chr9 | 85902001 | 85907000 | 0.00016134 |
| chr9 | 86238001 | 86243000 | 2.15E-08 |
| chr9 | 86428001 | 86433000 | 3.47E-13 |
| chr9 | 86675001 | 86680000 | 0.000065023 |
| chr9 | 87073001 | 87078000 | 6.72E-07 |
| chr9 | 87188001 | 87193000 | 1.51E-06 |
| chr9 | 87207001 | 87212000 | 1.50E-05 |
| Chromosome | Position Start | Position End | p-value |
|------------|----------------|--------------|---------|
| chr9       | 87210001       | 87215000     | 9.85E-08 |
| chr9       | 87247001       | 87252000     | 1.23E-10 |
| chr9       | 87248001       | 87253000     | 8.28E-10 |
| chr9       | 87249001       | 87254000     | 1.04E-13 |
| chr9       | 87250001       | 87255000     | 6.30E-12 |
| chr9       | 87251001       | 87256000     | 6.31E-14 |
| chr9       | 87252001       | 87257000     | 7.51E-05 |
| chr9       | 87645001       | 87650000     | 0.006963639 |
| chr9       | 87646001       | 87651000     | 0.010329606 |
| chr9       | 87723001       | 87728000     | 1.16E-06 |
| chr9       | 87782001       | 87787000     | 0.00377829 |
| chr9       | 87783001       | 87788000     | 3.99E-06 |
| chr9       | 87818001       | 87823000     | 5.60E-08 |
| chr9       | 87819001       | 87824000     | 1.26E-07 |
| chr9       | 87820001       | 87825000     | 1.79E-07 |
| chr9       | 87821001       | 87826000     | 1.85E-05 |
| chr9       | 87885001       | 87890000     | 1.80E-06 |
| chr9       | 87886001       | 87891000     | 5.53E-06 |
| chr9       | 87937001       | 87942000     | 8.11E-06 |
| chr9       | 87940001       | 87945000     | 5.43E-05 |
| chr9       | 87973001       | 87978000     | 1.31E-05 |
| chr9       | 87974001       | 87979000     | 5.86E-05 |
| chr9       | 87992001       | 87997000     | 5.32E-05 |
| chr9       | 88352001       | 88357000     | 4.08E-39 |
| chr9       | 88353001       | 88358000     | 2.49E-27 |
| chr9       | 88551001       | 88556000     | 4.75E-16 |
| chr9       | 88552001       | 88557000     | 5.13E-43 |
| chr9       | 88553001       | 88558000     | 6.73E-51 |
| chr9       | 88714001       | 88719000     | 1.39E-31 |
| chr9       | 88893001       | 88898000     | 6.71E-31 |
| chr9       | 88968001       | 88973000     | 1.71E-34 |
| chr9       | 88969001       | 88974000     | 2.45E-41 |
| chr9       | 88988001       | 88993000     | 9.26E-05 |
| chr9       | 88989001       | 88994000     | 5.73E-05 |
| chr9       | 89087001       | 89092000     | 3.95E-08 |
| chr9       | 89132001       | 89137000     | 8.00E-16 |
| chr9       | 89133001       | 89138000     | 2.46E-17 |
| chr9       | 89134001       | 89139000     | 1.70E-18 |
| chr9       | 89135001       | 89140000     | 1.78E-06 |
| chr9       | 89142001       | 89147000     | 3.91E-08 |
| chr9       | 89143001       | 89148000     | 1.51E-08 |
| chr9       | 89144001       | 89149000     | 1.55E-10 |
| chr9       | 89177001       | 89182000     | 1.27E-07 |
| chr9       | 89180001       | 89185000     | 1.38E-05 |
| chr9       | 89196001       | 89201000     | 1.12E-12 |
| chr9       | 89197001       | 89202000     | 1.11E-12 |
| chr9       | 89211001       | 89216000     | 3.75E-08 |
| chr9       | 89213001       | 89218000     | 4.71E-06 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr9       | 89214001       | 89219000     | 2.96E-05 |
| chr9       | 89219001       | 89224000     | 1.52E-06 |
| chr9       | 89232001       | 89237000     | 2.60E-06 |
| chr9       | 89240001       | 89245000     | 2.97E-10 |
| chr9       | 89241001       | 89246000     | 5.58E-10 |
| chr9       | 89259001       | 89264000     | 2.58E-15 |
| chr9       | 89260001       | 89265000     | 1.34E-17 |
| chr9       | 89261001       | 89266000     | 2.96E-12 |
| chr9       | 89262001       | 89267000     | 6.14E-10 |
| chr9       | 89263001       | 89268000     | 7.57E-10 |
| chr9       | 89312001       | 89317000     | 9.14E-07 |
| chr9       | 89348001       | 89353000     | 1.31E-09 |
| chr9       | 89349001       | 89354000     | 2.15E-11 |
| chr9       | 89350001       | 89355000     | 1.16E-12 |
| chr9       | 89351001       | 89356000     | 1.85E-11 |
| chr9       | 89352001       | 89357000     | 6.99E-14 |
| chr9       | 89353001       | 89358000     | 6.88E-10 |
| chr9       | 89373001       | 89378000     | 1.59E-07 |
| chr9       | 89418001       | 89423000     | 4.21E-09 |
| chr9       | 89419001       | 89424000     | 3.12E-13 |
| chr9       | 89459001       | 89464000     | 3.46E-10 |
| chr9       | 89460001       | 89465000     | 2.76E-08 |
| chr9       | 89461001       | 89466000     | 4.68E-10 |
| chr9       | 89462001       | 89467000     | 3.29E-09 |
| chr9       | 89502001       | 89507000     | 0.000681418 |
| chr9       | 89540001       | 89545000     | 1.32E-09 |
| chr9       | 89541001       | 89546000     | 7.90E-07 |
| chr9       | 89590001       | 89595000     | 3.24E-06 |
| chr9       | 89592001       | 89597000     | 1.09E-07 |
| chr9       | 89593001       | 89598000     | 1.96E-09 |
| chr9       | 89604001       | 89609000     | 0.006404694 |
| chr9       | 89702001       | 89707000     | 2.34E-07 |
| chr9       | 89703001       | 89708000     | 1.04E-09 |
| chr9       | 89704001       | 89709000     | 2.69E-07 |
| chr9       | 89705001       | 89710000     | 5.22E-08 |
| chr9       | 89725001       | 89730000     | 0.000559279 |
| chr9       | 89726001       | 89731000     | 7.23E-09 |
| chr9       | 89727001       | 89732000     | 8.49E-08 |
| chr9       | 89755001       | 89760000     | 8.49E-25 |
| chr9       | 89756001       | 89761000     | 3.17E-15 |
| chr9       | 89757001       | 89762000     | 3.44E-27 |
| chr9       | 89765001       | 89770000     | 3.80E-15 |
| chr9       | 89766001       | 89771000     | 1.63E-09 |
| chr9       | 89767001       | 89772000     | 9.73E-15 |
| chr9       | 89768001       | 89773000     | 1.22E-05 |
| chr9       | 89775001       | 89780000     | 1.83E-07 |
| chr9       | 89776001       | 89781000     | 0.002016483 |
| chr9       | 89810001       | 89815000     | 8.28E-11 |
| Chromosome | Start | End   | Score   |
|------------|-------|-------|---------|
| chr9       | 89811001 | 89816000 | 1.97E-15 |
| chr9       | 89812001 | 89817000 | 6.50E-12  |
| chr9       | 89818001 | 89823000 | 2.88E-05  |
| chr9       | 89834001 | 89839000 | 2.42E-09  |
| chr9       | 89835001 | 89840000 | 8.62E-09  |
| chr9       | 89867001 | 89872000 | 1.49E-06  |
| chr9       | 89902001 | 89907000 | 1.49E-06  |
| chr9       | 89903001 | 89908000 | 6.03E-08  |
| chr9       | 89904001 | 89909000 | 7.40E-08  |
| chr9       | 89905001 | 89910000 | 1.71E-05  |
| chr9       | 89914001 | 89919000 | 2.65E-05  |
| chr9       | 89976001 | 89981000 | 9.48E-06  |
| chr9       | 89979001 | 89984000 | 2.49E-06  |
| chr9       | 90108001 | 90113000 | 7.69E-35  |
| chr9       | 90109001 | 90114000 | 8.85E-69  |
| chr9       | 90110001 | 90115000 | 2.12E-55  |
| chr9       | 90111001 | 90116000 | 1.32E-53  |
| chr9       | 90337001 | 90342000 | 8.62E-23  |
| chr9       | 90338001 | 90343000 | 2.72E-25  |
| chr9       | 90339001 | 90344000 | 1.29E-32  |
| chr9       | 90340001 | 90345000 | 3.49E-26  |
| chr9       | 90341001 | 90346000 | 7.27E-32  |
| chr9       | 90354001 | 90359000 | 0.000206216 |
| chr9       | 90542001 | 90547000 | 1.12E-05  |
| chr9       | 90589001 | 90594000 | 1.54E-12  |
| chr9       | 90687001 | 90692000 | 3.14E-10  |
| chr9       | 90690001 | 90695000 | 1.49E-08  |
| chr9       | 90691001 | 90696000 | 1.24E-09  |
| chr9       | 90737001 | 90742000 | 0.0065829 |
| chr9       | 90811001 | 90816000 | 6.41E-06  |
| chr9       | 90812001 | 90817000 | 1.80E-05  |
| chr9       | 91144001 | 91149000 | 1.21E-11  |
| chr9       | 91145001 | 91150000 | 5.74E-14  |
| chr9       | 91146001 | 91151000 | 2.35E-14  |
| chr9       | 91147001 | 91152000 | 2.82E-08  |
| chr9       | 91322001 | 91327000 | 5.88E-06  |
| chr9       | 91452001 | 91457000 | 0.000322081 |
| chr9       | 91453001 | 91458000 | 0.000163307 |
| chr9       | 91454001 | 91459000 | 0.000325666 |
| chr9       | 91593001 | 91598000 | 3.15E-05  |
| chr9       | 91600001 | 91605000 | 2.94E-09  |
| chr9       | 91644001 | 91649000 | 3.18E-07  |
| chr9       | 91695001 | 91700000 | 3.44E-06  |
| chr9       | 91704001 | 91709000 | 4.11E-06  |
| chr9       | 91738001 | 91743000 | 8.97E-05  |
| chr9       | 91739001 | 91744000 | 2.08E-13  |
| chr9       | 91761001 | 91766000 | 9.03E-09  |
| chr9       | 91762001 | 91767000 | 2.72E-10  |
| Chr | Start | End   | Value   |
|-----|-------|-------|---------|
| chr9| 91764001 | 91769000 | 9.35E-12 |
| chr9| 91806001 | 91811000 | 0.009495258 |
| chr9| 91880001 | 91885000 | 9.68E-07 |
| chr9| 91905001 | 91910000 | 0.000928863 |
| chr9| 91921001 | 91926000 | 5.45E-30 |
| chr9| 92112001 | 92117000 | 4.55E-08 |
| chr9| 92914001 | 92919000 | 0.008583784 |
| chr9| 93168001 | 93173000 | 0.001932649 |
| chr9| 93405001 | 93410000 | 6.59E-32 |
| chr9| 93984001 | 93989000 | 1.41E-18 |
| chr9| 93985001 | 93990000 | 1.10E-18 |
| chr9| 93986001 | 93991000 | 2.76E-14 |
| chr9| 94119001 | 94124000 | 2.60E-18 |
| chr9| 94120001 | 94125000 | 3.60E-30 |
| chr9| 94123001 | 94128000 | 2.00E-11 |
| chr9| 94124001 | 94129000 | 3.23E-36 |
| chr9| 94186001 | 94191000 | 2.11E-40 |
| chr9| 94303001 | 94308000 | 0.00170734 |
| chr9| 94397001 | 94402000 | 0.001022078 |
| chr9| 94398001 | 94403000 | 6.33E-05 |
| chr9| 94399001 | 94404000 | 5.80E-05 |
| chr9| 94463001 | 94468000 | 1.68E-07 |
| chr9| 94711001 | 94716000 | 1.33E-11 |
| chr9| 94712001 | 94717000 | 2.17E-13 |
| chr9| 94873001 | 94878000 | 6.04E-25 |
| chr9| 95083001 | 95088000 | 2.41E-43 |
| chr9| 95084001 | 95089000 | 3.73E-41 |
| chr9| 95085001 | 95090000 | 8.60E-43 |
| chr9| 95432001 | 95437000 | 3.74E-13 |
| chr9| 96148001 | 96153000 | 1.22E-06 |
| chr9| 96210001 | 96215000 | 3.40E-63 |
| chr9| 96329001 | 96334000 | 5.07E-18 |
| chr9| 96338001 | 96343000 | 5.81E-08 |
| chr9| 96339001 | 96344000 | 1.01E-06 |
| chr9| 96788001 | 96793000 | 1.85E-14 |
| chr9| 96789001 | 96794000 | 1.81E-39 |
| chr9| 96790001 | 96795000 | 7.71E-40 |
| chr9| 96791001 | 96796000 | 2.67E-34 |
| chr9| 96792001 | 96797000 | 2.68E-38 |
| chr9| 96793001 | 96798000 | 3.95E-34 |
| chr9| 96924001 | 96929000 | 2.98E-32 |
| chr9| 96925001 | 96930000 | 1.39E-21 |
| chr9| 97133001 | 97138000 | 3.63E-16 |
| chr9| 97763001 | 97768000 | 2.86E-91 |
| chr9| 97764001 | 97769000 | 1.57E-72 |
| chr9| 98071001 | 98076000 | 1.64E-17 |
| chr9| 98072001 | 98077000 | 1.26E-20 |
| chr9| 98073001 | 98078000 | 6.38E-23 |
| Chr  | Position1 | Position2 | Score   |
|------|-----------|-----------|---------|
| chr9 | 98074001  | 98079000  | 6.86E-25|
| chr9 | 98075001  | 98080000  | 7.66E-49|
| chr9 | 98076001  | 98081000  | 2.03E-46|
| chr9 | 98077001  | 98082000  | 2.39E-46|
| chr9 | 98078001  | 98083000  | 2.48E-39|
| chr9 | 98079001  | 98084000  | 4.72E-37|
| chr9 | 98278001  | 98283000  | 3.32E-11|
| chr9 | 98279001  | 98284000  | 1.76E-08|
| chr9 | 98511001  | 98516000  | 1.00E-17|
| chr9 | 98633001  | 98638000  | 4.09E-49|
| chr9 | 99180001  | 99185000  | 7.02E-43|
| chr9 | 99181001  | 99186000  | 1.04E-15|
| chr9 | 99208001  | 99213000  | 1.54E-32|
| chr9 | 99324001  | 99329000  | 4.06E-19|
| chr9 | 99325001  | 99330000  | 3.57E-40|
| chr9 | 99326001  | 99331000  | 2.47E-41|
| chr9 | 99327001  | 99332000  | 5.08E-42|
| chr9 | 99328001  | 99333000  | 5.15E-44|
| chr9 | 99329001  | 99334000  | 4.59E-36|
| chr9 | 99377001  | 99382000  | 3.93E-30|
| chr9 | 99378001  | 99383000  | 5.31E-20|
| chr9 | 99380001  | 99385000  | 8.99E-17|
| chr9 | 99381001  | 99386000  | 3.74E-32|
| chr9 | 99412001  | 99417000  | 1.13E-12|
| chr9 | 99413001  | 99418000  | 2.71E-75|
| chr9 | 99414001  | 99419000  | 6.11E-49|
| chr9 | 99415001  | 99420000  | 3.72E-53|
| chr9 | 99416001  | 99421000  | 2.68E-41|
| chr9 | 99417001  | 99422000  | 2.83E-49|
| chr9 | 99773001  | 99778000  | 1.42E-23|
| chr9 | 99774001  | 99779000  | 9.53E-19|
| chr9 | 99775001  | 99780000  | 3.22E-24|
| chr9 | 99797001  | 99802000  | 4.26E-42|
| chr9 | 99798001  | 99803000  | 3.88E-37|
| chr9 | 99799001  | 99804000  | 4.21E-38|
| chr9 | 99800001  | 99805000  | 5.26E-23|
| chr9 | 99801001  | 99806000  | 3.93E-28|
| chr9 | 99941001  | 99946000  | 0.003552455|
| chr9 | 100170001 | 100175000 | 8.57E-42|
| chr9 | 100171001 | 100176000 | 2.10E-42|
| chr9 | 100172001 | 100177000 | 8.96E-41|
| chr9 | 100173001 | 100178000 | 3.47E-52|
| chr9 | 100174001 | 100179000 | 1.49E-76|
| chr9 | 100264001 | 100269000 | 2.77E-09|
| chr9 | 100390001 | 100395000 | 9.87E-15|
| chr9 | 100391001 | 100396000 | 8.38E-56|
| chr9 | 100392001 | 100397000 | 1.36E-61|
| chr9 | 100455001 | 100460000 | 4.01E-41|
| Chr | startPos | endPos   | p-value           |
|-----|----------|----------|------------------|
| chr9 | 100456001 | 100461000 | 5.79E-40         |
| chr9 | 100562001 | 100567000 | 1.69E-13         |
| chr9 | 100564001 | 100569000 | 1.36E-12         |
| chr9 | 100698001 | 100703000 | 0.000276594      |
| chr9 | 100740001 | 100745000 | 2.45E-12         |
| chr9 | 100741001 | 100746000 | 8.32E-34         |
| chr9 | 100742001 | 100747000 | 2.89E-37         |
| chr9 | 100745001 | 100750000 | 2.77E-36         |
| chr9 | 100746001 | 100751000 | 4.60E-31         |
| chr9 | 100814001 | 100819000 | 3.53E-26         |
| chr9 | 100815001 | 100820000 | 1.26E-34         |
| chr9 | 100816001 | 100821000 | 8.84E-25         |
| chr9 | 100817001 | 100822000 | 1.73E-25         |
| chr9 | 100818001 | 100823000 | 1.03E-15         |
| chr9 | 100877001 | 100882000 | 6.35E-14         |
| chr9 | 100878001 | 100883000 | 9.01E-11         |
| chr9 | 101469001 | 101474000 | 5.74E-12         |
| chr9 | 101470001 | 101475000 | 1.22E-16         |
| chr9 | 101471001 | 101476000 | 2.86E-12         |
| chr9 | 101566001 | 101571000 | 2.56E-32         |
| chr9 | 101567001 | 101572000 | 2.39E-34         |
| chr9 | 101568001 | 101573000 | 3.24E-24         |
| chr9 | 101569001 | 101574000 | 1.57E-25         |
| chr9 | 101868001 | 101873000 | 7.85E-26         |
| chr9 | 102312001 | 102317000 | 0.000840969      |
| chr9 | 102533001 | 102538000 | 0.000780058      |
| chr9 | 102577001 | 102582000 | 7.78E-26         |
| chr9 | 102578001 | 102583000 | 1.30E-48         |
| chr9 | 102669001 | 102674000 | 5.06E-32         |
| chr9 | 102787001 | 102792000 | 1.25E-05         |
| chr9 | 102788001 | 102793000 | 6.25E-05         |
| chr9 | 103110001 | 103115000 | 1.47E-67         |
| chr9 | 103111001 | 103116000 | 3.42E-77         |
| chr9 | 103112001 | 103117000 | 2.53E-59         |
| chr9 | 103113001 | 103118000 | 2.54E-63         |
| chr9 | 103114001 | 103119000 | 2.52E-74         |
| chr9 | 103115001 | 103120000 | 1.41E-69         |
| chr9 | 103231001 | 103236000 | 2.79E-33         |
| chr9 | 103232001 | 103237000 | 4.51E-24         |
| chr9 | 103233001 | 103238000 | 2.91E-51         |
| chr9 | 103234001 | 103239000 | 3.69E-43         |
| chr9 | 103235001 | 103240000 | 7.23E-46         |
| chr9 | 103236001 | 103241000 | 2.08E-24         |
| chr9 | 103361001 | 103366000 | 1.17E-17         |
| chr9 | 103585001 | 103590000 | 4.90E-10         |
| chr9 | 103586001 | 103591000 | 5.26E-13         |
| chr9 | 103594001 | 103599000 | 0.000260671      |
| chr9 | 103595001 | 103600000 | 1.73E-05         |
| Chromosome | Start     | End       | p-value       |
|------------|-----------|-----------|---------------|
| chr9       | 103596001 | 103601000 | 1.84E-05      |
| chr9       | 103634001 | 103639000 | 4.36E-07      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| chr9       | 103657001 | 103662000 | 0.000149983   |
| chr9       | 103670001 | 103675000 | 2.45E-05      |
| chr9       | 103699001 | 103704000 | 1.81E-08      |
| chr9       | 103819001 | 103824000 | 4.36E-07      |
| chr9       | 103837001 | 103842000 | 3.33E-05      |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|-------------|---------|
| chr9       | 107526001      | 107531000   | 5.23E-37 |
| chr9       | 108002001      | 108007000   | 1.54E-27 |
| chr9       | 108007001      | 108012000   | 1.18E-26 |
| chr9       | 108206001      | 108211000   | 6.34E-09 |
| chr9       | 108208001      | 108213000   | 8.99E-26 |
| chr9       | 108209001      | 108214000   | 1.25E-34 |
| chr9       | 108210001      | 108215000   | 1.77E-44 |
| chr9       | 108675001      | 108680000   | 0.000107823 |
| chr9       | 108676001      | 108681000   | 0.000230406 |
| chr9       | 108746001      | 108751000   | 7.67E-05 |
| chr9       | 108781001      | 108786000   | 5.85E-06 |
| chr9       | 108782001      | 108787000   | 1.80E-08 |
| chr9       | 108783001      | 108788000   | 3.65E-07 |
| chr9       | 108784001      | 108789000   | 7.86E-07 |
| chr9       | 108859001      | 108864000   | 0.0017982 |
| chr9       | 108860001      | 108865000   | 0.00036768 |
| chr9       | 108861001      | 108866000   | 0.000122702 |
| chr9       | 108862001      | 108867000   | 0.000466297 |
| chr9       | 108929001      | 108934000   | 3.98E-06 |
| chr9       | 108930001      | 108935000   | 0.006337138 |
| chr9       | 108988001      | 108993000   | 3.99E-05 |
| chr9       | 108998001      | 109003000   | 1.85E-06 |
| chr9       | 109016001      | 109021000   | 3.29E-08 |
| chr9       | 109017001      | 109022000   | 9.70E-10 |
| chr9       | 109558001      | 109563000   | 3.41E-07 |
| chr9       | 109626001      | 109631000   | 1.99E-10 |
| chr9       | 110041001      | 110046000   | 9.12E-44 |
| chr9       | 111460001      | 111465000   | 4.64E-05 |
| chr9       | 111697001      | 111702000   | 4.77E-08 |
| chr9       | 111775001      | 111780000   | 5.72E-39 |
| chr9       | 111925001      | 111930000   | 1.68E-09 |
| chr9       | 111926001      | 111931000   | 8.52E-08 |
| chr9       | 111927001      | 111932000   | 1.34E-12 |
| chr9       | 111928001      | 111933000   | 8.17E-11 |
| chr9       | 111929001      | 111934000   | 4.10E-16 |
| chr9       | 112080001      | 112085000   | 3.30E-23 |
| chr9       | 112081001      | 112086000   | 2.89E-22 |
| chr9       | 112082001      | 112087000   | 9.87E-45 |
| chr9       | 112083001      | 112088000   | 3.63E-32 |
| chr9       | 112256001      | 112261000   | 4.34E-16 |
| chr9       | 112538001      | 112543000   | 8.05E-19 |
| chr9       | 112539001      | 112544000   | 6.16E-19 |
| chr9       | 112540001      | 112545000   | 5.30E-20 |
| chr9       | 112542001      | 112547000   | 5.26E-18 |
| chr9       | 113090001      | 113095000   | 2.01E-06 |
| chr9       | 113140001      | 113145000   | 6.91E-08 |
| chr9       | 113141001      | 113146000   | 1.79E-07 |
| chr9       | 113147001      | 113152000   | 3.99E-05 |
| Chr | Start | End | P-value |
|-----|-------|-----|---------|
| 9   | 113156001 | 113161000 | 0.00080405 |
| 9   | 113157001 | 113162000 | 0.000333725 |
| 9   | 113218001 | 113223000 | 0.004830043 |
| 9   | 113233001 | 113238000 | 9.08E-07 |
| 9   | 113234001 | 113239000 | 1.57E-06 |
| 9   | 113287001 | 113292000 | 0.000213019 |
| 9   | 113343001 | 113348000 | 0.000355745 |
| 9   | 113344001 | 113349000 | 1.33E-07 |
| 9   | 113369001 | 113374000 | 9.74E-05 |
| 9   | 113370001 | 113375000 | 0.000355745 |
| 9   | 113371001 | 113376000 | 1.03E-06 |
| 9   | 113372001 | 113377000 | 7.20E-09 |
| 9   | 113373001 | 113378000 | 2.02E-08 |
| 9   | 113374001 | 113379000 | 4.57E-06 |
| 9   | 113375001 | 113380000 | 0.000540319 |
| 9   | 113390001 | 113395000 | 0.000806023 |
| 9   | 113404001 | 113409000 | 4.89E-05 |
| 9   | 113420001 | 113425000 | 0.000506828 |
| 9   | 113421001 | 113426000 | 0.000388731 |
| 9   | 113425001 | 113430000 | 2.65E-05 |
| 9   | 113426001 | 113431000 | 1.61E-05 |
| 9   | 113448001 | 113453000 | 0.00395865 |
| 9   | 113544001 | 113549000 | 0.000355065 |
| 9   | 113605001 | 113610000 | 5.44E-07 |
| 9   | 113631001 | 113636000 | 1.12E-06 |
| 9   | 113632001 | 113637000 | 2.62E-05 |
| 9   | 113742001 | 113747000 | 0.000247529 |
| 9   | 113799001 | 113804000 | 1.41E-39 |
| 9   | 113800001 | 113805000 | 1.78E-46 |
| 9   | 113801001 | 113806000 | 3.84E-16 |
| 9   | 113912001 | 113917000 | 0.0035765 |
| 9   | 114393001 | 114398000 | 1.31E-22 |
| 9   | 114419001 | 114424000 | 1.11E-10 |
| 9   | 114424001 | 114429000 | 9.09E-18 |
| 9   | 114654001 | 114659000 | 8.15E-40 |
| 9   | 114655001 | 114660000 | 1.13E-74 |
| 9   | 114687001 | 114692000 | 0.00115621 |
| 9   | 114688001 | 114693000 | 2.74E-05 |
| 9   | 114689001 | 114694000 | 2.24E-06 |
| 9   | 114933001 | 114938000 | 8.98E-22 |
| 9   | 114934001 | 114939000 | 8.88E-19 |
| 9   | 114935001 | 114940000 | 2.31E-15 |
| 9   | 114936001 | 114941000 | 4.76E-18 |
| 9   | 114937001 | 114942000 | 2.40E-08 |
| 9   | 115141001 | 115146000 | 2.18E-19 |
| 9   | 115142001 | 115147000 | 4.67E-21 |
| 9   | 115244001 | 115249000 | 3.56E-30 |
| 9   | 115245001 | 115250000 | 2.98E-49 |
| Chromosome | Start Position | End Position | Score       |
|------------|----------------|--------------|-------------|
| chr9       | 115246001      | 115251000    | 1.49E-51    |
| chr9       | 115247001      | 115252000    | 9.81E-59    |
| chr9       | 115248001      | 115253000    | 3.75E-59    |
| chr9       | 115249001      | 115254000    | 1.07E-87    |
| chr9       | 115250001      | 115255000    | 2.55E-08    |
| chr9       | 115480001      | 115485000    | 9.81E-59    |
| chr9       | 115509001      | 115514000    | 3.75E-59    |
| chr9       | 115510001      | 115515000    | 1.07E-87    |
| chr9       | 115511001      | 115516000    | 2.55E-08    |
| chr9       | 115513001      | 115518000    | 2.63E-10    |
| chr9       | 115655001      | 115660000    | 0.005019082 |
| chr9       | 115685001      | 115690000    | 6.42E-09    |
| chr9       | 115686001      | 115691000    | 1.30E-10    |
| chr9       | 115687001      | 115692000    | 2.32E-11    |
| chr9       | 115688001      | 115693000    | 5.30E-12    |
| chr9       | 115689001      | 115694000    | 2.99E-07    |
| chr9       | 115698001      | 115703000    | 2.24E-05    |
| chr9       | 115734001      | 115739000    | 2.04E-06    |
| chr9       | 115737001      | 115742000    | 1.15E-10    |
| chr9       | 115738001      | 115743000    | 2.43E-09    |
| chr9       | 115739001      | 115744000    | 2.92E-08    |
| chr9       | 115789001      | 115794000    | 2.00E-06    |
| chr9       | 115979001      | 115984000    | 8.78E-27    |
| chr9       | 115980001      | 115985000    | 1.10E-25    |
| chr9       | 115981001      | 115986000    | 1.62E-15    |
| chr9       | 115982001      | 115987000    | 5.80E-25    |
| chr9       | 115983001      | 115988000    | 1.17E-31    |
| chr9       | 115984001      | 115989000    | 1.58E-07    |
| chr9       | 116037001      | 116042000    | 8.26E-19    |
| chr9       | 116107001      | 116112000    | 1.02E-10    |
| chr9       | 116139001      | 116144000    | 0.000643643 |
| chr9       | 116163001      | 116168000    | 3.55E-20    |
| chr9       | 116226001      | 116231000    | 7.93E-32    |
| chr9       | 116472001      | 116477000    | 1.59E-09    |
| chr9       | 116491001      | 116496000    | 4.32E-06    |
| chr9       | 116607001      | 116612000    | 5.72E-05    |
| chr9       | 116637001      | 116642000    | 8.55E-15    |
| chr9       | 116638001      | 116643000    | 8.00E-19    |
| chr9       | 116787001      | 116792000    | 4.60E-11    |
| chr9       | 116950001      | 116955000    | 0.00014504  |
| chr9       | 117054001      | 117059000    | 5.04E-06    |
| chr9       | 117160001      | 117165000    | 5.73E-12    |
| chr9       | 117262001      | 117267000    | 9.81E-12    |
| chr9       | 118291001      | 118296000    | 0.000216585 |
| chr9       | 118350001      | 118355000    | 8.67E-07    |
| chr9       | 118351001      | 118356000    | 2.79E-09    |
| chr9       | 118352001      | 118357000    | 4.35E-09    |
| chr9       | 118353001      | 118358000    | 1.07E-08    |
| chr9 | start | end | p-value       |
|------|-------|-----|--------------|
| chr9 | 118582001 | 118587000 | 0.001057168  |
| chr9 | 118583001 | 118588000 | 5.45E-06     |
| chr9 | 118642001 | 118647000 | 6.67E-07     |
| chr9 | 118912001 | 118917000 | 6.18E-32     |
| chr9 | 119223001 | 119228000 | 7.19E-09     |
| chr9 | 119224001 | 119229000 | 1.78E-10     |
| chr9 | 119271001 | 119276000 | 8.75E-10     |
| chr9 | 119278001 | 119283000 | 2.43E-05     |
| chr9 | 119280001 | 119285000 | 5.35E-07     |
| chr9 | 119284001 | 119289000 | 4.16E-06     |
| chr9 | 119286001 | 119291000 | 1.40E-05     |
| chr9 | 119287001 | 119292000 | 7.12E-06     |
| chr9 | 119288001 | 119293000 | 3.08E-05     |
| chr9 | 119516001 | 119521000 | 5.04E-05     |
| chr9 | 119529001 | 119534000 | 0.000167319  |
| chr9 | 119918001 | 119923000 | 6.65E-06     |
| chr9 | 119936001 | 119941000 | 0.005725637  |
| chr9 | 120363001 | 120368000 | 0.000237443  |
| chr9 | 121222001 | 121227000 | 0.002214295  |
| chr9 | 121746001 | 121751000 | 8.11E-05     |
| chr9 | 123338001 | 123343000 | 3.39E-25     |
| chr9 | 123339001 | 123344000 | 3.20E-21     |
| chr9 | 123340001 | 123345000 | 1.83E-23     |
| chr9 | 123476001 | 123481000 | 3.99E-16     |
| chr9 | 123477001 | 123482000 | 5.35E-18     |
| chr9 | 123551001 | 123556000 | 5.91E-59     |
| chr9 | 123552001 | 123557000 | 8.08E-34     |
| chr9 | 123601001 | 123606000 | 4.05E-18     |
| chr9 | 123689001 | 123694000 | 3.31E-20     |
| chr9 | 123963001 | 123968000 | 4.05E-13     |
| chr9 | 124117001 | 124122000 | 6.55E-07     |
| chr9 | 124118001 | 124123000 | 1.80E-08     |
| chr9 | 124156001 | 124161000 | 7.19E-06     |
| chr9 | 124169001 | 124174000 | 9.52E-05     |
| chr9 | 124262001 | 124267000 | 2.59E-11     |
| chr9 | 124349001 | 124354000 | 2.59E-06     |
| chr9 | 124357001 | 124362000 | 5.02E-26     |
| chr9 | 124358001 | 124363000 | 1.66E-30     |
| chr9 | 124359001 | 124364000 | 9.15E-06     |
| chr9 | 124361001 | 124366000 | 8.16E-31     |
| chr9 | 124362001 | 124367000 | 2.51E-14     |
| chr9 | 124409001 | 124414000 | 1.62E-10     |
| chr9 | 124410001 | 124415000 | 4.44E-11     |
| chr9 | 124411001 | 124416000 | 2.62E-06     |
| chr9 | 124414001 | 124419000 | 7.00E-11     |
| chr9 | 124457001 | 124462000 | 2.42E-13     |
| chr9 | 124459001 | 124464000 | 8.84E-10     |
| Chromosome | Start | End   | Value      |
|------------|-------|-------|------------|
| chr9       | 124460001 | 124465000 | 1.96E-10   |
| chr9       | 124461001 | 124466000 | 1.37E-11   |
| chr9       | 124851001 | 124856000 | 4.85E-20   |
| chr9       | 124852001 | 124857000 | 1.13E-15   |
| chr9       | 124917001 | 124922000 | 1.54E-27   |
| chr9       | 124972001 | 124977000 | 5.16E-17   |
| chr9       | 124990001 | 124995000 | 6.32E-26   |
| chr9       | 125179001 | 125184000 | 0.009298943|
| chr9       | 125191001 | 125196000 | 8.89E-05   |
| chr9       | 125258001 | 125263000 | 5.30E-06   |
| chr9       | 125309001 | 125314000 | 1.52E-06   |
| chr9       | 125310001 | 125315000 | 3.01E-05   |
| chr9       | 125311001 | 125316000 | 1.85E-06   |
| chr9       | 125334001 | 125339000 | 4.97E-07   |
| chr9       | 125368001 | 125373000 | 3.22E-06   |
| chr9       | 125406001 | 125411000 | 3.26E-07   |
| chr9       | 125407001 | 125412000 | 1.06E-08   |
| chr9       | 125409001 | 125414000 | 2.60E-10   |
| chr9       | 125410001 | 125415000 | 3.59E-10   |
| chr9       | 125514001 | 125519000 | 0.000116835|
| chr9       | 125515001 | 125520000 | 0.001485083|
| chr9       | 125517001 | 125522000 | 1.05E-05   |
| chr9       | 125667001 | 125672000 | 2.06E-32   |
| chr9       | 125670001 | 125675000 | 0.000239676|
| chr9       | 125671001 | 125676000 | 6.76E-50   |
| chr9       | 125672001 | 125677000 | 7.24E-30   |
| chr9       | 125694001 | 125699000 | 2.51E-09   |
| chr9       | 126026001 | 126031000 | 2.73E-26   |
| chr9       | 126027001 | 126032000 | 2.54E-28   |
| chr9       | 126028001 | 126033000 | 2.33E-25   |
| chr9       | 126030001 | 126035000 | 1.50E-24   |
| chr9       | 126031001 | 126036000 | 6.71E-07   |
| chr9       | 126807001 | 126812000 | 3.50E-11   |
| chr9       | 127016001 | 127021000 | 7.14E-19   |
| chr9       | 127527001 | 127532000 | 6.56E-12   |
| chr9       | 127528001 | 127533000 | 8.08E-31   |
| chr9       | 127529001 | 127534000 | 6.40E-23   |
| chr9       | 127535001 | 127540000 | 6.20E-13   |
| chr9       | 127699001 | 127704000 | 6.72E-13   |
| chr9       | 127703001 | 127708000 | 2.43E-45   |
| chr9       | 127901001 | 127906000 | 9.28E-15   |
| chr9       | 127903001 | 127908000 | 2.06E-35   |
| chr9       | 127947001 | 127952000 | 1.41E-25   |
| chr9       | 127948001 | 127953000 | 1.02E-25   |
| chr9       | 127962001 | 127967000 | 1.22E-12   |
| chr9       | 128300001 | 128305000 | 2.68E-06   |
| chr9       | 128465001 | 128470000 | 1.34E-37   |
| chr9       | 128466001 | 128471000 | 1.14E-55   |
| Chromosome | Start Position | End Position | Log10(P Value) |
|------------|----------------|--------------|----------------|
| chr9       | 128467001      | 128472000    | 2.75E-41       |
| chr9       | 128468001      | 128473000    | 2.00E-35       |
| chr9       | 128469001      | 128474000    | 8.38E-24       |
| chr9       | 128510001      | 128515000    | 3.55E-30       |
| chr9       | 128648001      | 128653000    | 1.69E-29       |
| chr9       | 128649001      | 128654000    | 5.05E-36       |
| chr9       | 128650001      | 128655000    | 7.24E-37       |
| chr9       | 128651001      | 128656000    | 4.57E-32       |
| chr9       | 128652001      | 128657000    | 6.10E-44       |
| chr9       | 128670001      | 128675000    | 1.76E-07       |
| chr9       | 128673001      | 128678000    | 5.22E-06       |
| chr9       | 128896001      | 128901000    | 0.002628506    |
| chr9       | 128897001      | 128902000    | 0.000808787    |
| chr9       | 129084001      | 129089000    | 8.33E-21       |
| chr9       | 129085001      | 129090000    | 7.24E-31       |
| chr9       | 129086001      | 129091000    | 1.88E-41       |
| chr9       | 129087001      | 129092000    | 4.28E-43       |
| chr9       | 129088001      | 129093000    | 1.25E-23       |
| chr9       | 129089001      | 129094000    | 3.86E-56       |
| chr9       | 129483001      | 129488000    | 2.45E-09       |
| chr9       | 129484001      | 129489000    | 1.06E-10       |
| chr9       | 129563001      | 129568000    | 9.64E-26       |
| chr9       | 129564001      | 129569000    | 1.64E-21       |
| chr9       | 129565001      | 129570000    | 5.24E-23       |
| chr9       | 129566001      | 129571000    | 2.32E-25       |
| chr9       | 129622001      | 129627000    | 7.71E-33       |
| chr9       | 129623001      | 129628000    | 1.10E-27       |
| chr9       | 129982001      | 129987000    | 6.58E-58       |
| chr9       | 129983001      | 129988000    | 5.44E-93       |
| chr9       | 129984001      | 129989000    | 5.60E-65       |
| chr9       | 129985001      | 129990000    | 2.03E-44       |
| chr9       | 129986001      | 129991000    | 2.27E-20       |
| chr9       | 129987001      | 129992000    | 9.90E-35       |
| chr9       | 130214001      | 130219000    | 4.91E-11       |
| chr9       | 130367001      | 130372000    | 2.84E-16       |
| chr9       | 130370001      | 130375000    | 1.13E-31       |
| chr9       | 130371001      | 130376000    | 8.47E-28       |
| chr9       | 130372001      | 130377000    | 2.27E-28       |
| chr9       | 130373001      | 130378000    | 4.62E-18       |
| chr9       | 130374001      | 130379000    | 2.06E-15       |
| chr9       | 130375001      | 130380000    | 1.92E-06       |
| chr9       | 130495001      | 130500000    | 2.75E-07       |
| chr9       | 130561001      | 130566000    | 1.40E-37       |
| chr9       | 130562001      | 130567000    | 3.11E-13       |
| chr9       | 130563001      | 130568000    | 2.12E-11       |
| chr9       | 130564001      | 130569000    | 4.71E-15       |
| chr9       | 130743001      | 130748000    | 8.01E-06       |
| chr9       | 130918001      | 130923000    | 3.44E-17       |
| Chromosome | Start | End   | Log10(p-value) |
|------------|-------|-------|---------------|
| chr9       | 130919001 | 130924000 | 2.28E-18      |
| chr9       | 130920001 | 130925000 | 5.13E-12      |
| chr9       | 130949001 | 130954000 | 1.32E-07      |
| chr9       | 130961001 | 130966000 | 3.67E-08      |
| chr9       | 131101001 | 131106000 | 8.02E-11      |
| chr9       | 131102001 | 131107000 | 1.65E-16      |
| chr9       | 131123001 | 131128000 | 7.44E-09      |
| chr9       | 131214001 | 131219000 | 8.11E-12      |
| chr9       | 131217001 | 131222000 | 8.49E-10      |
| chr9       | 131218001 | 131223000 | 3.73E-25      |
| chr9       | 131219001 | 131224000 | 3.92E-10      |
| chr9       | 131263001 | 131268000 | 2.55E-08      |
| chr9       | 131264001 | 131269000 | 8.00E-11      |
| chr9       | 131266001 | 131271000 | 8.78E-11      |
| chr9       | 131267001 | 131272000 | 8.10E-15      |
| chr9       | 131310001 | 131315000 | 2.16E-22      |
| chr9       | 131314001 | 131319000 | 8.46E-23      |
| chr9       | 131315001 | 131320000 | 1.01E-19      |
| chr9       | 131461001 | 131466000 | 1.59E-08      |
| chr9       | 131462001 | 131467000 | 2.66E-09      |
| chr9       | 131545001 | 131550000 | 4.67E-17      |
| chr9       | 131546001 | 131551000 | 9.86E-16      |
| chr9       | 131547001 | 131552000 | 1.55E-25      |
| chr9       | 131548001 | 131553000 | 7.08E-19      |
| chr9       | 131549001 | 131554000 | 1.55E-09      |
| chr9       | 131577001 | 131582000 | 1.70E-33      |
| chr9       | 131644001 | 131649000 | 6.90E-11      |
| chr9       | 131709001 | 131714000 | 4.66E-13      |
| chr9       | 131710001 | 131715000 | 1.69E-11      |
| chr9       | 1319332001 | 131937000 | 2.12E-10      |
| chr9       | 132142001 | 132147000 | 4.34E-09      |
| chr9       | 132172001 | 132177000 | 7.67E-09      |
| chr9       | 132173001 | 132178000 | 4.64E-05      |
| chr9       | 132175001 | 132180000 | 3.03E-06      |
| chr9       | 132176001 | 132181000 | 1.99E-08      |
| chr9       | 132241001 | 132246000 | 2.01E-05      |
| chr9       | 132457001 | 132462000 | 5.11E-21      |
| chr9       | 132458001 | 132463000 | 1.30E-18      |
| chr9       | 132459001 | 132464000 | 7.85E-21      |
| chr9       | 132565001 | 132570000 | 8.69E-12      |
| chr9       | 132582001 | 132587000 | 2.71E-06      |
| chr9       | 132583001 | 132588000 | 2.94E-09      |
| chr9       | 132584001 | 132589000 | 1.25E-11      |
| chr9       | 133452001 | 133457000 | 1.13E-11      |
| chr9       | 133453001 | 133458000 | 1.07E-22      |
| chr9       | 133454001 | 133459000 | 6.57E-18      |
| chr9       | 133455001 | 133460000 | 1.69E-17      |
| chr9       | 133552001 | 133557000 | 5.22E-06      |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr9       | 133584001      | 133589000    | 2.70E-16 |
| chr9       | 133585001      | 133590000    | 2.44E-12 |
| chr9       | 133588001      | 133593000    | 4.69E-23 |
| chr9       | 133706001      | 133710000    | 1.25E-36 |
| chr9       | 133707001      | 133712000    | 5.24E-40 |
| chr9       | 133708001      | 133713000    | 1.68E-25 |
| chr9       | 133709001      | 133714000    | 1.05E-11 |
| chr9       | 133710001      | 133715000    | 4.40E-22 |
| chr9       | 133711001      | 133716000    | 3.55E-08 |
| chr9       | 134158001      | 134163000    | 1.54E-14 |
| chr9       | 134221001      | 134226000    | 3.17E-08 |
| chr9       | 134266001      | 134271000    | 2.91E-15 |
| chr9       | 134267001      | 134272000    | 4.05E-25 |
| chr9       | 134416001      | 134421000    | 5.93E-21 |
| chr9       | 134417001      | 134422000    | 2.30E-28 |
| chr9       | 134418001      | 134423000    | 3.95E-44 |
| chr9       | 134419001      | 134424000    | 6.53E-60 |
| chr9       | 134420001      | 134425000    | 7.47E-69 |
| chr9       | 134421001      | 134426000    | 1.53E-48 |
| chr9       | 134612001      | 134617000    | 5.96E-07 |
| chr9       | 134613001      | 134618000    | 4.81E-06 |
| chr9       | 135541001      | 135546000    | 4.22E-32 |
| chr9       | 135572001      | 135577000    | 8.84E-05 |
| chr9       | 135573001      | 135578000    | 7.63E-05 |
| chr9       | 135752001      | 135757000    | 1.12E-22 |
| chr9       | 135815001      | 135820000    | 3.31E-31 |
| chr9       | 135816001      | 135821000    | 3.16E-21 |
| chr9       | 135848001      | 135853000    | 4.44E-08 |
| chr9       | 135901001      | 135906000    | 5.68E-10 |
| chr9       | 135904001      | 135909000    | 4.20E-28 |
| chr9       | 135905001      | 135910000    | 4.81E-29 |
| chr9       | 135996001      | 136001000    | 7.23E-09 |
| chr9       | 136608001      | 136613000    | 1.83E-05 |
| chr9       | 136852001      | 136857000    | 1.62E-08 |
| chr9       | 136853001      | 136858000    | 1.79E-14 |
| chr9       | 136929001      | 136934000    | 0.000871393 |
| chr9       | 136932001      | 136937000    | 1.40E-07 |
| chr9       | 136933001      | 136938000    | 0.000240064 |
| chr9       | 138798001      | 138803000    | 1.21E-11 |
| chr9       | 138799001      | 138804000    | 1.20E-15 |
| chr9       | 138984001      | 138989000    | 2.21E-10 |
| chr9       | 138985001      | 138990000    | 7.79E-15 |
| chr9       | 138986001      | 138991000    | 1.26E-09 |
| chr9       | 138987001      | 138992000    | 1.58E-05 |
| chr9       | 139010001      | 139015000    | 3.59E-09 |
| chr9       | 139290001      | 139295000    | 5.71E-13 |
| chr9       | 139291001      | 139296000    | 5.34E-12 |
| chr9       | 139292001      | 139297000    | 9.62E-13 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr9       | 139293001      | 139298000    | 4.11E-13 |
| chr9       | 139374001      | 139379000    | 7.34E-35 |
| chr9       | 139964001      | 139969000    | 1.41E-10 |
| chr9       | 139971001      | 139976000    | 2.33E-10 |
| chr9       | 140020001      | 140025000    | 1.65E-25 |
| chr9       | 140021001      | 140026000    | 1.57E-25 |
| chr9       | 140022001      | 140027000    | 9.54E-21 |
| chr9       | 140023001      | 140028000    | 2.32E-32 |
| chr9       | 140024001      | 140029000    | 4.95E-23 |
| chr9       | 140091001      | 140096000    | 2.16E-10 |
| chr9       | 140093001      | 140098000    | 0.002255806 |
| chr9       | 140094001      | 140099000    | 6.46E-15 |
| chr9       | 140095001      | 140100000    | 1.20E-12 |
| chr9       | 140147001      | 140152000    | 1.76E-10 |
| chr9       | 140148001      | 140153000    | 2.50E-13 |
| chr9       | 140149001      | 140154000    | 9.64E-21 |
| chr9       | 140313001      | 140318000    | 4.24E-24 |
| chr9       | 140314001      | 140319000    | 4.09E-33 |
| chr9       | 140315001      | 140320000    | 4.10E-29 |
| chr9       | 140316001      | 140321000    | 3.90E-25 |
| chr9       | 140317001      | 140322000    | 3.82E-25 |
| chr9       | 140445001      | 140450000    | 1.41E-09 |
| chr9       | 140480001      | 140485000    | 6.88E-15 |
| chr9       | 140485001      | 140490000    | 6.92E-06 |
| chr9       | 140509001      | 140514000    | 0.000132779 |
| chr9       | 140913001      | 140918000    | 4.70E-08 |
| chr9       | 140914001      | 140919000    | 1.07E-08 |
| chr9       | 140916001      | 140921000    | 2.51E-07 |
| chr10      | 78001          | 83000        | 1.96E-05 |
| chr10      | 262001         | 267000       | 5.56E-05 |
| chr10      | 263001         | 268000       | 0.000208992 |
| chr10      | 732001         | 737000       | 3.87E-09 |
| chr10      | 733001         | 738000       | 1.35E-14 |
| chr10      | 1032001        | 1037000      | 2.15E-22 |
| chr10      | 1033001        | 1038000      | 3.81E-21 |
| chr10      | 1034001        | 1039000      | 4.82E-18 |
| chr10      | 1086001        | 1091000      | 7.15E-12 |
| chr10      | 1087001        | 1092000      | 4.49E-06 |
| chr10      | 1088001        | 1093000      | 5.00E-05 |
| chr10      | 1095001        | 1100000      | 2.37E-36 |
| chr10      | 1097001        | 1102000      | 1.15E-19 |
| chr10      | 1098001        | 1103000      | 1.03E-38 |
| chr10      | 1099001        | 1104000      | 1.44E-36 |
| chr10      | 1100001        | 1105000      | 7.29E-50 |
| chr10      | 1101001        | 1106000      | 1.09E-33 |
| chr10      | 1102001        | 1107000      | 1.66E-39 |
| chr10      | 1775001        | 1780000      | 2.54E-39 |
| chr10      | 1776001        | 1781000      | 1.22E-35 |
| Chromosome | Start Position | End Position | Score  |
|------------|----------------|--------------|--------|
| chr10      | 1787001        | 1792000      | 3.39E-12 |
| chr10      | 1792001        | 1797000      | 1.76E-05 |
| chr10      | 1918001        | 1923000      | 9.73E-09 |
| chr10      | 1919001        | 1924000      | 4.11E-11 |
| chr10      | 2031001        | 2036000      | 3.09E-07 |
| chr10      | 2302001        | 2307000      | 0.00195246 |
| chr10      | 2678001        | 2683000      | 0.001047728 |
| chr10      | 2785001        | 2790000      | 0.000376387 |
| chr10      | 2829001        | 2834000      | 2.53E-06 |
| chr10      | 2832001        | 2837000      | 4.28E-05 |
| chr10      | 2916001        | 2921000      | 5.72E-10 |
| chr10      | 2917001        | 2922000      | 3.88E-09 |
| chr10      | 3105001        | 3110000      | 4.71E-18 |
| chr10      | 3111001        | 3116000      | 1.95E-23 |
| chr10      | 3827001        | 3832000      | 2.46E-39 |
| chr10      | 4013001        | 4018000      | 0.000625952 |
| chr10      | 4488001        | 4493000      | 1.24E-05 |
| chr10      | 4824001        | 4829000      | 3.28E-06 |
| chr10      | 4825001        | 4830000      | 1.31E-07 |
| chr10      | 4826001        | 4831000      | 9.87E-08 |
| chr10      | 4827001        | 4832000      | 3.89E-08 |
| chr10      | 4866001        | 4871000      | 1.03E-25 |
| chr10      | 4867001        | 4872000      | 1.06E-22 |
| chr10      | 4868001        | 4873000      | 1.27E-55 |
| chr10      | 5123001        | 5128000      | 1.14E-05 |
| chr10      | 5133001        | 5138000      | 4.71E-07 |
| chr10      | 5134001        | 5139000      | 9.35E-06 |
| chr10      | 5454001        | 5459000      | 1.97E-12 |
| chr10      | 5730001        | 5735000      | 1.18E-35 |
| chr10      | 5731001        | 5736000      | 5.62E-39 |
| chr10      | 5732001        | 5737000      | 5.04E-40 |
| chr10      | 5927001        | 5932000      | 1.05E-32 |
| chr10      | 6015001        | 6020000      | 4.03E-22 |
| chr10      | 6017001        | 6022000      | 2.09E-17 |
| chr10      | 6018001        | 6023000      | 1.72E-15 |
| chr10      | 6019001        | 6024000      | 3.68E-24 |
| chr10      | 6130001        | 6135000      | 4.64E-27 |
| chr10      | 6131001        | 6136000      | 1.39E-32 |
| chr10      | 6201001        | 6206000      | 1.09E-35 |
| chr10      | 6202001        | 6207000      | 1.33E-41 |
| chr10      | 6203001        | 6208000      | 9.78E-24 |
| chr10      | 6204001        | 6209000      | 5.64E-12 |
| chr10      | 6581001        | 6586000      | 9.78E-10 |
| chr10      | 6622001        | 6627000      | 1.25E-18 |
| chr10      | 7007001        | 7012000      | 0.001050128 |
| chr10      | 7182001        | 7187000      | 0.000735747 |
| chr10      | 7183001        | 7188000      | 0.001463037 |
| chr10      | 7528001        | 7533000      | 1.74E-05 |
| chr10  |    |    |       |       |       |
|--------|----|----|-------|-------|-------|
|        | 7825001 | 7830000 | 2.06E-40 |       |       |
|        | 7826001 | 7831000 | 7.43E-42 |       |       |
|        | 7831001 | 7836000 | 2.30E-07 |       |       |
|        | 9793001 | 9798000 | 3.99E-06 |       |       |
|        | 9794001 | 9799000 | 9.78E-06 |       |       |
|        | 9851001 | 9856000 | 0.009231329 |       |       |
|        | 10140001 | 10145000 | 0.001854818 |       |       |
|        | 10141001 | 10146000 | 0.001166888 |       |       |
|        | 10142001 | 10147000 | 0.001973782 |       |       |
|        | 10143001 | 10148000 | 0.002711039 |       |       |
|        | 10189001 | 10194000 | 0.009338491 |       |       |
|        | 10395001 | 10400000 | 6.84E-05 |       |       |
|        | 10438001 | 10443000 | 0.000674383 |       |       |
|        | 10451001 | 10456000 | 0.000179352 |       |       |
|        | 10810001 | 10815000 | 2.85E-10 |       |       |
|        | 11055001 | 11060000 | 3.83E-29 |       |       |
|        | 11060001 | 11065000 | 7.06E-33 |       |       |
|        | 11207001 | 11212000 | 1.41E-12 |       |       |
|        | 11525001 | 11530000 | 2.37E-05 |       |       |
|        | 11555001 | 11560000 | 2.96E-07 |       |       |
|        | 11556001 | 11561000 | 2.52E-07 |       |       |
|        | 11557001 | 11562000 | 1.03E-05 |       |       |
|        | 11649001 | 11654000 | 3.84E-18 |       |       |
|        | 11652001 | 11657000 | 7.32E-29 |       |       |
|        | 11653001 | 11658000 | 3.02E-31 |       |       |
|        | 11861001 | 11866000 | 6.93E-59 |       |       |
|        | 11862001 | 11867000 | 8.07E-51 |       |       |
|        | 11863001 | 11868000 | 2.78E-35 |       |       |
|        | 11864001 | 11869000 | 1.36E-52 |       |       |
|        | 11865001 | 11870000 | 2.80E-46 |       |       |
|        | 12080001 | 12085000 | 4.27E-41 |       |       |
|        | 12081001 | 12086000 | 3.94E-35 |       |       |
|        | 12167001 | 12172000 | 1.36E-33 |       |       |
|        | 12168001 | 12173000 | 8.11E-20 |       |       |
|        | 12387001 | 12392000 | 1.52E-12 |       |       |
|        | 12661001 | 12666000 | 1.30E-19 |       |       |
|        | 12662001 | 12667000 | 2.98E-25 |       |       |
|        | 12663001 | 12668000 | 1.06E-17 |       |       |
|        | 12664001 | 12669000 | 6.40E-18 |       |       |
|        | 12665001 | 12670000 | 1.19E-23 |       |       |
|        | 13039001 | 13044000 | 3.18E-26 |       |       |
|        | 13040001 | 13045000 | 1.10E-14 |       |       |
|        | 13142001 | 13147000 | 7.51E-20 |       |       |
|        | 13337001 | 13342000 | 7.53E-28 |       |       |
|        | 13482001 | 13487000 | 8.44E-18 |       |       |
|        | 13566001 | 13571000 | 5.33E-32 |       |       |
|        | 13567001 | 13572000 | 2.12E-31 |       |       |
|        | 13568001 | 13573000 | 2.88E-42 |       |       |
| Chr  | Start | End   | PValue   |
|------|-------|-------|----------|
| chr10| 13569001 | 13574000 | 3.36E-44 |
| chr10| 13570001 | 13575000 | 6.84E-64 |
| chr10| 13571001 | 13576000 | 8.15E-58 |
| chr10| 13820001 | 13825000 | 7.83E-05 |
| chr10| 14211001 | 14216000 | 1.03E-17 |
| chr10| 14212001 | 14217000 | 3.20E-28 |
| chr10| 14213001 | 14218000 | 2.90E-15 |
| chr10| 14435001 | 14440000 | 0.00114584 |
| chr10| 14642001 | 14647000 | 9.35E-22 |
| chr10| 14645001 | 14650000 | 9.46E-28 |
| chr10| 14646001 | 14651000 | 9.70E-24 |
| chr10| 14875001 | 14880000 | 5.23E-38 |
| chr10| 14876001 | 14881000 | 2.51E-68 |
| chr10| 14877001 | 14882000 | 2.72E-59 |
| chr10| 14878001 | 14883000 | 4.44E-79 |
| chr10| 14879001 | 14884000 | 5.45E-56 |
| chr10| 14880001 | 14885000 | 5.45E-31 |
| chr10| 14916001 | 14921000 | 4.52E-52 |
| chr10| 14917001 | 14922000 | 6.30E-51 |
| chr10| 14918001 | 14923000 | 1.76E-65 |
| chr10| 14919001 | 14924000 | 9.06E-63 |
| chr10| 14920001 | 14925000 | 9.99E-76 |
| chr10| 14921001 | 14926000 | 9.25E-46 |
| chr10| 15206001 | 15211000 | 1.30E-26 |
| chr10| 15207001 | 15212000 | 5.69E-33 |
| chr10| 15208001 | 15213000 | 7.05E-30 |
| chr10| 15210001 | 15215000 | 1.59E-20 |
| chr10| 15408001 | 15413000 | 3.02E-19 |
| chr10| 15409001 | 15414000 | 2.94E-35 |
| chr10| 15410001 | 15415000 | 1.40E-37 |
| chr10| 15411001 | 15416000 | 3.01E-17 |
| chr10| 15583001 | 15588000 | 0.00169463 |
| chr10| 15618001 | 15623000 | 7.02E-08 |
| chr10| 15619001 | 15624000 | 2.35E-09 |
| chr10| 15716001 | 15721000 | 1.72E-05 |
| chr10| 15718001 | 15723000 | 1.00E-07 |
| chr10| 15719001 | 15724000 | 7.42E-06 |
| chr10| 15761001 | 15766000 | 1.59E-08 |
| chr10| 15897001 | 15902000 | 3.02E-13 |
| chr10| 15898001 | 15903000 | 1.01E-30 |
| chr10| 15899001 | 15904000 | 1.87E-25 |
| chr10| 15900001 | 15905000 | 7.16E-33 |
| chr10| 15901001 | 15906000 | 1.41E-32 |
| chr10| 15902001 | 15907000 | 5.67E-31 |
| chr10| 16559001 | 16564000 | 7.94E-26 |
| chr10| 16563001 | 16568000 | 2.41E-23 |
| chr10| 17104001 | 17109000 | 1.28E-05 |
| chr10| 17105001 | 17110000 | 1.03E-06 |
| Chromosome | Start | End   | Log10(P-value) |
|------------|-------|-------|----------------|
| chr10      | 17199001 | 17204000 | 6.22E-06       |
| chr10      | 17200001 | 17205000 | 2.16E-08       |
| chr10      | 17201001 | 17206000 | 1.73E-12       |
| chr10      | 17202001 | 17207000 | 1.77E-13       |
| chr10      | 17243001 | 17248000 | 3.95E-33       |
| chr10      | 17250001 | 17255000 | 0.01810975     |
| chr10      | 17251001 | 17256000 | 6.20E-09       |
| chr10      | 17252001 | 17257000 | 1.77E-13       |
| chr10      | 17256001 | 17260000 | 0.007864122    |
| chr10      | 17360001 | 17365000 | 0.001115885    |
| chr10      | 17361001 | 17366000 | 2.21E-10       |
| chr10      | 17362001 | 17367000 | 2.16E-08       |
| chr10      | 17363001 | 17368000 | 6.20E-09       |
| chr10      | 17364001 | 17369000 | 1.77E-13       |
| chr10      | 17476001 | 17481000 | 0.000243552    |
| chr10      | 17477001 | 17482000 | 6.53E-10       |
| chr10      | 17478001 | 17483000 | 3.32E-08       |
| chr10      | 17479001 | 17484000 | 3.24E-33       |
| chr10      | 17659001 | 17664000 | 0.000762533    |
| chr10      | 17730001 | 17735000 | 0.0000762533   |
| chr10      | 18338001 | 18343000 | 4.38E-05       |
| chr10      | 18350001 | 18355000 | 3.07E-13       |
| chr10      | 18351001 | 18356000 | 3.32E-08       |
| chr10      | 18352001 | 18357000 | 3.24E-33       |
| chr10      | 18425001 | 18430000 | 2.45E-14       |
| chr10      | 18476001 | 18481000 | 0.006857531    |
| chr10      | 18550001 | 18555000 | 0.000267102    |
| chr10      | 18940001 | 18945000 | 2.78E-10       |
| chr10      | 18944001 | 18949000 | 6.53E-40       |
| chr10      | 19067001 | 19072000 | 3.55E-06       |
| chr10      | 19089001 | 19094000 | 0.012025563    |
| chr10      | 19158001 | 19163000 | 0.00003002     |
| chr10      | 19309001 | 19314000 | 2.48E-06       |
| chr10      | 19561001 | 19566000 | 2.48E-06       |
| chr10      | 19657001 | 19662000 | 0.006818534    |
| chr10      | 20381001 | 20386000 | 2.78E-06       |
| chr10      | 20382001 | 20387000 | 0.0000394512   |
| chr10      | 20893001 | 20898000 | 2.42E-33       |
| chr10      | 21005001 | 21010000 | 1.60E-05       |
| chr10      | 21006001 | 21011000 | 0.0000394512   |
| chr10      | 21007001 | 21012000 | 3.59E-12       |
| chr10      | 21008001 | 21013000 | 1.07E-08       |
| chr10      | 21009001 | 21014000 | 9.09E-07       |
| chr10      | 21010001 | 21015000 | 4.43E-07       |
| chr10      | 21016001 | 21021000 | 3.17E-19       |
| chr10      | 21779001 | 21784000 | 2.40E-21       |
| chr10      | 21801001 | 21806000 | 3.24E-33       |
| chr | start | end   | p-value |
|-----|-------|-------|---------|
| chr10 | 21802001 | 21807000 | 2.42E-26 |
| chr10 | 21803001 | 21808000 | 2.23E-30 |
| chr10 | 22359001 | 22364000 | 3.03E-07 |
| chr10 | 22361001 | 22366000 | 3.05E-06 |
| chr10 | 22604001 | 22609000 | 9.97E-67 |
| chr10 | 22605001 | 22610000 | 2.39E-108 |
| chr10 | 22606001 | 22611000 | 2.05E-113 |
| chr10 | 22607001 | 22612000 | 2.88E-129 |
| chr10 | 22608001 | 22613000 | 8.24E-93 |
| chr10 | 22609001 | 22614000 | 6.41E-68 |
| chr10 | 22613001 | 22618000 | 1.10E-40 |
| chr10 | 22614001 | 22619000 | 2.89E-41 |
| chr10 | 22615001 | 22620000 | 1.13E-13 |
| chr10 | 22633001 | 22638000 | 3.23E-21 |
| chr10 | 22634001 | 22639000 | 6.54E-26 |
| chr10 | 22726001 | 22731000 | 3.69E-35 |
| chr10 | 22806001 | 22811000 | 5.05E-05 |
| chr10 | 22935001 | 22940000 | 2.89E-13 |
| chr10 | 22998001 | 23003000 | 7.75E-19 |
| chr10 | 22999001 | 23004000 | 4.44E-12 |
| chr10 | 23000001 | 23005000 | 1.78E-12 |
| chr10 | 23001001 | 23006000 | 1.55E-21 |
| chr10 | 23002001 | 23007000 | 1.38E-26 |
| chr10 | 23003001 | 23008000 | 8.11E-23 |
| chr10 | 23039001 | 23044000 | 8.44E-05 |
| chr10 | 23040001 | 23045000 | 9.51E-06 |
| chr10 | 23041001 | 23046000 | 8.27E-06 |
| chr10 | 23042001 | 23047000 | 4.96E-07 |
| chr10 | 23043001 | 23048000 | 1.52E-08 |
| chr10 | 23046001 | 23051000 | 1.23E-06 |
| chr10 | 23074001 | 23079000 | 4.47E-05 |
| chr10 | 23101001 | 23106000 | 3.07E-06 |
| chr10 | 23176001 | 23181000 | 6.09E-08 |
| chr10 | 23177001 | 23182000 | 3.90E-06 |
| chr10 | 23212001 | 23217000 | 4.91E-26 |
| chr10 | 23213001 | 23218000 | 4.12E-25 |
| chr10 | 23214001 | 23219000 | 1.22E-31 |
| chr10 | 23215001 | 23220000 | 2.76E-30 |
| chr10 | 23216001 | 23221000 | 1.51E-26 |
| chr10 | 23217001 | 23222000 | 2.64E-10 |
| chr10 | 23229001 | 23234000 | 0.001481907 |
| chr10 | 23284001 | 23289000 | 1.81E-05 |
| chr10 | 23285001 | 23290000 | 5.86E-05 |
| chr10 | 23299001 | 23304000 | 0.000407119 |
| chr10 | 23309001 | 23314000 | 1.22E-08 |
| chr10 | 23310001 | 23315000 | 5.74E-08 |
| chr10 | 23380001 | 23385000 | 6.77E-22 |
| chr10 | 23495001 | 23500000 | 2.64E-05 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr10      | 23574001       | 23579000     | 0.000651734 |
| chr10      | 23616001       | 23621000     | 6.82E-08   |
| chr10      | 23617001       | 23622000     | 1.32E-08   |
| chr10      | 23618001       | 23623000     | 8.60E-14   |
| chr10      | 23619001       | 23624000     | 1.16E-16   |
| chr10      | 23620001       | 23625000     | 1.07E-26   |
| chr10      | 23623001       | 23628000     | 1.00E-07   |
| chr10      | 23624001       | 23629000     | 1.71E-07   |
| chr10      | 23625001       | 23630000     | 1.26E-06   |
| chr10      | 23633001       | 23638000     | 8.09E-08   |
| chr10      | 23636001       | 23641000     | 0.001616371 |
| chr10      | 23673001       | 23678000     | 7.78E-05   |
| chr10      | 23674001       | 23679000     | 0.000132697 |
| chr10      | 23723001       | 23728000     | 5.64E-41   |
| chr10      | 23741001       | 23746000     | 0.000175092 |
| chr10      | 23877001       | 23882000     | 5.61E-07   |
| chr10      | 23899001       | 23904000     | 7.34E-06   |
| chr10      | 23965001       | 23970000     | 6.84E-06   |
| chr10      | 23966001       | 23971000     | 2.22E-05   |
| chr10      | 23990001       | 23995000     | 8.36E-08   |
| chr10      | 24007001       | 24012000     | 6.94E-05   |
| chr10      | 24008001       | 24013000     | 6.14E-05   |
| chr10      | 24087001       | 24092000     | 0.00151938 |
| chr10      | 24301001       | 24306000     | 0.002339359 |
| chr10      | 24302001       | 24307000     | 0.002642359 |
| chr10      | 24334001       | 24339000     | 0.00319605 |
| chr10      | 24335001       | 24340000     | 0.000102653 |
| chr10      | 24336001       | 24341000     | 2.76E-05   |
| chr10      | 24337001       | 24342000     | 6.78E-07   |
| chr10      | 24338001       | 24343000     | 8.37E-08   |
| chr10      | 24339001       | 24344000     | 0.000408421 |
| chr10      | 24349001       | 24354000     | 2.21E-09   |
| chr10      | 24350001       | 24355000     | 4.93E-09   |
| chr10      | 24351001       | 24356000     | 3.51E-09   |
| chr10      | 24431001       | 24436000     | 0.003780647 |
| chr10      | 24467001       | 24472000     | 0.002531814 |
| chr10      | 24468001       | 24473000     | 0.00459166 |
| chr10      | 24493001       | 24498000     | 1.16E-15   |
| chr10      | 25011001       | 25016000     | 1.60E-17   |
| chr10      | 25012001       | 25017000     | 2.03E-18   |
| chr10      | 25237001       | 25242000     | 2.37E-25   |
| chr10      | 25240001       | 25245000     | 8.31E-23   |
| chr10      | 25241001       | 25246000     | 6.09E-23   |
| chr10      | 25302001       | 25307000     | 2.31E-38   |
| chr10      | 25303001       | 25308000     | 5.43E-39   |
| chr10      | 25305001       | 25310000     | 6.38E-35   |
| chr10      | 25306001       | 25311000     | 1.66E-35   |
| chr10  | start   | end     | p_value     |
|--------|---------|---------|-------------|
| chr10  | 25573001 | 25578000 | 0.000189845 |
| chr10  | 26309001 | 26314000 | 0.000118304 |
| chr10  | 26334001 | 26339000 | 1.17E-05     |
| chr10  | 26404001 | 26409000 | 0.00693439   |
| chr10  | 26431001 | 26436000 | 7.72E-07     |
| chr10  | 26432001 | 26437000 | 7.98E-08     |
| chr10  | 26434001 | 26439000 | 1.16E-05     |
| chr10  | 26435001 | 26440000 | 1.02E-05     |
| chr10  | 26493001 | 26498000 | 1.17E-05     |
| chr10  | 26579001 | 26584000 | 7.93E-08     |
| chr10  | 26580001 | 26585000 | 3.32E-07     |
| chr10  | 26807001 | 26812000 | 0.001749475  |
| chr10  | 26808001 | 26813000 | 1.47E-06     |
| chr10  | 26852001 | 26857000 | 1.35E-10     |
| chr10  | 26853001 | 26858000 | 4.55E-10     |
| chr10  | 26854001 | 26859000 | 6.34E-15     |
| chr10  | 26855001 | 26860000 | 1.05E-19     |
| chr10  | 26856001 | 26861000 | 1.13E-21     |
| chr10  | 26911001 | 26916000 | 1.34E-20     |
| chr10  | 26982001 | 26987000 | 2.06E-53     |
| chr10  | 26984001 | 26989000 | 1.95E-61     |
| chr10  | 27250001 | 27255000 | 2.00E-05     |
| chr10  | 27385001 | 27390000 | 4.31E-41     |
| chr10  | 27386001 | 27391000 | 1.33E-38     |
| chr10  | 27387001 | 27392000 | 2.31E-18     |
| chr10  | 27388001 | 27393000 | 7.52E-13     |
| chr10  | 27444001 | 27449000 | 1.27E-39     |
| chr10  | 27519001 | 27524000 | 5.75E-07     |
| chr10  | 27520001 | 27525000 | 1.54E-05     |
| chr10  | 27521001 | 27526000 | 4.09E-05     |
| chr10  | 27530001 | 27535000 | 9.80E-16     |
| chr10  | 27547001 | 27552000 | 2.83E-27     |
| chr10  | 27550001 | 27555000 | 3.12E-05     |
| chr10  | 27577001 | 27582000 | 0.000265127  |
| chr10  | 27578001 | 27583000 | 0.000241644  |
| chr10  | 27621001 | 27626000 | 0.016388913  |
| chr10  | 27789001 | 27794000 | 5.07E-20     |
| chr10  | 27790001 | 27795000 | 9.85E-15     |
| chr10  | 27977001 | 27982000 | 1.94E-08     |
| chr10  | 27978001 | 27983000 | 1.49E-07     |
| chr10  | 27979001 | 27984000 | 2.12E-06     |
| chr10  | 28037001 | 28042000 | 0.002553929  |
| chr10  | 28057001 | 28062000 | 3.11E-17     |
| chr10  | 28058001 | 28063000 | 1.59E-24     |
| chr10  | 28059001 | 28064000 | 1.43E-15     |
| chr10  | 28081001 | 28086000 | 0.000143303  |
| chr10  | 28186001 | 28191000 | 9.19E-13     |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr10      | 28213001       | 28218000     | 0.000555256 |
| chr10      | 28259001       | 28264000     | 0.000155772 |
| chr10      | 28260001       | 28265000     | 6.20E-08  |
| chr10      | 28283001       | 28288000     | 5.62E-26  |
| chr10      | 28284001       | 28289000     | 5.70E-23  |
| chr10      | 28285001       | 28290000     | 1.23E-18  |
| chr10      | 28325001       | 28330000     | 0.001703619 |
| chr10      | 28326001       | 28331000     | 0.000778696 |
| chr10      | 28358001       | 28363000     | 7.31E-07  |
| chr10      | 28360001       | 28365000     | 6.35E-10  |
| chr10      | 28361001       | 28366000     | 7.46E-14  |
| chr10      | 28362001       | 28367000     | 1.23E-14  |
| chr10      | 28363001       | 28368000     | 7.05E-12  |
| chr10      | 28364001       | 28369000     | 7.39E-12  |
| chr10      | 28390001       | 28395000     | 0.000250501 |
| chr10      | 28391001       | 28396000     | 0.000110101 |
| chr10      | 28392001       | 28397000     | 3.47E-06  |
| chr10      | 28431001       | 28436000     | 2.16E-08  |
| chr10      | 28433001       | 28438000     | 2.63E-10  |
| chr10      | 28442001       | 28447000     | 1.33E-07  |
| chr10      | 28451001       | 28456000     | 6.32E-09  |
| chr10      | 28479001       | 28484000     | 4.35E-09  |
| chr10      | 28480001       | 28485000     | 1.10E-08  |
| chr10      | 28481001       | 28486000     | 4.96E-12  |
| chr10      | 28482001       | 28487000     | 4.35E-12  |
| chr10      | 28483001       | 28488000     | 3.45E-10  |
| chr10      | 28484001       | 28489000     | 3.16E-08  |
| chr10      | 28485001       | 28490000     | 2.72E-13  |
| chr10      | 28488001       | 28493000     | 3.30E-07  |
| chr10      | 28580001       | 28585000     | 8.07E-10  |
| chr10      | 28587001       | 28592000     | 9.40E-23  |
| chr10      | 28817001       | 28822000     | 1.95E-44  |
| chr10      | 28818001       | 28823000     | 4.77E-29  |
| chr10      | 28961001       | 28966000     | 1.17E-15  |
| chr10      | 28962001       | 28967000     | 7.25E-32  |
| chr10      | 29694001       | 29699000     | 3.45E-67  |
| chr10      | 29695001       | 29700000     | 7.35E-56  |
| chr10      | 29696001       | 29701000     | 3.23E-33  |
| chr10      | 29697001       | 29702000     | 1.10E-17  |
| chr10      | 29698001       | 29703000     | 1.22E-18  |
| chr10      | 30020001       | 30025000     | 2.77E-40  |
| chr10      | 30021001       | 30026000     | 1.12E-35  |
| chr10      | 30022001       | 30027000     | 4.47E-21  |
| chr10      | 30025001       | 30030000     | 2.19E-13  |
| chr10      | 30343001       | 30348000     | 3.16E-11  |
| chr10      | 30344001       | 30349000     | 8.81E-28  |
| chr10      | 30345001       | 30350000     | 3.40E-34  |
| chr10      | 30346001       | 30351000     | 2.46E-26  |
| Chromosome | Start   | End     | P-value   |
|------------|---------|---------|-----------|
| chr10      | 3037000 | 3035200 | 2.32E-22  |
| chr10      | 3067800 | 3068300 | 5.26E-14  |
| chr10      | 3067900 | 3068400 | 5.12E-13  |
| chr10      | 3072500 | 3073000 | 5.36E-05  |
| chr10      | 3073800 | 3074300 | 9.83E-06  |
| chr10      | 3116200 | 3116700 | 0.0057259 |
| chr10      | 3119300 | 3119800 | 5.10E-08  |
| chr10      | 3121300 | 3121800 | 0.0154984 |
| chr10      | 3131600 | 3132100 | 3.92E-38  |
| chr10      | 3131700 | 3132200 | 1.35E-22  |
| chr10      | 3137600 | 3138100 | 0.0046075 |
| chr10      | 3151400 | 3151900 | 0.0020876 |
| chr10      | 3160300 | 3160800 | 4.99E-61  |
| chr10      | 3160400 | 3160900 | 1.74E-84  |
| chr10      | 3188800 | 3189300 | 0.0016094 |
| chr10      | 3189000 | 3189500 | 1.89E-22  |
| chr10      | 3189100 | 3189600 | 9.34E-21  |
| chr10      | 3189200 | 3189700 | 1.93E-29  |
| chr10      | 3204500 | 3205000 | 7.92E-38  |
| chr10      | 3204600 | 3205100 | 9.89E-29  |
| chr10      | 3204700 | 3205200 | 5.56E-34  |
| chr10      | 3263100 | 3263600 | 7.19E-58  |
| chr10      | 3263200 | 3263700 | 6.56E-50  |
| chr10      | 3263500 | 3264000 | 2.73E-52  |
| chr10      | 3280700 | 3281200 | 0.0031257 |
| chr10      | 3281500 | 3282000 | 2.21E-07  |
| chr10      | 3281700 | 3282200 | 0.0050813 |
| chr10      | 3281800 | 3282300 | 0.0005015 |
| chr10      | 3281900 | 3282400 | 0.0005065 |
| chr10      | 3296100 | 3296600 | 1.21E-05  |
| chr10      | 3324700 | 3325200 | 7.72E-38  |
| chr10      | 3361500 | 3362000 | 4.11E-09  |
| chr10      | 3361600 | 3362100 | 1.44E-08  |
| chr10      | 3361700 | 3362200 | 7.87E-08  |
| chr10      | 3362300 | 3362800 | 4.17E-31  |
| chr10      | 3362400 | 3362900 | 3.74E-44  |
| chr10      | 3362500 | 3363000 | 5.31E-47  |
| chr10      | 3379100 | 3379600 | 1.62E-06  |
| chr10      | 3394700 | 3395200 | 7.71E-14  |
| chr10      | 3534100 | 3534600 | 1.18E-06  |
| chr10      | 3562100 | 3562600 | 1.57E-56  |
| chr10      | 3562200 | 3562700 | 2.59E-40  |
| chr10      | 3562300 | 3562800 | 3.14E-56  |
| chr10      | 3562400 | 3562900 | 6.63E-51  |
| chr10      | 3562500 | 3563000 | 2.73E-65  |
| chr10      | 3562600 | 3563100 | 2.08E-26  |
| chr10      | 3592500 | 3593000 | 5.58E-22  |
| chr10      | 3592600 | 3593100 | 4.64E-32  |
| Chr  | Start (1-based) | End (1-based) | p-value   |
|------|----------------|---------------|-----------|
| chr10| 35927001       | 35932000      | 1.23E-17  |
| chr10| 36125001       | 36130000      | 4.90E-05  |
| chr10| 36318001       | 36323000      | 0.002452126 |
| chr10| 36320001       | 36325000      | 1.02E-08  |
| chr10| 36420001       | 36425000      | 0.005490341 |
| chr10| 36421001       | 36426000      | 0.00513393 |
| chr10| 37286001       | 37291000      | 5.95E-06  |
| chr10| 37575001       | 37580000      | 0.00254722 |
| chr10| 37659001       | 37664000      | 1.74E-07  |
| chr10| 37681001       | 37686000      | 3.41E-07  |
| chr10| 37845001       | 37850000      | 0.000126011 |
| chr10| 37909001       | 37914000      | 8.83E-07  |
| chr10| 37910001       | 37915000      | 1.19E-08  |
| chr10| 37911001       | 37916000      | 1.69E-09  |
| chr10| 38031001       | 38036000      | 8.00E-05  |
| chr10| 38049001       | 38054000      | 0.000694188 |
| chr10| 38141001       | 38146000      | 2.00E-10  |
| chr10| 38142001       | 38147000      | 1.26E-69  |
| chr10| 38143001       | 38148000      | 1.55E-39  |
| chr10| 38211001       | 38216000      | 3.91E-07  |
| chr10| 38383001       | 38388000      | 6.54E-19  |
| chr10| 38459001       | 38464000      | 0.001001563 |
| chr10| 38463001       | 38468000      | 0.000935901 |
| chr10| 38464001       | 38469000      | 0.001700798 |
| chr10| 38490001       | 38495000      | 9.89E-06  |
| chr10| 38570001       | 38575000      | 0.000813783 |
| chr10| 38615001       | 38620000      | 4.36E-08  |
| chr10| 38617001       | 38622000      | 2.44E-07  |
| chr10| 38687001       | 38692000      | 1.41E-32  |
| chr10| 38707001       | 38712000      | 3.48E-07  |
| chr10| 38708001       | 38713000      | 2.45E-07  |
| chr10| 38762001       | 38767000      | 0.000706507 |
| chr10| 38782001       | 38787000      | 0.000147301 |
| chr10| 38786001       | 38791000      | 5.50E-06  |
| chr10| 38787001       | 38792000      | 1.47E-07  |
| chr10| 38788001       | 38793000      | 2.66E-10  |
| chr10| 38790001       | 38795000      | 4.65E-07  |
| chr10| 38791001       | 38796000      | 2.88E-06  |
| chr10| 38792001       | 38797000      | 0.000214998 |
| chr10| 38812001       | 38817000      | 2.56E-29  |
| chr10| 39078001       | 39083000      | 8.89E-11  |
| chr10| 39079001       | 39084000      | 8.34E-11  |
| chr10| 39104001       | 39109000      | 5.90E-09  |
| chr10| 39105001       | 39110000      | 1.82E-08  |
| chr10| 39107001       | 39112000      | 5.97E-08  |
| chr10| 39129001       | 39134000      | 0.000532383 |
| chr10| 39141001       | 39146000      | 1.69E-08  |
| Chr  | Start | End   | P-value |
|------|-------|-------|---------|
| chr10| 39142001 | 39147000 | 3.95E-08 |
| chr10| 39143001 | 39148000 | 4.67E-08 |
| chr10| 39144001 | 39149000 | 2.18E-08 |
| chr10| 39145001 | 39150000 | 0.00168263 |
| chr10| 42361001 | 42366000 | 6.15E-26 |
| chr10| 42362001 | 42367000 | 4.48E-27 |
| chr10| 42363001 | 42368000 | 5.45E-32 |
| chr10| 42364001 | 42369000 | 3.05E-29 |
| chr10| 42368001 | 42373000 | 1.37E-21 |
| chr10| 42369001 | 42374000 | 2.56E-20 |
| chr10| 42798001 | 42803000 | 2.76E-08 |
| chr10| 42799001 | 42804000 | 1.20E-08 |
| chr10| 42800001 | 42805000 | 2.17E-09 |
| chr10| 42801001 | 42806000 | 4.97E-09 |
| chr10| 42868001 | 42873000 | 1.09E-05 |
| chr10| 43043001 | 43048000 | 2.68E-14 |
| chr10| 43129001 | 43134000 | 1.20E-13 |
| chr10| 43276001 | 43281000 | 1.12E-30 |
| chr10| 43277001 | 43282000 | 3.92E-46 |
| chr10| 43278001 | 43283000 | 3.48E-46 |
| chr10| 43424001 | 43429000 | 1.01E-08 |
| chr10| 43629001 | 43634000 | 2.98E-18 |
| chr10| 43930001 | 43935000 | 5.36E-07 |
| chr10| 43931001 | 43936000 | 3.67E-15 |
| chr10| 43932001 | 43937000 | 1.14E-16 |
| chr10| 43949001 | 43954000 | 1.62E-19 |
| chr10| 43950001 | 43955000 | 4.39E-20 |
| chr10| 43951001 | 43956000 | 2.64E-29 |
| chr10| 44036001 | 44041000 | 1.32E-07 |
| chr10| 44037001 | 44042000 | 3.86E-06 |
| chr10| 44038001 | 44043000 | 5.37E-08 |
| chr10| 44039001 | 44044000 | 3.79E-06 |
| chr10| 44056001 | 44061000 | 0.00609541 |
| chr10| 44098001 | 44103000 | 9.79E-12 |
| chr10| 44099001 | 44104000 | 1.28E-26 |
| chr10| 44100001 | 44105000 | 4.02E-27 |
| chr10| 44101001 | 44106000 | 4.94E-26 |
| chr10| 44102001 | 44107000 | 6.14E-28 |
| chr10| 44129001 | 44134000 | 0.000362535 |
| chr10| 44130001 | 44135000 | 0.000984434 |
| chr10| 44140001 | 44145000 | 5.89E-14 |
| chr10| 44141001 | 44146000 | 1.55E-21 |
| chr10| 44142001 | 44147000 | 1.29E-23 |
| chr10| 44143001 | 44148000 | 3.69E-37 |
| chr10| 44144001 | 44149000 | 8.07E-42 |
| chr10| 44256001 | 44261000 | 0.00173207 |
| chr10| 44590001 | 44595000 | 2.19E-08 |
| chr10| 44723001 | 44728000 | 1.17E-05 |
| chr10 | 44765001 | 44770000 | 2.39E-06 |
|-------|---------|---------|----------|
| chr10 | 44766001 | 44771000 | 4.58E-07 |
| chr10 | 44767001 | 44772000 | 0.000147102 |
| chr10 | 44768001 | 44773000 | 1.69E-05 |
| chr10 | 44858001 | 44863000 | 4.68E-07 |
| chr10 | 44875001 | 44880000 | 5.55E-14 |
| chr10 | 44876001 | 44881000 | 2.47E-12 |
| chr10 | 44882001 | 44887000 | 9.51E-08 |
| chr10 | 44948001 | 44953000 | 1.89E-05 |
| chr10 | 44949001 | 44954000 | 7.98E-11 |
| chr10 | 45017001 | 45022000 | 2.70E-07 |
| chr10 | 45018001 | 45023000 | 1.46E-05 |
| chr10 | 45162001 | 45167000 | 1.89E-05 |
| chr10 | 45163001 | 45168000 | 6.32E-06 |
| chr10 | 45188001 | 45193000 | 0.000142399 |
| chr10 | 45189001 | 45194000 | 1.21E-05 |
| chr10 | 45222001 | 45227000 | 0.00049478 |
| chr10 | 45328001 | 45333000 | 5.51E-07 |
| chr10 | 45336001 | 45341000 | 1.51E-05 |
| chr10 | 45357001 | 45362000 | 2.98E-13 |
| chr10 | 45358001 | 45363000 | 4.95E-26 |
| chr10 | 45359001 | 45364000 | 1.41E-35 |
| chr10 | 45360001 | 45365000 | 7.35E-37 |
| chr10 | 45362001 | 45367000 | 2.78E-07 |
| chr10 | 45492001 | 45497000 | 1.69E-44 |
| chr10 | 45493001 | 45498000 | 5.00E-50 |
| chr10 | 45494001 | 45499000 | 2.04E-82 |
| chr10 | 45495001 | 45500000 | 6.02E-66 |
| chr10 | 45496001 | 45501000 | 8.61E-76 |
| chr10 | 45532001 | 45537000 | 4.94E-05 |
| chr10 | 45533001 | 45538000 | 5.64E-06 |
| chr10 | 45534001 | 45539000 | 7.25E-07 |
| chr10 | 45594001 | 45599000 | 2.64E-10 |
| chr10 | 45595001 | 45600000 | 4.94E-11 |
| chr10 | 45596001 | 45601000 | 3.41E-09 |
| chr10 | 45723001 | 45728000 | 7.63E-05 |
| chr10 | 45724001 | 45729000 | 0.00012371 |
| chr10 | 45786001 | 45791000 | 0.000308312 |
| chr10 | 45787001 | 45792000 | 3.43E-05 |
| chr10 | 45788001 | 45793000 | 1.12E-06 |
| chr10 | 45789001 | 45794000 | 0.000553273 |
| chr10 | 45790001 | 45795000 | 0.000364451 |
| chr10 | 45791001 | 45796000 | 0.00014079 |
| chr10 | 45792001 | 45797000 | 8.98E-07 |
| chr10 | 45820001 | 45825000 | 1.53E-19 |
| chr10 | 45821001 | 45826000 | 1.78E-15 |
| chr10 | 45831001 | 45836000 | 6.96E-05 |
| chr10 | 45869001 | 45874000 | 8.06E-26 |
| Chr | Start | End | Score |
|-----|-------|-----|-------|
| chr10 | 46085001 | 46090000 | 6.75E-20 |
| chr10 | 46086001 | 46091000 | 5.45E-28 |
| chr10 | 46163001 | 46168000 | 1.48E-37 |
| chr10 | 46164001 | 46169000 | 4.34E-47 |
| chr10 | 46165001 | 46170000 | 1.24E-32 |
| chr10 | 46168001 | 46173000 | 3.75E-06 |
| chr10 | 46218001 | 46223000 | 7.89E-38 |
| chr10 | 46219001 | 46224000 | 6.20E-35 |
| chr10 | 46220001 | 46225000 | 2.30E-56 |
| chr10 | 46221001 | 46226000 | 1.12E-59 |
| chr10 | 46222001 | 46227000 | 1.11E-58 |
| chr10 | 46223001 | 46228000 | 2.21E-20 |
| chr10 | 46524001 | 46529000 | 0.000153185 |
| chr10 | 46525001 | 46530000 | 0.000153185 |
| chr10 | 46526001 | 46531000 | 0.000153185 |
| chr10 | 46947001 | 46952000 | 4.83E-83 |
| chr10 | 46948001 | 46953000 | 3.63E-98 |
| chr10 | 46949001 | 46954000 | 1.68E-69 |
| chr10 | 47147001 | 47152000 | 5.24E-62 |
| chr10 | 47148001 | 47153000 | 1.87E-54 |
| chr10 | 47149001 | 47154000 | 8.66E-32 |
| chr10 | 47545001 | 47550000 | 0.011560292 |
| chr10 | 47546001 | 47551000 | 3.35E-05 |
| chr10 | 47547001 | 47552000 | 0.001843168 |
| chr10 | 47650001 | 47655000 | 6.12E-36 |
| chr10 | 47651001 | 47656000 | 1.67E-30 |
| chr10 | 47652001 | 47657000 | 2.41E-33 |
| chr10 | 47654001 | 47659000 | 6.11E-26 |
| chr10 | 47656001 | 47661000 | 1.16E-10 |
| chr10 | 48435001 | 48440000 | 4.12E-12 |
| chr10 | 48436001 | 48441000 | 8.76E-07 |
| chr10 | 48437001 | 48442000 | 1.26E-07 |
| chr10 | 48948001 | 48953000 | 5.93E-06 |
| chr10 | 48949001 | 48954000 | 1.92E-06 |
| chr10 | 48950001 | 48955000 | 0.000256368 |
| chr10 | 49233001 | 49238000 | 0.002316137 |
| chr10 | 49510001 | 49515000 | 1.92E-53 |
| chr10 | 49511001 | 49516000 | 7.98E-70 |
| chr10 | 49512001 | 49517000 | 1.45E-114 |
| chr10 | 49513001 | 49518000 | 1.47E-113 |
| chr10 | 49514001 | 49519000 | 2.04E-74 |
| chr10 | 49515001 | 49520000 | 6.32E-77 |
| chr10 | 49520001 | 49525000 | 0.000821385 |
| chr10 | 49729001 | 49734000 | 8.19E-13 |
| chr10 | 50708001 | 50713000 | 0.003043657 |
| chr10 | 50876001 | 50881000 | 1.11E-06 |
| chr10 | 50877001 | 50882000 | 2.21E-08 |
| Chr  | Start | End  | p-value       |
|------|-------|------|---------------|
| chr10| 53259001 | 53264000 | 6.10E-06 |
| chr10| 53260001 | 53265000 | 0.00219481 |
| chr10| 53612001 | 53617000 | 0.00015705 |
| chr10| 53613001 | 53618000 | 7.43E-05 |
| chr10| 53614001 | 53619000 | 0.00105279 |
| chr10| 53622001 | 53627000 | 0.00117673 |
| chr10| 53650001 | 53655000 | 0.01103227 |
| chr10| 53736001 | 53741000 | 5.28E-06 |
| chr10| 53737001 | 53742000 | 2.55E-06 |
| chr10| 53738001 | 53743000 | 2.27E-08 |
| chr10| 53739001 | 53744000 | 9.02E-10 |
| chr10| 53741001 | 53746000 | 1.25E-09 |
| chr10| 53758001 | 53763000 | 0.00211534 |
| chr10| 53761001 | 53766000 | 0.000845095 |
| chr10| 53762001 | 53767000 | 5.75E-05 |
| chr10| 53763001 | 53768000 | 0.001049472 |
| chr10| 53764001 | 53769000 | 0.001433127 |
| chr10| 53885001 | 53890000 | 0.000819815 |
| chr10| 53886001 | 53891000 | 3.00E-05 |
| chr10| 54004001 | 54009000 | 8.28E-06 |
| chr10| 54074001 | 54079000 | 1.21E-06 |
| chr10| 54153001 | 54158000 | 0.003243088 |
| chr10| 54203001 | 54208000 | 0.017097135 |
| chr10| 54252001 | 54257000 | 3.81E-06 |
| chr10| 54253001 | 54258000 | 4.36E-05 |
| chr10| 54295001 | 54300000 | 0.001610715 |
| chr10| 54296001 | 54301000 | 0.000696714 |
| chr10| 54297001 | 54302000 | 0.000216913 |
| chr10| 55400001 | 55405000 | 0.000166277 |
| chr10| 55401001 | 55406000 | 0.000312926 |
| chr10| 55965001 | 55970000 | 5.05E-05 |
| chr10| 55966001 | 55971000 | 4.78E-05 |
| chr10| 55967001 | 55972000 | 0.00150612 |
| chr10| 56027001 | 56032000 | 7.07E-06 |
| chr10| 56028001 | 56033000 | 1.47E-06 |
| chr10| 56029001 | 56034000 | 0.00149204 |
| chr10| 56030001 | 56035000 | 0.000297731 |
| chr10| 56031001 | 56036000 | 0.000174487 |
| chr10| 56283001 | 56288000 | 0.014572343 |
| chr10| 56702001 | 56707000 | 0.006891406 |
| chr10| 56815001 | 56820000 | 0.00312926 |
| chr10| 56840001 | 56845000 | 0.017646859 |
| chr10| 57141001 | 57146000 | 0.001621697 |
| chr10| 57583001 | 57588000 | 0.02427509 |
| chr10| 57940001 | 57945000 | 0.005091077 |
| chr10| 58446001 | 58451000 | 0.000994501 |
| chr10| 58667001 | 58672000 | 1.22E-05 |
| chr10| 58691001 | 58696000 | 1.06E-05 |
| Chromosome | Start | End | Value |
|------------|-------|-----|-------|
| chr10      | 58692001 | 58697000 | 0.00020101 |
| chr10      | 58694001 | 58699000 | 0.002410176 |
| chr10      | 58712001 | 58717000 | 0.003375082 |
| chr10      | 58713001 | 58718000 | 0.001032266 |
| chr10      | 58815001 | 58820000 | 2.04E-09 |
| chr10      | 58816001 | 58821000 | 7.89E-10 |
| chr10      | 58847001 | 58852000 | 0.005743115 |
| chr10      | 59013001 | 59018000 | 6.04E-06 |
| chr10      | 59406001 | 59411000 | 2.94E-06 |
| chr10      | 59407001 | 59412000 | 8.07E-06 |
| chr10      | 59408001 | 59413000 | 8.93E-06 |
| chr10      | 60094001 | 60099000 | 2.65E-18 |
| chr10      | 60095001 | 60100000 | 6.79E-18 |
| chr10      | 60145001 | 60150000 | 1.04E-42 |
| chr10      | 60391001 | 60936000 | 2.09E-20 |
| chr10      | 60932001 | 60937000 | 1.01E-48 |
| chr10      | 60954001 | 60959000 | 6.54E-06 |
| chr10      | 61122001 | 61127000 | 7.99E-22 |
| chr10      | 61160001 | 61165000 | 0.003148607 |
| chr10      | 61280001 | 61285000 | 0.002700198 |
| chr10      | 61464001 | 61469000 | 7.80E-16 |
| chr10      | 61465001 | 61470000 | 4.88E-23 |
| chr10      | 61466001 | 61471000 | 1.24E-14 |
| chr10      | 61467001 | 61472000 | 3.74E-48 |
| chr10      | 61468001 | 61473000 | 4.59E-45 |
| chr10      | 61469001 | 61474000 | 2.41E-51 |
| chr10      | 62029001 | 62034000 | 0.006367062 |
| chr10      | 62030001 | 62035000 | 0.000777949 |
| chr10      | 62031001 | 62036000 | 0.004085905 |
| chr10      | 62032001 | 62037000 | 0.006486215 |
| chr10      | 62322001 | 62327000 | 0.009538837 |
| chr10      | 62323001 | 62328000 | 0.010660355 |
| chr10      | 62492001 | 62497000 | 2.19E-26 |
| chr10      | 62493001 | 62498000 | 1.86E-28 |
| chr10      | 62704001 | 62709000 | 8.20E-19 |
| chr10      | 62758001 | 62763000 | 6.78E-30 |
| chr10      | 62759001 | 62764000 | 6.19E-26 |
| chr10      | 62761001 | 62766000 | 2.51E-26 |
| chr10      | 62973001 | 62978000 | 0.002172179 |
| chr10      | 62974001 | 62979000 | 0.000235963 |
| chr10      | 63171001 | 63176000 | 0.005382874 |
| chr10      | 63172001 | 63177000 | 0.037006064 |
| chr10      | 63418001 | 63423000 | 8.84E-21 |
| chr10      | 63419001 | 63424000 | 4.20E-20 |
| chr10      | 63420001 | 63425000 | 4.78E-33 |
| chr10      | 63421001 | 63426000 | 6.84E-35 |
| chr10      | 63422001 | 63427000 | 1.67E-34 |
| chr10      | 64023001 | 64028000 | 7.80E-08 |
| Chromosome | Start | End   | P-value     |
|------------|-------|-------|-------------|
| chr10      | 64026001 | 64031000 | 8.66E-25    |
| chr10      | 64027001 | 64032000 | 7.49E-27    |
| chr10      | 64028001 | 64033000 | 2.60E-28    |
| chr10      | 64080001 | 64085000 | 5.30E-06    |
| chr10      | 64081001 | 64086000 | 1.56E-06    |
| chr10      | 64082001 | 64087000 | 9.39E-07    |
| chr10      | 64129001 | 64134000 | 2.48E-07    |
| chr10      | 64130001 | 64135000 | 7.56E-09    |
| chr10      | 64131001 | 64136000 | 1.57E-16    |
| chr10      | 64132001 | 64137000 | 5.43E-19    |
| chr10      | 64133001 | 64138000 | 6.79E-30    |
| chr10      | 64134001 | 64139000 | 2.30E-26    |
| chr10      | 64401001 | 64406000 | 0.00100426  |
| chr10      | 64402001 | 64407000 | 0.000226536 |
| chr10      | 64533001 | 64538000 | 0.000240384 |
| chr10      | 64534001 | 64539000 | 4.86E-05    |
| chr10      | 64535001 | 64540000 | 5.70E-05    |
| chr10      | 64536001 | 64541000 | 1.98E-05    |
| chr10      | 64560001 | 64565000 | 4.03E-36    |
| chr10      | 64562001 | 64567000 | 8.67E-56    |
| chr10      | 64563001 | 64568000 | 4.51E-41    |
| chr10      | 64564001 | 64569000 | 2.74E-47    |
| chr10      | 64565001 | 64570000 | 4.25E-43    |
| chr10      | 64571001 | 64576000 | 2.74E-08    |
| chr10      | 64780001 | 64785000 | 0.000184588 |
| chr10      | 64781001 | 64786000 | 2.75E-05    |
| chr10      | 64782001 | 64787000 | 9.10E-06    |
| chr10      | 64797001 | 64802000 | 4.87E-05    |
| chr10      | 64889001 | 64894000 | 3.82E-15    |
| chr10      | 64890001 | 64895000 | 5.38E-14    |
| chr10      | 64891001 | 64896000 | 3.00E-18    |
| chr10      | 64892001 | 64897000 | 4.60E-20    |
| chr10      | 64893001 | 64898000 | 5.20E-13    |
| chr10      | 65220001 | 65225000 | 2.01E-39    |
| chr10      | 65221001 | 65226000 | 5.36E-112   |
| chr10      | 65222001 | 65227000 | 4.70E-91    |
| chr10      | 65223001 | 65228000 | 8.75E-86    |
| chr10      | 65224001 | 65229000 | 1.30E-62    |
| chr10      | 65225001 | 65230000 | 6.46E-72    |
| chr10      | 65592001 | 65597000 | 1.94E-11    |
| chr10      | 65593001 | 65598000 | 6.41E-11    |
| chr10      | 65626001 | 65631000 | 7.21E-08    |
| chr10      | 65671001 | 65676000 | 0.000136575 |
| chr10      | 65672001 | 65677000 | 1.13E-06    |
| chr10      | 65684001 | 65689000 | 2.67E-12    |
| chr10      | 65685001 | 65690000 | 1.19E-09    |
| chr10      | 65686001 | 65691000 | 9.62E-08    |
| chr10      | 65808001 | 65813000 | 0.001549814 |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr10      | 65904001 | 65909000 | 1.90E-05 |
| chr10      | 65905001 | 65910000 | 0.0009465 |
| chr10      | 65910001 | 65915000 | 0.000422454 |
| chr10      | 65940001 | 65945000 | 0.001026001 |
| chr10      | 65941001 | 65946000 | 0.003205323 |
| chr10      | 66100001 | 66105000 | 0.000121146 |
| chr10      | 66101001 | 66106000 | 9.48E-05 |
| chr10      | 66103001 | 66108000 | 1.21E-05 |
| chr10      | 66104001 | 66109000 | 6.30E-05 |
| chr10      | 66136001 | 66141000 | 0.001837192 |
| chr10      | 66144001 | 66149000 | 3.22E-05 |
| chr10      | 66145001 | 66150000 | 3.50E-06 |
| chr10      | 66194001 | 66199000 | 3.59E-05 |
| chr10      | 66195001 | 66200000 | 1.22E-08 |
| chr10      | 66233001 | 66238000 | 0.002730448 |
| chr10      | 66381001 | 66386000 | 0.001951811 |
| chr10      | 66453001 | 66458000 | 5.75E-05 |
| chr10      | 66454001 | 66459000 | 0.000175357 |
| chr10      | 66864001 | 66869000 | 7.34E-05 |
| chr10      | 66989001 | 66994000 | 3.56E-06 |
| chr10      | 67326001 | 67331000 | 3.81E-06 |
| chr10      | 67763001 | 67768000 | 5.21E-05 |
| chr10      | 67764001 | 67769000 | 9.65E-06 |
| chr10      | 67765001 | 67770000 | 2.41E-05 |
| chr10      | 67784001 | 67789000 | 1.47E-05 |
| chr10      | 67785001 | 67790000 | 0.000189261 |
| chr10      | 67786001 | 67791000 | 8.37E-05 |
| chr10      | 67787001 | 67792000 | 0.000799017 |
| chr10      | 67788001 | 67793000 | 0.000170797 |
| chr10      | 67817001 | 67822000 | 0.003321431 |
| chr10      | 68032001 | 68037000 | 0.014883191 |
| chr10      | 68148001 | 68153000 | 0.001281807 |
| chr10      | 68149001 | 68154000 | 0.001121246 |
| chr10      | 68150001 | 68155000 | 0.003883895 |
| chr10      | 68151001 | 68156000 | 0.005514594 |
| chr10      | 68152001 | 68157000 | 0.000169167 |
| chr10      | 68269001 | 68274000 | 3.38E-05 |
| chr10      | 68270001 | 68275000 | 0.000221569 |
| chr10      | 68271001 | 68276000 | 0.001066706 |
| chr10      | 68272001 | 68277000 | 0.002925619 |
| chr10      | 68342001 | 68347000 | 0.002607797 |
| chr10      | 68374001 | 68379000 | 1.25E-07 |
| chr10      | 68619001 | 68624000 | 9.42E-06 |
| chr10      | 68629001 | 68634000 | 0.005785487 |
| chr10      | 68682001 | 68687000 | 1.97E-05 |
| chr10      | 68977001 | 68982000 | 5.65E-06 |
| chr10      | 68978001 | 68983000 | 4.01E-05 |
| chr10      | 69021001 | 69026000 | 7.78E-05 |
| Chromosome | Start Base | End Base | p-value  |
|------------|------------|----------|----------|
| chr10      | 69054001   | 69059000 | 5.47E-09 |
| chr10      | 69055001   | 69060000 | 1.27E-08 |
| chr10      | 69150001   | 69155000 | 1.01E-12 |
| chr10      | 69151001   | 69156000 | 3.26E-13 |
| chr10      | 69170001   | 69175000 | 0.000266836 |
| chr10      | 69171001   | 69176000 | 0.000517839 |
| chr10      | 69172001   | 69177000 | 0.000406957 |
| chr10      | 69191001   | 69196000 | 5.38E-05 |
| chr10      | 69192001   | 69197000 | 0.001135647 |
| chr10      | 69194001   | 69199000 | 0.000333367 |
| chr10      | 69248001   | 69253000 | 0.023670231 |
| chr10      | 69323001   | 69328000 | 8.92E-05 |
| chr10      | 69325001   | 69330000 | 1.89E-06 |
| chr10      | 69326001   | 69331000 | 1.89E-06 |
| chr10      | 69453001   | 69458000 | 0.004320082 |
| chr10      | 69470001   | 69475000 | 0.000254919 |
| chr10      | 69471001   | 69476000 | 0.000118275 |
| chr10      | 69472001   | 69477000 | 0.00048498 |
| chr10      | 69640001   | 69645000 | 2.70E-27 |
| chr10      | 69663001   | 69668000 | 0.001019196 |
| chr10      | 69988001   | 69993000 | 1.21E-53 |
| chr10      | 69989001   | 69994000 | 5.78E-50 |
| chr10      | 69990001   | 69995000 | 3.78E-62 |
| chr10      | 69991001   | 69996000 | 1.26E-72 |
| chr10      | 70166001   | 70171000 | 1.14E-15 |
| chr10      | 70167001   | 70172000 | 1.93E-07 |
| chr10      | 70316001   | 70321000 | 4.09E-23 |
| chr10      | 70318001   | 70323000 | 2.15E-32 |
| chr10      | 70319001   | 70324000 | 1.37E-26 |
| chr10      | 70320001   | 70325000 | 2.38E-23 |
| chr10      | 70360001   | 70365000 | 1.88E-05 |
| chr10      | 70657001   | 70662000 | 1.51E-23 |
| chr10      | 70712001   | 70717000 | 3.03E-11 |
| chr10      | 70715001   | 70720000 | 4.56E-36 |
| chr10      | 70716001   | 70721000 | 5.03E-45 |
| chr10      | 70744001   | 70749000 | 4.04E-09 |
| chr10      | 70745001   | 70750000 | 4.57E-10 |
| chr10      | 70746001   | 70751000 | 1.41E-27 |
| chr10      | 70747001   | 70752000 | 3.54E-42 |
| chr10      | 70748001   | 70753000 | 3.29E-44 |
| chr10      | 70749001   | 70754000 | 1.69E-18 |
| chr10      | 71074001   | 71079000 | 2.30E-17 |
| chr10      | 71211001   | 71216000 | 2.19E-12 |
| chr10      | 71389001   | 71394000 | 8.06E-24 |
| chr10      | 71390001   | 71395000 | 6.73E-15 |
| chr10      | 71739001   | 71744000 | 1.31E-06 |
| chr10      | 71808001   | 71813000 | 6.91E-34 |
| chr10      | 71809001   | 71814000 | 1.46E-31 |
| CHR  | START   | END     | p-value       |
|------|---------|---------|---------------|
| chr10| 71812001| 71817000| 2.49E-21      |
| chr10| 71813001| 71818000| 2.66E-24      |
| chr10| 71906001| 71911000| 3.40E-24      |
| chr10| 71930001| 71935000| 5.08E-13      |
| chr10| 71988001| 71993000| 6.47E-29      |
| chr10| 72039001| 72044000| 5.17E-18      |
| chr10| 72041001| 72046000| 7.06E-18      |
| chr10| 72042001| 72047000| 4.12E-12      |
| chr10| 72043001| 72048000| 1.20E-12      |
| chr10| 72159001| 72164000| 5.66E-14      |
| chr10| 72160001| 72165000| 2.65E-35      |
| chr10| 72161001| 72166000| 1.42E-31      |
| chr10| 72428001| 72433000| 2.78E-09      |
| chr10| 72573001| 72578000| 3.18E-15      |
| chr10| 72574001| 72579000| 4.73E-28      |
| chr10| 72575001| 72580000| 6.05E-42      |
| chr10| 72576001| 72581000| 8.58E-20      |
| chr10| 72872001| 72877000| 0.00405239    |
| chr10| 73152001| 73157000| 5.41E-16      |
| chr10| 73644001| 73649000| 2.70E-24      |
| chr10| 73907001| 73912000| 6.75E-10      |
| chr10| 73971001| 73976000| 6.88E-08      |
| chr10| 74028001| 74033000| 2.88E-08      |
| chr10| 74029001| 74034000| 8.63E-17      |
| chr10| 74053001| 74058000| 2.79E-13      |
| chr10| 74054001| 74059000| 3.77E-12      |
| chr10| 74055001| 74060000| 7.57E-13      |
| chr10| 74056001| 74061000| 1.39E-12      |
| chr10| 74057001| 74062000| 8.83E-05      |
| chr10| 74452001| 74457000| 2.14E-25      |
| chr10| 74855001| 74860000| 4.91E-40      |
| chr10| 74856001| 74861000| 6.66E-46      |
| chr10| 74927001| 74932000| 9.08E-19      |
| chr10| 74928001| 74933000| 1.79E-20      |
| chr10| 75012001| 75017000| 1.98E-19      |
| chr10| 75054001| 75059000| 0.00973064    |
| chr10| 75055001| 75060000| 0.00373736    |
| chr10| 75078001| 75083000| 0.002436283   |
| chr10| 75251001| 75256000| 1.74E-14      |
| chr10| 75252001| 75257000| 4.38E-13      |
| chr10| 75385001| 75390000| 2.95E-17      |
| chr10| 75486001| 75491000| 2.98E-19      |
| chr10| 75567001| 75572000| 2.85E-11      |
| chr10| 75568001| 75573000| 1.34E-17      |
| chr10| 75569001| 75574000| 1.09E-11      |
| chr10| 75571001| 75576000| 1.46E-07      |
| chr10| 75629001| 75634000| 5.38E-18      |
| chr10| 75630001| 75635000| 6.03E-30      |
| chr10 | 75631001 | 75636000 | 1.06E-26 |
| chr10 | 75632001 | 75637000 | 8.17E-29 |
| chr10 | 75633001 | 75638000 | 3.18E-27 |
| chr10 | 75634001 | 75639000 | 4.49E-18 |
| chr10 | 75638001 | 75643000 | 1.11E-06 |
| chr10 | 75639001 | 75644000 | 5.20E-09 |
| chr10 | 75692001 | 75697000 | 8.71E-27 |
| chr10 | 75693001 | 75698000 | 7.75E-22 |
| chr10 | 75932001 | 75937000 | 3.03E-29 |
| chr10 | 75933001 | 75938000 | 7.54E-30 |
| chr10 | 75934001 | 75939000 | 7.86E-31 |
| chr10 | 75935001 | 75940000 | 2.86E-44 |
| chr10 | 75936001 | 75941000 | 5.13E-29 |
| chr10 | 75982001 | 75987000 | 0.0000277994 |
| chr10 | 75983001 | 75988000 | 0.001607925 |
| chr10 | 76063001 | 76068000 | 1.45E-05 |
| chr10 | 76064001 | 76069000 | 2.36E-06 |
| chr10 | 76065001 | 76070000 | 2.93E-06 |
| chr10 | 76491001 | 76496000 | 1.55E-06 |
| chr10 | 76492001 | 76497000 | 0.0000122118 |
| chr10 | 76969001 | 76974000 | 8.67E-27 |
| chr10 | 76970001 | 76975000 | 8.71E-27 |
| chr10 | 76994001 | 76999000 | 7.75E-22 |
| chr10 | 76995001 | 77000000 | 9.95E-12 |
| chr10 | 77050001 | 77055000 | 8.75E-10 |
| chr10 | 77152001 | 77157000 | 1.28E-06 |
| chr10 | 77168001 | 77173000 | 8.50E-41 |
| chr10 | 77169001 | 77174000 | 1.11E-35 |
| chr10 | 77190001 | 77195000 | 7.87E-30 |
| chr10 | 77191001 | 77196000 | 6.45E-31 |
| chr10 | 78238001 | 78243000 | 3.25E-05 |
| chr10 | 78381001 | 78386000 | 0.003300526 |
| chr10 | 78551001 | 78556000 | 2.46E-06 |
| chr10 | 78552001 | 78557000 | 9.01E-07 |
| chr10 | 78553001 | 78558000 | 5.29E-06 |
| chr10 | 78800001 | 78805000 | 0.000140041 |
| chr10 | 78801001 | 78806000 | 0.000126622 |
| chr10 | 79392001 | 79397000 | 4.59E-08 |
| chr10 | 79393001 | 79398000 | 5.05E-16 |
| chr10 | 79394001 | 79399000 | 2.82E-08 |
| chr10 | 79682001 | 79687000 | 6.79E-17 |
| chr10 | 79785001 | 79790000 | 9.33E-12 |
| chr10 | 80824001 | 80829000 | 5.39E-10 |
| chr10 | 80828001 | 80833000 | 6.51E-28 |
| chr10 | 80829001 | 80834000 | 1.75E-21 |
| chr10 | 81204001 | 81209000 | 1.46E-12 |
| chr10 | 81205001 | 81210000 | 2.60E-15 |
| chr10 | 81264001 | 81269000 | 2.88E-08 |
| chr10 | 81581001 | 81586000 | 4.40E-18 |
| Chromosome | Start Position | End Position | P-Value   |
|------------|----------------|--------------|-----------|
| chr10      | 81582001       | 81587000     | 2.56E-27  |
| chr10      | 81583001       | 81588000     | 4.28E-25  |
| chr10      | 81584001       | 81589000     | 2.37E-27  |
| chr10      | 81585001       | 81590000     | 3.80E-29  |
| chr10      | 81586001       | 81591000     | 5.40E-29  |
| chr10      | 81660001       | 81665000     | 1.94E-13  |
| chr10      | 81661001       | 81666000     | 1.19E-09  |
| chr10      | 81662001       | 81667000     | 2.66E-20  |
| chr10      | 81663001       | 81668000     | 3.11E-20  |
| chr10      | 81664001       | 81669000     | 7.32E-22  |
| chr10      | 81665001       | 81670000     | 3.49E-12  |
| chr10      | 81726001       | 81731000     | 0.000134532 |
| chr10      | 81834001       | 81839000     | 1.22E-23  |
| chr10      | 81835001       | 81840000     | 1.13E-13  |
| chr10      | 81888001       | 81893000     | 3.57E-44  |
| chr10      | 81899001       | 81894000     | 1.27E-22  |
| chr10      | 81890001       | 81895000     | 7.06E-22  |
| chr10      | 81891001       | 81896000     | 1.83E-19  |
| chr10      | 82066001       | 82071000     | 1.38E-10  |
| chr10      | 82067001       | 82072000     | 2.40E-11  |
| chr10      | 82069001       | 82074000     | 2.34E-09  |
| chr10      | 82209001       | 82214000     | 8.67E-12  |
| chr10      | 82210001       | 82215000     | 2.91E-09  |
| chr10      | 82396001       | 82401000     | 9.05E-12  |
| chr10      | 82442001       | 82447000     | 3.38E-09  |
| chr10      | 82514001       | 82519000     | 2.37E-07  |
| chr10      | 82525001       | 82530000     | 1.10E-06  |
| chr10      | 82526001       | 82531000     | 2.78E-08  |
| chr10      | 82527001       | 82532000     | 8.71E-08  |
| chr10      | 82528001       | 82533000     | 1.26E-07  |
| chr10      | 82529001       | 82534000     | 0.000113966 |
| chr10      | 82530001       | 82535000     | 3.92E-05  |
| chr10      | 82532001       | 82537000     | 0.000359225 |
| chr10      | 82543001       | 82548000     | 0.003529554 |
| chr10      | 82544001       | 82549000     | 0.000846026 |
| chr10      | 82563001       | 82568000     | 0.000114988 |
| chr10      | 82564001       | 82569000     | 0.000219539 |
| chr10      | 82581001       | 82586000     | 4.92E-12  |
| chr10      | 82582001       | 82587000     | 5.96E-11  |
| chr10      | 82583001       | 82588000     | 8.29E-09  |
| chr10      | 82584001       | 82589000     | 4.70E-14  |
| chr10      | 82585001       | 82590000     | 7.44E-07  |
| chr10      | 82588001       | 82593000     | 4.49E-09  |
| chr10      | 82589001       | 82594000     | 1.30E-09  |
| chr10      | 82593001       | 82598000     | 0.000167696 |
| chr10      | 82595001       | 82600000     | 2.48E-06  |
| chr10      | 82621001       | 82626000     | 2.08E-05  |
| chr10      | 82622001       | 82627000     | 2.49E-14  |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr10      | 82623001 | 82628000 | 4.30E-16  |
| chr10      | 82624001 | 82629000 | 8.81E-14  |
| chr10      | 82625001 | 82630000 | 5.61E-10  |
| chr10      | 82821001 | 82826000 | 0.001716501 |
| chr10      | 82848001 | 82853000 | 1.22E-06  |
| chr10      | 83291001 | 83296000 | 3.00E-10  |
| chr10      | 83317001 | 83322000 | 0.001129172 |
| chr10      | 83318001 | 83323000 | 0.003675479 |
| chr10      | 83354001 | 83359000 | 0.003746037 |
| chr10      | 83396001 | 83401000 | 2.11E-05  |
| chr10      | 83407001 | 83412000 | 4.72E-05  |
| chr10      | 83412001 | 83417000 | 7.12E-08  |
| chr10      | 83413001 | 83418000 | 2.15E-07  |
| chr10      | 83424001 | 83429000 | 0.000314542 |
| chr10      | 83425001 | 83430000 | 2.85E-05  |
| chr10      | 83426001 | 83431000 | 1.83E-06  |
| chr10      | 83427001 | 83432000 | 2.90E-08  |
| chr10      | 83498001 | 83503000 | 8.29E-09  |
| chr10      | 83533001 | 83538000 | 4.83E-09  |
| chr10      | 83534001 | 83539000 | 5.40E-09  |
| chr10      | 83535001 | 83540000 | 7.36E-08  |
| chr10      | 83587001 | 83592000 | 1.06E-09  |
| chr10      | 83588001 | 83593000 | 5.00E-10  |
| chr10      | 83589001 | 83594000 | 1.44E-08  |
| chr10      | 83614001 | 83619000 | 0.000889805 |
| chr10      | 83685001 | 83690000 | 0.002465884 |
| chr10      | 83748001 | 83753000 | 7.41E-05  |
| chr10      | 83756001 | 83761000 | 4.61E-06  |
| chr10      | 83767001 | 83772000 | 7.71E-08  |
| chr10      | 83768001 | 83773000 | 3.87E-06  |
| chr10      | 83867001 | 83872000 | 3.56E-05  |
| chr10      | 83935001 | 83940000 | 0.003764703 |
| chr10      | 83936001 | 83941000 | 0.001409841 |
| chr10      | 83950001 | 83955000 | 0.000234773 |
| chr10      | 84047001 | 84052000 | 2.20E-06  |
| chr10      | 84048001 | 84053000 | 3.28E-05  |
| chr10      | 84199001 | 84204000 | 8.35E-05  |
| chr10      | 84200001 | 84205000 | 1.17E-05  |
| chr10      | 84201001 | 84206000 | 9.56E-05  |
| chr10      | 84202001 | 84207000 | 0.001076483 |
| chr10      | 84240001 | 84245000 | 0.000289592 |
| chr10      | 84277001 | 84282000 | 5.14E-07  |
| chr10      | 84390001 | 84395000 | 0.000370815 |
| chr10      | 84498001 | 84503000 | 0.001701032 |
| chr10      | 84662001 | 84667000 | 0.001595985 |
| chr10      | 84663001 | 84668000 | 0.005708103 |
| chr10      | 84793001 | 84798000 | 0.003443219 |
| chr10      | 84818001 | 84823000 | 8.68E-07  |
| Chr  | Start | End   | p-value     |
|------|-------|-------|-------------|
| chr10| 84864001 | 84869000 | 6.42E-06    |
| chr10| 84865001 | 84870000 | 2.34E-07    |
| chr10| 84866001 | 84871000 | 1.16E-10    |
| chr10| 84867001 | 84872000 | 1.35E-08    |
| chr10| 84868001 | 84873000 | 4.37E-09    |
| chr10| 85585001 | 85590000 | 0.001009408 |
| chr10| 85586001 | 85591000 | 0.000304595 |
| chr10| 85734001 | 85739000 | 1.14E-06    |
| chr10| 85899001 | 85904000 | 1.74E-46    |
| chr10| 86084001 | 86089000 | 2.29E-20    |
| chr10| 86085001 | 86090000 | 6.05E-24    |
| chr10| 86086001 | 86091000 | 7.91E-38    |
| chr10| 86087001 | 86092000 | 1.23E-33    |
| chr10| 86088001 | 86093000 | 3.13E-59    |
| chr10| 86183001 | 86188000 | 0.000265275 |
| chr10| 86184001 | 86189000 | 1.09E-08    |
| chr10| 86298001 | 86303000 | 2.93E-13    |
| chr10| 86684001 | 86689000 | 0.000286475 |
| chr10| 86787001 | 86792000 | 0.001703652 |
| chr10| 86788001 | 86793000 | 0.001300755 |
| chr10| 86890001 | 86895000 | 0.000960192 |
| chr10| 86969001 | 86974000 | 0.001156149 |
| chr10| 86972001 | 86977000 | 4.31E-08    |
| chr10| 87171001 | 87176000 | 9.55E-05    |
| chr10| 87173001 | 87178000 | 1.10E-11    |
| chr10| 87495001 | 87500000 | 1.83E-11    |
| chr10| 87688001 | 87693000 | 1.33E-07    |
| chr10| 87700001 | 87705000 | 2.08E-06    |
| chr10| 87701001 | 87706000 | 1.04E-05    |
| chr10| 88007001 | 88012000 | 0.000477503 |
| chr10| 88031001 | 88036000 | 0.000184131 |
| chr10| 88155001 | 88160000 | 1.16E-17    |
| chr10| 88277001 | 88282000 | 9.33E-55    |
| chr10| 88511001 | 88516000 | 3.94E-10    |
| chr10| 88512001 | 88517000 | 1.62E-14    |
| chr10| 88516001 | 88521000 | 1.96E-34    |
| chr10| 88762001 | 88767000 | 2.57E-05    |
| chr10| 88854001 | 88859000 | 5.29E-36    |
| chr10| 88855001 | 88860000 | 4.39E-20    |
| chr10| 89098001 | 89103000 | 5.29E-40    |
| chr10| 89099001 | 89104000 | 3.10E-71    |
| chr10| 89100001 | 89105000 | 1.40E-70    |
| chr10| 89101001 | 89106000 | 1.46E-67    |
| chr10| 89102001 | 89107000 | 5.83E-72    |
| chr10| 89202001 | 89207000 | 0.030564935 |
| chr10| 89260001 | 89265000 | 7.08E-52    |
| chr10| 89417001 | 89422000 | 3.33E-20    |
| chr10| 89418001 | 89423000 | 1.15E-15    |
| chr10 | Start | End   | Value   |
|-------|-------|-------|---------|
| chr10 | 89419001 | 89424000 | 8.15E-23 |
| chr10 | 89538001 | 89543000 | 5.67E-05 |
| chr10 | 89539001 | 89544000 | 6.37E-05 |
| chr10 | 89578001 | 89583000 | 1.09E-17 |
| chr10 | 89617001 | 89622000 | 1.49E-17 |
| chr10 | 89618001 | 89623000 | 2.04E-31 |
| chr10 | 89619001 | 89624000 | 5.17E-36 |
| chr10 | 90338001 | 90343000 | 4.77E-18 |
| chr10 | 90339001 | 90344000 | 3.12E-29 |
| chr10 | 90340001 | 90345000 | 1.45E-34 |
| chr10 | 90341001 | 90346000 | 1.23E-39 |
| chr10 | 90342001 | 90347000 | 2.56E-29 |
| chr10 | 90343001 | 90348000 | 1.12E-24 |
| chr10 | 90635001 | 90640000 | 1.68E-48 |
| chr10 | 90636001 | 90641000 | 2.02E-84 |
| chr10 | 90637001 | 90642000 | 1.74E-68 |
| chr10 | 90638001 | 90643000 | 9.97E-51 |
| chr10 | 90640001 | 90645000 | 7.70E-53 |
| chr10 | 90900001 | 90905000 | 0.01090766 |
| chr10 | 90903001 | 90908000 | 1.85E-05 |
| chr10 | 90962001 | 90967000 | 2.29E-13 |
| chr10 | 91007001 | 91012000 | 2.19E-15 |
| chr10 | 91170001 | 91175000 | 4.88E-50 |
| chr10 | 91171001 | 91176000 | 5.56E-38 |
| chr10 | 91172001 | 91177000 | 2.86E-32 |
| chr10 | 91173001 | 91178000 | 1.83E-32 |
| chr10 | 91174001 | 91179000 | 1.50E-31 |
| chr10 | 91175001 | 91180000 | 3.05E-15 |
| chr10 | 91295001 | 91300000 | 3.95E-16 |
| chr10 | 91456001 | 91461000 | 6.75E-11 |
| chr10 | 91457001 | 91462000 | 1.34E-43 |
| chr10 | 91515001 | 91520000 | 1.30E-05 |
| chr10 | 91561001 | 91566000 | 0.002748124 |
| chr10 | 91593001 | 91598000 | 2.67E-09 |
| chr10 | 91594001 | 91599000 | 8.62E-06 |
| chr10 | 91595001 | 91600000 | 7.89E-11 |
| chr10 | 91596001 | 91601000 | 1.27E-25 |
| chr10 | 91597001 | 91602000 | 4.09E-39 |
| chr10 | 91764001 | 91769000 | 1.54E-06 |
| chr10 | 91765001 | 91770000 | 1.76E-06 |
| chr10 | 91766001 | 91771000 | 5.26E-06 |
| chr10 | 91767001 | 91772000 | 2.85E-08 |
| chr10 | 91928001 | 91933000 | 0.005786094 |
| chr10 | 92182001 | 92187000 | 2.51E-05 |
| chr10 | 92316001 | 92321000 | 4.87E-05 |
| chr10 | 92361001 | 92366000 | 7.62E-05 |
| chr10 | 92372001 | 92377000 | 3.23E-05 |
| chr10 | 92388001 | 92393000 | 0.000674001 |
| Chromosome | Start | End | P-value  |
|------------|-------|-----|----------|
| chr10      | 9238000 | 9239000 | 4.29E-05 |
| chr10      | 9245800 | 9246300 | 0.001055415 |
| chr10      | 9245900 | 9246400 | 0.000605118 |
| chr10      | 9246000 | 9246500 | 4.42E-05 |
| chr10      | 9248800 | 9249300 | 0.000772598 |
| chr10      | 9248900 | 9249400 | 0.001940514 |
| chr10      | 9254900 | 9255400 | 0.003113236 |
| chr10      | 9255200 | 9255700 | 9.34E-08 |
| chr10      | 9255300 | 9255800 | 3.56E-07 |
| chr10      | 9258100 | 9258600 | 0.001820897 |
| chr10      | 9261300 | 9261800 | 1.58E-22 |
| chr10      | 9261400 | 9261900 | 2.90E-21 |
| chr10      | 9261500 | 9262000 | 2.27E-21 |
| chr10      | 9261700 | 9262200 | 1.05E-17 |
| chr10      | 9263100 | 9263600 | 1.30E-29 |
| chr10      | 9291800 | 9292300 | 1.91E-19 |
| chr10      | 9292100 | 9292600 | 2.76E-36 |
| chr10      | 9292300 | 9292800 | 6.74E-26 |
| chr10      | 9297600 | 9298100 | 6.86E-30 |
| chr10      | 9297700 | 9298200 | 2.57E-26 |
| chr10      | 9297800 | 9298300 | 1.07E-24 |
| chr10      | 9297900 | 9298400 | 5.35E-48 |
| chr10      | 9298000 | 9298500 | 5.37E-48 |
| chr10      | 9305400 | 9305900 | 1.33E-16 |
| chr10      | 9305500 | 9306000 | 4.09E-16 |
| chr10      | 9316500 | 9317000 | 3.69E-39 |
| chr10      | 9316600 | 9317100 | 3.06E-33 |
| chr10      | 9316700 | 9317200 | 4.38E-19 |
| chr10      | 9317000 | 9317500 | 1.16E-07 |
| chr10      | 9355800 | 9356300 | 6.94E-38 |
| chr10      | 9364300 | 9364800 | 5.84E-10 |
| chr10      | 9364400 | 9364900 | 8.23E-23 |
| chr10      | 9364500 | 9365000 | 1.61E-19 |
| chr10      | 9364600 | 9365100 | 3.20E-21 |
| chr10      | 9364700 | 9365200 | 5.78E-19 |
| chr10      | 9367900 | 9368400 | 1.30E-17 |
| chr10      | 9373700 | 9374200 | 0.001657607 |
| chr10      | 9404600 | 9405100 | 2.07E-14 |
| chr10      | 9418000 | 9418500 | 3.03E-08 |
| chr10      | 9460400 | 9460900 | 9.32E-27 |
| chr10      | 9460600 | 9461100 | 3.23E-53 |
| chr10      | 9460700 | 9461200 | 4.56E-53 |
| chr10      | 9460800 | 9461300 | 4.19E-60 |
| chr10      | 9463400 | 9463900 | 4.34E-05 |
| chr10      | 9463500 | 9464000 | 0.002088822 |
| chr10      | 9525100 | 9525600 | 6.99E-08 |
| chr10      | 9535900 | 9536400 | 1.76E-19 |
| chr10      | 9536000 | 9536500 | 6.80E-23 |
| Chromosome | Start | End   | Value     |
|------------|-------|-------|-----------|
| chr10      | 95361001 | 95366000 | 1.02E-33  |
| chr10      | 95457001 | 95462000 | 2.60E-07  |
| chr10      | 95458001 | 95463000 | 1.16E-14  |
| chr10      | 95649001 | 95654000 | 1.01E-18  |
| chr10      | 95650001 | 95655000 | 1.45E-20  |
| chr10      | 95651001 | 95656000 | 1.82E-18  |
| chr10      | 95652001 | 95657000 | 6.77E-26  |
| chr10      | 95653001 | 95658000 | 2.11E-20  |
| chr10      | 95654001 | 95659000 | 3.50E-23  |
| chr10      | 95749001 | 95754000 | 1.50E-17  |
| chr10      | 95867001 | 95872000 | 1.09E-07  |
| chr10      | 95868001 | 95873000 | 1.91E-07  |
| chr10      | 95869001 | 95874000 | 1.90E-08  |
| chr10      | 95871001 | 95876000 | 0.000129755 |
| chr10      | 95875001 | 95880000 | 0.000164579 |
| chr10      | 95986001 | 95991000 | 0.008136225 |
| chr10      | 96158001 | 96163000 | 2.54E-48  |
| chr10      | 96159001 | 96164000 | 3.73E-71  |
| chr10      | 96161001 | 96166000 | 3.47E-87  |
| chr10      | 96162001 | 96167000 | 4.11E-24  |
| chr10      | 96163001 | 96168000 | 1.05E-14  |
| chr10      | 96305001 | 96310000 | 7.13E-18  |
| chr10      | 96469001 | 96474000 | 8.76E-05  |
| chr10      | 96470001 | 96475000 | 0.000543529 |
| chr10      | 96473001 | 96478000 | 0.000250033 |
| chr10      | 96475001 | 96480000 | 0.000339355 |
| chr10      | 96496001 | 96501000 | 0.029959429 |
| chr10      | 96497001 | 96502000 | 0.012615739 |
| chr10      | 96548001 | 96553000 | 9.29E-08  |
| chr10      | 96552001 | 96557000 | 6.54E-08  |
| chr10      | 96563001 | 96568000 | 0.001232378 |
| chr10      | 96622001 | 96627000 | 8.55E-05  |
| chr10      | 96623001 | 96628000 | 4.47E-06  |
| chr10      | 96624001 | 96629000 | 1.40E-05  |
| chr10      | 96629001 | 96634000 | 0.002293945 |
| chr10      | 96630001 | 96635000 | 0.002350863 |
| chr10      | 96666001 | 96671000 | 7.35E-05  |
| chr10      | 96808001 | 96813000 | 9.66E-05  |
| chr10      | 96809001 | 96814000 | 1.88E-08  |
| chr10      | 96810001 | 96815000 | 1.19E-06  |
| chr10      | 96812001 | 96817000 | 0.000178589 |
| chr10      | 96813001 | 96818000 | 0.000590697 |
| chr10      | 96818001 | 96823000 | 1.43E-07  |
| chr10      | 96865001 | 96870000 | 3.21E-06  |
| chr10      | 96866001 | 96871000 | 5.10E-05  |
| chr10      | 96867001 | 96872000 | 4.13E-05  |
| chr10      | 96868001 | 96873000 | 0.00068038 |
| chr10      | 96939001 | 96944000 | 1.03E-48  |
| chr10 | 99390001 | 99395000 | 8.39E-29 |
|-------|----------|----------|-----------|
| chr10 | 99391001 | 99396000 | 7.26E-31  |
| chr10 | 99392001 | 99401000 | 2.78E-11  |
| chr10 | 99470001 | 99475000 | 8.71E-10  |
| chr10 | 99471001 | 99476000 | 1.69E-07  |
| chr10 | 99472001 | 99477000 | 2.35E-07  |
| chr10 | 99473001 | 99478000 | 8.76E-07  |
| chr10 | 99474001 | 99479000 | 4.56E-07  |
| chr10 | 99492001 | 99497000 | 9.16E-09  |
| chr10 | 99495001 | 99500000 | 1.08E-22  |
| chr10 | 99531001 | 99536000 | 1.82E-14  |
| chr10 | 99605001 | 99610000 | 2.28E-15  |
| chr10 | 99802001 | 99807000 | 1.38E-29  |
| chr10 | 99803001 | 99808000 | 1.46E-23  |
| chr10 | 99804001 | 99809000 | 2.78E-23  |
| chr10 | 99890001 | 99895000 | 2.78E-15  |
| chr10 | 99891001 | 99896000 | 7.16E-14  |
| chr10 | 100399001| 100404000| 5.76E-06  |
| chr10 | 100465001| 100470000| 0.00064461|
| chr10 | 100483001| 100488000| 0.000192207|
| chr10 | 100491001| 100496000| 0.000287908|
| chr10 | 100492001| 100497000| 0.001518598|
| chr10 | 100506001| 100511000| 0.001989797|
| chr10 | 100507001| 100512000| 0.002301452|
| chr10 | 100509001| 100514000| 0.001002051|
| chr10 | 100516001| 100521000| 2.83E-05  |
| chr10 | 100561001| 100566000| 0.000260715|
| chr10 | 100562001| 100567000| 0.000206161|
| chr10 | 100563001| 100568000| 0.004791892|
| chr10 | 100585001| 100590000| 4.12E-05  |
| chr10 | 100586001| 100591000| 4.12E-05  |
| chr10 | 100614001| 100619000| 0.000439273|
| chr10 | 100615001| 100620000| 0.000213963|
| chr10 | 100623001| 100628000| 0.002835571|
| chr10 | 100624001| 100629000| 0.00124172 |
| chr10 | 100625001| 100630000| 0.001007403|
| chr10 | 100626001| 100631000| 0.00160835 |
| chr10 | 100627001| 100632000| 0.002303535|
| chr10 | 100705001| 100710000| 0.00547092 |
| chr10 | 100714001| 100719000| 0.006571392|
| chr10 | 100715001| 100720000| 0.008374253|
| chr10 | 100770001| 100775000| 1.28E-07  |
| chr10 | 100771001| 100776000| 3.84E-08  |
| chr10 | 100863001| 100868000| 1.46E-05  |
| chr10 | 100887001| 100892000| 0.001143863|
| chr10 | 100888001| 100893000| 7.18E-07  |
| Chr | Start | End   | Value     |
|-----|-------|-------|-----------|
| chr10 | 100894001 | 100899000 | 4.22E-14  |
| chr10 | 100895001 | 100900000 | 7.94E-15  |
| chr10 | 100896001 | 100901000 | 1.89E-18  |
| chr10 | 100897001 | 100920000 | 6.89E-09  |
| chr10 | 100965001 | 100970000 | 0.000762265 |
| chr10 | 101378001 | 101383000 | 5.19E-21  |
| chr10 | 101379001 | 101384000 | 3.10E-57  |
| chr10 | 101380001 | 101385000 | 3.66E-45  |
| chr10 | 101381001 | 101386000 | 1.69E-39  |
| chr10 | 101419001 | 101424000 | 1.20E-20  |
| chr10 | 101492001 | 101497000 | 3.58E-46  |
| chr10 | 101533001 | 101538000 | 5.17E-05  |
| chr10 | 101534001 | 101539000 | 4.17E-05  |
| chr10 | 101535001 | 101540000 | 9.62E-07  |
| chr10 | 101765001 | 101770000 | 7.29E-21  |
| chr10 | 101766001 | 101771000 | 2.78E-25  |
| chr10 | 101984001 | 101989000 | 5.65E-09  |
| chr10 | 102027001 | 102032000 | 1.52E-22  |
| chr10 | 102055001 | 102060000 | 6.20E-06  |
| chr10 | 102102001 | 102107000 | 7.79E-27  |
| chr10 | 102103001 | 102108000 | 1.49E-32  |
| chr10 | 102293001 | 102298000 | 4.11E-13  |
| chr10 | 102294001 | 102299000 | 6.85E-18  |
| chr10 | 102295001 | 102300000 | 5.76E-18  |
| chr10 | 102492001 | 102497000 | 1.05E-13  |
| chr10 | 102493001 | 102498000 | 5.76E-16  |
| chr10 | 102494001 | 102499000 | 2.62E-11  |
| chr10 | 102606001 | 102611000 | 2.37E-08  |
| chr10 | 102607001 | 102612000 | 6.19E-12  |
| chr10 | 102670001 | 102675000 | 1.10E-31  |
| chr10 | 102725001 | 102730000 | 1.46E-14  |
| chr10 | 102726001 | 102731000 | 2.41E-10  |
| chr10 | 102727001 | 102732000 | 0.000156355 |
| chr10 | 102728001 | 102733000 | 2.11E-05  |
| chr10 | 102816001 | 102821000 | 6.76E-31  |
| chr10 | 103114001 | 103119000 | 5.09E-05  |
| chr10 | 103195001 | 103200000 | 9.41E-05  |
| chr10 | 103196001 | 103201000 | 0.000113649 |
| chr10 | 103197001 | 103202000 | 0.000217183 |
| chr10 | 103542001 | 103547000 | 2.96E-27  |
| chr10 | 103577001 | 103582000 | 1.54E-14  |
| chr10 | 103578001 | 103583000 | 1.65E-13  |
| chr10 | 103821001 | 103826000 | 4.17E-09  |
| chr10 | 103822001 | 103827000 | 1.79E-05  |
| chr10 | 103880001 | 103885000 | 0.000323607 |
| chr10 | 103986001 | 103991000 | 1.11E-22  |
| chr10 | 103987001 | 103992000 | 8.23E-23  |
| chr10 | 103988001 | 103993000 | 1.78E-35  |
| Chromosome | Start | End   | p-value     |
|------------|-------|-------|-------------|
| chr10      | 103989001 | 103994000 | 2.76E-23    |
| chr10      | 103990001 | 103995000 | 4.95E-18    |
| chr10      | 103991001 | 103996000 | 1.99E-12    |
| chr10      | 104180001 | 104185000 | 1.50E-07    |
| chr10      | 104501001 | 104506000 | 4.73E-24    |
| chr10      | 104502001 | 104507000 | 1.29E-27    |
| chr10      | 104503001 | 104508000 | 1.47E-15    |
| chr10      | 104613001 | 104618000 | 8.39E-11    |
| chr10      | 104614001 | 104619000 | 2.46E-15    |
| chr10      | 104625001 | 104630000 | 1.77E-09    |
| chr10      | 104677001 | 104682000 | 1.53E-14    |
| chr10      | 104678001 | 104683000 | 8.38E-14    |
| chr10      | 105106001 | 105111000 | 2.76E-33    |
| chr10      | 105107001 | 105112000 | 1.42E-32    |
| chr10      | 105108001 | 105113000 | 4.18E-22    |
| chr10      | 105154001 | 105159000 | 1.11E-34    |
| chr10      | 105673001 | 105678000 | 6.60E-20    |
| chr10      | 105722001 | 105727000 | 5.07E-32    |
| chr10      | 105723001 | 105728000 | 1.01E-43    |
| chr10      | 105724001 | 105729000 | 9.15E-30    |
| chr10      | 105881001 | 105886000 | 4.54E-30    |
| chr10      | 105882001 | 105887000 | 1.80E-11    |
| chr10      | 106024001 | 106029000 | 3.68E-40    |
| chr10      | 106030001 | 106035000 | 5.80E-20    |
| chr10      | 106050001 | 106055000 | 3.55E-10    |
| chr10      | 106051001 | 106056000 | 3.24E-13    |
| chr10      | 106061001 | 106066000 | 6.71E-09    |
| chr10      | 106322001 | 106327000 | 0.002055961 |
| chr10      | 106454001 | 106459000 | 0.024439606 |
| chr10      | 106547001 | 106552000 | 4.95E-05    |
| chr10      | 106722001 | 106727000 | 0.003665436 |
| chr10      | 107274001 | 107279000 | 0.0029904   |
| chr10      | 107498001 | 107503000 | 4.03E-08    |
| chr10      | 108283001 | 108288000 | 9.56E-05    |
| chr10      | 108605001 | 108610000 | 0.00064843  |
| chr10      | 108606001 | 108611000 | 1.16E-05    |
| chr10      | 108607001 | 108612000 | 2.84E-08    |
| chr10      | 108608001 | 108613000 | 2.84E-08    |
| chr10      | 108609001 | 108614000 | 7.34E-08    |
| chr10      | 108610001 | 108615000 | 6.57E-07    |
| chr10      | 108659001 | 108664000 | 5.94E-06    |
| chr10      | 108660001 | 108665000 | 3.26E-07    |
| chr10      | 108730001 | 108735000 | 0.002278316 |
| chr10      | 108783001 | 108788000 | 3.10E-05    |
| chr10      | 108784001 | 108789000 | 0.000203908 |
| chr10      | 108925001 | 108930000 | 0.001094662 |
| chr10      | 109075001 | 109080000 | 0.000808787 |
| chr10      | 109091001 | 109096000 | 2.30E-05    |
| Chromosome | Start | End   | P-value          |
|------------|-------|-------|-----------------|
| chr10      | 10928001 | 10929000 | 0.000417322     |
| chr10      | 10965001 | 10966000 | 0.000403785     |
| chr10      | 10966001 | 10966500 | 3.89E-05        |
| chr10      | 109978001 | 109983000 | 0.001870487     |
| chr10      | 110010001 | 110015000 | 0.001630603     |
| chr10      | 110223001 | 110228000 | 0.003218043     |
| chr10      | 110378001 | 110383000 | 0.000555E-05    |
| chr10      | 110457001 | 110462000 | 0.00011560146   |
| chr10      | 110504001 | 110509000 | 0.000557E-05    |
| chr10      | 110505001 | 110510000 | 0.000184E-07    |
| chr10      | 110667001 | 110672000 | 0.000279E-18    |
| chr10      | 110668001 | 110673000 | 0.000274E-15    |
| chr10      | 110774001 | 110779000 | 0.000260E-05    |
| chr10      | 110867001 | 110872000 | 0.0002009615026 |
| chr10      | 111015001 | 111020000 | 0.0008282032    |
| chr10      | 111133001 | 111138000 | 0.000117612     |
| chr10      | 111134001 | 111139000 | 0.000398E-06    |
| chr10      | 111308001 | 111313000 | 0.000948E-11    |
| chr10      | 111309001 | 111314000 | 0.000157E-07    |
| chr10      | 111310001 | 111315000 | 0.000246E-05    |
| chr10      | 111319001 | 111324000 | 0.000198E-05    |
| chr10      | 111679001 | 111684000 | 0.000117E-20    |
| chr10      | 111680001 | 111685000 | 0.000500E-14    |
| chr10      | 111681001 | 111686000 | 0.000145E-12    |
| chr10      | 111682001 | 111687000 | 0.000121E-24    |
| chr10      | 111683001 | 111688000 | 0.000105E-20    |
| chr10      | 112253001 | 112258000 | 0.000839E-12    |
| chr10      | 112327001 | 112332000 | 0.000471E-19    |
| chr10      | 112328001 | 112333000 | 0.000117E-08    |
| chr10      | 112432001 | 112437000 | 0.000305E-30    |
| chr10      | 112811001 | 112816000 | 0.000221E-05    |
| chr10      | 112812001 | 112817000 | 0.00000027908   |
| chr10      | 112813001 | 112818000 | 0.000000170323  |
| chr10      | 112832001 | 112837000 | 0.000178E-28    |
| chr10      | 112915001 | 112920000 | 0.000119593     |
| chr10      | 112925001 | 112930000 | 0.000476E-09    |
| chr10      | 112926001 | 112931000 | 0.000170E-08    |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr10      | 112927001      | 112932000    | 5.58E-08 |
| chr10      | 112928001      | 112933000    | 3.43E-06 |
| chr10      | 112936001      | 112941000    | 9.13E-06 |
| chr10      | 112937001      | 112942000    | 6.52E-07 |
| chr10      | 112940001      | 112945000    | 2.64E-07 |
| chr10      | 112982001      | 112987000    | 4.16E-08 |
| chr10      | 112984001      | 112989000    | 5.86E-07 |
| chr10      | 112985001      | 112990000    | 2.02E-09 |
| chr10      | 112986001      | 112991000    | 7.04E-11 |
| chr10      | 112987001      | 112992000    | 3.91E-07 |
| chr10      | 112988001      | 112993000    | 9.79E-10 |
| chr10      | 112989001      | 112994000    | 4.00E-09 |
| chr10      | 112990001      | 112995000    | 4.70E-08 |
| chr10      | 112991001      | 112996000    | 2.80E-09 |
| chr10      | 112992001      | 112997000    | 9.03E-14 |
| chr10      | 112993001      | 112998000    | 4.53E-11 |
| chr10      | 112994001      | 112999000    | 1.07E-08 |
| chr10      | 112995001      | 113000000    | 3.84E-09 |
| chr10      | 113022001      | 113027000    | 7.15E-06 |
| chr10      | 113163001      | 113168000    | 5.09E-06 |
| chr10      | 113164001      | 113169000    | 0.000880157 |
| chr10      | 113173001      | 113178000    | 0.000202192 |
| chr10      | 113197001      | 113202000    | 3.15E-07 |
| chr10      | 113198001      | 113203000    | 2.34E-08 |
| chr10      | 113199001      | 113204000    | 3.27E-06 |
| chr10      | 113200001      | 113205000    | 2.07E-05 |
| chr10      | 113230001      | 113235000    | 8.22E-06 |
| chr10      | 113327001      | 113332000    | 0.012025563 |
| chr10      | 113328001      | 113333000    | 5.00E-07 |
| chr10      | 113329001      | 113334000    | 4.14E-08 |
| chr10      | 113390001      | 113395000    | 4.22E-06 |
| chr10      | 113391001      | 113396000    | 9.30E-06 |
| chr10      | 113445001      | 113450000    | 3.14E-08 |
| chr10      | 113446001      | 113451000    | 1.25E-08 |
| chr10      | 113447001      | 113452000    | 1.14E-08 |
| chr10      | 113460001      | 113465000    | 9.28E-05 |
| chr10      | 113461001      | 113466000    | 3.90E-06 |
| chr10      | 113553001      | 113558000    | 1.08E-07 |
| chr10      | 113611001      | 113616000    | 3.55E-06 |
| chr10      | 113629001      | 113634000    | 6.62E-09 |
| chr10      | 113676001      | 113681000    | 0.009407528 |
| chr10      | 113800001      | 113805000    | 4.98E-09 |
| chr10      | 113801001      | 113806000    | 5.37E-08 |
| chr10      | 113814001      | 113819000    | 4.12E-05 |
| chr10      | 113843001      | 113848000    | 3.37E-08 |
| chr10      | 113939001      | 113944000    | 1.26E-18 |
| chr10      | 113952001      | 113957000    | 3.73E-09 |
| chr10      | 113953001      | 113958000    | 4.75E-09 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr10      | 113962001      | 113967000    | 0.001913016 |
| chr10      | 114164001      | 114169000    | 3.68E-05 |
| chr10      | 114167001      | 114172000    | 4.23E-09 |
| chr10      | 114202001      | 114207000    | 4.06E-18 |
| chr10      | 114211001      | 114216000    | 6.07E-09 |
| chr10      | 114212001      | 114217000    | 2.44E-08 |
| chr10      | 114476001      | 114481000    | 3.42E-08 |
| chr10      | 115140001      | 115145000    | 4.39E-05 |
| chr10      | 115261001      | 115266000    | 5.43E-05 |
| chr10      | 115264001      | 115269000    | 0.000110458 |
| chr10      | 115422001      | 115427000    | 1.59E-08 |
| chr10      | 115706001      | 115711000    | 0.002514222 |
| chr10      | 115799001      | 115804000    | 8.39E-13 |
| chr10      | 115817001      | 115822000    | 3.92E-08 |
| chr10      | 115818001      | 115823000    | 3.48E-08 |
| chr10      | 115819001      | 115824000    | 3.26E-09 |
| chr10      | 115820001      | 115825000    | 1.09E-07 |
| chr10      | 115821001      | 115826000    | 1.21E-08 |
| chr10      | 115890001      | 115895000    | 0.000415922 |
| chr10      | 115891001      | 115896000    | 0.000977391 |
| chr10      | 115892001      | 115897000    | 0.000101788 |
| chr10      | 116160001      | 116165000    | 3.21E-25 |
| chr10      | 116161001      | 116166000    | 5.88E-25 |
| chr10      | 116387001      | 116392000    | 8.98E-18 |
| chr10      | 116523001      | 116528000    | 1.78E-18 |
| chr10      | 116524001      | 116529000    | 5.37E-20 |
| chr10      | 116525001      | 116530000    | 5.47E-24 |
| chr10      | 116526001      | 116531000    | 7.82E-20 |
| chr10      | 116527001      | 116532000    | 8.15E-19 |
| chr10      | 116528001      | 116533000    | 2.51E-14 |
| chr10      | 116577001      | 116582000    | 1.29E-19 |
| chr10      | 116867001      | 116872000    | 5.08E-05 |
| chr10      | 116909001      | 116914000    | 9.93E-08 |
| chr10      | 116910001      | 116915000    | 4.08E-10 |
| chr10      | 116973001      | 116978000    | 0.000246955 |
| chr10      | 117124001      | 117129000    | 2.76E-11 |
| chr10      | 117125001      | 117130000    | 3.12E-11 |
| chr10      | 117200001      | 117205000    | 8.34E-05 |
| chr10      | 117212001      | 117217000    | 0.000436071 |
| chr10      | 117213001      | 117218000    | 0.000292332 |
| chr10      | 117214001      | 117219000    | 6.75E-06 |
| chr10      | 117250001      | 117255000    | 7.75E-10 |
| chr10      | 117251001      | 117256000    | 3.87E-13 |
| chr10      | 117252001      | 117257000    | 1.69E-07 |
| chr10      | 117253001      | 117258000    | 3.38E-07 |
| chr10      | 117316001      | 117321000    | 1.58E-05 |
| chr10      | 117372001      | 117377000    | 7.06E-06 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr10      | 117373001 | 117378000 | 1.25E-05  |
| chr10      | 117374001 | 117379000 | 3.72E-08  |
| chr10      | 117375001 | 117380000 | 5.98E-09  |
| chr10      | 117376001 | 117381000 | 3.96E-09  |
| chr10      | 117377001 | 117382000 | 2.55E-07  |
| chr10      | 117378001 | 117383000 | 3.20E-08  |
| chr10      | 117379001 | 117384000 | 6.99E-07  |
| chr10      | 117380001 | 117385000 | 3.17E-08  |
| chr10      | 117381001 | 117386000 | 1.50E-09  |
| chr10      | 117382001 | 117387000 | 1.70E-08  |
| chr10      | 117383001 | 117388000 | 3.20E-08  |
| chr10      | 117384001 | 117389000 | 4.15E-07  |
| chr10      | 117385001 | 117390000 | 5.98E-09  |
| chr10      | 117386001 | 117391000 | 3.96E-09  |
| chr10      | 117387001 | 117392000 | 2.55E-07  |
| chr10      | 117388001 | 117393000 | 3.20E-08  |
| chr10      | 117389001 | 117394000 | 4.15E-07  |
| chr10      | 117390001 | 117395000 | 5.98E-09  |
| chr10      | 117391001 | 117396000 | 3.96E-09  |
| chr10      | 117392001 | 117397000 | 2.55E-07  |
| chr10      | 117393001 | 117398000 | 3.20E-08  |
| chr10      | 117394001 | 117399000 | 4.15E-07  |
| chr10      | 117395001 | 117400000 | 5.98E-09  |
| chr10      | 117396001 | 117401000 | 3.96E-09  |
| chr10      | 117397001 | 117402000 | 2.55E-07  |
| chr10      | 117398001 | 117403000 | 3.20E-08  |
| chr10      | 117399001 | 117404000 | 4.15E-07  |
| chr10      | 117400001 | 117405000 | 5.98E-09  |
| chr10      | 117401001 | 117406000 | 3.96E-09  |
| chr10      | 117402001 | 117407000 | 2.55E-07  |
| chr10      | 117403001 | 117408000 | 3.20E-08  |
| chr10      | 117404001 | 117409000 | 4.15E-07  |
| chr10      | 117405001 | 117410000 | 5.98E-09  |
| chr10      | 117406001 | 117411000 | 3.96E-09  |
| chr10      | 117407001 | 117412000 | 2.55E-07  |
| chr10      | 117408001 | 117413000 | 3.20E-08  |
| chr10      | 117409001 | 117414000 | 4.15E-07  |
| chr10      | 117410001 | 117415000 | 5.98E-09  |
| chr10      | 117411001 | 117416000 | 3.96E-09  |
| chr10      | 117412001 | 117417000 | 2.55E-07  |
| chr10      | 117413001 | 117418000 | 3.20E-08  |
| chr10      | 117414001 | 117419000 | 4.15E-07  |
| chr10      | 117415001 | 117420000 | 5.98E-09  |
| chr10      | 117416001 | 117421000 | 3.96E-09  |
| chr10      | 117417001 | 117422000 | 2.55E-07  |
| chr10      | 117418001 | 117423000 | 3.20E-08  |
| chr10      | 117419001 | 117424000 | 4.15E-07  |
| Chromosome | Start Position | End Position | Log10(P-value) |
|------------|----------------|--------------|----------------|
| chr10      | 120099001      | 120104000    | 1.50E-49       |
| chr10      | 120100001      | 120105000    | 1.58E-43       |
| chr10      | 120405001      | 120410000    | 7.02E-07       |
| chr10      | 120510001      | 120515000    | 9.70E-69       |
| chr10      | 120511001      | 120516000    | 6.13E-32       |
| chr10      | 120859001      | 120864000    | 2.59E-05       |
| chr10      | 120862001      | 120867000    | 2.10E-09       |
| chr10      | 120863001      | 120868000    | 5.70E-13       |
| chr10      | 120923001      | 120928000    | 3.55E-14       |
| chr10      | 120924001      | 120929000    | 3.67E-30       |
| chr10      | 120925001      | 120930000    | 2.32E-26       |
| chr10      | 121299001      | 121304000    | 8.31E-23       |
| chr10      | 121302001      | 121307000    | 1.04E-10       |
| chr10      | 121354001      | 121359000    | 5.47E-23       |
| chr10      | 121355001      | 121360000    | 3.74E-41       |
| chr10      | 121356001      | 121361000    | 7.47E-40       |
| chr10      | 121406001      | 121411000    | 8.65E-25       |
| chr10      | 121407001      | 121412000    | 4.16E-46       |
| chr10      | 121485001      | 121490000    | 3.12E-32       |
| chr10      | 121630001      | 121635000    | 1.95E-54       |
| chr10      | 121631001      | 121636000    | 2.42E-50       |
| chr10      | 121632001      | 121637000    | 5.97E-47       |
| chr10      | 121905001      | 121910000    | 4.41E-06       |
| chr10      | 122004001      | 122009000    | 0.002217157    |
| chr10      | 122610001      | 122615000    | 8.39E-16       |
| chr10      | 122761001      | 122766000    | 1.24E-05       |
| chr10      | 122762001      | 122767000    | 1.11E-05       |
| chr10      | 122901001      | 122906000    | 0.004283249    |
| chr10      | 122902001      | 122907000    | 5.57E-05       |
| chr10      | 122903001      | 122908000    | 0.000100965    |
| chr10      | 123012001      | 123017000    | 0.002257801    |
| chr10      | 123055001      | 123060000    | 0.001345157    |
| chr10      | 123056001      | 123061000    | 0.000278445    |
| chr10      | 123057001      | 123062000    | 0.000455396    |
| chr10      | 123357001      | 123362000    | 9.32E-21       |
| chr10      | 123367001      | 123372000    | 1.12E-12       |
| chr10      | 123368001      | 123373000    | 6.25E-15       |
| chr10      | 123398001      | 123403000    | 1.43E-06       |
| chr10      | 123730001      | 123735000    | 3.96E-58       |
| chr10      | 123731001      | 123736000    | 1.54E-63       |
| chr10      | 123732001      | 123737000    | 3.76E-37       |
| chr10      | 123733001      | 123738000    | 7.54E-19       |
| chr10      | 123734001      | 123739000    | 4.91E-07       |
| chr10      | 123868001      | 123873000    | 3.54E-27       |
| chr10      | 123869001      | 123874000    | 5.98E-14       |
| chr10      | 123919001      | 123924000    | 1.07E-11       |
| chr10      | 124135001      | 124140000    | 2.35E-09       |
| chr10      | 124494001      | 124499000    | 2.69E-05       |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr10      | 124636001      | 124641000    | 1.57E-40|
| chr10      | 124637001      | 124642000    | 1.83E-51|
| chr10      | 124638001      | 124643000    | 4.35E-55|
| chr10      | 124639001      | 124644000    | 2.55E-57|
| chr10      | 124737001      | 124742000    | 1.26E-19|
| chr10      | 124739001      | 124744000    | 6.37E-26|
| chr10      | 124740001      | 124745000    | 4.66E-34|
| chr10      | 124796001      | 124801000    | 1.55E-05|
| chr10      | 124911001      | 124916000    | 2.90E-35|
| chr10      | 124913001      | 124918000    | 4.61E-17|
| chr10      | 125421001      | 125426000    | 1.20E-08|
| chr10      | 125479001      | 125484000    | 6.20E-08|
| chr10      | 125569001      | 125574000    | 0.022700379|
| chr10      | 125580001      | 125585000    | 3.62E-08|
| chr10      | 125581001      | 125586000    | 5.47E-08|
| chr10      | 125582001      | 125587000    | 2.88E-07|
| chr10      | 125583001      | 125588000    | 0.000869111|
| chr10      | 125964001      | 125969000    | 1.80E-08|
| chr10      | 125986001      | 125991000    | 1.27E-10|
| chr10      | 125987001      | 125992000    | 2.17E-15|
| chr10      | 126103001      | 126108000    | 7.41E-63|
| chr10      | 126104001      | 126109000    | 1.66E-24|
| chr10      | 126105001      | 126110000    | 9.93E-16|
| chr10      | 126133001      | 126138000    | 6.80E-11|
| chr10      | 126134001      | 126139000    | 5.73E-09|
| chr10      | 126146001      | 126151000    | 1.11E-15|
| chr10      | 126147001      | 126152000    | 2.08E-13|
| chr10      | 126148001      | 126153000    | 1.21E-13|
| chr10      | 126149001      | 126154000    | 4.71E-18|
| chr10      | 126150001      | 126155000    | 9.08E-16|
| chr10      | 126475001      | 126480000    | 3.54E-15|
| chr10      | 126476001      | 126481000    | 9.67E-43|
| chr10      | 126477001      | 126482000    | 3.89E-17|
| chr10      | 126478001      | 126483000    | 2.44E-10|
| chr10      | 126479001      | 126484000    | 6.72E-22|
| chr10      | 126480001      | 126485000    | 2.98E-20|
| chr10      | 126490001      | 126495000    | 1.67E-27|
| chr10      | 127004001      | 127009000    | 0.00148256|
| chr10      | 127005001      | 127010000    | 0.000360052|
| chr10      | 127358001      | 127363000    | 5.45E-05|
| chr10      | 127359001      | 127364000    | 1.01E-07|
| chr10      | 127360001      | 127365000    | 3.45E-05|
| chr10      | 127362001      | 127367000    | 2.88E-07|
| chr10      | 127408001      | 127413000    | 1.64E-51|
| chr10      | 128071001      | 128076000    | 2.55E-09|
| chr10      | 128072001      | 128077000    | 1.59E-55|
| chr10      | 128341001      | 128346000    | 1.60E-12|
| chr10      | 128364001      | 128369000    | 3.94E-13|
| Chr | Start | End   | P-value |
|-----|-------|-------|---------|
| chr10 | 128365001 | 128370000 | 1.79E-13 |
| chr10 | 128366001 | 128371000 | 7.37E-12 |
| chr10 | 128447001 | 128452000 | 5.12E-07 |
| chr10 | 128448001 | 128453000 | 3.65E-09 |
| chr10 | 128490001 | 128495000 | 9.19E-12 |
| chr10 | 128491001 | 128496000 | 1.59E-14 |
| chr10 | 128492001 | 128497000 | 1.27E-13 |
| chr10 | 128493001 | 128498000 | 1.40E-12 |
| chr10 | 128494001 | 128499000 | 4.27E-09 |
| chr10 | 128508001 | 128513000 | 1.12E-10 |
| chr10 | 128509001 | 128514000 | 1.61E-08 |
| chr10 | 128510001 | 128515000 | 3.62E-12 |
| chr10 | 128511001 | 128516000 | 5.48E-09 |
| chr10 | 128512001 | 128517000 | 5.83E-13 |
| chr10 | 128513001 | 128518000 | 2.21E-08 |
| chr10 | 128572001 | 128577000 | 6.96E-08 |
| chr10 | 128573001 | 128578000 | 3.28E-06 |
| chr10 | 128594001 | 128599000 | 5.83E-19 |
| chr10 | 128988001 | 128993000 | 1.07E-07 |
| chr10 | 128989001 | 128994000 | 1.99E-13 |
| chr10 | 128990001 | 128995000 | 3.01E-44 |
| chr10 | 128991001 | 128996000 | 1.16E-32 |
| chr10 | 128992001 | 128997000 | 4.96E-14 |
| chr10 | 128994001 | 128999000 | 2.47E-34 |
| chr10 | 129427001 | 129432000 | 4.49E-08 |
| chr10 | 129428001 | 129433000 | 3.90E-05 |
| chr10 | 129432001 | 129437000 | 3.95E-05 |
| chr10 | 129433001 | 129438000 | 1.45E-08 |
| chr10 | 130144001 | 130149000 | 0.007983256 |
| chr10 | 130145001 | 130150000 | 0.004505119 |
| chr10 | 130440001 | 130445000 | 1.37E-05 |
| chr10 | 130448001 | 130453000 | 1.94E-09 |
| chr10 | 130698001 | 130703000 | 1.49E-07 |
| chr10 | 131034001 | 131039000 | 2.10E-13 |
|-------|-----------|-----------|-----------|
| chr10 | 131070001 | 131075000 | 2.78E-17 |
| chr10 | 131080001 | 131085000 | 0.000276909 |
| chr10 | 131123001 | 131128000 | 1.24E-11 |
| chr10 | 131124001 | 131129000 | 1.43E-12 |
| chr10 | 131179001 | 131184000 | 1.08E-10 |
| chr10 | 131180001 | 131185000 | 1.78E-08 |
| chr10 | 131263001 | 131268000 | 6.69E-12 |
| chr10 | 131264001 | 131269000 | 5.13E-15 |
| chr10 | 131265001 | 131270000 | 7.51E-38 |
| chr10 | 131285001 | 131290000 | 2.72E-05 |
| chr10 | 131286001 | 131291000 | 1.11E-10 |
| chr10 | 131370001 | 131375000 | 0.000173562 |
| chr10 | 131371001 | 131376000 | 8.09E-09 |
| chr10 | 131372001 | 131377000 | 8.92E-09 |
| chr10 | 131396001 | 131401000 | 4.61E-15 |
| chr10 | 131416001 | 131421000 | 1.06E-05 |
| chr10 | 131548001 | 131553000 | 4.61E-07 |
| chr10 | 131549001 | 131554000 | 5.92E-07 |
| chr10 | 131782001 | 131787000 | 1.16E-07 |
| chr10 | 131783001 | 131788000 | 9.83E-08 |
| chr10 | 131784001 | 131789000 | 1.75E-07 |
| chr10 | 131852001 | 131857000 | 1.92E-07 |
| chr10 | 131853001 | 131858000 | 1.47E-05 |
| chr10 | 131867001 | 131872000 | 5.41E-07 |
| chr10 | 131888001 | 131893000 | 2.23E-05 |
| chr10 | 131904001 | 131909000 | 4.93E-25 |
| chr10 | 132034001 | 132039000 | 1.88E-06 |
| chr10 | 132146001 | 132151000 | 1.58E-13 |
| chr10 | 132186001 | 132191000 | 1.30E-08 |
| chr10 | 132211001 | 132216000 | 0.000345836 |
| chr10 | 132353001 | 132358000 | 1.89E-10 |
| chr10 | 132620001 | 132625000 | 0.000452581 |
| chr10 | 132668001 | 132673000 | 1.30E-05 |
| chr10 | 132690001 | 132674000 | 0.00022142 |
| chr10 | 132670001 | 132675000 | 0.000434701 |
| chr10 | 132986001 | 132991000 | 7.68E-06 |
| chr10 | 132987001 | 132992000 | 3.99E-07 |
| chr10 | 133300001 | 133305000 | 1.57E-07 |
| chr10 | 133301001 | 133306000 | 0.000738989 |
| chr10 | 133434001 | 133439000 | 0.000517832 |
| chr10 | 133791001 | 133795000 | 2.08E-16 |
| chr10 | 133794001 | 133799000 | 5.65E-14 |
| chr10 | 134000001 | 134005000 | 1.50E-07 |
| chr10 | 134119001 | 134124000 | 5.61E-10 |
| chr10 | 134969001 | 134974000 | 2.74E-17 |
| chr10 | 135188001 | 135193000 | 3.29E-09 |
| chr10 | 135189001 | 135194000 | 1.45E-05 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr10      | 135205001      | 135210000    | 4.46E-17|
| chr10      | 135315001      | 135320000    | 0.00117155|
| chr10      | 135329001      | 135334000    | 3.71E-24|
| chr10      | 135330001      | 135335000    | 2.19E-19|
| chr10      | 135331001      | 135336000    | 4.45E-29|
| chr10      | 135332001      | 135337000    | 2.27E-30|
| chr10      | 135333001      | 135338000    | 7.78E-23|
| chr10      | 135407001      | 135412000    | 0.000834736|
| chr10      | 135409001      | 135414000    | 0.000442664|
| chr11      | 236001         | 241000       | 3.03E-54|
| chr11      | 237001         | 242000       | 5.43E-23|
| chr11      | 565001         | 570000       | 2.35E-06|
| chr11      | 567001         | 572000       | 1.66E-07|
| chr11      | 568001         | 573000       | 1.83E-07|
| chr11      | 702001         | 707000       | 4.19E-08|
| chr11      | 807001         | 812000       | 1.85E-07|
| chr11      | 808001         | 813000       | 4.45E-10|
| chr11      | 809001         | 814000       | 2.04E-06|
| chr11      | 923001         | 928000       | 6.11E-12|
| chr11      | 1145001        | 115000       | 6.74E-06|
| chr11      | 1328001        | 1333000      | 4.95E-25|
| chr11      | 1330001        | 1335000      | 5.78E-30|
| chr11      | 1407001        | 1412000      | 2.63E-11|
| chr11      | 1715001        | 1720000      | 4.72E-15|
| chr11      | 3074001        | 3079000      | 1.40E-14|
| chr11      | 3076001        | 3081000      | 2.37E-12|
| chr11      | 3077001        | 3082000      | 5.92E-21|
| chr11      | 3078001        | 3083000      | 3.64E-22|
| chr11      | 3184001        | 3189000      | 1.61E-08|
| chr11      | 3185001        | 3190000      | 1.02E-11|
| chr11      | 3395001        | 3400000      | 3.43E-08|
| chr11      | 3396001        | 3401000      | 1.62E-18|
| chr11      | 3470001        | 3475000      | 4.63E-09|
| chr11      | 3471001        | 3476000      | 1.17E-06|
| chr11      | 3523001        | 3528000      | 0.000135619|
| chr11      | 3539001        | 3544000      | 5.42E-06|
| chr11      | 3540001        | 3545000      | 3.87E-06|
| chr11      | 3541001        | 3546000      | 1.67E-08|
| chr11      | 3542001        | 3547000      | 4.33E-05|
| chr11      | 3544001        | 3549000      | 1.47E-05|
| chr11      | 3574001        | 3579000      | 3.40E-12|
| chr11      | 3575001        | 3580000      | 6.62E-12|
| chr11      | 3577001        | 3582000      | 3.33E-13|
| chr11      | 3585001        | 3590000      | 7.15E-08|
| chr11      | 3872001        | 3877000      | 2.15E-12|
| chr11      | 3873001        | 3878000      | 6.01E-16|
| chr11      | 3874001        | 3879000      | 3.82E-11|
| chr11      | 3875001        | 3880000      | 2.69E-05|
| chr  | start  | end    | p-value |
|------|--------|--------|---------|
| chr11| 4113001| 4118000| 1.09E-13 |
| chr11| 4114001| 4119000| 6.14E-23 |
| chr11| 4115001| 4120000| 5.12E-27 |
| chr11| 4116001| 4121000| 5.75E-24 |
| chr11| 4204001| 4209000| 1.39E-13 |
| chr11| 4205001| 4210000| 1.31E-31 |
| chr11| 4206001| 4211000| 2.89E-34 |
| chr11| 4207001| 4212000| 2.30E-19 |
| chr11| 4208001| 4213000| 2.43E-11 |
| chr11| 4264001| 4269000| 9.12E-05 |
| chr11| 4277001| 4282000| 1.62E-06 |
| chr11| 4278001| 4283000| 4.17E-06 |
| chr11| 4279001| 4284000| 8.45E-07 |
| chr11| 4298001| 4303000| 0.000208579 |
| chr11| 4332001| 4337000| 4.41E-05 |
| chr11| 4344001| 4349000| 2.78E-07 |
| chr11| 4345001| 4350000| 1.56E-07 |
| chr11| 4346001| 4351000| 1.91E-07 |
| chr11| 4371001| 4376000| 2.87E-10 |
| chr11| 4372001| 4377000| 8.73E-12 |
| chr11| 4373001| 4378000| 2.10E-09 |
| chr11| 4402001| 4407000| 4.92E-09 |
| chr11| 4413001| 4418000| 7.25E-18 |
| chr11| 4416001| 4421000| 2.18E-05 |
| chr11| 4419001| 4424000| 7.37E-05 |
| chr11| 4420001| 4425000| 1.71E-08 |
| chr11| 4432001| 4437000| 5.49E-07 |
| chr11| 4433001| 4438000| 3.77E-08 |
| chr11| 4434001| 4439000| 1.43E-07 |
| chr11| 4497001| 4502000| 0.000453766 |
| chr11| 4550001| 4555000| 1.76E-11 |
| chr11| 4563001| 4568000| 6.99E-08 |
| chr11| 4564001| 4569000| 4.93E-07 |
| chr11| 4565001| 4570000| 8.80E-09 |
| chr11| 4566001| 4571000| 3.56E-12 |
| chr11| 4567001| 4572000| 1.67E-09 |
| chr11| 4629001| 4634000| 1.05E-16 |
| chr11| 4746001| 4751000| 3.33E-06 |
| chr11| 4909001| 4914000| 2.64E-05 |
| chr11| 4910001| 4915000| 0.00027687 |
| chr11| 4911001| 4916000| 0.0002044771 |
| chr11| 4941001| 4946000| 7.63E-09 |
| chr11| 5009001| 5014000| 3.56E-06 |
| chr11| 5010001| 5015000| 5.51E-05 |
| chr11| 5011001| 5016000| 6.42E-05 |
| chr11| 5013001| 5018000| 0.001227018 |
| chr11| 5087001| 5092000| 0.001560551 |
| chr11| 5117001| 5122000| 0.000323148 |
| Chromosome | Start Position | End Position | P-value |
|------------|---------------|--------------|---------|
| chr11      | 5118001       | 5128000      | 0.000601244 |
| chr11      | 5137001       | 5142000      | 1.98E-05 |
| chr11      | 5138001       | 5143000      | 4.61E-08 |
| chr11      | 5216001       | 5221000      | 3.36E-07 |
| chr11      | 5246001       | 5251000      | 1.04E-07 |
| chr11      | 5265001       | 5270000      | 3.50E-10 |
| chr11      | 5342001       | 5347000      | 0.00085763 |
| chr11      | 5343001       | 5348000      | 0.000501014 |
| chr11      | 5354001       | 5359000      | 0.016499297 |
| chr11      | 5355001       | 5360000      | 0.000452642 |
| chr11      | 5359001       | 5364000      | 0.000404048 |
| chr11      | 5429001       | 5434000      | 1.57E-15 |
| chr11      | 5430001       | 5435000      | 2.00E-14 |
| chr11      | 5431001       | 5436000      | 2.05E-15 |
| chr11      | 5432001       | 5437000      | 1.29E-13 |
| chr11      | 5433001       | 5438000      | 1.15E-13 |
| chr11      | 5513001       | 5518000      | 0.000101841 |
| chr11      | 5515001       | 5520000      | 0.000153907 |
| chr11      | 5516001       | 5521000      | 0.000469834 |
| chr11      | 5517001       | 5522000      | 3.40E-09 |
| chr11      | 5519001       | 5524000      | 0.00025412 |
| chr11      | 5533001       | 5538000      | 2.92E-07 |
| chr11      | 5605001       | 5610000      | 0.001969902 |
| chr11      | 5613001       | 5618000      | 5.40E-17 |
| chr11      | 5614001       | 5619000      | 1.72E-20 |
| chr11      | 5615001       | 5620000      | 1.20E-23 |
| chr11      | 5616001       | 5621000      | 1.49E-17 |
| chr11      | 5617001       | 5622000      | 1.19E-12 |
| chr11      | 5618001       | 5623000      | 1.77E-07 |
| chr11      | 5677001       | 5682000      | 1.68E-09 |
| chr11      | 5678001       | 5683000      | 9.99E-10 |
| chr11      | 5692001       | 5697000      | 0.003115246 |
| chr11      | 5709001       | 5714000      | 1.67E-08 |
| chr11      | 5723001       | 5728000      | 2.29E-06 |
| chr11      | 5724001       | 5729000      | 1.97E-07 |
| chr11      | 5759001       | 5764000      | 0.004544658 |
| chr11      | 5760001       | 5765000      | 9.84E-05 |
| chr11      | 5782001       | 5787000      | 4.83E-05 |
| chr11      | 5830001       | 5835000      | 2.96E-10 |
| chr11      | 5912001       | 5917000      | 1.11E-05 |
| chr11      | 5913001       | 5918000      | 6.35E-06 |
| chr11      | 5915001       | 5920000      | 0.000724907 |
| chr11      | 5916001       | 5921000      | 0.002583785 |
| chr11      | 5919001       | 5924000      | 0.000292599 |
| chr11      | 5940001       | 5945000      | 1.79E-09 |
| chr11      | 5966001       | 5971000      | 2.54E-08 |
| chr11      | 6004001       | 6009000      | 2.95E-07 |
| chr11      | 6006001       | 6011000      | 1.31E-11 |
| Chromosome | Start Base | End Base | P-value |
|------------|------------|----------|---------|
| chr11      | 6007001    | 6012000  | 1.30E-10 |
| chr11      | 6008001    | 6013000  | 0.00330434 |
| chr11      | 6009001    | 6014000  | 0.000210775 |
| chr11      | 6010001    | 6015000  | 2.63E-06 |
| chr11      | 6058001    | 6063000  | 1.12E-10 |
| chr11      | 6102001    | 6107000  | 1.71E-07 |
| chr11      | 6103001    | 6108000  | 6.61E-07 |
| chr11      | 6162001    | 6167000  | 8.15E-08 |
| chr11      | 6172001    | 6177000  | 3.34E-06 |
| chr11      | 6173001    | 6178000  | 1.25E-08 |
| chr11      | 6174001    | 6179000  | 1.15E-12 |
| chr11      | 6194001    | 6199000  | 0.008153167 |
| chr11      | 6195001    | 6200000  | 0.001769623 |
| chr11      | 6407001    | 6412000  | 2.07E-31 |
| chr11      | 6436001    | 6441000  | 4.94E-11 |
| chr11      | 6437001    | 6442000  | 1.16E-09 |
| chr11      | 6439001    | 6444000  | 1.33E-11 |
| chr11      | 6440001    | 6445000  | 1.49E-14 |
| chr11      | 6490001    | 6495000  | 4.63E-13 |
| chr11      | 6491001    | 6496000  | 1.88E-24 |
| chr11      | 6492001    | 6497000  | 5.68E-24 |
| chr11      | 6493001    | 6498000  | 1.35E-13 |
| chr11      | 6494001    | 6499000  | 1.87E-12 |
| chr11      | 6495001    | 6500000  | 2.03E-08 |
| chr11      | 6500001    | 6505000  | 7.89E-27 |
| chr11      | 6501001    | 6506000  | 8.12E-40 |
| chr11      | 6502001    | 6507000  | 1.15E-53 |
| chr11      | 6503001    | 6508000  | 7.29E-26 |
| chr11      | 6621001    | 6626000  | 7.80E-09 |
| chr11      | 6674001    | 6679000  | 6.03E-10 |
| chr11      | 6675001    | 6680000  | 1.23E-07 |
| chr11      | 6676001    | 6681000  | 1.41E-09 |
| chr11      | 6690001    | 6695000  | 0.002624722 |
| chr11      | 6691001    | 6696000  | 0.000136543 |
| chr11      | 6817001    | 6822000  | 0.00015042 |
| chr11      | 6818001    | 6823000  | 6.39E-07 |
| chr11      | 7026001    | 7031000  | 8.53E-08 |
| chr11      | 7027001    | 7032000  | 4.77E-08 |
| chr11      | 7028001    | 7033000  | 6.64E-07 |
| chr11      | 7029001    | 7034000  | 2.59E-06 |
| chr11      | 7037001    | 7042000  | 4.17E-18 |
| chr11      | 7038001    | 7043000  | 5.70E-17 |
| chr11      | 7039001    | 7044000  | 1.57E-14 |
| chr11      | 7056001    | 7061000  | 0.000521971 |
| chr11      | 7066001    | 7071000  | 6.72E-07 |
| chr11      | 7166001    | 7171000  | 1.01E-08 |
| chr11      | 7168001    | 7173000  | 4.65E-09 |
| chr11      | 7169001    | 7174000  | 8.75E-10 |
| chr11 |    7175001   |    7180000   |     8.51E-06  |
| chr11 |    7176001   |    7181000   |     1.50E-06  |
| chr11 |    7177001   |    7182000   |     1.18E-06  |
| chr11 |    7269001   |    7274000   |     4.29E-18  |
| chr11 |    7270001   |    7275000   |     5.51E-13  |
| chr11 |    7311001   |    7316000   |   0.004766684 |
| chr11 |    7312001   |    7317000   |   0.003330519 |
| chr11 |    7314001   |    7319000   |   0.007910642 |
| chr11 |    7349001   |    7354000   |   1.98E-05    |
| chr11 |    7391001   |    7396000   |   0.001692866 |
| chr11 |    7490001   |    7495000   |   0.000213543 |
| chr11 |    7737001   |    7742000   |     1.83E-05  |
| chr11 |    7738001   |    7743000   |     3.57E-05  |
| chr11 |    7739001   |    7744000   |     3.88E-07  |
| chr11 |    7836001   |    7841000   |     1.38E-07  |
| chr11 |    7894001   |    7899000   |   0.002100968 |
| chr11 |    7895001   |    7900000   |   0.007786303 |
| chr11 |    7928001   |    7933000   |   0.000277717 |
| chr11 |    8040001   |    8045000   |     4.39E-26  |
| chr11 |    8098001   |    8103000   |     7.92E-19  |
| chr11 |    8099001   |    8104000   |     4.85E-12  |
| chr11 |    8611001   |    8616000   |     1.85E-34  |
| chr11 |    8612001   |    8617000   |     1.63E-37  |
| chr11 |    8613001   |    8618000   |     4.37E-38  |
| chr11 |    8614001   |    8619000   |     1.69E-28  |
| chr11 |    8615001   |    8620000   |     3.02E-28  |
| chr11 |    8889001   |    8894000   |     2.25E-20  |
| chr11 |    8890001   |    8895000   |     1.43E-31  |
| chr11 |    8891001   |    8896000   |     2.41E-46  |
| chr11 |    8892001   |    8897000   |     1.87E-42  |
| chr11 |    8913001   |    8918000   |     2.39E-13  |
| chr11 |    8915001   |    8920000   |     1.70E-07  |
| chr11 |    8927001   |    8932000   |     9.65E-10  |
| chr11 |    8928001   |    8933000   |     1.35E-24  |
| chr11 |    8929001   |    8934000   |     5.68E-30  |
| chr11 |    8930001   |    8935000   |     8.10E-18  |
| chr11 |    8986001   |    8991000   |     4.38E-12  |
| chr11 |    9021001   |    9026000   |     3.15E-14  |
| chr11 |    9024001   |    9029000   |     2.42E-16  |
| chr11 |    9025001   |    9030000   |     5.70E-18  |
| chr11 |    9099001   |    9104000   |   0.000739053 |
| chr11 |    9286001   |    9291000   |     2.60E-19  |
| chr11 |    9681001   |    9686000   |     1.06E-13  |
| chr11 |    9683001   |    9688000   |     5.97E-19  |
| chr11 |    9684001   |    9689000   |     6.12E-14  |
| chr11 |    9685001   |    9690000   |     7.05E-22  |
| chr11 |   10311001   |   10316000   |     1.73E-15  |
| chr11 |   10313001   |   10318000   |     3.54E-20  |
| chr11 | 10315001 | 10320000 | 8.62E-25 |
|-------|----------|----------|---------|
| chr11 | 10384001 | 10389000 | 1.28E-09 |
| chr11 | 10468001 | 10473000 | 1.31E-15 |
| chr11 | 10469001 | 10474000 | 9.96E-14 |
| chr11 | 10470001 | 10475000 | 1.32E-33 |
| chr11 | 10471001 | 10476000 | 8.71E-32 |
| chr11 | 10472001 | 10477000 | 8.40E-43 |
| chr11 | 10473001 | 10478000 | 1.95E-15 |
| chr11 | 10558001 | 10563000 | 1.29E-54 |
| chr11 | 10559001 | 10564000 | 3.14E-42 |
| chr11 | 10560001 | 10565000 | 7.74E-49 |
| chr11 | 10632001 | 10637000 | 2.90E-06 |
| chr11 | 10753001 | 10758000 | 4.91E-09 |
| chr11 | 10773001 | 10778000 | 1.74E-29 |
| chr11 | 10825001 | 10830000 | 2.75E-24 |
| chr11 | 10874001 | 10879000 | 4.12E-19 |
| chr11 | 10880001 | 10885000 | 6.98E-37 |
| chr11 | 10948001 | 10953000 | 1.67E-19 |
| chr11 | 10949001 | 10954000 | 1.06E-20 |
| chr11 | 10950001 | 10955000 | 3.45E-12 |
| chr11 | 10978001 | 10983000 | 0.004577685 |
| chr11 | 11123001 | 11128000 | 0.000465287 |
| chr11 | 11637001 | 11642000 | 6.62E-12 |
| chr11 | 11638001 | 11643000 | 9.14E-64 |
| chr11 | 11639001 | 11644000 | 9.10E-36 |
| chr11 | 11640001 | 11645000 | 3.84E-14 |
| chr11 | 11642001 | 11647000 | 4.59E-28 |
| chr11 | 11643001 | 11648000 | 1.71E-29 |
| chr11 | 11858001 | 11863000 | 8.44E-07 |
| chr11 | 11859001 | 11864000 | 5.35E-78 |
| chr11 | 12132001 | 12137000 | 9.51E-26 |
| chr11 | 12691001 | 12696000 | 5.82E-45 |
| chr11 | 12692001 | 12697000 | 6.66E-60 |
| chr11 | 12845001 | 12850000 | 9.75E-14 |
| chr11 | 12846001 | 12851000 | 1.02E-16 |
| chr11 | 12847001 | 12852000 | 8.03E-14 |
| chr11 | 13026001 | 13031000 | 2.62E-15 |
| chr11 | 13027001 | 13032000 | 1.88E-15 |
| chr11 | 13234001 | 13239000 | 1.43E-13 |
| chr11 | 13235001 | 13240000 | 1.09E-12 |
| chr11 | 13236001 | 13241000 | 1.15E-08 |
| chr11 | 13237001 | 13242000 | 1.90E-11 |
| chr11 | 13238001 | 13243000 | 1.55E-06 |
| chr11 | 13480001 | 13485000 | 5.05E-47 |
| chr11 | 13481001 | 13486000 | 4.27E-39 |
| chr11 | 13482001 | 13487000 | 9.34E-27 |
| chr11 | 13525001 | 13530000 | 4.77E-05 |
| chr11 | 13582001 | 13587000 | 7.77E-11 |
| Chromosome | Start       | End         | P-value       |
|------------|-------------|-------------|---------------|
| chr11      | 13584001    | 13589000    | 2.79E-08      |
| chr11      | 13585001    | 13590000    | 7.32E-09      |
| chr11      | 13586001    | 13591000    | 4.07E-05      |
| chr11      | 13626001    | 13631000    | 0.00059946    |
| chr11      | 13635001    | 13640000    | 8.41E-05      |
| chr11      | 13636001    | 13641000    | 1.14E-06      |
| chr11      | 13637001    | 13642000    | 1.13E-09      |
| chr11      | 13638001    | 13643000    | 1.24E-06      |
| chr11      | 13639001    | 13644000    | 5.89E-06      |
| chr11      | 13640001    | 13645000    | 5.36E-06      |
| chr11      | 13657001    | 13662000    | 0.002656526   |
| chr11      | 13661001    | 13666000    | 0.001841735   |
| chr11      | 13690001    | 13695000    | 6.13E-23      |
| chr11      | 13824001    | 13829000    | 0.000788077   |
| chr11      | 13825001    | 13830000    | 0.00106626    |
| chr11      | 13826001    | 13831000    | 0.001777148   |
| chr11      | 13985001    | 13990000    | 5.09E-09      |
| chr11      | 13986001    | 13991000    | 5.48E-10      |
| chr11      | 14202001    | 14207000    | 0.00013629    |
| chr11      | 14237001    | 14242000    | 4.12E-05      |
| chr11      | 14238001    | 14243000    | 0.000259797   |
| chr11      | 14375001    | 14380000    | 1.34E-31      |
| chr11      | 14376001    | 14381000    | 1.40E-40      |
| chr11      | 14380001    | 14385000    | 2.73E-30      |
| chr11      | 14398001    | 14403000    | 5.00E-22      |
| chr11      | 14399001    | 14404000    | 6.36E-18      |
| chr11      | 14400001    | 14405000    | 1.96E-16      |
| chr11      | 14402001    | 14407000    | 1.83E-15      |
| chr11      | 14501001    | 14506000    | 0.004263538   |
| chr11      | 14582001    | 14587000    | 0.000730176   |
| chr11      | 14617001    | 14622000    | 3.68E-16      |
| chr11      | 14618001    | 14623000    | 3.22E-18      |
| chr11      | 14620001    | 14625000    | 6.81E-21      |
| chr11      | 14621001    | 14626000    | 2.01E-18      |
| chr11      | 14628001    | 14633000    | 0.001696982   |
| chr11      | 14629001    | 14634000    | 0.000363906   |
| chr11      | 14636001    | 14641000    | 2.78E-05      |
| chr11      | 14715001    | 14720000    | 7.61E-05      |
| chr11      | 14716001    | 14721000    | 0.000136769   |
| chr11      | 14717001    | 14722000    | 2.03E-05      |
| chr11      | 14733001    | 14738000    | 1.42E-09      |
| chr11      | 14735001    | 14740000    | 1.76E-09      |
| chr11      | 14736001    | 14741000    | 2.62E-08      |
| chr11      | 14758001    | 14763000    | 5.84E-10      |
| chr11      | 14759001    | 14764000    | 1.77E-11      |
| chr11      | 14767001    | 14772000    | 3.92E-11      |
| chr11      | 14803001    | 14808000    | 2.89E-10      |
| chr11      | 14804001    | 14809000    | 9.23E-10      |
| Chr   | Start | End   | p-value     |
|-------|-------|-------|-------------|
| chr11 | 14830001 | 14835000 | 1.31E-07   |
| chr11 | 14831001 | 14836000 | 2.10E-05   |
| chr11 | 14864001 | 14869000 | 7.27E-17   |
| chr11 | 14909001 | 14914000 | 6.50E-29   |
| chr11 | 14910001 | 14915000 | 3.50E-30   |
| chr11 | 14911001 | 14916000 | 8.52E-33   |
| chr11 | 14912001 | 14917000 | 1.04E-32   |
| chr11 | 14913001 | 14918000 | 3.29E-46   |
| chr11 | 14943001 | 14948000 | 8.93E-10   |
| chr11 | 14944001 | 14949000 | 5.07E-08   |
| chr11 | 14970001 | 14975000 | 8.33E-06   |
| chr11 | 14972001 | 14977000 | 0.011992717|
| chr11 | 14974001 | 14979000 | 0.009126506|
| chr11 | 15003001 | 15008000 | 4.62E-06   |
| chr11 | 15004001 | 15009000 | 3.27E-05   |
| chr11 | 15005001 | 15010000 | 4.57E-08   |
| chr11 | 15006001 | 15011000 | 1.26E-08   |
| chr11 | 15007001 | 15012000 | 7.50E-06   |
| chr11 | 15018001 | 15023000 | 0.00026483 |
| chr11 | 15102001 | 15107000 | 0.000743239|
| chr11 | 15121001 | 15126000 | 8.35E-07   |
| chr11 | 15181001 | 15186000 | 0.002032388|
| chr11 | 15183001 | 15188000 | 4.21E-05   |
| chr11 | 15272001 | 15277000 | 0.002971222|
| chr11 | 15273001 | 15278000 | 0.001327866|
| chr11 | 15312001 | 15317000 | 0.007856412|
| chr11 | 15379001 | 15384000 | 0.001208425|
| chr11 | 15512001 | 15517000 | 0.000300212|
| chr11 | 15667001 | 15672000 | 2.72E-15   |
| chr11 | 15668001 | 15673000 | 4.36E-11   |
| chr11 | 15671001 | 15676000 | 8.00E-14   |
| chr11 | 15694001 | 15699000 | 0.001317738|
| chr11 | 15841001 | 15846000 | 3.02E-09   |
| chr11 | 15989001 | 15994000 | 0.000204038|
| chr11 | 15995001 | 16000000 | 0.000396682|
| chr11 | 15996001 | 16001000 | 0.000206975|
| chr11 | 15997001 | 16002000 | 5.81E-06   |
| chr11 | 16011001 | 16016000 | 0.002997268|
| chr11 | 16012001 | 16017000 | 0.00184464 |
| chr11 | 16013001 | 16018000 | 0.004997479|
| chr11 | 16014001 | 16019000 | 0.000176075|
| chr11 | 16015001 | 16020000 | 0.000780299|
| chr11 | 16031001 | 16036000 | 0.002296857|
| chr11 | 16139001 | 16144000 | 0.000114352|
| chr11 | 16313001 | 16318000 | 0.002069933|
| chr11 | 16383001 | 16388000 | 1.96E-07   |
| chr11 | 16384001 | 16389000 | 2.53E-05   |
| chr11 | 16483001 | 16488000 | 0.000195326|
chr11  16513001  16518000  0.000195688
chr11  16607001  16612000  6.51E-05
chr11  16608001  16613000  0.000275702
chr11  16609001  16614000  6.31E-05
chr11  16610001  16615000  3.46E-14
chr11  16611001  16616000  6.79E-17
chr11  16612001  16617000  1.91E-30
chr11  16613001  16618000  6.74E-63
chr11  16614001  16619000  4.74E-45
chr11  17030001  17035000  3.97E-11
chr11  17031001  17036000  5.13E-22
chr11  17032001  17037000  1.60E-18
chr11  17095001  17100000  1.06E-33
chr11  17297001  17302000  1.13E-46
chr11  17298001  17303000  8.02E-59
chr11  17375001  17380000  2.22E-11
chr11  18030001  18035000  3.27E-11
chr11  18031001  18036000  4.49E-14
chr11  18033001  18038000  1.83E-14
chr11  18034001  18039000  1.93E-27
chr11  18035001  18040000  1.07E-23
chr11  18064001  18069000  7.54E-09
chr11  18066001  18071000  5.15E-13
chr11  18067001  18072000  6.80E-09
chr11  18123001  18128000  1.72E-10
chr11  18124001  18129000  2.31E-14
chr11  18258001  18263000  4.41E-05
chr11  18339001  18344000  1.61E-30
chr11  18340001  18345000  3.37E-21
chr11  18341001  18346000  4.66E-24
chr11  18342001  18347000  3.49E-34
chr11  18343001  18348000  1.66E-50
chr11  18344001  18349000  5.96E-49
chr11  18411001  18416000  1.48E-10
chr11  18417001  18422000  5.88E-09
chr11  18656001  18661000  1.04E-42
chr11  18746001  18751000  1.68E-06
chr11  18851001  18856000  0.000990177
chr11  18914001  18919000  3.59E-09
chr11  18915001  18920000  1.24E-11
chr11  18916001  18921000  7.35E-09
chr11  18995001  19000000  0.000552064
chr11  19017001  19022000  1.66E-05
chr11  19018001  19023000  7.10E-06
chr11  19134001  19139000  9.98E-19
| Chr  | Start   | End     | p-value          |
|------|---------|---------|-----------------|
| chr11| 19135001| 19140000| 3.12E-29        |
| chr11| 19319001| 19324000| 0.007857269     |
| chr11| 19362001| 19367000| 1.09E-10        |
| chr11| 19729001| 19734000| 2.08E-22        |
| chr11| 19730001| 19735000| 8.76E-46        |
| chr11| 19741001| 19746000| 1.31E-08        |
| chr11| 19742001| 19747000| 4.92E-07        |
| chr11| 19794001| 19799000| 1.27E-16        |
| chr11| 20028001| 20213000| 2.70E-08        |
| chr11| 20404001| 20409000| 5.02E-19        |
| chr11| 20405001| 20410000| 3.13E-29        |
| chr11| 20409001| 20414000| 2.15E-30        |
| chr11| 20677001| 20682000| 0.000360138     |
| chr11| 20686001| 20691000| 4.98E-14        |
| chr11| 20687001| 20692000| 2.75E-11        |
| chr11| 20901001| 20906000| 1.01E-05        |
| chr11| 20951001| 20956000| 0.000173499     |
| chr11| 21180001| 21185000| 5.89E-05        |
| chr11| 21181001| 21186000| 3.43E-09        |
| chr11| 21182001| 21187000| 2.61E-09        |
| chr11| 21183001| 21188000| 1.31E-07        |
| chr11| 21184001| 21189000| 0.001399467     |
| chr11| 21240001| 21245000| 2.06E-06        |
| chr11| 21243001| 21248000| 2.36E-07        |
| chr11| 21244001| 21249000| 6.56E-06        |
| chr11| 21350001| 21355000| 2.73E-07        |
| chr11| 21403001| 21408000| 0.000163072     |
| chr11| 21404001| 21409000| 0.000372081     |
| chr11| 21405001| 21410000| 0.000258767     |
| chr11| 21424001| 21429000| 0.012044768     |
| chr11| 21425001| 21430000| 0.003718089     |
| chr11| 21509001| 21514000| 0.001350282     |
| chr11| 21710001| 21715000| 0.001562626     |
| chr11| 21755001| 21760000| 2.11E-05        |
| chr11| 21756001| 21761000| 1.55E-05        |
| chr11| 21788001| 21793000| 0.029837018     |
| chr11| 21789001| 21794000| 0.024109191     |
| chr11| 21790001| 21795000| 0.00010712      |
| chr11| 21816001| 21821000| 0.002272725     |
| chr11| 21898001| 21903000| 0.000298859     |
| chr11| 22140001| 22219000| 1.89E-43        |
| chr11| 22215001| 22220000| 2.26E-34        |
| chr11| 22261001| 22266000| 0.001000028     |
| chr11| 22276001| 22281000| 1.11E-06        |
| chr11| 22277001| 22282000| 4.99E-06        |
| chr11| 22278001| 22283000| 1.23E-05        |
| chr11| 22409001| 22414000| 6.94E-06        |
| chr11| 22410001| 22415000| 7.84E-06        |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr11      | 22411001       | 22416000     | 0.000140168 |
| chr11      | 22425001       | 22430000     | 0.002513631 |
| chr11      | 22462001       | 22467000     | 6.72E-36 |
| chr11      | 22472001       | 22477000     | 3.16E-55 |
| chr11      | 22482001       | 22487000     | 3.09E-62 |
| chr11      | 22492001       | 22494000     | 5.70E-51 |
| chr11      | 22495001       | 22500000     | 1.96E-34 |
| chr11      | 22496001       | 22501000     | 0.00792618 |
| chr11      | 22505001       | 22510000     | 0.00674925 |
| chr11      | 22515001       | 22520000     | 0.0060752 |
| chr11      | 22520001       | 22525000     | 0.00149412 |
| chr11      | 22525001       | 22530000     | 4.16E-05 |
| chr11      | 22530001       | 22535000     | 0.25332691 |
| chr11      | 22535001       | 22540000     | 0.00102548 |
| chr11      | 22540001       | 22545000     | 5.65E-07 |
| chr11      | 22545001       | 22550000     | 9.05E-05 |
| chr11      | 22550001       | 22555000     | 4.62E-05 |
| chr11      | 22555001       | 22560000     | 7.25E-08 |
| chr11      | 22560001       | 22565000     | 2.13E-07 |
| chr11      | 22565001       | 22570000     | 2.77E-05 |
| chr11      | 22570001       | 22575000     | 0.002454654 |
| chr11      | 22575001       | 22580000     | 0.004370735 |
| chr11      | 22580001       | 22585000     | 5.79E-08 |
| chr11      | 22585001       | 22590000     | 1.00E-09 |
| chr11      | 22590001       | 22595000     | 7.87E-10 |
| chr11      | 22595001       | 22600000     | 2.84E-08 |
| chr11      | 22600001       | 22605000     | 2.13E-06 |
| chr11      | 22605001       | 22610000     | 0.00912338 |
| chr11      | 22610001       | 22615000     | 0.00043002 |
| chr11      | 22615001       | 22620000     | 1.89E-10 |
| chr11      | 22620001       | 22625000     | 6.62E-10 |
| chr11      | 22625001       | 22630000     | 4.84E-05 |
| chr11      | 22630001       | 22635000     | 0.00796287 |
| chr11      | 22635001       | 22640000     | 0.032739317 |
| chr11      | 22640001       | 22645000     | 0.003036658 |
| chr11      | 22645001       | 22650000     | 0.003985025 |
| chr11      | 22650001       | 22655000     | 0.00904656 |
| chr11      | 22655001       | 22660000     | 0.00171721 |
| chr11      | 22660001       | 22665000     | 1.98E-05 |
| chr11      | 22665001       | 22670000     | 1.63E-06 |
| chr11      | 22670001       | 22675000     | 0.005013738 |
| chr11      | 22675001       | 22680000     | 0.000411401 |
| chr11      | 22680001       | 22685000     | 0.001163449 |
| Chromosome | Start | End   | P-value          |
|------------|-------|-------|-----------------|
| chr11      | 23486001 | 23491000 | 0.001174974     |
| chr11      | 23552001 | 23557000 | 1.27E-05        |
| chr11      | 23553001 | 23558000 | 4.04E-05        |
| chr11      | 23590001 | 23595000 | 0.002531333     |
| chr11      | 23592001 | 23597000 | 0.000328325     |
| chr11      | 23593001 | 23598000 | 0.000931679     |
| chr11      | 23594001 | 23599000 | 0.002642529     |
| chr11      | 23595001 | 23597000 | 0.000360849     |
| chr11      | 23597001 | 23605000 | 3.39E-07        |
| chr11      | 23598001 | 23601000 | 3.95E-07        |
| chr11      | 23601001 | 23605000 | 1.03E-06        |
| chr11      | 23603001 | 23605000 | 3.24E-07        |
| chr11      | 23605001 | 23607000 | 2.75E-07        |
| chr11      | 23684001 | 23685000 | 0.0046404       |
| chr11      | 23685001 | 23689000 | 0.00305733      |
| chr11      | 23689001 | 23695000 | 0.001639594     |
| chr11      | 23697001 | 23702000 | 1.62E-06        |
| chr11      | 23719001 | 23723000 | 1.38E-06        |
| chr11      | 24094001 | 24099000 | 4.28E-09        |
| chr11      | 24095001 | 24100000 | 0.00342758      |
| chr11      | 24124001 | 24129000 | 1.74E-06        |
| chr11      | 24203001 | 24208000 | 1.52E-05        |
| chr11      | 24361001 | 24366000 | 0.00166795      |
| chr11      | 24362001 | 24367000 | 0.000273476     |
| chr11      | 24394001 | 24399000 | 0.000364286     |
| chr11      | 24395001 | 24400000 | 0.003549308     |
| chr11      | 24396001 | 24401000 | 0.001564066     |
| chr11      | 24473001 | 24478000 | 0.022365456     |
| chr11      | 24514001 | 24519000 | 8.69E-35        |
| chr11      | 24515001 | 24520000 | 1.62E-29        |
| chr11      | 24516001 | 24521000 | 1.51E-31        |
| chr11      | 24517001 | 24522000 | 8.01E-30        |
| chr11      | 24518001 | 24523000 | 2.02E-28        |
| chr11      | 24520001 | 24525000 | 0.000212974     |
| chr11      | 24521001 | 24526000 | 0.001698458     |
| chr11      | 24676001 | 24681000 | 2.45E-06        |
| chr11      | 24790001 | 24795000 | 0.006073224     |
| chr11      | 24840001 | 24845000 | 0.013216949     |
| chr11      | 24842001 | 24847000 | 0.006499824     |
| chr11      | 24843001 | 24848000 | 4.53E-06        |
| chr11      | 24844001 | 24849000 | 2.44E-05        |
| chr11      | 24864001 | 24869000 | 8.38E-07        |
| chr11      | 24865001 | 24870000 | 2.50E-06        |
| chr11      | 24879001 | 24884000 | 1.29E-07        |
| chr11      | 24880001 | 24885000 | 2.91E-07        |
| chr11      | 24882001 | 24887000 | 6.29E-07        |
| chr11      | 24999001 | 25004000 | 0.00019068      |
| chr11      | 25033001 | 25038000 | 0.000248459     |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr11      | 25125001 | 25130000 | 3.06E-08 |
| chr11      | 25144001 | 25149000 | 0.00163216 |
| chr11      | 25209001 | 25214000 | 0.00042364 |
| chr11      | 25218001 | 25223000 | 1.54E-07 |
| chr11      | 25219001 | 25224000 | 7.72E-07 |
| chr11      | 25220001 | 25225000 | 3.91E-06 |
| chr11      | 25250001 | 25255000 | 7.31E-05 |
| chr11      | 25318001 | 25323000 | 6.55E-06 |
| chr11      | 25324001 | 25329000 | 2.51E-08 |
| chr11      | 25325001 | 25330000 | 7.69E-12 |
| chr11      | 25326001 | 25331000 | 1.99E-11 |
| chr11      | 25327001 | 25332000 | 1.21E-08 |
| chr11      | 25328001 | 25333000 | 1.14E-08 |
| chr11      | 25329001 | 25334000 | 1.87E-06 |
| chr11      | 25334001 | 25348000 | 6.82E-06 |
| chr11      | 25364001 | 25369000 | 3.90E-08 |
| chr11      | 25367001 | 25372000 | 8.32E-09 |
| chr11      | 25418001 | 25423000 | 1.46E-05 |
| chr11      | 25419001 | 25424000 | 1.06E-06 |
| chr11      | 25420001 | 25425000 | 0.000716177 |
| chr11      | 25421001 | 25426000 | 0.023062989 |
| chr11      | 25451001 | 25456000 | 1.20E-06 |
| chr11      | 25511001 | 25516000 | 1.41E-14 |
| chr11      | 25530001 | 25535000 | 9.96E-06 |
| chr11      | 25551001 | 25556000 | 7.26E-11 |
| chr11      | 25616001 | 25621000 | 0.003619612 |
| chr11      | 25618001 | 25623000 | 0.001353466 |
| chr11      | 25619001 | 25624000 | 0.001025362 |
| chr11      | 25627001 | 25632000 | 4.26E-05 |
| chr11      | 25628001 | 25633000 | 0.000109525 |
| chr11      | 25651001 | 25656000 | 0.000259603 |
| chr11      | 25652001 | 25657000 | 7.08E-05 |
| chr11      | 25665001 | 25670000 | 1.06E-07 |
| chr11      | 25700001 | 25705000 | 0.001524744 |
| chr11      | 25701001 | 25706000 | 3.85E-06 |
| chr11      | 25702001 | 25707000 | 8.59E-07 |
| chr11      | 25703001 | 25708000 | 1.51E-06 |
| chr11      | 25725001 | 25730000 | 0.000557554 |
| chr11      | 25726001 | 25731000 | 2.28E-06 |
| chr11      | 25727001 | 25732000 | 9.02E-06 |
| chr11      | 25728001 | 25733000 | 1.09E-05 |
| chr11      | 25734001 | 25739000 | 0.002608355 |
| chr11      | 25735001 | 25740000 | 0.001519045 |
| chr11      | 25780001 | 25785000 | 1.51E-07 |
| chr11      | 25804001 | 25809000 | 6.67E-05 |
| chr11      | 25841001 | 25846000 | 5.33E-05 |
| chr11      | 25842001 | 25847000 | 0.000147985 |
| chr11      | 25843001 | 25848000 | 5.84E-05 |
| Chromosome | Start Base | End Base | P-Value     |
|------------|------------|----------|-------------|
| chr11      | 25844001   | 25849000 | 2.85E-07    |
| chr11      | 25873001   | 25878000 | 1.45E-05    |
| chr11      | 25874001   | 25879000 | 1.77E-06    |
| chr11      | 25875001   | 25880000 | 1.35E-08    |
| chr11      | 25876001   | 25881000 | 1.91E-08    |
| chr11      | 25877001   | 25882000 | 7.38E-10    |
| chr11      | 25978001   | 25983000 | 0.020507049 |
| chr11      | 25992001   | 25997000 | 0.000625289 |
| chr11      | 26021001   | 26026000 | 1.32E-07    |
| chr11      | 26112001   | 26117000 | 0.002564773 |
| chr11      | 26113001   | 26118000 | 0.000947068 |
| chr11      | 26114001   | 26119000 | 0.00248293  |
| chr11      | 26115001   | 26120000 | 0.000110368 |
| chr11      | 26116001   | 26121000 | 7.68E-07    |
| chr11      | 26192001   | 26197000 | 1.49E-05    |
| chr11      | 26193001   | 26198000 | 5.70E-06    |
| chr11      | 26259001   | 26264000 | 3.27E-06    |
| chr11      | 26260001   | 26265000 | 0.000240424 |
| chr11      | 26261001   | 26266000 | 9.78E-05    |
| chr11      | 26349001   | 26354000 | 6.54E-49    |
| chr11      | 26350001   | 26355000 | 4.87E-50    |
| chr11      | 26351001   | 26356000 | 5.10E-32    |
| chr11      | 26352001   | 26357000 | 9.17E-37    |
| chr11      | 26353001   | 26358000 | 8.42E-31    |
| chr11      | 26492001   | 26497000 | 8.11E-05    |
| chr11      | 26493001   | 26498000 | 5.51E-06    |
| chr11      | 26494001   | 26499000 | 2.00E-05    |
| chr11      | 26495001   | 26500000 | 5.59E-05    |
| chr11      | 26784001   | 26789000 | 0.000103759 |
| chr11      | 26854001   | 26859000 | 0.004649794 |
| chr11      | 27110001   | 27115000 | 2.71E-05    |
| chr11      | 27111001   | 27116000 | 0.000141897 |
| chr11      | 27117001   | 27122000 | 8.66E-05    |
| chr11      | 27118001   | 27123000 | 0.00202706  |
| chr11      | 27119001   | 27124000 | 0.005603962 |
| chr11      | 27127001   | 27132000 | 6.50E-05    |
| chr11      | 27159001   | 27164000 | 2.75E-05    |
| chr11      | 27263001   | 27268000 | 0.027511645 |
| chr11      | 27380001   | 27385000 | 9.39E-45    |
| chr11      | 27381001   | 27386000 | 4.64E-40    |
| chr11      | 27382001   | 27387000 | 1.91E-31    |
| chr11      | 27383001   | 27388000 | 2.43E-32    |
| chr11      | 27384001   | 27389000 | 1.53E-50    |
| chr11      | 27410001   | 27415000 | 0.000191506 |
| chr11      | 27411001   | 27416000 | 4.84E-05    |
| chr11      | 28125001   | 28130000 | 2.53E-33    |
| chr11      | 28126001   | 28131000 | 1.51E-37    |
| chr11      | 28129001   | 28134000 | 1.94E-56    |
| chr11 | 28130001 | 28135000 | 2.10E-26 |
|-------|----------|----------|----------|
| chr11 | 28131001 | 28136000 | 5.09E-25 |
| chr11 | 28358001 | 28363000 | 0.000158534 |
| chr11 | 28359001 | 28364000 | 0.000178595 |
| chr11 | 28473001 | 28478000 | 1.76E-05 |
| chr11 | 28905001 | 28910000 | 0.007580598 |
| chr11 | 29465001 | 29470000 | 3.56E-06 |
| chr11 | 29587001 | 29592000 | 9.77E-05 |
| chr11 | 29599001 | 29604000 | 0.000120952 |
| chr11 | 29628001 | 29633000 | 0.00126531 |
| chr11 | 29680001 | 29685000 | 2.23E-06 |
| chr11 | 29688001 | 29693000 | 1.18E-13 |
| chr11 | 29689001 | 29694000 | 5.44E-10 |
| chr11 | 29690001 | 29695000 | 5.59E-08 |
| chr11 | 29696001 | 29701000 | 3.26E-06 |
| chr11 | 29697001 | 29702000 | 1.62E-06 |
| chr11 | 29698001 | 29703000 | 1.10E-05 |
| chr11 | 29699001 | 29704000 | 6.36E-06 |
| chr11 | 29722001 | 29727000 | 0.001526578 |
| chr11 | 29746001 | 29751000 | 8.89E-07 |
| chr11 | 29769001 | 29774000 | 0.000948789 |
| chr11 | 29784001 | 29789000 | 1.48E-11 |
| chr11 | 29785001 | 29790000 | 7.19E-10 |
| chr11 | 29786001 | 29791000 | 3.27E-11 |
| chr11 | 29787001 | 29792000 | 1.42E-12 |
| chr11 | 29788001 | 29793000 | 4.92E-24 |
| chr11 | 29789001 | 29794000 | 1.36E-20 |
| chr11 | 29790001 | 29795000 | 3.15E-18 |
| chr11 | 29791001 | 29796000 | 4.36E-18 |
| chr11 | 29792001 | 29797000 | 5.47E-15 |
| chr11 | 29826001 | 29831000 | 3.34E-06 |
| chr11 | 29828001 | 29833000 | 5.09E-05 |
| chr11 | 29942001 | 29947000 | 1.11E-09 |
| chr11 | 29971001 | 29976000 | 5.41E-06 |
| chr11 | 29972001 | 29977000 | 0.00192844 |
| chr11 | 29984001 | 29989000 | 0.007056408 |
| chr11 | 29985001 | 29990000 | 0.003502797 |
| chr11 | 30000001 | 30005000 | 2.49E-06 |
| chr11 | 30001001 | 30006000 | 1.86E-05 |
| chr11 | 30002001 | 30007000 | 1.09E-05 |
| chr11 | 30022001 | 30027000 | 9.87E-05 |
| chr11 | 30057001 | 30062000 | 2.83E-07 |
| chr11 | 30060001 | 30065000 | 5.51E-09 |
| chr11 | 30061001 | 30066000 | 1.93E-09 |
| chr11 | 30069001 | 30074000 | 0.002274719 |
| chr11 | 30087001 | 30092000 | 1.57E-15 |
| chr11 | 30088001 | 30093000 | 1.67E-13 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr11      | 30090001       | 30095000     | 1.80E-05|
| chr11      | 30109001       | 30114000     | 0.010427956|
| chr11      | 30118001       | 30123000     | 0.0028824|
| chr11      | 30119001       | 30124000     | 0.000953334|
| chr11      | 30120001       | 30125000     | 8.16E-05|
| chr11      | 30121001       | 30126000     | 0.002530652|
| chr11      | 30165001       | 30170000     | 2.58E-05|
| chr11      | 30177001       | 30182000     | 1.05E-06|
| chr11      | 30180001       | 30185000     | 0.00031849|
| chr11      | 30212001       | 30217000     | 4.36E-05|
| chr11      | 30213001       | 30218000     | 2.47E-05|
| chr11      | 30344001       | 30349000     | 4.12E-15|
| chr11      | 30627001       | 30632000     | 1.81E-05|
| chr11      | 30628001       | 30633000     | 0.000138392|
| chr11      | 30655001       | 30660000     | 1.98E-08|
| chr11      | 30751001       | 30756000     | 0.008457804|
| chr11      | 30776001       | 30781000     | 2.64E-06|
| chr11      | 30777001       | 30782000     | 4.02E-07|
| chr11      | 30778001       | 30783000     | 4.10E-07|
| chr11      | 30779001       | 30784000     | 1.82E-05|
| chr11      | 30814001       | 30819000     | 0.001429541|
| chr11      | 30925001       | 30930000     | 0.010250161|
| chr11      | 30926001       | 30931000     | 0.0127493|
| chr11      | 31002001       | 31007000     | 7.55E-05|
| chr11      | 31003001       | 31008000     | 0.000188089|
| chr11      | 31009001       | 31014000     | 0.000273912|
| chr11      | 31011001       | 31016000     | 0.00065364|
| chr11      | 31012001       | 31017000     | 0.000607016|
| chr11      | 31262001       | 31267000     | 0.016808592|
| chr11      | 31389001       | 31394000     | 1.53E-28|
| chr11      | 31391001       | 31396000     | 3.28E-43|
| chr11      | 31531001       | 31536000     | 1.26E-48|
| chr11      | 31569001       | 31574000     | 7.79E-17|
| chr11      | 31873001       | 31878000     | 7.02E-06|
| chr11      | 31874001       | 31879000     | 7.49E-06|
| chr11      | 32055001       | 32060000     | 0.009830256|
| chr11      | 32066001       | 32071000     | 6.15E-05|
| chr11      | 32067001       | 32072000     | 1.11E-05|
| chr11      | 32068001       | 32073000     | 1.27E-09|
| chr11      | 32108001       | 32113000     | 2.31E-14|
| chr11      | 32262001       | 32267000     | 0.001793523|
| chr11      | 32272001       | 32277000     | 4.52E-08|
| chr11      | 32295001       | 32300000     | 0.000577043|
| chr11      | 32601001       | 32606000     | 2.93E-24|
| chr11      | 32603001       | 32608000     | 1.01E-23|
| chr11      | 32604001       | 32609000     | 1.52E-19|
| Chromosome | Start | End   | p-value  |
|------------|-------|-------|----------|
| chr11      | 32605001 | 32610000 | 1.20E-34 |
| chr11      | 32847001 | 32852000 | 9.66E-22 |
| chr11      | 32914001 | 32919000 | 3.15E-54 |
| chr11      | 33059001 | 33064000 | 1.10E-20 |
| chr11      | 33060001 | 33065000 | 4.12E-18 |
| chr11      | 33061001 | 33066000 | 1.60E-31 |
| chr11      | 33274001 | 33279000 | 1.08E-14 |
| chr11      | 33275001 | 33280000 | 1.62E-21 |
| chr11      | 33393001 | 33398000 | 3.27E-15 |
| chr11      | 33394001 | 33399000 | 4.83E-26 |
| chr11      | 33395001 | 33400000 | 6.02E-42 |
| chr11      | 33396001 | 33401000 | 8.01E-32 |
| chr11      | 33397001 | 33402000 | 1.79E-26 |
| chr11      | 33398001 | 33403000 | 7.83E-35 |
| chr11      | 33722001 | 33727000 | 2.34E-15 |
| chr11      | 33753001 | 33758000 | 3.37E-25 |
| chr11      | 33757001 | 33762000 | 1.34E-22 |
| chr11      | 33791001 | 33796000 | 2.32E-32 |
| chr11      | 33792001 | 33797000 | 4.34E-31 |
| chr11      | 33795001 | 33800000 | 6.16E-20 |
| chr11      | 33846001 | 33851000 | 1.20E-10 |
| chr11      | 33887001 | 33892000 | 4.62E-48 |
| chr11      | 33891001 | 33896000 | 7.87E-26 |
| chr11      | 34069001 | 34074000 | 2.69E-33 |
| chr11      | 34125001 | 34130000 | 2.93E-25 |
| chr11      | 34126001 | 34131000 | 1.84E-29 |
| chr11      | 34127001 | 34132000 | 1.76E-34 |
| chr11      | 34195001 | 34200000 | 5.47E-14 |
| chr11      | 34196001 | 34201000 | 4.52E-11 |
| chr11      | 34702001 | 34707000 | 5.71E-06 |
| chr11      | 34823001 | 34828000 | 0.009410851 |
| chr11      | 34933001 | 34938000 | 1.11E-42 |
| chr11      | 35052001 | 35057000 | 7.33E-12 |
| chr11      | 35156001 | 35161000 | 2.88E-19 |
| chr11      | 35191001 | 35196000 | 5.03E-06 |
| chr11      | 35270001 | 35275000 | 1.49E-06 |
| chr11      | 35436001 | 35441000 | 5.69E-41 |
| chr11      | 35682001 | 35687000 | 4.28E-38 |
| chr11      | 35683001 | 35688000 | 1.53E-33 |
| chr11      | 35684001 | 35689000 | 9.60E-61 |
| chr11      | 35961001 | 35966000 | 1.59E-68 |
| chr11      | 35962001 | 35967000 | 9.74E-58 |
| chr11      | 35963001 | 35968000 | 1.71E-47 |
| chr11      | 35964001 | 35969000 | 2.16E-27 |
| chr11      | 35965001 | 35970000 | 1.78E-36 |
| chr11      | 36309001 | 36314000 | 2.43E-25 |
| chr11      | 36311001 | 36316000 | 3.70E-21 |
| chr11      | 36358001 | 36363000 | 8.72E-07 |
| Chr  | Start       | End       | P-value  |
|------|-------------|-----------|----------|
| chr11| 36383001    | 36388000  | 1.04E-08 |
| chr11| 36603001    | 36608000  | 0.002269806 |
| chr11| 36696001    | 36701000  | 2.68E-10 |
| chr11| 36725001    | 36730000  | 4.46E-07 |
| chr11| 36732001    | 36737000  | 6.26E-08 |
| chr11| 36741001    | 36746000  | 5.57E-07 |
| chr11| 36743001    | 36748000  | 3.46E-06 |
| chr11| 36769001    | 36774000  | 3.26E-07 |
| chr11| 36770001    | 36775000  | 2.89E-10 |
| chr11| 36848001    | 36853000  | 0.00344858 |
| chr11| 36849001    | 36854000  | 9.64E-06 |
| chr11| 36852001    | 36857000  | 9.61E-11 |
| chr11| 36853001    | 36858000  | 7.74E-14 |
| chr11| 36854001    | 36859000  | 3.46E-12 |
| chr11| 36855001    | 36860000  | 2.91E-12 |
| chr11| 36856001    | 36861000  | 5.78E-11 |
| chr11| 36886001    | 36891000  | 2.28E-07 |
| chr11| 36888001    | 36893000  | 5.54E-07 |
| chr11| 36899001    | 36904000  | 5.03E-08 |
| chr11| 36900001    | 36905000  | 3.84E-06 |
| chr11| 36901001    | 36906000  | 1.42E-06 |
| chr11| 36909001    | 36914000  | 0.000473839 |
| chr11| 36910001    | 36915000  | 0.001463134 |
| chr11| 36976001    | 36981000  | 0.005034105 |
| chr11| 36977001    | 36982000  | 0.001275242 |
| chr11| 36980001    | 36985000  | 0.002714676 |
| chr11| 36983001    | 36988000  | 2.18E-05 |
| chr11| 36996001    | 37001000  | 1.43E-09 |
| chr11| 36997001    | 37002000  | 8.88E-10 |
| chr11| 36998001    | 37003000  | 9.64E-12 |
| chr11| 36999001    | 37004000  | 8.33E-13 |
| chr11| 37000001    | 37005000  | 1.15E-10 |
| chr11| 37051001    | 37056000  | 3.06E-06 |
| chr11| 37052001    | 37057000  | 2.27E-07 |
| chr11| 37053001    | 37058000  | 2.95E-06 |
| chr11| 37055001    | 37060000  | 0.004869143 |
| chr11| 37085001    | 37090000  | 0.000181662 |
| chr11| 37086001    | 37091000  | 0.000278141 |
| chr11| 37100001    | 37105000  | 0.001837594 |
| chr11| 37120001    | 37125000  | 0.000358362 |
| chr11| 37212001    | 37217000  | 2.65E-05 |
| chr11| 37251001    | 37256000  | 0.006843383 |
| chr11| 37273001    | 37278000  | 0.012858256 |
| chr11| 37296001    | 37301000  | 0.001328302 |
| chr11| 37297001    | 37302000  | 0.003567125 |
| chr11| 37309001    | 37314000  | 0.00024678 |
| chr11| 37321001    | 37326000  | 0.000752924 |
| chr11| 37573001    | 37578000  | 0.000370028 |
| Chr | Start | End   | p-value |
|-----|-------|-------|---------|
| chr11 | 37575001 | 37580000 | 0.002368222 |
| chr11 | 37694001 | 37699000 | 0.007870401 |
| chr11 | 37719001 | 37724000 | 0.003001832 |
| chr11 | 38855001 | 38860000 | 0.017665107 |
| chr11 | 39414001 | 39419000 | 1.29E-11   |
| chr11 | 39553001 | 39558000 | 2.49E-05   |
| chr11 | 39603001 | 39608000 | 0.000337615 |
| chr11 | 39604001 | 39609000 | 6.82E-07   |
| chr11 | 39615001 | 39620000 | 0.000217776 |
| chr11 | 39658001 | 39663000 | 4.29E-10   |
| chr11 | 39659001 | 39664000 | 1.97E-06   |
| chr11 | 39702001 | 39707000 | 0.000303012 |
| chr11 | 39703001 | 39708000 | 3.62E-07   |
| chr11 | 39704001 | 39709000 | 0.000164089 |
| chr11 | 39781001 | 39786000 | 0.00032888 |
| chr11 | 39782001 | 39787000 | 5.15E-05   |
| chr11 | 39828001 | 39833000 | 5.98E-06   |
| chr11 | 39829001 | 39834000 | 5.06E-06   |
| chr11 | 39831001 | 39836000 | 1.23E-06   |
| chr11 | 39832001 | 39837000 | 1.12E-05   |
| chr11 | 39846001 | 39851000 | 4.12E-06   |
| chr11 | 39847001 | 39852000 | 0.000907913 |
| chr11 | 39876001 | 39881000 | 1.76E-07   |
| chr11 | 39877001 | 39882000 | 1.07E-06   |
| chr11 | 39878001 | 39883000 | 8.84E-07   |
| chr11 | 39879001 | 39884000 | 5.24E-07   |
| chr11 | 39900001 | 39905000 | 2.45E-17   |
| chr11 | 39910001 | 39915000 | 9.03E-20   |
| chr11 | 39982001 | 39987000 | 0.00164316 |
| chr11 | 40029001 | 40034000 | 3.03E-08   |
| chr11 | 40030001 | 40035000 | 4.58E-09   |
| chr11 | 40032001 | 40037000 | 3.68E-06   |
| chr11 | 40033001 | 40038000 | 3.52E-07   |
| chr11 | 40070001 | 40075000 | 0.000269089 |
| chr11 | 40188001 | 40193000 | 1.72E-06   |
| chr11 | 40202001 | 40207000 | 0.000751601 |
| chr11 | 40203001 | 40208000 | 0.000105653 |
| chr11 | 40228001 | 40233000 | 3.59E-05   |
| chr11 | 40229001 | 40234000 | 6.00E-06   |
| chr11 | 40230001 | 40235000 | 3.93E-10   |
| chr11 | 40231001 | 40236000 | 3.25E-10   |
| chr11 | 40232001 | 40237000 | 1.59E-06   |
| chr11 | 40418001 | 40423000 | 0.000743301 |
| chr11 | 40419001 | 40424000 | 0.000140238 |
| chr11 | 40420001 | 40425000 | 0.000192939 |
| chr11 | 40591001 | 40596000 | 0.000445074 |
| chr11 | 40722001 | 40727000 | 0.002009235 |
| Chromosome | Start Position | End Position | P-value  |
|------------|----------------|--------------|----------|
| chr11      | 40723001       | 40728000     | 0.000797415 |
| chr11      | 40782001       | 40787000     | 0.000383574 |
| chr11      | 40835001       | 40840000     | 5.47E-13 |
| chr11      | 40836001       | 40841000     | 7.22E-06 |
| chr11      | 40977001       | 40982000     | 0.000473209 |
| chr11      | 40984001       | 40989000     | 2.14E-05 |
| chr11      | 40985001       | 40990000     | 0.00177743 |
| chr11      | 41091001       | 41096000     | 0.016591086 |
| chr11      | 41173001       | 41178000     | 2.05E-05 |
| chr11      | 41192001       | 41197000     | 0.001983726 |
| chr11      | 41231001       | 41236000     | 0.00029306 |
| chr11      | 41241001       | 41246000     | 0.003227386 |
| chr11      | 41243001       | 41248000     | 0.002446971 |
| chr11      | 41292001       | 41297000     | 2.84E-08 |
| chr11      | 41293001       | 41298000     | 2.45E-07 |
| chr11      | 41294001       | 41299000     | 1.10E-10 |
| chr11      | 41349001       | 41354000     | 0.002942591 |
| chr11      | 41350001       | 41355000     | 0.004717326 |
| chr11      | 41352001       | 41357000     | 0.000533321 |
| chr11      | 41353001       | 41358000     | 0.006900551 |
| chr11      | 41443001       | 41448000     | 0.00102424 |
| chr11      | 41444001       | 41449000     | 2.83E-06 |
| chr11      | 41536001       | 41541000     | 0.002115986 |
| chr11      | 41548001       | 41553000     | 1.87E-06 |
| chr11      | 41603001       | 41608000     | 6.12E-06 |
| chr11      | 41604001       | 41609000     | 6.40E-07 |
| chr11      | 41605001       | 41610000     | 4.03E-05 |
| chr11      | 41646001       | 41651000     | 2.16E-05 |
| chr11      | 41653001       | 41658000     | 0.00153453 |
| chr11      | 41654001       | 41659000     | 1.16E-05 |
| chr11      | 41743001       | 41748000     | 3.90E-06 |
| chr11      | 41796001       | 41801000     | 4.39E-05 |
| chr11      | 41803001       | 41808000     | 3.08E-06 |
| chr11      | 41804001       | 41809000     | 6.78E-07 |
| chr11      | 41865001       | 41870000     | 1.31E-07 |
| chr11      | 41866001       | 41871000     | 5.60E-09 |
| chr11      | 41867001       | 41872000     | 7.67E-08 |
| chr11      | 41934001       | 41939000     | 1.16E-10 |
| chr11      | 41940001       | 41945000     | 0.005052524 |
| chr11      | 42001001       | 42006000     | 3.35E-05 |
| chr11      | 42002001       | 42007000     | 0.000262604 |
| chr11      | 42074001       | 42079000     | 1.79E-06 |
| chr11      | 42075001       | 42080000     | 1.53E-05 |
| chr11      | 42076001       | 42081000     | 2.70E-05 |
| chr11      | 42077001       | 42082000     | 4.83E-05 |
| chr11      | 42144001       | 42149000     | 4.16E-17 |
| chr11      | 42145001       | 42150000     | 5.75E-11 |
| chr11      | 42148001       | 42153000     | 0.000124354 |
| chr11  | 42212001 | 42217000 | 0.000453568 |
|--------|----------|----------|-------------|
| chr11  | 42213001 | 42218000 | 0.000856751 |
| chr11  | 42234001 | 42239000 | 5.20E-05    |
| chr11  | 42235001 | 42240000 | 1.11E-05    |
| chr11  | 42236001 | 42241000 | 1.27E-07    |
| chr11  | 42237001 | 42242000 | 1.06E-08    |
| chr11  | 42262001 | 42267000 | 3.57E-09    |
| chr11  | 42268001 | 42273000 | 5.91E-07    |
| chr11  | 42269001 | 42274000 | 1.01E-07    |
| chr11  | 42313001 | 42318000 | 0.002817292 |
| chr11  | 42324001 | 42329000 | 0.000939229 |
| chr11  | 42368001 | 42373000 | 1.74E-07    |
| chr11  | 42369001 | 42374000 | 8.21E-08    |
| chr11  | 42370001 | 42375000 | 8.86E-07    |
| chr11  | 42372001 | 42377000 | 3.03E-08    |
| chr11  | 42384001 | 42389000 | 0.000280819 |
| chr11  | 42385001 | 42390000 | 0.000362815 |
| chr11  | 42386001 | 42391000 | 5.26E-05    |
| chr11  | 42387001 | 42392000 | 0.00198208  |
| chr11  | 42388001 | 42393000 | 0.00135933  |
| chr11  | 42469001 | 42474000 | 1.34E-06    |
| chr11  | 42521001 | 42526000 | 0.003644686 |
| chr11  | 42522001 | 42527000 | 0.004568128 |
| chr11  | 42538001 | 42543000 | 1.12E-07    |
| chr11  | 42539001 | 42544000 | 9.89E-07    |
| chr11  | 42557001 | 42562000 | 5.81E-08    |
| chr11  | 42558001 | 42563000 | 9.22E-08    |
| chr11  | 42560001 | 42565000 | 2.02E-09    |
| chr11  | 42597001 | 42602000 | 0.00591439  |
| chr11  | 42692001 | 42697000 | 1.49E-07    |
| chr11  | 42697001 | 42702000 | 0.004191117 |
| chr11  | 42805001 | 42810000 | 0.000311448 |
| chr11  | 42906001 | 42911000 | 0.000103925 |
| chr11  | 43329001 | 43334000 | 3.83E-20    |
| chr11  | 43330001 | 43335000 | 1.43E-25    |
| chr11  | 43332001 | 43337000 | 1.54E-30    |
| chr11  | 43333001 | 43338000 | 5.43E-44    |
| chr11  | 43376001 | 43381000 | 8.41E-42    |
| chr11  | 43377001 | 43382000 | 2.78E-28    |
| chr11  | 43555001 | 43560000 | 4.18E-10    |
| chr11  | 43637001 | 43642000 | 5.87E-07    |
| chr11  | 43638001 | 43643000 | 5.35E-07    |
| chr11  | 43639001 | 43644000 | 5.13E-07    |
| chr11  | 43641001 | 43646000 | 7.05E-05    |
| chr11  | 43662001 | 43667000 | 9.10E-31    |
| chr11  | 43666001 | 43671000 | 4.44E-15    |
| chr11  | 43902001 | 43907000 | 3.07E-26    |
| chr11  | 43960001 | 43965000 | 8.24E-17    |
| chr11 | 43961001 | 43966000 | 1.06E-14 |
|------|----------|----------|----------|
| chr11 | 43965001 | 43970000 | 1.42E-13 |
| chr11 | 44083001 | 44088000 | 9.79E-14 |
| chr11 | 44084001 | 44089000 | 3.09E-23 |
| chr11 | 44085001 | 44090000 | 8.72E-26 |
| chr11 | 44088001 | 44093000 | 1.23E-11 |
| chr11 | 44116001 | 44121000 | 1.61E-29 |
| chr11 | 44117001 | 44122000 | 6.65E-24 |
| chr11 | 44660001 | 44665000 | 0.007683859 |
| chr11 | 44661001 | 44666000 | 0.005523406 |
| chr11 | 44968001 | 44973000 | 3.27E-15 |
| chr11 | 44969001 | 44974000 | 3.69E-15 |
| chr11 | 44970001 | 44975000 | 6.21E-18 |
| chr11 | 44971001 | 44976000 | 1.07E-15 |
| chr11 | 45168001 | 45173000 | 1.15E-21 |
| chr11 | 45197001 | 45202000 | 4.24E-17 |
| chr11 | 45198001 | 45203000 | 4.05E-21 |
| chr11 | 45821001 | 45826000 | 1.59E-19 |
| chr11 | 45822001 | 45827000 | 4.20E-26 |
| chr11 | 45823001 | 45828000 | 3.52E-10 |
| chr11 | 45920001 | 45925000 | 0.01839878 |
| chr11 | 45944001 | 45949000 | 1.28E-06 |
| chr11 | 46138001 | 46143000 | 2.24E-15 |
| chr11 | 46139001 | 46144000 | 7.23E-21 |
| chr11 | 46141001 | 46146000 | 2.81E-27 |
| chr11 | 46142001 | 46147000 | 2.44E-19 |
| chr11 | 46143001 | 46148000 | 8.33E-32 |
| chr11 | 46255001 | 46260000 | 7.26E-13 |
| chr11 | 46259001 | 46264000 | 2.03E-25 |
| chr11 | 46260001 | 46265000 | 7.95E-24 |
| chr11 | 46369001 | 46374000 | 0.001378016 |
| chr11 | 46611001 | 46616000 | 2.68E-11 |
| chr11 | 46612001 | 46617000 | 1.05E-07 |
| chr11 | 46614001 | 46619000 | 6.95E-08 |
| chr11 | 46615001 | 46620000 | 4.06E-11 |
| chr11 | 46639001 | 46644000 | 5.05E-14 |
| chr11 | 46844001 | 46849000 | 1.91E-28 |
| chr11 | 46845001 | 46850000 | 7.25E-15 |
| chr11 | 46846001 | 46851000 | 1.81E-17 |
| chr11 | 46847001 | 46852000 | 7.17E-18 |
| chr11 | 46848001 | 46853000 | 1.58E-29 |
| chr11 | 47043001 | 47048000 | 0.00318186 |
| chr11 | 47044001 | 47049000 | 5.38E-05 |
| chr11 | 47194001 | 47199000 | 1.19E-13 |
| chr11 | 47195001 | 47200000 | 6.45E-13 |
| chr11 | 47196001 | 47201000 | 1.46E-12 |
| chr11 | 47204001 | 47209000 | 1.33E-08 |
| chr11 | 47205001 | 47210000 | 6.62E-11 |
| Chromosome | Start | End   | p-value  |
|------------|-------|-------|----------|
| chr11      | 48669001 | 48674000 | 5.20E-16 |
| chr11      | 48670001 | 48675000 | 2.08E-15 |
| chr11      | 48818001 | 48823000 | 1.36E-11 |
| chr11      | 48819001 | 48824000 | 7.34E-11 |
| chr11      | 48820001 | 48825000 | 3.96E-10 |
| chr11      | 48821001 | 48826000 | 7.53E-10 |
| chr11      | 48870001 | 48875000 | 2.31E-05 |
| chr11      | 48871001 | 48876000 | 6.54E-05 |
| chr11      | 48881001 | 48886000 | 9.72E-05 |
| chr11      | 48882001 | 48887000 | 0.000391785 |
| chr11      | 48883001 | 48888000 | 0.000384841 |
| chr11      | 48884001 | 48889000 | 0.001831717 |
| chr11      | 48930001 | 48935000 | 0.001226922 |
| chr11      | 48967001 | 48972000 | 7.23E-05 |
| chr11      | 49011001 | 49016000 | 1.53E-07 |
| chr11      | 49012001 | 49017000 | 7.53E-09 |
| chr11      | 49013001 | 49018000 | 3.14E-06 |
| chr11      | 49146001 | 49151000 | 8.66E-09 |
| chr11      | 49147001 | 49152000 | 4.75E-12 |
| chr11      | 49160001 | 49165000 | 5.61E-09 |
| chr11      | 49191001 | 49196000 | 0.012084663 |
| chr11      | 49204001 | 49209000 | 0.000554116 |
| chr11      | 49205001 | 49210000 | 3.55E-07 |
| chr11      | 49206001 | 49211000 | 2.91E-08 |
| chr11      | 49207001 | 49212000 | 3.68E-07 |
| chr11      | 49229001 | 49234000 | 5.21E-35 |
| chr11      | 49242001 | 49247000 | 0.012248636 |
| chr11      | 49243001 | 49248000 | 0.019570452 |
| chr11      | 49244001 | 49249000 | 0.032390918 |
| chr11      | 49251001 | 49256000 | 7.58E-05 |
| chr11      | 49252001 | 49257000 | 1.38E-05 |
| chr11      | 49253001 | 49258000 | 9.62E-05 |
| chr11      | 49254001 | 49259000 | 1.87E-05 |
| chr11      | 49268001 | 49273000 | 1.04E-05 |
| chr11      | 49291001 | 49296000 | 1.33E-12 |
| chr11      | 49292001 | 49297000 | 6.58E-10 |
| chr11      | 49293001 | 49298000 | 7.27E-11 |
| chr11      | 49294001 | 49299000 | 4.92E-17 |
| chr11      | 49295001 | 49300000 | 3.25E-09 |
| chr11      | 49296001 | 49301000 | 2.81E-10 |
| chr11      | 49298001 | 49303000 | 3.29E-05 |
| chr11      | 49318001 | 49323000 | 0.000833558 |
| chr11      | 49320001 | 49325000 | 0.00033721 |
| chr11      | 49321001 | 49326000 | 7.26E-05 |
| chr11      | 49322001 | 49327000 | 3.70E-08 |
| chr11      | 49329001 | 49334000 | 9.67E-10 |
| chr11      | 49330001 | 49335000 | 4.77E-12 |
| chr11      | 49331001 | 49336000 | 1.72E-09 |
| Chromosome | Start | End   | p-value   |
|------------|-------|-------|-----------|
| chr11      | 49332001 | 49337000 | 1.53E-10  |
| chr11      | 49333001 | 49338000 | 2.10E-10  |
| chr11      | 49346001 | 49351000 | 8.61E-10  |
| chr11      | 49347001 | 49352000 | 2.74E-10  |
| chr11      | 49350001 | 49355000 | 8.71E-07  |
| chr11      | 49374001 | 49379000 | 0.000134935|
| chr11      | 49375001 | 49380000 | 1.53E-06  |
| chr11      | 49376001 | 49381000 | 4.57E-05  |
| chr11      | 49377001 | 49382000 | 2.18E-05  |
| chr11      | 49379001 | 49384000 | 0.000172708|
| chr11      | 49443001 | 49448000 | 0.035806468|
| chr11      | 49494001 | 49499000 | 5.07E-05  |
| chr11      | 49724001 | 49729000 | 0.00176273|
| chr11      | 49725001 | 49730000 | 4.23E-06  |
| chr11      | 49726001 | 49731000 | 4.86E-06  |
| chr11      | 49746001 | 49751000 | 1.02E-15  |
| chr11      | 49747001 | 49752000 | 2.22E-13  |
| chr11      | 49749001 | 49754000 | 7.42E-06  |
| chr11      | 49750001 | 49755000 | 4.19E-05  |
| chr11      | 49751001 | 49756000 | 0.000209154|
| chr11      | 49951001 | 49956000 | 0.001009027|
| chr11      | 49952001 | 49957000 | 0.0005355 |
| chr11      | 49953001 | 49958000 | 0.00011467 |
| chr11      | 49961001 | 49966000 | 0.00024299 |
| chr11      | 49990001 | 49995000 | 0.000955121|
| chr11      | 50052001 | 50057000 | 0.00163954 |
| chr11      | 50054001 | 50059000 | 4.55E-05  |
| chr11      | 50100001 | 50105000 | 4.39E-07  |
| chr11      | 50101001 | 50106000 | 2.00E-08  |
| chr11      | 50161001 | 50166000 | 6.19E-06  |
| chr11      | 50212001 | 50217000 | 1.08E-08  |
| chr11      | 50275001 | 50280000 | 2.50E-06  |
| chr11      | 50276001 | 50281000 | 3.61E-08  |
| chr11      | 50277001 | 50282000 | 1.61E-08  |
| chr11      | 50278001 | 50283000 | 1.96E-11  |
| chr11      | 50279001 | 50284000 | 4.33E-12  |
| chr11      | 50285001 | 50290000 | 2.33E-16  |
| chr11      | 50429001 | 50434000 | 3.91E-09  |
| chr11      | 50430001 | 50435000 | 9.28E-09  |
| chr11      | 50431001 | 50436000 | 4.77E-09  |
| chr11      | 50502001 | 50507000 | 0.000214445|
| chr11      | 50503001 | 50508000 | 1.90E-05  |
| chr11      | 50504001 | 50509000 | 1.81E-06  |
| chr11      | 50505001 | 50510000 | 7.76E-08  |
| chr11      | 50506001 | 50511000 | 2.56E-06  |
| chr11      | 50507001 | 50512000 | 0.000253249|
| chr11      | 50609001 | 50614000 | 3.32E-05  |
| chr11      | 50610001 | 50615000 | 2.16E-05  |
| chr11 | 50661001 | 50666000 | 7.19E-07 |
|-------|----------|----------|-----------|
| chr11 | 50677001 | 50682000 | 0.000864574 |
| chr11 | 50678001 | 50683000 | 0.000100536 |
| chr11 | 50679001 | 50684000 | 1.05E-05 |
| chr11 | 50680001 | 50685000 | 5.68E-06 |
| chr11 | 50701001 | 50706000 | 1.04E-10 |
| chr11 | 50702001 | 50707000 | 2.89E-09 |
| chr11 | 50703001 | 50708000 | 5.43E-06 |
| chr11 | 50731001 | 50736000 | 2.53E-05 |
| chr11 | 50732001 | 50737000 | 0.000252511 |
| chr11 | 50733001 | 50738000 | 0.000872778 |
| chr11 | 50734001 | 50739000 | 0.000716176 |
| chr11 | 50735001 | 50740000 | 0.0013501945 |
| chr11 | 50736001 | 50741000 | 0.001293391 |
| chr11 | 50737001 | 50742000 | 0.000282299 |
| chr11 | 50738001 | 50743000 | 0.0001397428 |
| chr11 | 50739001 | 50744000 | 3.85E-05 |
| chr11 | 50740001 | 50745000 | 0.003591534 |
| chr11 | 50741001 | 50746000 | 0.000872778 |
| chr11 | 50742001 | 50747000 | 7.38E-08 |
| chr11 | 50743001 | 50748000 | 6.25E-14 |
| chr11 | 50744001 | 50749000 | 2.68E-09 |
| chr11 | 50745001 | 50750000 | 1.32E-05 |
| chr11 | 50746001 | 50751000 | 0.004997525 |
| chr11 | 50747001 | 50752000 | 0.005036000 |
| chr11 | 50748001 | 50753000 | 0.00507384 |
| chr11 | 50749001 | 50754000 | 2.32E-10 |
| chr11 | 50750001 | 50755000 | 8.99E-10 |
| chr11 | 50751001 | 50756000 | 8.56E-07 |
| chr11 | 50752001 | 50757000 | 0.001368519 |
| chr11 | 50753001 | 50758000 | 3.97E-11 |
| chr11 | 50754001 | 50759000 | 1.27E-09 |
| chr11 | 50755001 | 50760000 | 0.003591534 |
| chr11 | 50756001 | 50761000 | 0.003591534 |
| chr11 | 50757001 | 50762000 | 0.003591534 |
| chr11 | 50758001 | 50763000 | 0.003591534 |
| chr11 | 50759001 | 50764000 | 0.003591534 |
| chr11 | 50760001 | 50765000 | 0.003591534 |
| Chr | Start | End   | P-value |
|-----|-------|-------|---------|
| chr11 | 55562001 | 55567000 | 0.001576501 |
| chr11 | 55576001 | 55581000 | 4.75E-05 |
| chr11 | 55578001 | 55583000 | 1.67E-05 |
| chr11 | 55590001 | 55595000 | 0.000100671 |
| chr11 | 55591001 | 55596000 | 4.49E-05 |
| chr11 | 55592001 | 55597000 | 3.63E-05 |
| chr11 | 55593001 | 55598000 | 1.83E-09 |
| chr11 | 55594001 | 55599000 | 4.74E-11 |
| chr11 | 55595001 | 55600000 | 3.13E-10 |
| chr11 | 55596001 | 55601000 | 3.60E-09 |
| chr11 | 55597001 | 55602000 | 8.87E-09 |
| chr11 | 55602001 | 55607000 | 0.000303079 |
| chr11 | 55603001 | 55608000 | 1.00E-06 |
| chr11 | 55649001 | 55654000 | 6.42E-08 |
| chr11 | 55650001 | 55655000 | 1.57E-08 |
| chr11 | 55680001 | 55685000 | 1.50E-09 |
| chr11 | 55681001 | 55686000 | 8.67E-13 |
| chr11 | 55682001 | 55687000 | 1.05E-07 |
| chr11 | 55774001 | 55779000 | 7.03E-09 |
| chr11 | 55781001 | 55786000 | 8.84E-09 |
| chr11 | 55782001 | 55787000 | 5.91E-12 |
| chr11 | 55783001 | 55788000 | 5.47E-10 |
| chr11 | 55794001 | 55799000 | 0.000534273 |
| chr11 | 55795001 | 55800000 | 5.04E-05 |
| chr11 | 55886001 | 55891000 | 1.38E-06 |
| chr11 | 55887001 | 55892000 | 2.88E-05 |
| chr11 | 55888001 | 55893000 | 0.002543894 |
| chr11 | 55889001 | 55894000 | 0.002870496 |
| chr11 | 55901001 | 55906000 | 3.08E-05 |
| chr11 | 55928001 | 55933000 | 1.53E-09 |
| chr11 | 55929001 | 55934000 | 2.22E-08 |
| chr11 | 55930001 | 55935000 | 1.40E-05 |
| chr11 | 55932001 | 55937000 | 0.001105297 |
| chr11 | 55975001 | 55980000 | 1.00E-07 |
| chr11 | 55976001 | 55981000 | 1.17E-06 |
| chr11 | 55977001 | 55982000 | 1.48E-06 |
| chr11 | 55978001 | 55983000 | 2.77E-06 |
| chr11 | 55999001 | 56004000 | 3.29E-06 |
| chr11 | 56056001 | 56061000 | 2.15E-06 |
| chr11 | 56072001 | 56077000 | 4.03E-10 |
| chr11 | 56073001 | 56078000 | 1.55E-14 |
| chr11 | 56074001 | 56079000 | 1.73E-12 |
| chr11 | 56075001 | 56080000 | 5.72E-11 |
| chr11 | 56121001 | 56126000 | 0.000366086 |
| chr11 | 56170001 | 56175000 | 6.10E-07 |
| chr11 | 56237001 | 56242000 | 1.29E-05 |
| chr11 | 56255001 | 56260000 | 1.20E-06 |
| chr11 | 56256001 | 56261000 | 7.78E-08 |
| chr11 | Start | End | p-value |
|-------|-------|-----|---------|
| 56257001 | 56262000 | 1.97E-06 |
| 56274001 | 56279000 | 3.87E-12 |
| 56328001 | 56333000 | 4.77E-11 |
| 56336001 | 56341000 | 2.06E-05 |
| 56370001 | 56375000 | 8.78E-05 |
| 56376001 | 56381000 | 8.06E-10 |
| 56377001 | 56382000 | 8.58E-11 |
| 56378001 | 56383000 | 5.93E-11 |
| 56390001 | 56395000 | 4.04E-13 |
| 56392001 | 56397000 | 1.06E-14 |
| 56393001 | 56398000 | 1.82E-10 |
| 56394001 | 56399000 | 2.54E-08 |
| 56395001 | 56400000 | 4.80E-07 |
| 56399001 | 56404000 | 9.32E-07 |
| 56400001 | 56405000 | 0.001731667 |
| 56410001 | 56415000 | 0.001874395 |
| 56411001 | 56416000 | 4.43E-05 |
| 56433001 | 56438000 | 9.43E-06 |
| 56435001 | 56440000 | 9.81E-07 |
| 56436001 | 56441000 | 2.04E-06 |
| 56449001 | 56454000 | 7.35E-06 |
| 56451001 | 56456000 | 3.40E-08 |
| 56463001 | 56468000 | 1.80E-08 |
| 56475001 | 56480000 | 1.00E-05 |
| 56499001 | 56504000 | 0.000929751 |
| 56514001 | 56519000 | 2.32E-10 |
| 56515001 | 56520000 | 6.89E-09 |
| 56516001 | 56521000 | 4.62E-08 |
| 56553001 | 56558000 | 0.000224965 |
| 56588001 | 56593000 | 0.000255731 |
| 56590001 | 56595000 | 0.000233706 |
| 56620001 | 56625000 | 0.001576903 |
| 56621001 | 56626000 | 6.44E-07 |
| 56622001 | 56627000 | 1.07E-06 |
| 56751001 | 56756000 | 1.99E-08 |
| 56752001 | 56757000 | 2.94E-10 |
| 56753001 | 56758000 | 5.27E-08 |
| 56754001 | 56759000 | 2.05E-09 |
| 56787001 | 56792000 | 7.06E-13 |
| 56788001 | 56793000 | 3.15E-09 |
| 56789001 | 56794000 | 6.08E-07 |
| 56790001 | 56795000 | 3.68E-05 |
| 56825001 | 56830000 | 0.000354604 |
| 56837001 | 56842000 | 0.000543819 |
| 56838001 | 56843000 | 0.002460853 |
| 56840001 | 56845000 | 0.005231912 |
| 56851001 | 56856000 | 1.27E-07 |
| Chromosome | Start | End   | p-value         |
|------------|-------|-------|----------------|
| chr11      | 56852001 | 56857000 | 3.52E-07       |
| chr11      | 56853001 | 56858000 | 2.81E-06       |
| chr11      | 56854001 | 56859000 | 7.12E-05       |
| chr11      | 57099001 | 57104000 | 1.17E-17       |
| chr11      | 57101001 | 57106000 | 2.03E-28       |
| chr11      | 57102001 | 57107000 | 5.24E-20       |
| chr11      | 57103001 | 57108000 | 2.95E-13       |
| chr11      | 57335001 | 57340000 | 6.55E-19       |
| chr11      | 57431001 | 57436000 | 4.67E-37       |
| chr11      | 57475001 | 57480000 | 6.24E-08       |
| chr11      | 57504001 | 57509000 | 2.71E-09       |
| chr11      | 57714001 | 57719000 | 1.32E-11       |
| chr11      | 57754001 | 57759000 | 2.77E-11       |
| chr11      | 57755001 | 57760000 | 5.96E-12       |
| chr11      | 57757001 | 57762000 | 7.49E-10       |
| chr11      | 57758001 | 57763000 | 5.27E-06       |
| chr11      | 57761001 | 57766000 | 2.77E-09       |
| chr11      | 57762001 | 57767000 | 1.28E-08       |
| chr11      | 57794001 | 57799000 | 2.05E-07       |
| chr11      | 57840001 | 57845000 | 4.78E-05       |
| chr11      | 57841001 | 57846000 | 3.65E-05       |
| chr11      | 57844001 | 57849000 | 4.56E-06       |
| chr11      | 57845001 | 57850000 | 7.10E-06       |
| chr11      | 57847001 | 57852000 | 4.41E-05       |
| chr11      | 57881001 | 57886000 | 9.11E-05       |
| chr11      | 57895001 | 57900000 | 0.005625689    |
| chr11      | 58007001 | 58012000 | 0.003879284    |
| chr11      | 58008001 | 58013000 | 9.30E-05       |
| chr11      | 58009001 | 58014000 | 0.00011341     |
| chr11      | 58040001 | 58045000 | 7.25E-05       |
| chr11      | 58045001 | 58050000 | 3.20E-08       |
| chr11      | 58046001 | 58051000 | 2.26E-13       |
| chr11      | 58047001 | 58052000 | 7.14E-10       |
| chr11      | 58049001 | 58054000 | 8.00E-11       |
| chr11      | 58117001 | 58122000 | 3.69E-08       |
| chr11      | 58118001 | 58123000 | 6.58E-08       |
| chr11      | 58119001 | 58124000 | 2.77E-07       |
| chr11      | 58135001 | 58140000 | 7.08E-06       |
| chr11      | 58149001 | 58154000 | 0.00527878     |
| chr11      | 58150001 | 58155000 | 2.94E-05       |
| chr11      | 58151001 | 58156000 | 0.000105814    |
| chr11      | 58152001 | 58157000 | 9.80E-05       |
| chr11      | 58345001 | 58350000 | 9.54E-05       |
| chr11      | 58346001 | 58351000 | 1.83E-09       |
| chr11      | 58347001 | 58352000 | 1.25E-32       |
| chr11      | 58476001 | 58481000 | 0.000677262    |
| chr11      | 58477001 | 58482000 | 0.00019404     |
| chr11      | 58478001 | 58483000 | 0.004000062    |
| chr11 |       |       |            |
|-------|-------|-------|------------|
|       | 58479001 | 58484000 | 0.002640525 |
|       | 58513001 | 58518000 | 9.53E-07    |
|       | 58534001 | 58539000 | 1.17E-06    |
|       | 58550001 | 58555000 | 4.02E-05    |
|       | 58551001 | 58556000 | 0.000188254 |
|       | 58552001 | 58557000 | 2.06E-09    |
|       | 58553001 | 58558000 | 1.82E-06    |
|       | 58566001 | 58571000 | 0.004296092 |
|       | 58568001 | 58573000 | 0.00661374  |
|       | 58605001 | 58610000 | 0.005913058 |
|       | 58648001 | 58653000 | 7.74E-09    |
|       | 58649001 | 58654000 | 2.92E-09    |
|       | 58754001 | 58759000 | 1.11E-08    |
|       | 58764001 | 58769000 | 0.004124889 |
|       | 58765001 | 58770000 | 0.004575802 |
|       | 58776001 | 58781000 | 0.000679282 |
|       | 58785001 | 58790000 | 3.09E-07    |
|       | 58786001 | 58791000 | 1.68E-10    |
|       | 58806001 | 58811000 | 5.38E-05    |
|       | 58807001 | 58812000 | 1.14E-06    |
|       | 58808001 | 58813000 | 7.73E-11    |
|       | 58809001 | 58814000 | 5.43E-10    |
|       | 58810001 | 58815000 | 1.61E-11    |
|       | 58866001 | 58871000 | 2.33E-23    |
|       | 58867001 | 58872000 | 3.00E-27    |
|       | 58868001 | 58873000 | 1.31E-12    |
|       | 58869001 | 58874000 | 5.47E-15    |
|       | 58906001 | 58911000 | 5.22E-22    |
|       | 58912001 | 58917000 | 2.98E-34    |
|       | 58935001 | 58940000 | 3.43E-48    |
|       | 59065001 | 59070000 | 4.32E-07    |
|       | 59066001 | 59071000 | 3.20E-06    |
|       | 59113001 | 59118000 | 4.57E-13    |
|       | 59114001 | 59119000 | 2.90E-11    |
|       | 59115001 | 59120000 | 1.41E-12    |
|       | 59116001 | 59121000 | 1.73E-13    |
|       | 59117001 | 59122000 | 1.18E-09    |
|       | 59118001 | 59123000 | 8.37E-06    |
|       | 59120001 | 59125000 | 1.07E-05    |
|       | 59121001 | 59126000 | 0.000150476 |
|       | 59132001 | 59137000 | 3.36E-08    |
|       | 59133001 | 59138000 | 2.19E-09    |
|       | 59134001 | 59139000 | 2.19E-09    |
|       | 59141001 | 59146000 | 6.78E-07    |
|       | 59142001 | 59147000 | 1.27E-05    |
|       | 59153001 | 59158000 | 2.70E-05    |
|       | 59196001 | 59201000 | 0.000404048 |
|       | 59383001 | 59388000 | 2.57E-58    |
| Chromosome | Start Position | End Position | p-Value     |
|------------|----------------|--------------|-------------|
| chr11      | 59431001       | 59436000     | 1.95E-12    |
| chr11      | 59432001       | 59437000     | 3.39E-96    |
| chr11      | 59433001       | 59438000     | 3.69E-59    |
| chr11      | 59436001       | 59441000     | 7.40E-20    |
| chr11      | 59574001       | 59579000     | 1.34E-19    |
| chr11      | 59575001       | 59580000     | 9.64E-34    |
| chr11      | 59576001       | 59581000     | 1.29E-22    |
| chr11      | 59578001       | 59583000     | 8.84E-18    |
| chr11      | 59592001       | 59597000     | 4.10E-08    |
| chr11      | 59755001       | 59760000     | 2.61E-05    |
| chr11      | 59893001       | 59898000     | 4.77E-05    |
| chr11      | 59894001       | 59899000     | 1.09E-05    |
| chr11      | 59922001       | 59927000     | 0.039822585 |
| chr11      | 60009001       | 60014000     | 3.49E-05    |
| chr11      | 60040001       | 60045000     | 0.000258421 |
| chr11      | 60156001       | 60161000     | 2.27E-11    |
| chr11      | 60167001       | 60172000     | 1.10E-07    |
| chr11      | 60192001       | 60197000     | 1.98E-05    |
| chr11      | 60193001       | 60198000     | 0.000131419 |
| chr11      | 60194001       | 60199000     | 1.73E-05    |
| chr11      | 60196001       | 60201000     | 0.001360827 |
| chr11      | 60210001       | 60215000     | 3.36E-05    |
| chr11      | 60211001       | 60216000     | 0.000519966 |
| chr11      | 60241001       | 60246000     | 1.54E-09    |
| chr11      | 60311001       | 60316000     | 3.18E-06    |
| chr11      | 60312001       | 60317000     | 5.95E-05    |
| chr11      | 60367001       | 60372000     | 1.48E-06    |
| chr11      | 60368001       | 60373000     | 9.66E-07    |
| chr11      | 60369001       | 60374000     | 7.12E-08    |
| chr11      | 60373001       | 60378000     | 2.05E-05    |
| chr11      | 60374001       | 60379000     | 7.43E-05    |
| chr11      | 60376001       | 60381000     | 0.000205877 |
| chr11      | 60377001       | 60382000     | 3.67E-05    |
| chr11      | 60395001       | 60400000     | 0.001942118 |
| chr11      | 60396001       | 60401000     | 8.21E-06    |
| chr11      | 60439001       | 60444000     | 2.55E-05    |
| chr11      | 61156001       | 61161000     | 7.93E-13    |
| chr11      | 61157001       | 61162000     | 5.56E-17    |
| chr11      | 61158001       | 61163000     | 7.82E-15    |
| chr11      | 61159001       | 61164000     | 2.11E-25    |
| chr11      | 61160001       | 61165000     | 6.20E-22    |
| chr11      | 61192001       | 61197000     | 3.13E-17    |
| chr11      | 61193001       | 61198000     | 2.32E-34    |
| chr11      | 61445001       | 61450000     | 3.90E-09    |
| chr11      | 61582001       | 61587000     | 8.22E-38    |
| chr11      | 61583001       | 61588000     | 6.90E-39    |
| chr11      | 61584001       | 61589000     | 5.24E-33    |
| chr11      | 61591001       | 61596000     | 3.75E-11    |
| Chromosome | Start | End   | p-value     |
|------------|-------|-------|-------------|
| chr11      | 61654001 | 61659000 | 3.08E-14   |
| chr11      | 61655001 | 61660000 | 1.32E-13   |
| chr11      | 61684001 | 61689000 | 2.19E-10   |
| chr11      | 61735001 | 61740000 | 5.55E-10   |
| chr11      | 61887001 | 61892000 | 4.37E-25   |
| chr11      | 62023001 | 62028000 | 8.16E-06   |
| chr11      | 62024001 | 62029000 | 3.02E-06   |
| chr11      | 62074001 | 62079000 | 5.81E-13   |
| chr11      | 62075001 | 62080000 | 7.99E-25   |
| chr11      | 62076001 | 62081000 | 3.30E-21   |
| chr11      | 62077001 | 62082000 | 2.26E-19   |
| chr11      | 62336001 | 62341000 | 8.56E-14   |
| chr11      | 62337001 | 62342000 | 1.08E-22   |
| chr11      | 62417001 | 62422000 | 1.48E-12   |
| chr11      | 62419001 | 62424000 | 7.72E-12   |
| chr11      | 62428001 | 62433000 | 3.07E-10   |
| chr11      | 62527001 | 62532000 | 1.08E-18   |
| chr11      | 62528001 | 62533000 | 8.56E-29   |
| chr11      | 62529001 | 62534000 | 6.75E-17   |
| chr11      | 62534001 | 62539000 | 7.62E-11   |
| chr11      | 62595001 | 62600000 | 1.69E-27   |
| chr11      | 62602001 | 62607000 | 1.76E-09   |
| chr11      | 62792001 | 62797000 | 4.38E-11   |
| chr11      | 62793001 | 62798000 | 1.51E-14   |
| chr11      | 62794001 | 62799000 | 4.65E-09   |
| chr11      | 62804001 | 62809000 | 2.23E-07   |
| chr11      | 62810001 | 62815000 | 3.02E-09   |
| chr11      | 62812001 | 62817000 | 1.56E-09   |
| chr11      | 62813001 | 62818000 | 1.82E-08   |
| chr11      | 62819001 | 62824000 | 4.08E-08   |
| chr11      | 62832001 | 62837000 | 1.41E-08   |
| chr11      | 62833001 | 62838000 | 8.67E-09   |
| chr11      | 62834001 | 62839000 | 1.09E-08   |
| chr11      | 62849001 | 62854000 | 4.35E-06   |
| chr11      | 62850001 | 62855000 | 3.84E-08   |
| chr11      | 62851001 | 62856000 | 4.52E-07   |
| chr11      | 62852001 | 62857000 | 1.35E-08   |
| chr11      | 62853001 | 62858000 | 6.67E-08   |
| chr11      | 62854001 | 62859000 | 1.63E-09   |
| chr11      | 62898001 | 62903000 | 2.01E-08   |
| chr11      | 62899001 | 62904000 | 3.02E-10   |
| chr11      | 62900001 | 62905000 | 2.70E-07   |
| chr11      | 62901001 | 62906000 | 1.51E-09   |
| chr11      | 62902001 | 62907000 | 7.94E-14   |
| chr11      | 62903001 | 62908000 | 5.61E-12   |
| chr11      | 62905001 | 62910000 | 2.24E-07   |
| chr11      | 62924001 | 62929000 | 1.39E-07   |
| chr11      | 62925001 | 62930000 | 0.000101912 |
| Chr  | Start    | End      | P-value   |
|------|----------|----------|-----------|
| chr11| 62934001 | 62939000 | 6.14E-08  |
| chr11| 62935001 | 62940000 | 6.74E-08  |
| chr11| 62936001 | 62941000 | 7.14E-07  |
| chr11| 62937001 | 62942000 | 1.84E-07  |
| chr11| 62980001 | 62985000 | 5.91E-07  |
| chr11| 62981001 | 62986000 | 7.87E-08  |
| chr11| 62982001 | 62987000 | 0.001255462 |
| chr11| 62983001 | 62988000 | 2.90E-05  |
| chr11| 62984001 | 62989000 | 1.28E-05  |
| chr11| 62987001 | 62992000 | 1.83E-06  |
| chr11| 62988001 | 62993000 | 1.38E-05  |
| chr11| 62989001 | 62994000 | 7.87E-08  |
| chr11| 62990001 | 62995000 | 2.21E-10  |
| chr11| 62991001 | 62996000 | 3.78E-11  |
| chr11| 62992001 | 62997000 | 0.00319292 |
| chr11| 62993001 | 63000000 | 1.09E-09  |
| chr11| 630005001| 63010000 | 0.000636432|
| chr11| 63007001 | 63012000 | 1.85E-07  |
| chr11| 63008001 | 63013000 | 1.16E-08  |
| chr11| 63019001 | 63024000 | 6.26E-05  |
| chr11| 63020001 | 63025000 | 0.00063077|
| chr11| 63021001 | 63026000 | 0.000466099|
| chr11| 63022001 | 63027000 | 3.62E-05  |
| chr11| 63032001 | 63037000 | 1.60E-07  |
| chr11| 63033001 | 63038000 | 8.18E-06  |
| chr11| 63034001 | 63039000 | 1.67E-08  |
| chr11| 63035001 | 63040000 | 8.59E-09  |
| chr11| 63042001 | 63047000 | 1.97E-09  |
| chr11| 63043001 | 63048000 | 9.82E-08  |
| chr11| 63044001 | 63049000 | 9.42E-08  |
| chr11| 63045001 | 63050000 | 2.52E-07  |
| chr11| 63073001 | 63078000 | 0.001155157|
| chr11| 63097001 | 63102000 | 2.05E-08  |
| chr11| 63141001 | 63146000 | 1.18E-05  |
| chr11| 63142001 | 63147000 | 3.62E-05  |
| chr11| 63143001 | 63148000 | 4.54E-09  |
| chr11| 63144001 | 63149000 | 2.03E-09  |
| chr11| 63145001 | 63150000 | 1.52E-06  |
| chr11| 63157001 | 63162000 | 0.000424531|
| chr11| 63158001 | 63163000 | 6.05E-10  |
| chr11| 63159001 | 63164000 | 9.28E-08  |
| chr11| 63160001 | 63165000 | 5.86E-13  |
| chr11| 63161001 | 63166000 | 9.90E-14  |
| chr11| 63162001 | 63167000 | 1.81E-11  |
| chr11| 63163001 | 63168000 | 5.04E-07  |
| chr11| 63164001 | 63169000 | 8.87E-15  |
| chr11| 63165001 | 63170000 | 1.11E-12  |
| chr11| 63166001 | 63171000 | 4.54E-11  |
| chr11 | 63167001 | 63172000 | 9.52E-10 |
|--------|----------|----------|----------|
| chr11 | 63168001 | 63173000 | 2.23E-06 |
| chr11 | 63173001 | 63178000 | 0.001839304 |
| chr11 | 63254001 | 63259000 | 1.52E-22 |
| chr11 | 63255001 | 63260000 | 5.24E-16 |
| chr11 | 63535001 | 63540000 | 3.77E-20 |
| chr11 | 63536001 | 63541000 | 2.26E-26 |
| chr11 | 63579001 | 63584000 | 3.78E-30 |
| chr11 | 63580001 | 63585000 | 1.17E-30 |
| chr11 | 63581001 | 63586000 | 1.47E-12 |
| chr11 | 63738001 | 63743000 | 4.44E-13 |
| chr11 | 63933001 | 63938000 | 6.08E-32 |
| chr11 | 64007001 | 64012000 | 3.50E-09 |
| chr11 | 64008001 | 64013000 | 8.58E-06 |
| chr11 | 64014001 | 64019000 | 8.76E-16 |
| chr11 | 64015001 | 64020000 | 4.08E-12 |
| chr11 | 64016001 | 64021000 | 1.22E-07 |
| chr11 | 64048001 | 64053000 | 2.78E-31 |
| chr11 | 64049001 | 64054000 | 2.88E-20 |
| chr11 | 64050001 | 64055000 | 1.46E-08 |
| chr11 | 64059001 | 64064000 | 4.01E-07 |
| chr11 | 64212001 | 64217000 | 8.77E-23 |
| chr11 | 64310001 | 64315000 | 4.39E-08 |
| chr11 | 64511001 | 64516000 | 5.04E-08 |
| chr11 | 64576001 | 64581000 | 1.16E-13 |
| chr11 | 64577001 | 64582000 | 7.63E-14 |
| chr11 | 64692001 | 64697000 | 2.75E-13 |
| chr11 | 64777001 | 64782000 | 1.86E-18 |
| chr11 | 64778001 | 64783000 | 2.71E-23 |
| chr11 | 64779001 | 64784000 | 1.24E-27 |
| chr11 | 64780001 | 64785000 | 6.60E-14 |
| chr11 | 64781001 | 64786000 | 9.81E-17 |
| chr11 | 64849001 | 64854000 | 2.25E-06 |
| chr11 | 64900001 | 64905000 | 9.31E-12 |
| chr11 | 64901001 | 64906000 | 4.93E-30 |
| chr11 | 64902001 | 64907000 | 2.69E-17 |
| chr11 | 64944001 | 64949000 | 4.63E-13 |
| chr11 | 64945001 | 64950000 | 7.85E-36 |
| chr11 | 64946001 | 64951000 | 1.08E-25 |
| chr11 | 64947001 | 64952000 | 2.25E-10 |
| chr11 | 64992001 | 64997000 | 2.55E-12 |
| chr11 | 64993001 | 64998000 | 2.66E-12 |
| chr11 | 65308001 | 65313000 | 5.25E-06 |
| chr11 | 65420001 | 65425000 | 1.83E-10 |
| chr11 | 65430001 | 65435000 | 1.20E-35 |
| chr11 | 65484001 | 65489000 | 1.76E-13 |
| chr11 | 65485001 | 65490000 | 2.32E-26 |
| chr11 | 65486001 | 65491000 | 4.03E-29 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr11      | 65487001 | 65492000 | 2.98E-27   |
| chr11      | 65488001 | 65493000 | 4.29E-27   |
| chr11      | 65651001 | 65656000 | 1.80E-07   |
| chr11      | 65686001 | 65691000 | 1.48E-07   |
| chr11      | 65833001 | 65838000 | 3.29E-11   |
| chr11      | 65837001 | 65842000 | 1.25E-34   |
| chr11      | 66110001 | 66115000 | 5.77E-15   |
| chr11      | 66112001 | 66117000 | 4.09E-09   |
| chr11      | 66113001 | 66118000 | 3.18E-13   |
| chr11      | 66230001 | 66235000 | 2.98E-11   |
| chr11      | 66231001 | 66236000 | 1.26E-07   |
| chr11      | 66232001 | 66237000 | 1.08E-08   |
| chr11      | 66233001 | 66238000 | 2.88E-07   |
| chr11      | 66234001 | 66239000 | 1.62E-07   |
| chr11      | 66443001 | 66448000 | 7.04E-27   |
| chr11      | 66444001 | 66449000 | 1.87E-29   |
| chr11      | 66445001 | 66450000 | 3.34E-26   |
| chr11      | 66491001 | 66496000 | 1.42E-08   |
| chr11      | 66493001 | 66498000 | 1.75E-15   |
| chr11      | 66494001 | 66499000 | 1.06E-17   |
| chr11      | 66508001 | 66513000 | 1.30E-14   |
| chr11      | 66606001 | 66611000 | 3.70E-06   |
| chr11      | 66607001 | 66612000 | 8.44E-08   |
| chr11      | 66608001 | 66613000 | 5.22E-08   |
| chr11      | 66609001 | 66614000 | 2.83E-12   |
| chr11      | 66610001 | 66615000 | 3.97E-13   |
| chr11      | 66726001 | 66731000 | 1.16E-26   |
| chr11      | 66788001 | 66793000 | 2.56E-06   |
| chr11      | 66789001 | 66794000 | 5.47E-05   |
| chr11      | 66824001 | 66829000 | 1.02E-06   |
| chr11      | 67276001 | 67281000 | 1.56E-11   |
| chr11      | 67373001 | 67378000 | 1.43E-09   |
| chr11      | 67374001 | 67379000 | 2.01E-06   |
| chr11      | 67591001 | 67596000 | 9.84E-05   |
| chr11      | 67767001 | 67772000 | 7.08E-08   |
| chr11      | 67768001 | 67773000 | 2.01E-09   |
| chr11      | 67884001 | 67889000 | 2.16E-17   |
| chr11      | 67885001 | 67890000 | 6.37E-08   |
| chr11      | 67886001 | 67891000 | 4.99E-09   |
| chr11      | 68039001 | 68044000 | 1.79E-13   |
| chr11      | 68227001 | 68232000 | 5.53E-27   |
| chr11      | 68228001 | 68233000 | 4.19E-25   |
| chr11      | 68518001 | 68523000 | 2.47E-14   |
| chr11      | 68667001 | 68672000 | 1.62E-15   |
| chr11      | 68671001 | 68676000 | 7.17E-09   |
| chr11      | 70958001 | 70963000 | 7.10E-19   |
| chr11      | 70959001 | 70964000 | 4.49E-14   |
| chr11      | 71368001 | 71373000 | 2.71E-10   |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|-------------|---------|
| chr11      | 71376001       | 71381000    | 4.85E-09|
| chr11      | 71385001       | 71390000    | 8.42E-09|
| chr11      | 71411001       | 71416000    | 7.80E-11|
| chr11      | 71412001       | 71417000    | 1.42E-09|
| chr11      | 71521001       | 71526000    | 7.06E-18|
| chr11      | 71522001       | 71527000    | 2.68E-20|
| chr11      | 71523001       | 71528000    | 2.66E-19|
| chr11      | 71524001       | 71529000    | 1.45E-25|
| chr11      | 71931001       | 71936000    | 1.68E-13|
| chr11      | 71932001       | 71937000    | 3.29E-15|
| chr11      | 71933001       | 71938000    | 1.60E-16|
| chr11      | 71934001       | 71939000    | 8.49E-25|
| chr11      | 72351001       | 72356000    | 2.63E-11|
| chr11      | 72352001       | 72357000    | 5.58E-21|
| chr11      | 72353001       | 72358000    | 3.75E-32|
| chr11      | 72354001       | 72359000    | 7.47E-23|
| chr11      | 72520001       | 72525000    | 1.70E-17|
| chr11      | 72521001       | 72526000    | 1.63E-27|
| chr11      | 72525001       | 72530000    | 7.07E-07|
| chr11      | 72925001       | 72930000    | 9.79E-14|
| chr11      | 72926001       | 72931000    | 5.47E-11|
| chr11      | 72927001       | 72932000    | 4.01E-09|
| chr11      | 72928001       | 72933000    | 1.01E-10|
| chr11      | 72929001       | 72934000    | 2.64E-09|
| chr11      | 73305001       | 73310000    | 2.30E-15|
| chr11      | 73467001       | 73472000    | 4.84E-27|
| chr11      | 73588001       | 73593000    | 1.96E-16|
| chr11      | 73694001       | 73699000    | 1.30E-19|
| chr11      | 73877001       | 73882000    | 4.48E-29|
| chr11      | 73878001       | 73883000    | 9.18E-61|
| chr11      | 73879001       | 73884000    | 3.40E-61|
| chr11      | 73880001       | 73885000    | 1.29E-70|
| chr11      | 73881001       | 73886000    | 1.76E-67|
| chr11      | 73882001       | 73887000    | 1.77E-68|
| chr11      | 74200001       | 74205000    | 9.85E-35|
| chr11      | 74202001       | 74207000    | 9.30E-36|
| chr11      | 74203001       | 74208000    | 2.96E-60|
| chr11      | 74204001       | 74209000    | 9.46E-74|
| chr11      | 74205001       | 74210000    | 1.69E-15|
| chr11      | 74438001       | 74443000    | 4.72E-11|
| chr11      | 74439001       | 74444000    | 9.40E-12|
| chr11      | 74440001       | 74445000    | 4.03E-13|
| chr11      | 74441001       | 74446000    | 5.33E-12|
| chr11      | 74458001       | 74463000    | 8.25E-27|
| chr11      | 74459001       | 74464000    | 1.56E-35|
| chr11      | 74460001       | 74465000    | 4.53E-92|
| chr11      | 75106001       | 75111000    | 2.53E-19|
| chr11      | 75290001       | 75295000    | 1.74E-16|
| Chr | Start | End   | p-value |
|-----|-------|-------|---------|
| chr11 | 75291001 | 75296000 | 2.53E-10 |
| chr11 | 75475001 | 75480000 | 9.93E-15 |
| chr11 | 75476001 | 75481000 | 1.06E-16 |
| chr11 | 75477001 | 75482000 | 3.65E-33 |
| chr11 | 75478001 | 75483000 | 2.98E-33 |
| chr11 | 75479001 | 75484000 | 7.19E-39 |
| chr11 | 75521001 | 75526000 | 6.17E-14 |
| chr11 | 75522001 | 75527000 | 1.98E-19 |
| chr11 | 76155001 | 76160000 | 6.27E-40 |
| chr11 | 76156001 | 76161000 | 6.20E-57 |
| chr11 | 76567001 | 76572000 | 2.15E-22 |
| chr11 | 76568001 | 76573000 | 1.35E-30 |
| chr11 | 76569001 | 76574000 | 3.43E-39 |
| chr11 | 76570001 | 76575000 | 4.20E-28 |
| chr11 | 76571001 | 76576000 | 6.67E-35 |
| chr11 | 76572001 | 76577000 | 3.24E-21 |
| chr11 | 77118001 | 77123000 | 1.25E-31 |
| chr11 | 77301001 | 77306000 | 5.98E-23 |
| chr11 | 78894001 | 78899000 | 2.93E-07 |
| chr11 | 78895001 | 78900000 | 1.42E-06 |
| chr11 | 78896001 | 78901000 | 8.64E-06 |
| chr11 | 78897001 | 78902000 | 1.93E-24 |
| chr11 | 78991001 | 78996000 | 1.54E-10 |
| chr11 | 79001001 | 79006000 | 1.00E-06 |
| chr11 | 79071001 | 79076000 | 7.71E-07 |
| chr11 | 79072001 | 79077000 | 2.60E-08 |
| chr11 | 79073001 | 79078000 | 1.79E-11 |
| chr11 | 79074001 | 79079000 | 1.51E-11 |
| chr11 | 79075001 | 79080000 | 1.37E-13 |
| chr11 | 79076001 | 79081000 | 6.09E-11 |
| chr11 | 79077001 | 79082000 | 1.57E-08 |
| chr11 | 79155001 | 79160000 | 5.92E-06 |
| chr11 | 79163001 | 79168000 | 3.60E-08 |
| chr11 | 79170001 | 79175000 | 5.11E-06 |
| chr11 | 79171001 | 79176000 | 4.63E-10 |
| chr11 | 79172001 | 79177000 | 3.94E-07 |
| chr11 | 79198001 | 79203000 | 1.19E-05 |
| chr11 | 79253001 | 79258000 | 0.007424199 |
| chr11 | 79254001 | 79259000 | 4.89E-05 |
| chr11 | 79431001 | 79436000 | 3.88E-05 |
| chr11 | 79432001 | 79437000 | 3.03E-07 |
| chr11 | 79433001 | 79438000 | 4.68E-06 |
| chr11 | 79643001 | 79648000 | 0.00386766 |
| chr11 | 79644001 | 79649000 | 0.001746423 |
| chr11 | 79647001 | 79652000 | 8.49E-05 |
| chr11 | 79726001 | 79731000 | 9.78E-05 |
| chr11 | 79727001 | 79732000 | 1.23E-05 |
| chr11 | 79728001 | 79733000 | 2.38E-06 |
| chr11 |     |     |          |          |
|-------|-----|-----|----------|----------|
|       | 79729001 | 79734000 | 0.000196364 |
|       | 79763001 | 79768000 | 8.73E-06     |
|       | 79764001 | 79769000 | 1.56E-05     |
|       | 79790001 | 79795000 | 0.001185629  |
|       | 79791001 | 79796000 | 3.35E-05     |
|       | 79792001 | 79797000 | 9.65E-05     |
|       | 79793001 | 79798000 | 1.65E-05     |
|       | 79844001 | 79849000 | 3.92E-06     |
|       | 79869001 | 79874000 | 0.000196446  |
|       | 79870001 | 79875000 | 2.57E-05     |
|       | 79972001 | 79977000 | 2.69E-06     |
|       | 79973001 | 79978000 | 0.00589147   |
|       | 79974001 | 79979000 | 9.22E-06     |
|       | 79975001 | 79980000 | 4.76E-05     |
|       | 80015001 | 80020000 | 8.63E-08     |
|       | 80176001 | 80181000 | 7.16E-06     |
|       | 80232001 | 80237000 | 0.010795469  |
|       | 80316001 | 80321000 | 3.35E-05     |
|       | 80317001 | 80322000 | 4.65E-05     |
|       | 80385001 | 80390000 | 4.47E-09     |
|       | 80386001 | 80391000 | 4.63E-09     |
|       | 80387001 | 80392000 | 8.55E-09     |
|       | 80388001 | 80393000 | 1.16E-05     |
|       | 80389001 | 80394000 | 0.000454289  |
|       | 80699001 | 80704000 | 4.89E-07     |
|       | 80891001 | 80896000 | 0.002177288  |
|       | 80906001 | 80911000 | 1.58E-08     |
|       | 81017001 | 81022000 | 5.34E-06     |
|       | 81018001 | 81023000 | 1.26E-05     |
|       | 81019001 | 81024000 | 0.000112724  |
|       | 81066001 | 81071000 | 2.47E-07     |
|       | 81067001 | 81072000 | 8.29E-06     |
|       | 81359001 | 81364000 | 8.31E-09     |
|       | 82007001 | 82012000 | 0.000318757  |
|       | 82008001 | 82013000 | 0.000178613  |
|       | 82020001 | 82025000 | 2.76E-05     |
|       | 82030001 | 82035000 | 0.000477239  |
|       | 82169001 | 82174000 | 3.02E-05     |
|       | 82170001 | 82175000 | 2.00E-07     |
|       | 82298001 | 82303000 | 0.000642805  |
|       | 82299001 | 82304000 | 0.000859483  |
|       | 82389001 | 82394000 | 1.34E-06     |
|       | 82442001 | 82447000 | 7.28E-37     |
|       | 82443001 | 82448000 | 2.01E-34     |
|       | 82444001 | 82449000 | 2.39E-47     |
|       | 82864001 | 82869000 | 7.11E-35     |
|       | 82901001 | 82906000 | 4.61E-45     |
|       | 82902001 | 82907000 | 1.43E-36     |
| Chromosome | Start | End | P-value |
|------------|-------|-----|---------|
| chr11      | 82903001 | 82908000 | 1.57E-75 |
| chr11      | 82904001 | 82909000 | 1.51E-59 |
| chr11      | 82905001 | 82910000 | 3.38E-65 |
| chr11      | 83108001 | 83113000 | 0.001301054 |
| chr11      | 83204001 | 83209000 | 0.002297702 |
| chr11      | 83205001 | 83210000 | 0.001579464 |
| chr11      | 83450001 | 83455000 | 0.003287053 |
| chr11      | 83451001 | 83456000 | 0.005137149 |
| chr11      | 83647001 | 83652000 | 2.61E-06 |
| chr11      | 83704001 | 83709000 | 0.00342592 |
| chr11      | 83705001 | 83710000 | 0.00207049 |
| chr11      | 83715001 | 83720000 | 0.000552814 |
| chr11      | 83815001 | 83820000 | 1.26E-06 |
| chr11      | 83816001 | 83821000 | 2.62E-06 |
| chr11      | 84022001 | 84027000 | 4.72E-10 |
| chr11      | 84023001 | 84028000 | 1.07E-11 |
| chr11      | 84024001 | 84029000 | 1.22E-13 |
| chr11      | 84114001 | 84119000 | 0.000729411 |
| chr11      | 84139001 | 84144000 | 0.000963256 |
| chr11      | 84141001 | 84146000 | 0.000738088 |
| chr11      | 84190001 | 84195000 | 0.000457822 |
| chr11      | 84198001 | 84203000 | 9.88E-07 |
| chr11      | 84199001 | 84204000 | 3.64E-05 |
| chr11      | 84200001 | 84205000 | 1.73E-05 |
| chr11      | 84249001 | 84254000 | 2.75E-09 |
| chr11      | 84349001 | 84354000 | 1.56E-05 |
| chr11      | 84384001 | 84389000 | 0.002679934 |
| chr11      | 84434001 | 84439000 | 6.39E-06 |
| chr11      | 84436001 | 84441000 | 5.06E-11 |
| chr11      | 84437001 | 84442000 | 4.39E-10 |
| chr11      | 84472001 | 84477000 | 0.00113717 |
| chr11      | 84479001 | 84484000 | 0.001934495 |
| chr11      | 84498001 | 84503000 | 3.30E-05 |
| chr11      | 84499001 | 84504000 | 4.09E-05 |
| chr11      | 84514001 | 84519000 | 2.99E-06 |
| chr11      | 84516001 | 84521000 | 0.001216879 |
| chr11      | 84800001 | 84805000 | 0.002553854 |
| chr11      | 84801001 | 84806000 | 0.005814789 |
| chr11      | 84802001 | 84807000 | 0.001942118 |
| chr11      | 84831001 | 84836000 | 1.59E-11 |
| chr11      | 84832001 | 84837000 | 1.95E-11 |
| chr11      | 84853001 | 84858000 | 1.92E-06 |
| chr11      | 84861001 | 84866000 | 0.000817936 |
| chr11      | 84938001 | 84943000 | 0.000765546 |
| chr11      | 84940001 | 84945000 | 0.000726387 |
| chr11      | 84978001 | 84983000 | 4.59E-05 |
| chr11      | 84979001 | 84984000 | 7.35E-06 |
| chr11      | 85023001 | 85028000 | 1.34E-06 |
| Chr  | Start   | End     | p-value |
|------|---------|---------|---------|
| chr11| 8502000 | 8502500 | 3.34E-05|
| chr11| 8502500 | 8503000 | 6.16E-05|
| chr11| 8508800 | 8509300 | 0.014133822|
| chr11| 8510900 | 8511400 | 1.14E-08 |
| chr11| 8511000 | 8511500 | 1.68E-12 |
| chr11| 8511700 | 8512200 | 8.02E-05 |
| chr11| 8511800 | 8512300 | 0.000115269|
| chr11| 8518900 | 8519400 | 9.70E-07 |
| chr11| 8519000 | 8519500 | 2.35E-07 |
| chr11| 8519100 | 8519600 | 8.57E-10 |
| chr11| 8524200 | 8524700 | 2.88E-06 |
| chr11| 8525200 | 8525700 | 6.26E-10 |
| chr11| 8525300 | 8525800 | 2.60E-11 |
| chr11| 8525400 | 8525900 | 1.92E-12 |
| chr11| 8528500 | 8529000 | 0.00049535|
| chr11| 8537600 | 8538100 | 9.31E-19 |
| chr11| 8538800 | 8539300 | 0.014521962|
| chr11| 8542500 | 8543000 | 7.47E-06 |
| chr11| 8577900 | 8578400 | 7.81E-32 |
| chr11| 8578000 | 8578500 | 8.62E-24 |
| chr11| 8590900 | 8591400 | 5.61E-19 |
| chr11| 8591000 | 8591500 | 3.23E-19 |
| chr11| 8591100 | 8591600 | 1.51E-18 |
| chr11| 8591200 | 8591700 | 1.18E-18 |
| chr11| 8591300 | 8591800 | 1.13E-16 |
| chr11| 8608100 | 8608600 | 7.24E-20 |
| chr11| 8608300 | 8608800 | 3.93E-13 |
| chr11| 8608400 | 8608900 | 6.01E-17 |
| chr11| 8608500 | 8609000 | 1.32E-17 |
| chr11| 8637900 | 8638400 | 5.03E-20 |
| chr11| 8638000 | 8638500 | 8.62E-36 |
| chr11| 8638100 | 8638600 | 4.63E-36 |
| chr11| 8638200 | 8638700 | 2.88E-40 |
| chr11| 8638300 | 8638800 | 3.48E-29 |
| chr11| 8650700 | 8651200 | 6.02E-44 |
| chr11| 8650800 | 8651300 | 1.34E-50 |
| chr11| 8650900 | 8651400 | 2.72E-41 |
| chr11| 8666200 | 8666700 | 4.87E-36 |
| chr11| 8666300 | 8666800 | 2.61E-26 |
| chr11| 8666400 | 8666900 | 5.57E-20 |
| chr11| 8674900 | 8675400 | 2.10E-31 |
| chr11| 8724900 | 8725400 | 0.000114434|
| chr11| 8789500 | 8790000 | 0.0001629643|
| chr11| 8790600 | 8791100 | 1.14E-21 |
| chr11| 8790800 | 8791300 | 4.18E-18 |
| chr11| 8792000 | 8792500 | 4.36E-06 |
| chr11| 8796900 | 8797400 | 0.000404392|
| chr11| 8818700 | 8819200 | 0.000248992|
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chr11      | 88242001       | 88247000     | 3.00E-13 |
| chr11      | 88716001       | 88721000     | 7.66E-21 |
| chr11      | 88718001       | 88723000     | 3.44E-09 |
| chr11      | 88719001       | 88724000     | 1.47E-11 |
| chr11      | 89920001       | 89925000     | 0.000812895 |
| chr11      | 89956001       | 89961000     | 1.10E-30 |
| chr11      | 89971001       | 89976000     | 3.53E-20 |
| chr11      | 89973001       | 89978000     | 8.77E-20 |
| chr11      | 90137001       | 90142000     | 4.07E-06 |
| chr11      | 90357001       | 90362000     | 0.001838299 |
| chr11      | 90896001       | 90901000     | 0.001091306 |
| chr11      | 90897001       | 90902000     | 0.001770284 |
| chr11      | 90967001       | 90972000     | 0.002792488 |
| chr11      | 91306001       | 91311000     | 1.46E-05 |
| chr11      | 91625001       | 91630000     | 0.000472473 |
| chr11      | 91626001       | 91631000     | 3.31E-05 |
| chr11      | 91627001       | 91632000     | 3.73E-05 |
| chr11      | 91677001       | 91682000     | 1.82E-05 |
| chr11      | 92310001       | 92315000     | 0.003212184 |
| chr11      | 93061001       | 93066000     | 9.54E-32 |
| chr11      | 93062001       | 93067000     | 8.50E-37 |
| chr11      | 93063001       | 93068000     | 1.23E-34 |
| chr11      | 93122001       | 93127000     | 0.000441259 |
| chr11      | 93123001       | 93128000     | 0.01504752 |
| chr11      | 93153001       | 93158000     | 0.002330637 |
| chr11      | 93157001       | 93162000     | 0.000263259 |
| chr11      | 93159001       | 93164000     | 0.001438602 |
| chr11      | 93272001       | 93277000     | 1.11E-29 |
| chr11      | 93273001       | 93278000     | 2.43E-22 |
| chr11      | 93274001       | 93279000     | 3.58E-19 |
| chr11      | 93276001       | 93281000     | 1.15E-20 |
| chr11      | 93390001       | 93395000     | 5.04E-22 |
| chr11      | 93391001       | 93396000     | 6.32E-32 |
| chr11      | 93392001       | 93397000     | 2.57E-35 |
| chr11      | 93393001       | 93398000     | 9.70E-49 |
| chr11      | 93394001       | 93399000     | 3.50E-50 |
| chr11      | 93395001       | 93400000     | 1.21E-36 |
| chr11      | 93513001       | 93518000     | 3.60E-37 |
| chr11      | 93514001       | 93519000     | 7.39E-45 |
| chr11      | 93515001       | 93520000     | 1.48E-45 |
| chr11      | 93516001       | 93521000     | 9.90E-49 |
| chr11      | 93517001       | 93522000     | 8.97E-54 |
| chr11      | 93518001       | 93523000     | 2.14E-20 |
| chr11      | 93579001       | 93584000     | 2.28E-12 |
| chr11      | 93580001       | 93585000     | 1.36E-11 |
| chr11      | 93581001       | 93586000     | 1.02E-11 |
| chr11      | 93582001       | 93587000     | 2.94E-12 |
| chr11      | 93858001       | 93863000     | 7.90E-22 |
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|---------------|
| chr11      | 93985001 | 93990000 | 7.20E-10     |
| chr11      | 93986001 | 93991000 | 6.28E-07     |
| chr11      | 93992001 | 93997000 | 0.00019914   |
| chr11      | 93993001 | 93998000 | 2.25E-05     |
| chr11      | 94223001 | 94228000 | 6.08E-32     |
| chr11      | 94224001 | 94229000 | 2.00E-36     |
| chr11      | 94226001 | 94231000 | 2.19E-44     |
| chr11      | 94227001 | 94232000 | 6.92E-55     |
| chr11      | 94241001 | 94246000 | 4.11E-53     |
| chr11      | 94242001 | 94247000 | 7.19E-49     |
| chr11      | 94243001 | 94248000 | 1.89E-33     |
| chr11      | 94244001 | 94249000 | 9.12E-24     |
| chr11      | 94273001 | 94278000 | 7.33E-39     |
| chr11      | 94469001 | 94474000 | 6.97E-13     |
| chr11      | 94470001 | 94475000 | 3.47E-12     |
| chr11      | 94471001 | 94476000 | 2.51E-15     |
| chr11      | 94472001 | 94477000 | 1.73E-17     |
| chr11      | 94473001 | 94478000 | 4.06E-17     |
| chr11      | 94474001 | 94479000 | 2.17E-10     |
| chr11      | 94497001 | 94502000 | 6.58E-40     |
| chr11      | 94498001 | 94503000 | 1.12E-45     |
| chr11      | 94499001 | 94504000 | 1.13E-47     |
| chr11      | 94501001 | 94506000 | 5.21E-43     |
| chr11      | 94502001 | 94507000 | 5.89E-30     |
| chr11      | 94506001 | 94511000 | 7.88E-08     |
| chr11      | 94508001 | 94513000 | 1.23E-06     |
| chr11      | 94702001 | 94707000 | 1.68E-33     |
| chr11      | 94703001 | 94708000 | 1.96E-49     |
| chr11      | 94704001 | 94709000 | 4.96E-59     |
| chr11      | 94705001 | 94710000 | 4.19E-56     |
| chr11      | 94706001 | 94711000 | 4.63E-74     |
| chr11      | 94707001 | 94712000 | 3.98E-17     |
| chr11      | 94796001 | 94801000 | 7.43E-46     |
| chr11      | 94823001 | 94828000 | 6.97E-51     |
| chr11      | 95166001 | 95171000 | 6.81E-07     |
| chr11      | 95167001 | 95172000 | 4.13E-06     |
| chr11      | 95243001 | 95248000 | 0.000122062  |
| chr11      | 95378001 | 95383000 | 0.000237462  |
| chr11      | 95518001 | 95523000 | 1.34E-105    |
| chr11      | 95519001 | 95524000 | 3.25E-87     |
| chr11      | 95652001 | 95657000 | 2.08E-16     |
| chr11      | 95653001 | 95658000 | 8.34E-52     |
| chr11      | 95654001 | 95659000 | 9.04E-74     |
| chr11      | 95655001 | 95660000 | 1.28E-77     |
| chr11      | 95656001 | 95661000 | 1.01E-55     |
| chr11      | 95657001 | 95662000 | 1.09E-57     |
| chr11      | 96118001 | 96123000 | 1.66E-55     |
| chr11      | 96119001 | 96124000 | 2.62E-57     |
| Chr  | Start       | End         | P-value          |
|------|-------------|-------------|------------------|
| chr11| 101380001   | 101385000   | 1.79E-10         |
| chr11| 101381001   | 101386000   | 6.22E-09         |
| chr11| 101382001   | 101387000   | 2.33E-07         |
| chr11| 101386001   | 101391000   | 9.11E-05         |
| chr11| 101387001   | 101392000   | 1.54E-09         |
| chr11| 101390001   | 101395000   | 3.38E-07         |
| chr11| 101391001   | 101396000   | 6.94E-11         |
| chr11| 101420001   | 101425000   | 0.004123758      |
| chr11| 101422001   | 101427000   | 1.55E-05         |
| chr11| 101423001   | 101428000   | 3.87E-05         |
| chr11| 101424001   | 101429000   | 7.46E-05         |
| chr11| 101781001   | 101786000   | 7.18E-24         |
| chr11| 101782001   | 101787000   | 8.46E-29         |
| chr11| 101783001   | 101788000   | 2.68E-40         |
| chr11| 101784001   | 101789000   | 2.97E-31         |
| chr11| 101785001   | 101790000   | 7.37E-28         |
| chr11| 101786001   | 101791000   | 1.93E-14         |
| chr11| 101869001   | 101874000   | 0.003365516      |
| chr11| 101914001   | 101919000   | 2.43E-13         |
| chr11| 101915001   | 101920000   | 5.64E-16         |
| chr11| 101916001   | 101921000   | 1.84E-20         |
| chr11| 101917001   | 101922000   | 1.07E-14         |
| chr11| 101918001   | 101923000   | 8.33E-30         |
| chr11| 101976001   | 101981000   | 8.17E-17         |
| chr11| 101977001   | 101982000   | 2.68E-30         |
| chr11| 102138001   | 102143000   | 6.37E-17         |
| chr11| 102139001   | 102144000   | 5.89E-21         |
| chr11| 102266001   | 102271000   | 0.000146234      |
| chr11| 102318001   | 102323000   | 9.22E-24         |
| chr11| 102962001   | 102967000   | 2.92E-50         |
| chr11| 102963001   | 102968000   | 2.05E-12         |
| chr11| 103639001   | 103644000   | 8.94E-06         |
| chr11| 104032001   | 104037000   | 3.97E-19         |
| chr11| 104033001   | 104038000   | 5.30E-19         |
| chr11| 104034001   | 104039000   | 1.37E-19         |
| chr11| 104035001   | 104040000   | 2.00E-14         |
| chr11| 104369001   | 104374000   | 0.000183362      |
| chr11| 104370001   | 104375000   | 7.88E-07         |
| chr11| 104476001   | 104481000   | 0.004304629      |
| chr11| 104565001   | 104570000   | 0.001664279      |
| chr11| 105029001   | 105034000   | 3.51E-11         |
| chr11| 105030001   | 105035000   | 1.77E-09         |
| chr11| 105153001   | 105158000   | 0.001231359      |
| chr11| 105475001   | 105480000   | 0.005259046      |
| chr11| 105476001   | 105481000   | 1.31E-16         |
| chr11| 105818001   | 105823000   | 6.40E-05         |
| chr11| 105819001   | 105824000   | 0.001648904      |
| chr11| 105888001   | 105893000   | 3.03E-29         |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr11      | 105889001      | 105894000    | 1.29E-21|
| chr11      | 105890001      | 105895000    | 7.62E-28|
| chr11      | 105891001      | 105896000    | 5.11E-22|
| chr11      | 105893001      | 105898000    | 2.10E-11|
| chr11      | 105943001      | 105948000    | 3.76E-17|
| chr11      | 106151001      | 106156000    | 0.001879683|
| chr11      | 106152001      | 106157000    | 0.001545977|
| chr11      | 106158001      | 106163000    | 0.000919676|
| chr11      | 106159001      | 106164000    | 0.00248537|
| chr11      | 106160001      | 106165000    | 2.83E-34|
| chr11      | 106161001      | 106166000    | 0.003017008|
| chr11      | 107296001      | 107301000    | 1.11E-07|
| chr11      | 107297001      | 107302000    | 1.91E-06|
| chr11      | 107298001      | 107303000    | 4.75E-06|
| chr11      | 107326001      | 107331000    | 2.94E-17|
| chr11      | 107457001      | 107462000    | 4.88E-37|
| chr11      | 107464001      | 107469000    | 0.000226433|
| chr11      | 107502001      | 107507000    | 1.48E-05|
| chr11      | 107875001      | 107880000    | 6.53E-19|
| chr11      | 107989001      | 107994000    | 9.41E-09|
| chr11      | 107990001      | 107995000    | 4.07E-10|
| chr11      | 107991001      | 107996000    | 6.38E-12|
| chr11      | 107992001      | 107997000    | 7.74E-15|
| chr11      | 108368001      | 108373000    | 5.14E-33|
| chr11      | 108369001      | 108374000    | 2.18E-43|
| chr11      | 108459001      | 108464000    | 5.96E-11|
| chr11      | 108461001      | 108466000    | 2.16E-14|
| chr11      | 108462001      | 108467000    | 1.28E-22|
| chr11      | 108463001      | 108468000    | 1.78E-20|
| chr11      | 108720001      | 108725000    | 0.000392741|
| chr11      | 108979001      | 108984000    | 1.58E-09|
| chr11      | 109006001      | 109011000    | 8.21E-20|
| chr11      | 109007001      | 109012000    | 5.15E-14|
| chr11      | 109008001      | 109013000    | 1.40E-11|
| chr11      | 109009001      | 109014000    | 2.31E-12|
| chr11      | 109138001      | 109143000    | 0.000176425|
| chr11      | 109181001      | 109186000    | 1.50E-08|
| chr11      | 109300001      | 109305000    | 0.000299921|
| chr11      | 109373001      | 109378000    | 0.001515627|
| chr11      | 109374001      | 109379000    | 0.000203274|
| chr11      | 109375001      | 109380000    | 0.000193126|
| chr11      | 109376001      | 109381000    | 0.003252734|
| chr11      | 109377001      | 109382000    | 0.003760182|
| chr11      | 109413001      | 109418000    | 1.14E-05|
| chr11      | 109775001      | 109780000    | 0.002627953|
| chr11      | 109776001      | 109781000    | 0.002085519|
| chr11      | 109960001      | 109965000    | 5.84E-33|
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr11      | 109961001      | 109966000    | 1.32E-31|
| chr11      | 109962001      | 109967000    | 2.03E-60|
| chr11      | 109963001      | 109968000    | 1.67E-74|
| chr11      | 109964001      | 109969000    | 6.41E-79|
| chr11      | 110163001      | 110168000    | 3.01E-52|
| chr11      | 110166001      | 110171000    | 7.40E-40|
| chr11      | 110296001      | 110301000    | 1.57E-40|
| chr11      | 110297001      | 110302000    | 1.39E-48|
| chr11      | 110298001      | 110303000    | 1.01E-40|
| chr11      | 110299001      | 110304000    | 6.53E-38|
| chr11      | 110465001      | 110470000    | 6.75E-08|
| chr11      | 110489001      | 110494000    | 0.000403743|
| chr11      | 110490001      | 110495000    | 9.20E-05|
| chr11      | 110578001      | 110583000    | 1.98E-28|
| chr11      | 110635001      | 110640000    | 0.003070126|
| chr11      | 110731001      | 110736000    | 0.002283379|
| chr11      | 110761001      | 110766000    | 5.40E-05|
| chr11      | 110866001      | 110871000    | 0.000791044|
| chr11      | 111006001      | 111011000    | 9.86E-06|
| chr11      | 111131001      | 111136000    | 3.49E-12|
| chr11      | 111132001      | 111137000    | 7.03E-07|
| chr11      | 111379001      | 111384000    | 1.19E-20|
| chr11      | 111384001      | 111389000    | 6.56E-22|
| chr11      | 111407001      | 111412000    | 4.36E-30|
| chr11      | 111408001      | 111413000    | 2.22E-18|
| chr11      | 111409001      | 111414000    | 1.31E-28|
| chr11      | 111410001      | 111415000    | 1.40E-24|
| chr11      | 111411001      | 111416000    | 1.44E-33|
| chr11      | 111412001      | 111417000    | 7.74E-21|
| chr11      | 111636001      | 111641000    | 3.08E-14|
| chr11      | 111738001      | 111743000    | 1.23E-15|
| chr11      | 111740001      | 111745000    | 5.29E-13|
| chr11      | 111741001      | 111746000    | 7.33E-13|
| chr11      | 111742001      | 111747000    | 8.16E-15|
| chr11      | 111807001      | 111812000    | 4.88E-10|
| chr11      | 111808001      | 111813000    | 5.94E-08|
| chr11      | 111891001      | 111896000    | 2.87E-21|
| chr11      | 111892001      | 111897000    | 2.65E-31|
| chr11      | 112093001      | 112098000    | 5.68E-38|
| chr11      | 112094001      | 112099000    | 1.46E-44|
| chr11      | 112095001      | 112100000    | 1.06E-33|
| chr11      | 112147001      | 112152000    | 7.46E-14|
| chr11      | 112150001      | 112155000    | 4.85E-11|
| chr11      | 112159001      | 112164000    | 2.82E-15|
| chr11      | 112160001      | 112165000    | 1.96E-24|
| chr11      | 112345001      | 112440000    | 2.49E-09|
| chr11      | 112430001      | 112441000    | 4.02E-07|
| chr11      | 112932001      | 112937000    | 0.005163257|
|chr11| 112962001 | 112967000 | 3.91E-07 |
|chr11| 113013001 | 113018000 | 3.33E-05 |
|chr11| 113343001 | 113348000 | 1.42E-24 |
|chr11| 113344001 | 113349000 | 3.48E-23 |
|chr11| 113345001 | 113350000 | 1.52E-23 |
|chr11| 113640001 | 113645000 | 1.92E-18 |
|chr11| 113641001 | 113646000 | 7.12E-12 |
|chr11| 113642001 | 113647000 | 1.21E-33 |
|chr11| 113643001 | 113648000 | 1.16E-24 |
|chr11| 113644001 | 113649000 | 4.46E-18 |
|chr11| 114207001 | 114212000 | 2.37E-05 |
|chr11| 114308001 | 114313000 | 3.08E-61 |
|chr11| 114309001 | 114314000 | 5.40E-76 |
|chr11| 114310001 | 114315000 | 2.35E-67 |
|chr11| 114438001 | 114443000 | 1.99E-06 |
|chr11| 114439001 | 114444000 | 0.000169341 |
|chr11| 114440001 | 114445000 | 0.00033735 |
|chr11| 114441001 | 114446000 | 1.85E-05 |
|chr11| 114442001 | 114447000 | 5.95E-07 |
|chr11| 114443001 | 114448000 | 0.000296301 |
|chr11| 114444001 | 114449000 | 3.48E-05 |
|chr11| 114445001 | 114450000 | 1.59E-06 |
|chr11| 114446001 | 114451000 | 1.10E-06 |
|chr11| 114610001 | 114615000 | 2.35E-05 |
|chr11| 114611001 | 114616000 | 1.39E-05 |
|chr11| 114612001 | 114617000 | 2.42E-06 |
|chr11| 114683001 | 114688000 | 0.000189702 |
|chr11| 114729001 | 114734000 | 8.39E-08 |
|chr11| 114730001 | 114735000 | 1.78E-05 |
|chr11| 114731001 | 114736000 | 3.85E-05 |
|chr11| 114745001 | 114750000 | 0.000407146 |
|chr11| 114746001 | 114751000 | 0.000261175 |
|chr11| 114781001 | 114786000 | 3.77E-09 |
|chr11| 114782001 | 114787000 | 3.25E-07 |
|chr11| 114792001 | 114797000 | 0.000179828 |
|chr11| 114838001 | 114843000 | 1.17E-06 |
|chr11| 114861001 | 114866000 | 1.02E-10 |
|chr11| 114862001 | 114867000 | 1.44E-13 |
|chr11| 114863001 | 114868000 | 6.13E-12 |
|chr11| 114871001 | 114876000 | 0.000756195 |
|chr11| 114872001 | 114877000 | 0.004736649 |
|chr11| 114873001 | 114878000 | 0.000624865 |
|chr11| 115094001 | 115099000 | 0.000183701 |
|chr11| 115095001 | 115100000 | 5.71E-07 |
|chr11| 115096001 | 115101000 | 7.71E-09 |
|chr11| 115097001 | 115102000 | 1.94E-09 |
|chr11| 115163001 | 115168000 | 1.07E-05 |
|chr11| 115164001 | 115169000 | 3.55E-05 |
| Chr  | Start | End   | p-value     |
|------|-------|-------|-------------|
| chr11| 115172001 | 115177000 | 2.13E-07    |
| chr11| 115225001 | 115230000 | 8.90E-15    |
| chr11| 115226001 | 115231000 | 2.45E-13    |
| chr11| 115227001 | 115232000 | 4.78E-11    |
| chr11| 115228001 | 115233000 | 6.07E-08    |
| chr11| 115229001 | 115234000 | 0.000254938 |
| chr11| 115285001 | 115290000 | 0.000537333 |
| chr11| 115332001 | 115337000 | 0.000324709 |
| chr11| 115333001 | 115338000 | 8.54E-08    |
| chr11| 115335001 | 115340000 | 7.60E-06    |
| chr11| 115336001 | 115341000 | 1.31E-09    |
| chr11| 115337001 | 115342000 | 1.03E-08    |
| chr11| 115345001 | 115350000 | 8.24E-08    |
| chr11| 115356001 | 115361000 | 0.001926164 |
| chr11| 115470001 | 115475000 | 1.25E-05    |
| chr11| 115515001 | 115520000 | 2.23E-19    |
| chr11| 115516001 | 115521000 | 7.65E-21    |
| chr11| 115517001 | 115522000 | 1.24E-05    |
| chr11| 115746001 | 115751000 | 2.79E-15    |
| chr11| 115842001 | 115847000 | 6.49E-11    |
| chr11| 115843001 | 115848000 | 2.23E-06    |
| chr11| 115845001 | 115850000 | 3.93E-11    |
| chr11| 115846001 | 115851000 | 3.15E-11    |
| chr11| 115877001 | 115882000 | 1.29E-14    |
| chr11| 115878001 | 115883000 | 7.07E-19    |
| chr11| 115879001 | 115884000 | 5.41E-16    |
| chr11| 115880001 | 115885000 | 1.90E-09    |
| chr11| 115881001 | 115886000 | 9.97E-06    |
| chr11| 115894001 | 115899000 | 4.98E-06    |
| chr11| 115906001 | 115911000 | 3.65E-08    |
| chr11| 116025001 | 116030000 | 7.77E-06    |
| chr11| 116026001 | 116031000 | 5.98E-05    |
| chr11| 116177001 | 116182000 | 4.83E-08    |
| chr11| 116458001 | 116463000 | 0.000141895 |
| chr11| 116639001 | 116644000 | 3.13E-26    |
| chr11| 116654001 | 116659000 | 9.59E-20    |
| chr11| 116655001 | 116660000 | 1.51E-17    |
| chr11| 116656001 | 116661000 | 2.29E-12    |
| chr11| 116805001 | 116810000 | 9.45E-19    |
| chr11| 116806001 | 116811000 | 9.36E-22    |
| chr11| 116807001 | 116812000 | 9.33E-28    |
| chr11| 116808001 | 116813000 | 1.82E-25    |
| chr11| 116809001 | 116814000 | 5.93E-31    |
| chr11| 117101001 | 117106000 | 1.19E-11    |
| chr11| 117184001 | 117189000 | 6.80E-15    |
| chr11| 117185001 | 117190000 | 2.77E-14    |
| chr11| 117186001 | 117191000 | 2.60E-26    |
| chr11| 117196001 | 117201000 | 5.11E-11    |
| Chromosome | Start | End   | P-value     |
|------------|-------|-------|-------------|
| chr11      | 117197001 | 117202000 | 3.06E-12    |
| chr11      | 117198001 | 117203000 | 1.95E-13    |
| chr11      | 118267001 | 118272000 | 9.97E-09    |
| chr11      | 118308001 | 118313000 | 7.30E-13    |
| chr11      | 118662001 | 118667000 | 1.32E-20    |
| chr11      | 118868001 | 118873000 | 1.77E-09    |
| chr11      | 118897001 | 118902000 | 0.000101404 |
| chr11      | 118999001 | 119004000 | 3.67E-08    |
| chr11      | 118900001 | 118905000 | 5.72E-08    |
| chr11      | 118901001 | 118906000 | 2.33E-19    |
| chr11      | 118974001 | 118979000 | 5.02E-14    |
| chr11      | 118978001 | 118983000 | 8.19E-10    |
| chr11      | 119232001 | 119237000 | 1.01E-16    |
| chr11      | 119233001 | 119238000 | 1.04E-14    |
| chr11      | 119268001 | 119273000 | 0.001371805 |
| chr11      | 120035001 | 120040000 | 5.98E-15    |
| chr11      | 120036001 | 120041000 | 7.74E-19    |
| chr11      | 120037001 | 120042000 | 3.70E-18    |
| chr11      | 120077001 | 120082000 | 3.06E-35    |
| chr11      | 120078001 | 120083000 | 1.11E-48    |
| chr11      | 120081001 | 120086000 | 2.82E-16    |
| chr11      | 120082001 | 120087000 | 9.04E-17    |
| chr11      | 120168001 | 120173000 | 0.004001901 |
| chr11      | 120169001 | 120174000 | 0.000465399 |
| chr11      | 120170001 | 120175000 | 0.002470754 |
| chr11      | 120191001 | 120196000 | 6.83E-30    |
| chr11      | 120192001 | 120197000 | 2.98E-63    |
| chr11      | 120193001 | 120198000 | 1.01E-87    |
| chr11      | 120194001 | 120199000 | 4.63E-95    |
| chr11      | 120195001 | 120200000 | 1.88E-64    |
| chr11      | 120196001 | 120201000 | 1.60E-29    |
| chr11      | 120378001 | 120383000 | 1.59E-25    |
| chr11      | 120379001 | 120384000 | 2.92E-17    |
| chr11      | 120380001 | 120385000 | 3.84E-20    |
| chr11      | 120381001 | 120386000 | 3.77E-13    |
| chr11      | 120382001 | 120387000 | 3.55E-12    |
| chr11      | 120452001 | 120457000 | 8.68E-07    |
| chr11      | 120638001 | 120643000 | 0.000520502 |
| chr11      | 120852001 | 120857000 | 7.98E-12    |
| chr11      | 120853001 | 120858000 | 2.70E-10    |
| chr11      | 120893001 | 120898000 | 4.23E-25    |
| chr11      | 120894001 | 120899000 | 4.98E-25    |
| chr11      | 120895001 | 120900000 | 1.46E-19    |
| chr11      | 121159001 | 121164000 | 1.55E-48    |
| chr11      | 121160001 | 121165000 | 1.34E-47    |
| chr11      | 121161001 | 121166000 | 7.02E-48    |
| chr11      | 121162001 | 121167000 | 4.46E-42    |
| chr11      | 121163001 | 121168000 | 2.79E-36    |
| Chr  | Start        | End          | p-value         |
|------|--------------|--------------|-----------------|
| chr11| 121269001    | 121274000    | 0.001710385     |
| chr11| 121270001    | 121275000    | 0.000206892     |
| chr11| 121318001    | 121323000    | 2.62E-14        |
| chr11| 121395001    | 121400000    | 1.66E-05        |
| chr11| 121630001    | 121635000    | 1.98E-13        |
| chr11| 121631001    | 121636000    | 4.34E-15        |
| chr11| 121934001    | 121939000    | 0.000976774     |
| chr11| 121958001    | 121963000    | 3.18E-08        |
| chr11| 121959001    | 121964000    | 1.46E-19        |
| chr11| 121960001    | 121965000    | 2.08E-28        |
| chr11| 121962001    | 121967000    | 5.15E-23        |
| chr11| 122247001    | 122252000    | 2.92E-09        |
| chr11| 122248001    | 122253000    | 4.30E-10        |
| chr11| 122523001    | 122528000    | 2.77E-23        |
| chr11| 122524001    | 122529000    | 1.56E-32        |
| chr11| 122525001    | 122530000    | 9.88E-33        |
| chr11| 122526001    | 122531000    | 1.23E-22        |
| chr11| 122527001    | 122532000    | 8.51E-15        |
| chr11| 122749001    | 122754000    | 7.88E-11        |
| chr11| 122751001    | 122756000    | 8.33E-14        |
| chr11| 122752001    | 122757000    | 1.02E-21        |
| chr11| 122753001    | 122758000    | 1.08E-17        |
| chr11| 122853001    | 122858000    | 8.71E-09        |
| chr11| 122854001    | 122859000    | 6.25E-15        |
| chr11| 122855001    | 122860000    | 1.52E-30        |
| chr11| 123061001    | 123066000    | 2.84E-13        |
| chr11| 123065001    | 123070000    | 7.61E-09        |
| chr11| 123229001    | 123234000    | 7.22E-22        |
| chr11| 123299001    | 123304000    | 9.26E-17        |
| chr11| 123300001    | 123305000    | 9.37E-20        |
| chr11| 123301001    | 123306000    | 1.21E-17        |
| chr11| 123521001    | 123526000    | 0.000105027     |
| chr11| 123522001    | 123527000    | 1.71E-06        |
| chr11| 123523001    | 123528000    | 3.40E-15        |
| chr11| 123524001    | 123529000    | 1.27E-16        |
| chr11| 123525001    | 123530000    | 1.02E-15        |
| chr11| 123638001    | 123643000    | 7.29E-08        |
| chr11| 123639001    | 123644000    | 8.26E-08        |
| chr11| 123641001    | 123646000    | 0.000276836     |
| chr11| 123692001    | 123697000    | 4.44E-05        |
| chr11| 123704001    | 123709000    | 5.11E-06        |
| chr11| 123779001    | 123784000    | 7.93E-07        |
| chr11| 123815001    | 123820000    | 1.65E-09        |
| chr11| 123816001    | 123821000    | 5.43E-10        |
| chr11| 123817001    | 123822000    | 1.25E-08        |
| chr11| 123819001    | 123824000    | 3.56E-12        |
| chr11| 123820001    | 123825000    | 3.16E-13        |
| chr11| 123821001    | 123826000    | 2.62E-16        |
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|---------------|
| chr11      | 123822001 | 123827000 | 3.56E-17     |
| chr11      | 123823001 | 123828000 | 1.00E-14     |
| chr11      | 123824001 | 123829000 | 1.52E-07     |
| chr11      | 123825001 | 123830000 | 1.16E-06     |
| chr11      | 123827001 | 123832000 | 7.1E-05      |
| chr11      | 123835001 | 123840000 | 1.04E-06     |
| chr11      | 123836001 | 123841000 | 2.89E-08     |
| chr11      | 123837001 | 123842000 | 2.10E-09     |
| chr11      | 123838001 | 123843000 | 4.48E-08     |
| chr11      | 123839001 | 123844000 | 1.71E-06     |
| chr11      | 123840001 | 123845000 | 3.11E-06     |
| chr11      | 123841001 | 123846000 | 0.002858513  |
| chr11      | 123877001 | 123882000 | 9.22E-06     |
| chr11      | 123878001 | 123883000 | 2.30E-06     |
| chr11      | 123879001 | 123884000 | 8.14E-06     |
| chr11      | 123880001 | 123885000 | 3.02E-05     |
| chr11      | 123943001 | 123948000 | 5.10E-19     |
| chr11      | 123944001 | 123949000 | 1.13E-15     |
| chr11      | 123945001 | 123950000 | 3.27E-07     |
| chr11      | 124012001 | 124017000 | 1.31E-08     |
| chr11      | 124183001 | 124188000 | 6.87E-06     |
| chr11      | 124235001 | 124240000 | 9.11E-06     |
| chr11      | 124236001 | 124241000 | 8.90E-07     |
| chr11      | 124240001 | 124245000 | 3.45E-07     |
| chr11      | 124241001 | 124246000 | 2.40E-07     |
| chr11      | 124262001 | 124267000 | 1.65E-08     |
| chr11      | 124314001 | 124319000 | 5.02E-05     |
| chr11      | 124359001 | 124364000 | 8.22E-06     |
| chr11      | 124432001 | 124437000 | 4.57E-10     |
| chr11      | 124433001 | 124438000 | 3.84E-11     |
| chr11      | 124434001 | 124439000 | 8.89E-10     |
| chr11      | 124539001 | 124544000 | 5.19E-31     |
| chr11      | 124540001 | 124545000 | 5.21E-35     |
| chr11      | 124541001 | 124546000 | 1.95E-50     |
| chr11      | 124542001 | 124547000 | 5.93E-32     |
| chr11      | 124543001 | 124548000 | 4.90E-40     |
| chr11      | 124544001 | 124549000 | 5.02E-17     |
| chr11      | 124588001 | 124593000 | 7.36E-16     |
| chr11      | 124606001 | 124611000 | 7.66E-14     |
| chr11      | 124610001 | 124615000 | 6.84E-16     |
| chr11      | 124631001 | 124636000 | 2.33E-15     |
| chr11      | 124632001 | 124637000 | 6.85E-28     |
| chr11      | 124665001 | 124670000 | 1.48E-53     |
| chr11      | 124666001 | 124671000 | 7.64E-53     |
| chr11      | 124670001 | 124675000 | 1.29E-26     |
| chr11      | 124795001 | 124800000 | 2.61E-10     |
| chr11      | 124819001 | 124824000 | 9.09E-28     |
| chr11      | 124929001 | 124934000 | 5.91E-25     |
| Chr  | Start  | End    | p-value  |
|------|--------|--------|----------|
| chr11| 124930001| 124935000| 4.41E-33  |
| chr11| 124931001| 124936000| 2.41E-32  |
| chr11| 124932001| 124937000| 3.14E-40  |
| chr11| 124933001| 124938000| 8.93E-37  |
| chr11| 124977001| 124982000| 8.58E-44  |
| chr11| 125052001| 125057000| 9.91E-08  |
| chr11| 125361001| 125366000| 1.59E-15  |
| chr11| 125362001| 125367000| 2.32E-12  |
| chr11| 125363001| 125368000| 3.21E-19  |
| chr11| 125364001| 125369000| 2.18E-18  |
| chr11| 125365001| 125370000| 1.89E-19  |
| chr11| 125366001| 125371000| 1.82E-14  |
| chr11| 125410001| 125415000| 0.00038547|
| chr11| 125496001| 125501000| 4.11E-18  |
| chr11| 125594001| 125599000| 1.02E-05  |
| chr11| 125595001| 125600000| 2.22E-05  |
| chr11| 125621001| 125626000| 7.63E-08  |
| chr11| 125648001| 125653000| 2.20E-08  |
| chr11| 125649001| 125654000| 4.30E-11  |
| chr11| 125650001| 125655000| 2.79E-09  |
| chr11| 125651001| 125656000| 3.21E-08  |
| chr11| 125654001| 125659000| 3.44E-05  |
| chr11| 125678001| 125683000| 1.86E-06  |
| chr11| 125679001| 125684000| 4.001153858|
| chr11| 125680001| 125685000| 6.98E-05  |
| chr11| 125684001| 125689000| 3.18E-07  |
| chr11| 125688001| 125693000| 4.06E-06  |
| chr11| 125695001| 125700000| 0.00167665|
| chr11| 125696001| 125701000| 7.13E-06  |
| chr11| 125699001| 125704000| 0.00125472|
| chr11| 125711001| 125716000| 7.04E-09  |
| chr11| 125754001| 125759000| 5.12E-21  |
| chr11| 125755001| 125760000| 9.45E-22  |
| chr11| 125756001| 125761000| 7.22E-27  |
| chr11| 125757001| 125762000| 4.76E-29  |
| chr11| 125758001| 125763000| 1.32E-21  |
| chr11| 125928001| 125933000| 7.43E-39  |
| chr11| 125929001| 125934000| 9.93E-38  |
| chr11| 125930001| 125935000| 5.20E-26  |
| chr11| 125931001| 125936000| 2.86E-17  |
| chr11| 125932001| 125937000| 1.73E-24  |
| chr11| 125933001| 125938000| 5.34E-11  |
| chr11| 126077001| 126082000| 2.94E-50  |
| chr11| 126078001| 126083000| 1.53E-49  |
| chr11| 126079001| 126084000| 9.13E-55  |
| chr11| 126080001| 126085000| 1.16E-55  |
| chr11| 126081001| 126086000| 9.32E-23  |
| chr11| 126153001| 126158000| 2.15E-11  |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|-------------|---------|
| chr11      | 126724001      | 126729000   | 3.79E-08|
| chr11      | 126745001      | 126750000   | 1.49E-07|
| chr11      | 126746001      | 126751000   | 4.26E-07|
| chr11      | 127019001      | 127024000   | 0.000262608|
| chr11      | 127068001      | 127073000   | 0.001346505|
| chr11      | 127294001      | 127299000   | 5.46E-06|
| chr11      | 127295001      | 127300000   | 2.87E-05|
| chr11      | 127395001      | 127400000   | 0.002282803|
| chr11      | 127396001      | 127401000   | 0.000345403|
| chr11      | 127397001      | 127402000   | 0.000244648|
| chr11      | 128390001      | 128395000   | 1.43E-45|
| chr11      | 128391001      | 128396000   | 4.01E-31|
| chr11      | 128392001      | 128397000   | 3.84E-44|
| chr11      | 129113001      | 129118000   | 2.13E-10|
| chr11      | 129114001      | 129119000   | 6.39E-12|
| chr11      | 129144001      | 129149000   | 2.25E-30|
| chr11      | 129145001      | 129150000   | 1.56E-39|
| chr11      | 129239001      | 129244000   | 3.52E-26|
| chr11      | 129245001      | 129250000   | 7.48E-56|
| chr11      | 129388001      | 129393000   | 0.000641493|
| chr11      | 129684001      | 129689000   | 5.68E-14|
| chr11      | 129685001      | 129690000   | 7.60E-10|
| chr11      | 129686001      | 129691000   | 2.38E-16|
| chr11      | 129761001      | 129766000   | 2.16E-26|
| chr11      | 129867001      | 129872000   | 1.93E-14|
| chr11      | 129935001      | 129940000   | 1.99E-26|
| chr11      | 130226001      | 130231000   | 8.69E-07|
| chr11      | 130729001      | 130734000   | 4.68E-24|
| chr11      | 130730001      | 130735000   | 7.12E-21|
| chr11      | 130782001      | 130787000   | 9.13E-19|
| chr11      | 131051001      | 131056000   | 6.30E-08|
| chr11      | 131154001      | 131159000   | 2.17E-06|
| chr11      | 131155001      | 131160000   | 1.36E-06|
| chr11      | 131221001      | 131226000   | 3.74E-10|
| chr11      | 131252001      | 131257000   | 2.29E-13|
| chr11      | 131267001      | 131272000   | 0.000111684|
| chr11      | 131268001      | 131273000   | 0.000135697|
| chr11      | 131301001      | 131306000   | 2.84E-11|
| chr11      | 131328001      | 131333000   | 2.43E-08|
| chr11      | 131341001      | 131346000   | 3.48E-12|
| chr11      | 131342001      | 131347000   | 6.07E-12|
| chr11      | 131343001      | 131348000   | 6.02E-08|
| chr11      | 131344001      | 131349000   | 8.14E-10|
| chr11      | 131345001      | 131350000   | 2.13E-08|
| chr11      | 132331001      | 132336000   | 1.18E-05|
| chr11      | 132379001      | 132384000   | 5.06E-05|
| chr11      | 132565001      | 132570000   | 0.001806686|
| chr11      | 132636001      | 132641000   | 3.06E-08|
| Chromosome | Start Position | End Position | Score |
|------------|----------------|--------------|-------|
| chr11      | 132690001      | 132695000    | 1.50E-11 |
| chr11      | 132812001      | 132817000    | 1.37E-17 |
| chr11      | 132813001      | 132818000    | 5.56E-25 |
| chr11      | 133004001      | 133090000    | 1.57E-17 |
| chr11      | 133297001      | 133302000    | 9.88E-06 |
| chr11      | 133298001      | 133303000    | 9.45E-05 |
| chr11      | 133299001      | 133304000    | 9.37E-11 |
| chr11      | 133300001      | 133305000    | 1.45E-11 |
| chr11      | 133301001      | 133306000    | 1.38E-07 |
| chr11      | 133309001      | 133314000    | 7.89E-09 |
| chr11      | 133327001      | 133332000    | 0.000333726 |
| chr11      | 133409001      | 133414000    | 3.66E-10 |
| chr11      | 133410001      | 133415000    | 9.89E-10 |
| chr11      | 133434001      | 133439000    | 0.00044464 |
| chr11      | 133485001      | 133490000    | 1.41E-13 |
| chr11      | 133486001      | 133491000    | 2.99E-12 |
| chr11      | 133628001      | 133633000    | 0.000428413 |
| chr11      | 133903001      | 133908000    | 2.76E-19 |
| chr11      | 133904001      | 133909000    | 2.00E-24 |
| chr11      | 134089001      | 134094000    | 4.71E-46 |
| chr11      | 134090001      | 134095000    | 1.48E-50 |
| chr11      | 134123001      | 134128000    | 9.32E-42 |
| chr11      | 134920001      | 134925000    | 6.76E-10 |
| chr11      | 134928001      | 134933000    | 0.001081367 |
| chr12      | 1100001        | 1105000      | 1.20E-43 |
| chr12      | 1848001        | 1853000      | 0.000345 |
| chr12      | 2997001        | 3002000      | 2.99E-70 |
| chr12      | 2998001        | 3003000      | 7.96E-79 |
| chr12      | 2999001        | 3004000      | 8.28E-82 |
| chr12      | 3000001        | 3005000      | 3.33E-111 |
| chr12      | 4237001        | 4242000      | 2.11E-18 |
| chr12      | 4238001        | 4243000      | 1.78E-18 |
| chr12      | 4265001        | 4270000      | 2.36E-13 |
| chr12      | 4266001        | 4271000      | 5.62E-13 |
| chr12      | 4267001        | 4272000      | 1.54E-14 |
| chr12      | 4268001        | 4273000      | 2.51E-13 |
| chr12      | 4270001        | 4275000      | 1.70E-43 |
| chr12      | 4271001        | 4276000      | 5.84E-42 |
| chr12      | 4272001        | 4277000      | 1.42E-40 |
| chr12      | 4273001        | 4278000      | 2.56E-33 |
| chr12      | 5363001        | 5368000      | 5.06E-05 |
| chr12      | 5426001        | 5431000      | 0.00063183 |
| chr12      | 5427001        | 5432000      | 0.000418482 |
| chr12      | 6061001        | 6066000      | 7.04E-23 |
| chr12      | 6860001        | 6865000      | 2.75E-55 |
| chr12      | 6862001        | 6867000      | 9.39E-59 |
| chr12      | 7591001        | 7596000      | 7.40E-42 |
| chr12      | 7641001        | 7646000      | 0.003517081 |
| chr12 | start   | end     | p-value   |
|-------|---------|---------|-----------|
| chr12 | 8851001 | 8856000 | 3.29E-57  |
| chr12 | 9063001 | 9068000 | 2.22E-53  |
| chr12 | 9064001 | 9069000 | 1.45E-48  |
| chr12 | 9067001 | 9072000 | 1.36E-37  |
| chr12 | 9170001 | 9175000 | 1.35E-05  |
| chr12 | 9180001 | 9185000 | 2.03E-14  |
| chr12 | 9213001 | 9218000 | 2.21E-53  |
| chr12 | 9256001 | 9261000 | 1.73E-08  |
| chr12 | 9257001 | 9262000 | 1.29E-09  |
| chr12 | 9258001 | 9263000 | 7.77E-11  |
| chr12 | 9259001 | 9264000 | 1.56E-11  |
| chr12 | 9260001 | 9265000 | 2.92E-10  |
| chr12 | 9896001 | 9901000 | 1.12E-06  |
| chr12 | 9936001 | 9941000 | 0.00109509|
| chr12 | 9938001 | 9943000 | 0.00426531|
| chr12 | 9939001 | 9944000 | 0.000762113|
| chr12 | 9940001 | 9945000 | 0.007118075|
| chr12 | 9959001 | 9964000 | 0.000141065|
| chr12 | 10058001| 10063000| 1.76E-12  |
| chr12 | 10227001| 10232000| 0.007159346|
| chr12 | 10228001| 10233000| 0.001380039|
| chr12 | 10300001| 10305000| 1.12E-07  |
| chr12 | 10313001| 10318000| 2.25E-22  |
| chr12 | 10314001| 10319000| 4.48E-27  |
| chr12 | 10315001| 10320000| 7.60E-26  |
| chr12 | 10316001| 10321000| 3.35E-18  |
| chr12 | 10394001| 10399000| 9.29E-08  |
| chr12 | 10395001| 10400000| 5.10E-07  |
| chr12 | 10494001| 10499000| 3.46E-05  |
| chr12 | 10495001| 10500000| 1.99E-05  |
| chr12 | 10536001| 10541000| 0.01544277|
| chr12 | 10854001| 10859000| 8.57E-07  |
| chr12 | 11319001| 11324000| 5.36E-25  |
| chr12 | 11322001| 11327000| 1.09E-88  |
| chr12 | 11324001| 11329000| 3.10E-92  |
| chr12 | 11683001| 11688000| 9.66E-09  |
| chr12 | 11833001| 11838000| 2.31E-05  |
| chr12 | 12087001| 12092000| 1.01E-07  |
| chr12 | 12506001| 12511000| 2.98E-45  |
| chr12 | 12510001| 12515000| 4.19E-40  |
| chr12 | 12935001| 12940000| 1.28E-50  |
| chr12 | 13195001| 13200000| 1.76E-64  |
| chr12 | 13196001| 13201000| 8.33E-69  |
| chr12 | 13197001| 13202000| 3.54E-72  |
| chr12 | 14165001| 14170000| 0.000577295|
| chr12 | 15801001| 15806000| 0.006120226|
| chr12 | 15882001| 15887000| 0.000105529|
| chr12 | 15942001| 15947000| 2.26E-82  |
| Chromosome | Start | End   | P-value         |
|------------|-------|-------|----------------|
| chr12      | 16060001 | 16065000 | 2.25E-51       |
| chr12      | 16323001 | 16328000 | 0.00233524     |
| chr12      | 16324001 | 16329000 | 0.002457382    |
| chr12      | 16814001 | 16819000 | 0.009580825    |
| chr12      | 18877001 | 18882000 | 0.002187841    |
| chr12      | 19063001 | 19068000 | 0.000887906    |
| chr12      | 19588001 | 19593000 | 4.25E-55       |
| chr12      | 19589001 | 19594000 | 4.48E-45       |
| chr12      | 21432001 | 21437000 | 0.001400136    |
| chr12      | 21508001 | 21513000 | 0.002697271    |
| chr12      | 21655001 | 21660000 | 1.95E-14       |
| chr12      | 21922001 | 21927000 | 2.27E-18       |
| chr12      | 21923001 | 21928000 | 1.23E-46       |
| chr12      | 21924001 | 21929000 | 8.28E-52       |
| chr12      | 21925001 | 21930000 | 7.51E-50       |
| chr12      | 21926001 | 21931000 | 1.38E-57       |
| chr12      | 21927001 | 21932000 | 4.60E-35       |
| chr12      | 22441001 | 22446000 | 1.07E-08       |
| chr12      | 22500001 | 22505000 | 1.55E-06       |
| chr12      | 22501001 | 22506000 | 2.00E-06       |
| chr12      | 22502001 | 22507000 | 1.71E-06       |
| chr12      | 22503001 | 22508000 | 3.61E-07       |
| chr12      | 22522001 | 22527000 | 3.68E-07       |
| chr12      | 22774001 | 22779000 | 2.40E-41       |
| chr12      | 22896001 | 22901000 | 0.000790555    |
| chr12      | 22898001 | 22903000 | 0.000586487    |
| chr12      | 22915001 | 22920000 | 0.000599939    |
| chr12      | 22916001 | 22921000 | 0.000621274    |
| chr12      | 22939001 | 22944000 | 1.89E-05       |
| chr12      | 23323001 | 23328000 | 4.85E-05       |
| chr12      | 23356001 | 23361000 | 1.05E-06       |
| chr12      | 23357001 | 23362000 | 2.13E-06       |
| chr12      | 23534001 | 23539000 | 0.001088728    |
| chr12      | 23535001 | 23540000 | 0.004629864    |
| chr12      | 23582001 | 23587000 | 0.000117685    |
| chr12      | 23963001 | 23968000 | 0.006888882    |
| chr12      | 24057001 | 24062000 | 4.04E-05       |
| chr12      | 24058001 | 24063000 | 0.00013952     |
| chr12      | 25243001 | 25248000 | 4.85E-05       |
| chr12      | 25244001 | 25249000 | 1.14E-30       |
| chr12      | 25245001 | 25250000 | 9.66E-19       |
| chr12      | 26267001 | 26272000 | 3.33E-59       |
| chr12      | 26271001 | 26276000 | 2.49E-82       |
| chr12      | 26375001 | 26380000 | 5.18E-34       |
| chr12      | 26452001 | 26457000 | 0.000151161    |
| chr12      | 26669001 | 26674000 | 2.24E-08       |
| chr12      | 26686001 | 26691000 | 0.000266896    |
| chr12      | 26767001 | 26772000 | 1.42E-14       |
| Chromosome | Start | End   | Log2 Fold Change |
|------------|-------|-------|-----------------|
| chr12      | 26768001 | 26773000 | 2.07E-09        |
| chr12      | 26770001 | 26775000 | 1.22E-08        |
| chr12      | 27264001 | 27269000 | 4.93E-08        |
| chr12      | 27289001 | 27294000 | 8.48E-13        |
| chr12      | 27290001 | 27295000 | 1.99E-11        |
| chr12      | 27535001 | 27540000 | 5.92E-13        |
| chr12      | 27677001 | 27682000 | 3.83E-33        |
| chr12      | 27796001 | 27801000 | 0.002279946     |
| chr12      | 27797001 | 27802000 | 0.000203114     |
| chr12      | 27928001 | 27933000 | 1.03E-28        |
| chr12      | 27929001 | 27934000 | 8.69E-76        |
| chr12      | 27930001 | 27935000 | 8.82E-60        |
| chr12      | 27931001 | 27936000 | 2.98E-66        |
| chr12      | 27932001 | 27937000 | 6.52E-124       |
| chr12      | 27933001 | 27938000 | 5.76E-120       |
| chr12      | 28045001 | 28050000 | 0.000589055     |
| chr12      | 28342001 | 28347000 | 2.25E-66        |
| chr12      | 28649001 | 28654000 | 1.40E-06        |
| chr12      | 29173001 | 29178000 | 8.40E-05        |
| chr12      | 29174001 | 29179000 | 0.001178021     |
| chr12      | 29357001 | 29362000 | 3.68E-06        |
| chr12      | 29529001 | 29534000 | 6.26E-28        |
| chr12      | 29605001 | 29610000 | 0.00112927      |
| chr12      | 29620001 | 29625000 | 0.001297116     |
| chr12      | 29771001 | 29776000 | 0.000135501     |
| chr12      | 29843001 | 29848000 | 8.82E-08        |
| chr12      | 29892001 | 29897000 | 2.57E-08        |
| chr12      | 29995001 | 30000000 | 0.001767332     |
| chr12      | 30019001 | 30024000 | 8.96E-05        |
| chr12      | 30091001 | 30096000 | 0.003111961     |
| chr12      | 30140001 | 30145000 | 1.32E-05        |
| chr12      | 30141001 | 30146000 | 8.67E-06        |
| chr12      | 30142001 | 30147000 | 3.07E-06        |
| chr12      | 30162001 | 30167000 | 1.19E-06        |
| chr12      | 30163001 | 30168000 | 2.66E-05        |
| chr12      | 30164001 | 30169000 | 8.28E-06        |
| chr12      | 30200001 | 30205000 | 0.000251474     |
| chr12      | 30201001 | 30206000 | 7.38E-06        |
| chr12      | 30202001 | 30207000 | 3.26E-05        |
| chr12      | 30203001 | 30208000 | 2.14E-05        |
| chr12      | 30279001 | 30284000 | 3.90E-06        |
| chr12      | 30280001 | 30285000 | 5.39E-06        |
| chr12      | 30903001 | 30908000 | 1.65E-81        |
| chr12      | 30905001 | 30910000 | 1.31E-96        |
| chr12      | 30907001 | 30912000 | 2.06E-89        |
| chr12      | 30908001 | 30913000 | 3.09E-67        |
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|---------------|
| chr12      | 31266001 | 31271000  | 1.35E-45     |
| chr12      | 32869001 | 32874000  | 0.006026503  |
| chr12      | 32870001 | 32875000  | 0.002241919  |
| chr12      | 32871001 | 32876000  | 0.001731393  |
| chr12      | 32872001 | 32877000  | 0.001297189  |
| chr12      | 33464001 | 33469000  | 1.14E-06     |
| chr12      | 33465001 | 33470000  | 0.004746937  |
| chr12      | 33466001 | 33471000  | 0.003632724  |
| chr12      | 33488001 | 33493000  | 9.66E-10     |
| chr12      | 33491001 | 33496000  | 0.003008379  |
| chr12      | 34175001 | 34180000  | 4.07E-21     |
| chr12      | 34176001 | 34181000  | 3.63E-05     |
| chr12      | 34177001 | 34182000  | 6.93E-05     |
| chr12      | 38084001 | 38089000  | 0.001412141  |
| chr12      | 38637001 | 38642000  | 0.002445553  |
| chr12      | 38710001 | 38715000  | 1.43E-28     |
| chr12      | 38804001 | 38809000  | 1.35E-05     |
| chr12      | 39300001 | 39305000  | 5.30E-28     |
| chr12      | 39832001 | 39837000  | 9.70E-96     |
| chr12      | 39833001 | 39838000  | 2.11E-85     |
| chr12      | 39834001 | 39839000  | 1.30E-65     |
| chr12      | 39836001 | 39841000  | 2.15E-72     |
| chr12      | 39874001 | 39879000  | 0.001146676  |
| chr12      | 40073001 | 40078000  | 0.00024596   |
| chr12      | 40495001 | 40500000  | 2.73E-79     |
| chr12      | 40496001 | 40501000  | 8.66E-70     |
| chr12      | 40614001 | 40619000  | 5.76E-56     |
| chr12      | 41086001 | 41091000  | 2.16E-43     |
| chr12      | 41092001 | 41097000  | 0.000205658  |
| chr12      | 41811001 | 41816000  | 0.000225835  |
| chr12      | 41943001 | 41948000  | 0.011867398  |
| chr12      | 41944001 | 41949000  | 0.009808291  |
| chr12      | 41945001 | 41950000  | 0.004912943  |
| chr12      | 42008001 | 42013000  | 8.32E-09     |
| chr12      | 42009001 | 42014000  | 2.07E-09     |
| chr12      | 42031001 | 42036000  | 2.92E-08     |
| chr12      | 42082001 | 42087000  | 0.000818762  |
| chr12      | 42284001 | 42289000  | 3.27E-07     |
| chr12      | 42285001 | 42290000  | 0.003783974  |
| chr12      | 42307001 | 42312000  | 0.001053616  |
| chr12      | 42308001 | 42313000  | 0.001845321  |
| chr12      | 42327001 | 42332000  | 3.88E-06     |
| chr12      | 42417001 | 42422000  | 2.51E-13     |
| chr12      | 42418001 | 42423000  | 2.93E-12     |
| chr12      | 42538001 | 42543000  | 5.64E-141    |
| chr12      | 42627001 | 42632000  | 4.41E-79     |
| chr12      | 42628001 | 42633000  | 1.27E-76     |
| chr12      | 42629001 | 42634000  | 2.81E-131    |
| chr12 | 42630001 - 42635000 | 2.54E-154 |
| chr12 | 42631001 - 42636000 | 2.26E-135 |
| chr12 | 42632001 - 42637000 | 1.56E-48  |
| chr12 | 42770001 - 42775000 | 8.03E-08  |
| chr12 | 42771001 - 42776000 | 3.31E-56  |
| chr12 | 42877001 - 42882000 | 6.55E-40  |
| chr12 | 44148001 - 44153000 | 1.91E-78  |
| chr12 | 44752001 - 44757000 | 1.46E-07  |
| chr12 | 44753001 - 44758000 | 7.91E-08  |
| chr12 | 44754001 - 44759000 | 8.01E-06  |
| chr12 | 44755001 - 44760000 | 0.001120521 |
| chr12 | 45387001 - 45392000 | 2.22E-06  |
| chr12 | 46041001 - 46046000 | 8.52E-62  |
| chr12 | 46900001 - 46905000 | 0.024946137 |
| chr12 | 46901001 - 46906000 | 0.015069094 |
| chr12 | 46902001 - 46907000 | 0.000267967 |
| chr12 | 46919001 - 46924000 | 2.55E-08  |
| chr12 | 47305001 - 47310000 | 0.000640366 |
| chr12 | 47314001 - 47319000 | 2.84E-06  |
| chr12 | 47316001 - 47321000 | 1.68E-08  |
| chr12 | 48095001 - 48100000 | 7.82E-33  |
| chr12 | 48167001 - 48172000 | 4.17E-23  |
| chr12 | 48213001 - 48218000 | 1.71E-20  |
| chr12 | 48299001 - 48304000 | 5.74E-20  |
| chr12 | 48597001 - 48602000 | 5.25E-07  |
| chr12 | 48604001 - 48609000 | 4.45E-12  |
| chr12 | 48617001 - 48622000 | 1.15E-06  |
| chr12 | 48638001 - 48643000 | 6.67E-06  |
| chr12 | 48666001 - 48671000 | 1.66E-12  |
| chr12 | 48667001 - 48672000 | 7.71E-11  |
| chr12 | 48668001 - 48673000 | 1.60E-05  |
| chr12 | 48676001 - 48681000 | 0.000123041 |
| chr12 | 48677001 - 48682000 | 7.30E-06  |
| chr12 | 48678001 - 48683000 | 4.86E-05  |
| chr12 | 48691001 - 48696000 | 3.70E-05  |
| chr12 | 48702001 - 48707000 | 2.27E-08  |
| chr12 | 48740001 - 48745000 | 1.52E-17  |
| chr12 | 48741001 - 48746000 | 1.19E-31  |
| chr12 | 48742001 - 48747000 | 2.91E-28  |
| chr12 | 48743001 - 48748000 | 1.45E-27  |
| chr12 | 48744001 - 48749000 | 1.76E-36  |
| chr12 | 48745001 - 48750000 | 2.64E-18  |
| chr12 | 48754001 - 48759000 | 3.27E-11  |
| chr12 | 48782001 - 48787000 | 7.56E-09  |
| chr12 | 48783001 - 48788000 | 4.61E-10  |
| chr12 | 48845001 - 48850000 | 4.16E-08  |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr12      | 48869001       | 48874000     | 4.73E-10 |
| chr12      | 48883001       | 48888000     | 1.74E-12 |
| chr12      | 48884001       | 48889000     | 4.26E-12 |
| chr12      | 48885001       | 48890000     | 1.48E-06 |
| chr12      | 48886001       | 48891000     | 9.88E-08 |
| chr12      | 48887001       | 48892000     | 2.53E-10 |
| chr12      | 49110001       | 49115000     | 3.31E-28 |
| chr12      | 49351001       | 49356000     | 4.59E-12 |
| chr12      | 49392001       | 49397000     | 1.31E-10 |
| chr12      | 49451001       | 49456000     | 2.01E-19 |
| chr12      | 49452001       | 49457000     | 2.48E-29 |
| chr12      | 49453001       | 49458000     | 3.01E-27 |
| chr12      | 49454001       | 49459000     | 2.66E-23 |
| chr12      | 50017001       | 50022000     | 1.09E-12 |
| chr12      | 50101001       | 50106000     | 6.34E-42 |
| chr12      | 50232001       | 50237000     | 2.59E-21 |
| chr12      | 50233001       | 50238000     | 1.00E-16 |
| chr12      | 50234001       | 50239000     | 4.23E-15 |
| chr12      | 50505001       | 50510000     | 7.96E-09 |
| chr12      | 50556001       | 50561000     | 1.15E-20 |
| chr12      | 50557001       | 50562000     | 1.25E-17 |
| chr12      | 50558001       | 50563000     | 1.42E-19 |
| chr12      | 50559001       | 50564000     | 4.19E-25 |
| chr12      | 50560001       | 50565000     | 7.87E-19 |
| chr12      | 50673001       | 50678000     | 9.26E-17 |
| chr12      | 50674001       | 50679000     | 7.30E-24 |
| chr12      | 50675001       | 50680000     | 9.14E-22 |
| chr12      | 50676001       | 50681000     | 1.12E-22 |
| chr12      | 50677001       | 50682000     | 9.95E-36 |
| chr12      | 50895001       | 50900000     | 6.45E-07 |
| chr12      | 50899001       | 50904000     | 2.14E-24 |
| chr12      | 51440001       | 51445000     | 5.28E-27 |
| chr12      | 51607001       | 51612000     | 5.74E-20 |
| chr12      | 51659001       | 51664000     | 2.77E-18 |
| chr12      | 51660001       | 51665000     | 5.65E-22 |
| chr12      | 51661001       | 51666000     | 1.21E-22 |
| chr12      | 51662001       | 51667000     | 1.62E-22 |
| chr12      | 51663001       | 51668000     | 1.52E-26 |
| chr12      | 51664001       | 51669000     | 1.16E-19 |
| chr12      | 51818001       | 51823000     | 1.18E-17 |
| chr12      | 51980001       | 51985000     | 6.18E-44 |
| chr12      | 51981001       | 51986000     | 3.15E-39 |
| chr12      | 51984001       | 51989000     | 5.64E-36 |
| chr12      | 51985001       | 51990000     | 4.43E-22 |
| chr12      | 52204001       | 52209000     | 3.75E-25 |
| chr12      | 52205001       | 52210000     | 5.85E-18 |
| chr12      | 52206001       | 52211000     | 1.34E-31 |
| chr12      | 52207001       | 52212000     | 1.60E-16 |
| chr12 | 52208001 | 52213000 | 1.38E-09 |
| chr12 | 52210001 | 52215000 | 3.69E-11 |
| chr12 | 52212001 | 52217000 | 1.41E-17 |
| chr12 | 52213001 | 52218000 | 9.16E-15 |
| chr12 | 52214001 | 52219000 | 6.28E-14 |
| chr12 | 52341001 | 52346000 | 8.90E-14 |
| chr12 | 52401001 | 52406000 | 1.03E-06 |
| chr12 | 52442001 | 52447000 | 2.20E-17 |
| chr12 | 52443001 | 52448000 | 1.31E-14 |
| chr12 | 53735001 | 53740000 | 1.49E-11 |
| chr12 | 53736001 | 53741000 | 1.99E-13 |
| chr12 | 53737001 | 53742000 | 4.61E-08 |
| chr12 | 54257001 | 54262000 | 0.000122708 |
| chr12 | 55014001 | 55019000 | 0.000163713 |
| chr12 | 55159001 | 55164000 | 1.29E-08 |
| chr12 | 55189001 | 55194000 | 0.000314107 |
| chr12 | 55217001 | 55222000 | 0.004071379 |
| chr12 | 55218001 | 55223000 | 0.005154245 |
| chr12 | 55219001 | 55224000 | 3.72E-05 |
| chr12 | 55452001 | 55457000 | 2.42E-06 |
| chr12 | 55525001 | 55530000 | 6.85E-05 |
| chr12 | 55526001 | 55531000 | 1.42E-05 |
| chr12 | 55527001 | 55532000 | 1.29E-06 |
| chr12 | 55538001 | 55543000 | 1.00E-08 |
| chr12 | 55539001 | 55544000 | 3.19E-10 |
| chr12 | 55540001 | 55545000 | 5.40E-10 |
| chr12 | 55573001 | 55578000 | 0.002062757 |
| chr12 | 55623001 | 55628000 | 0.017740441 |
| chr12 | 55624001 | 55629000 | 0.009967305 |
| chr12 | 55625001 | 55630000 | 0.002748218 |
| chr12 | 55684001 | 55689000 | 5.13E-08 |
| chr12 | 55685001 | 55690000 | 2.01E-07 |
| chr12 | 55686001 | 55691000 | 5.37E-07 |
| chr12 | 55690001 | 55695000 | 1.30E-05 |
| chr12 | 55728001 | 55733000 | 1.31E-07 |
| chr12 | 55729001 | 55734000 | 1.71E-05 |
| chr12 | 55730001 | 55735000 | 1.29E-13 |
| chr12 | 55731001 | 55736000 | 1.73E-09 |
| chr12 | 55732001 | 55737000 | 9.66E-10 |
| chr12 | 55734001 | 55739000 | 8.33E-13 |
| chr12 | 55757001 | 55762000 | 6.18E-06 |
| chr12 | 55758001 | 55763000 | 0.000180297 |
| chr12 | 55759001 | 55764000 | 5.35E-05 |
| chr12 | 55760001 | 55765000 | 2.86E-06 |
| chr12 | 55827001 | 55832000 | 3.36E-05 |
| chr12 | 55828001 | 55833000 | 3.72E-05 |
| chr12 | 55829001 | 55834000 | 8.94E-05 |
| chr12 | 55861001 | 55866000 | 0.000396495 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr12      | 55862001       | 55867000     | 6.56E-05|
| chr12      | 55883001       | 55888000     | 0.000153185|
| chr12      | 55918001       | 55923000     | 3.94E-05|
| chr12      | 55920001       | 55925000     | 6.35E-11|
| chr12      | 55921001       | 55926000     | 2.65E-08|
| chr12      | 55922001       | 55927000     | 2.04E-08|
| chr12      | 55923001       | 55928000     | 1.23E-05|
| chr12      | 56401001       | 56406000     | 3.27E-14|
| chr12      | 56498001       | 56503000     | 1.47E-31|
| chr12      | 56648001       | 56653000     | 2.73E-17|
| chr12      | 56694001       | 56699000     | 4.88E-14|
| chr12      | 57029001       | 57034000     | 1.30E-11|
| chr12      | 57146001       | 57151000     | 2.08E-20|
| chr12      | 57400001       | 57405000     | 8.68E-14|
| chr12      | 57619001       | 57624000     | 3.46E-08|
| chr12      | 57984001       | 57989000     | 1.75E-14|
| chr12      | 57985001       | 57990000     | 1.05E-14|
| chr12      | 58026001       | 58031000     | 1.67E-28|
| chr12      | 58041001       | 58046000     | 0.002119728|
| chr12      | 58042001       | 58047000     | 0.000417649|
| chr12      | 58166001       | 58171000     | 5.08E-24|
| chr12      | 58173001       | 58178000     | 1.92E-11|
| chr12      | 58174001       | 58179000     | 3.08E-14|
| chr12      | 58175001       | 58180000     | 1.18E-24|
| chr12      | 58176001       | 58181000     | 1.26E-29|
| chr12      | 58235001       | 58240000     | 4.18E-42|
| chr12      | 58236001       | 58241000     | 9.38E-46|
| chr12      | 58325001       | 58330000     | 4.19E-18|
| chr12      | 58326001       | 58331000     | 8.59E-17|
| chr12      | 58335001       | 58340000     | 1.31E-09|
| chr12      | 58500001       | 58505000     | 1.68E-05|
| chr12      | 58501001       | 58506000     | 9.28E-06|
| chr12      | 58502001       | 58507000     | 1.17E-07|
| chr12      | 59314001       | 59319000     | 1.25E-41|
| chr12      | 59653001       | 59658000     | 0.000404496|
| chr12      | 59654001       | 59659000     | 0.001967235|
| chr12      | 59655001       | 59660000     | 0.00254932|
| chr12      | 59697001       | 59702000     | 0.000736638|
| chr12      | 59740001       | 59745000     | 2.14E-08|
| chr12      | 59741001       | 59746000     | 1.28E-08|
| chr12      | 59743001       | 59748000     | 4.69E-05|
| chr12      | 59966001       | 59971000     | 0.007347303|
| chr12      | 59987001       | 59992000     | 1.95E-25|
| chr12      | 59989001       | 59994000     | 3.37E-24|
| chr12      | 59990001       | 59995000     | 5.42E-36|
| chr12      | 60201001       | 60206000     | 8.35E-05|
| chr12      | 60940001       | 60945000     | 5.71E-07|
| Chromosome | Start Position | End Position | p-Value   |
|------------|----------------|--------------|-----------|
| chr12      | 60941001       | 60946000     | 4.69E-06  |
| chr12      | 61006001       | 61011000     | 0.000202927 |
| chr12      | 61007001       | 61012000     | 5.85E-05  |
| chr12      | 61100001       | 61105000     | 0.00130835 |
| chr12      | 61478001       | 61483000     | 0.00178895 |
| chr12      | 61912001       | 61917000     | 0.000819205 |
| chr12      | 62065001       | 62070000     | 3.34E-09  |
| chr12      | 62066001       | 62071000     | 7.22E-08  |
| chr12      | 62069001       | 62074000     | 6.24E-07  |
| chr12      | 62076001       | 62081000     | 0.002641606 |
| chr12      | 62077001       | 62082000     | 0.00077373 |
| chr12      | 62078001       | 62083000     | 0.002193951 |
| chr12      | 62134001       | 62139000     | 0.000815603 |
| chr12      | 62376001       | 62381000     | 2.30E-06  |
| chr12      | 62389001       | 62394000     | 0.001700309 |
| chr12      | 62390001       | 62395000     | 0.000348267 |
| chr12      | 62410001       | 62415000     | 0.00126235 |
| chr12      | 62440001       | 62445000     | 2.84E-10  |
| chr12      | 62441001       | 62446000     | 1.26E-09  |
| chr12      | 62442001       | 62447000     | 2.00E-17  |
| chr12      | 62443001       | 62448000     | 4.06E-19  |
| chr12      | 62444001       | 62449000     | 1.08E-16  |
| chr12      | 62497001       | 62502000     | 3.99E-06  |
| chr12      | 62535001       | 62540000     | 1.78E-06  |
| chr12      | 62537001       | 62542000     | 8.32E-07  |
| chr12      | 62576001       | 62581000     | 8.75E-05  |
| chr12      | 62579001       | 62584000     | 5.21E-09  |
| chr12      | 62653001       | 62658000     | 9.73E-56  |
| chr12      | 62654001       | 62659000     | 6.28E-80  |
| chr12      | 62856001       | 62861000     | 2.52E-75  |
| chr12      | 62857001       | 62862000     | 3.21E-58  |
| chr12      | 62858001       | 62863000     | 7.96E-61  |
| chr12      | 62859001       | 62864000     | 1.44E-58  |
| chr12      | 62860001       | 62865000     | 6.34E-52  |
| chr12      | 62910001       | 62915000     | 8.65E-07  |
| chr12      | 62913001       | 62918000     | 3.88E-08  |
| chr12      | 62992001       | 62997000     | 1.14E-58  |
| chr12      | 63328001       | 63333000     | 1.51E-65  |
| chr12      | 64154001       | 64159000     | 0.000738158 |
| chr12      | 64156001       | 64161000     | 0.004602582 |
| chr12      | 64169001       | 64174000     | 2.18E-22  |
| chr12      | 64172001       | 64177000     | 4.43E-64  |
| chr12      | 64173001       | 64178000     | 1.58E-69  |
| chr12      | 64174001       | 64179000     | 1.47E-27  |
| chr12      | 64612001       | 64617000     | 1.16E-70  |
| chr12      | 64613001       | 64618000     | 1.91E-59  |
| chr12      | 64615001       | 64620000     | 5.84E-34  |
| chr12      | 64616001       | 64621000     | 7.65E-49  |
| Chromosome | Start | End | Log10(P-value) |
|------------|-------|-----|----------------|
| chr12      | 64794001 | 64799000 | 6.59E-54       |
| chr12      | 64795001 | 64800000 | 5.95E-73       |
| chr12      | 64798001 | 64803000 | 8.27E-58       |
| chr12      | 64841001 | 64846000 | 5.65E-65       |
| chr12      | 64842001 | 64847000 | 9.30E-63       |
| chr12      | 65153001 | 65158000 | 8.63E-35       |
| chr12      | 65175001 | 65180000 | 8.49E-37       |
| chr12      | 65319001 | 65324000 | 7.29E-06       |
| chr12      | 65378001 | 65383000 | 0.009908944    |
| chr12      | 65397001 | 65402000 | 5.27E-05       |
| chr12      | 65398001 | 65403000 | 0.030641568    |
| chr12      | 65434001 | 65439000 | 1.57E-05       |
| chr12      | 65446001 | 65451000 | 9.93E-05       |
| chr12      | 65448001 | 65453000 | 7.19E-07       |
| chr12      | 65476001 | 65481000 | 0.000494311    |
| chr12      | 65477001 | 65482000 | 0.000660524    |
| chr12      | 65478001 | 65483000 | 2.42E-05       |
| chr12      | 65510001 | 65515000 | 4.42E-22       |
| chr12      | 65530001 | 65535000 | 1.77E-05       |
| chr12      | 65531001 | 65536000 | 1.64E-05       |
| chr12      | 65532001 | 65537000 | 7.77E-06       |
| chr12      | 65559001 | 65564000 | 3.13E-47       |
| chr12      | 65668001 | 65673000 | 3.73E-34       |
| chr12      | 65669001 | 65674000 | 3.72E-41       |
| chr12      | 65670001 | 65675000 | 1.79E-50       |
| chr12      | 65671001 | 65676000 | 4.70E-65       |
| chr12      | 65672001 | 65677000 | 2.59E-81       |
| chr12      | 65673001 | 65678000 | 4.78E-29       |
| chr12      | 65708001 | 65713000 | 9.46E-05       |
| chr12      | 65709001 | 65714000 | 0.000352374    |
| chr12      | 65737001 | 65742000 | 1.23E-08       |
| chr12      | 66193001 | 66198000 | 0.000981207    |
| chr12      | 66197001 | 66202000 | 4.10E-07       |
| chr12      | 66199001 | 66204000 | 6.21E-08       |
| chr12      | 66206001 | 66205000 | 0.000769194    |
| chr12      | 66219001 | 66224000 | 1.71E-77       |
| chr12      | 66220001 | 66225000 | 1.31E-20       |
| chr12      | 66456001 | 66461000 | 1.60E-11       |
| chr12      | 66457001 | 66462000 | 1.33E-08       |
| chr12      | 66458001 | 66463000 | 6.75E-09       |
| chr12      | 66459001 | 66464000 | 1.42E-08       |
| chr12      | 66559001 | 66564000 | 9.33E-64       |
| chr12      | 66560001 | 66565000 | 2.18E-56       |
| chr12      | 66561001 | 66566000 | 1.50E-60       |
| chr12      | 67458001 | 67463000 | 4.18E-34       |
| chr12      | 67573001 | 67578000 | 4.48E-06       |
| chr12      | 67659001 | 67664000 | 4.38E-46       |
| chr12      | 67982001 | 67987000 | 1.88E-05       |
| Chr  | Start   | End     | p_value     |
|------|---------|---------|-------------|
| chr12| 67983001| 67988000| 0.00040429  |
| chr12| 67985001| 67990000| 1.08E-05    |
| chr12| 67986001| 67991000| 5.31E-05    |
| chr12| 68038001| 68043000| 2.68E-41    |
| chr12| 68042001| 68047000| 5.37E-44    |
| chr12| 68043001| 68048000| 5.91E-41    |
| chr12| 68255001| 68260000| 0.00058237  |
| chr12| 68518001| 68523000| 0.015528744 |
| chr12| 68519001| 68524000| 0.000146149 |
| chr12| 68557001| 68562000| 3.13E-05    |
| chr12| 68558001| 68563000| 3.84E-05    |
| chr12| 68656001| 68661000| 8.43E-06    |
| chr12| 68778001| 68783000| 0.00092311  |
| chr12| 68979001| 68801000| 2.80E-09    |
| chr12| 69079001| 69084000| 8.62E-58    |
| chr12| 69080001| 69085000| 3.88E-57    |
| chr12| 69081001| 69086000| 4.25E-18    |
| chr12| 69135001| 69140000| 4.86E-30    |
| chr12| 69629001| 69634000| 3.65E-35    |
| chr12| 69700001| 69705000| 1.27E-11    |
| chr12| 69860001| 69865000| 1.33E-41    |
| chr12| 69861001| 69866000| 1.03E-36    |
| chr12| 69977001| 69982000| 8.71E-83    |
| chr12| 69978001| 69983000| 2.03E-108   |
| chr12| 69979001| 69984000| 2.04E-152   |
| chr12| 70079001| 70084000| 2.89E-12    |
| chr12| 70080001| 70085000| 4.51E-13    |
| chr12| 70128001| 70133000| 1.35E-48    |
| chr12| 70131001| 70136000| 5.28E-123   |
| chr12| 70132001| 70137000| 4.41E-146   |
| chr12| 70133001| 70138000| 1.12E-130   |
| chr12| 70402001| 70407000| 1.50E-05    |
| chr12| 70609001| 70614000| 2.57E-09    |
| chr12| 70760001| 70765000| 8.59E-53    |
| chr12| 70999001| 71004000| 1.08E-77    |
| chr12| 71000001| 71005000| 9.81E-69    |
| chr12| 71001001| 71006000| 1.20E-93    |
| chr12| 71002001| 71007000| 4.52E-112   |
| chr12| 71003001| 71008000| 1.28E-127   |
| chr12| 71004001| 71009000| 1.19E-29    |
| chr12| 71191001| 71196000| 0.00497903  |
| chr12| 71192001| 71197000| 0.00173065  |
| chr12| 71286001| 71291000| 7.68E-06    |
| chr12| 71339001| 71344000| 4.68E-09    |
| chr12| 71482001| 71487000| 2.23E-05    |
| chr12| 71490001| 71495000| 1.12E-05    |
| chr12| 71492001| 71497000| 4.52E-09    |
| chr12| 71494001| 71499000| 4.76E-09    |
| Chromosome | Start | End   | p-value  |
|------------|-------|-------|----------|
| chr12      | 71518001 | 71523000 | 0.002193065 |
| chr12      | 71620001 | 71625000 | 0.004375872 |
| chr12      | 71654001 | 71659000 | 6.45E-09 |
| chr12      | 71655001 | 71660000 | 2.63E-08 |
| chr12      | 71656001 | 71661000 | 1.23E-08 |
| chr12      | 71657001 | 71662000 | 1.47E-08 |
| chr12      | 71687001 | 71692000 | 9.90E-05 |
| chr12      | 71775001 | 71780000 | 0.000740416 |
| chr12      | 71776001 | 71781000 | 2.41E-05 |
| chr12      | 71777001 | 71782000 | 6.70E-11 |
| chr12      | 71778001 | 71783000 | 4.58E-10 |
| chr12      | 71779001 | 71784000 | 5.91E-10 |
| chr12      | 71780001 | 71785000 | 5.34E-09 |
| chr12      | 71781001 | 71786000 | 1.94E-07 |
| chr12      | 71790001 | 71795000 | 0.001213525 |
| chr12      | 72598001 | 72603000 | 0.00497903 |
| chr12      | 72671001 | 72676000 | 0.004241596 |
| chr12      | 73035001 | 73040000 | 0.0064636 |
| chr12      | 73036001 | 73041000 | 0.006634869 |
| chr12      | 73070001 | 73075000 | 7.16E-05 |
| chr12      | 73071001 | 73076000 | 0.000191321 |
| chr12      | 73089001 | 73094000 | 0.000427418 |
| chr12      | 73090001 | 73095000 | 0.000564296 |
| chr12      | 73231001 | 73236000 | 3.16E-07 |
| chr12      | 73234001 | 73239000 | 1.09E-07 |
| chr12      | 73470001 | 73475000 | 1.93E-07 |
| chr12      | 73719001 | 73724000 | 0.001208806 |
| chr12      | 73759001 | 73764000 | 8.62E-05 |
| chr12      | 73968001 | 73973000 | 7.32E-05 |
| chr12      | 73969001 | 73974000 | 2.97E-05 |
| chr12      | 74110001 | 74115000 | 0.000228777 |
| chr12      | 74485001 | 74490000 | 6.63E-07 |
| chr12      | 74707001 | 74712000 | 0.003153986 |
| chr12      | 75259001 | 75264000 | 2.58E-06 |
| chr12      | 75260001 | 75265000 | 8.17E-07 |
| chr12      | 75261001 | 75266000 | 1.05E-06 |
| chr12      | 75262001 | 75267000 | 0.000187115 |
| chr12      | 75324001 | 75329000 | 0.029465982 |
| chr12      | 75380001 | 75385000 | 0.005301327 |
| chr12      | 75719001 | 75724000 | 1.41E-11 |
| chr12      | 75725001 | 75730000 | 5.33E-10 |
| chr12      | 75726001 | 75731000 | 1.55E-07 |
| chr12      | 75727001 | 75732000 | 1.14E-10 |
| chr12      | 75728001 | 75733000 | 4.11E-11 |
| chr12      | 75780001 | 75785000 | 1.23E-20 |
| chr12      | 75782001 | 75787000 | 4.38E-21 |
| chr12      | 75784001 | 75789000 | 1.23E-27 |
chr12  75785001  75790000  5.23E-27
chr12  75900001  75905000  8.54E-09
chr12  76020001  76025000  3.42E-05
chr12  76021001  76026000  1.03E-06
chr12  76024001  76029000  3.22E-06
chr12  76420001  76425000  5.89E-26
chr12  76423001  76428000  5.99E-22
chr12  76424001  76429000  6.51E-33
chr12  76425001  76430000  1.36E-42
chr12  76426001  76431000  2.23E-27
chr12  76556001  76561000  3.94E-07
chr12  76737001  76742000  2.41E-31
chr12  76844001  76849000  1.03E-06
chr12  76845001  76850000  1.22E-06
chr12  76846001  76851000  3.77E-06
chr12  76847001  76852000  4.27E-05
chr12  76848001  76853000  7.65E-05
chr12  76867001  76872000  4.00E-05
chr12  76868001  76873000  6.63E-08
chr12  76949001  76954000  8.47E-42
chr12  76950001  76955000  2.31E-34
chr12  76951001  76956000  1.35E-45
chr12  76952001  76957000  1.14E-49
chr12  76953001  76958000  6.18E-63
chr12  77153001  77158000  5.48E-23
chr12  77154001  77159000  8.56E-47
chr12  77155001  77160000  2.45E-63
chr12  77156001  77161000  4.74E-52
chr12  77157001  77162000  8.25E-35
chr12  77158001  77163000  5.77E-40
chr12  77270001  77275000  4.51E-21
chr12  77271001  77276000  1.82E-26
chr12  77272001  77277000  2.06E-31
chr12  77456001  77461000  3.54E-39
chr12  77457001  77462000  1.51E-58
chr12  77458001  77463000  1.21E-55
chr12  77459001  77464000  8.69E-76
chr12  77714001  77719000  2.90E-15
chr12  77717001  77722000  3.52E-27
chr12  77743001  77748000  7.26E-05
chr12  78065001  78070000  3.70E-05
chr12  78066001  78071000  3.99E-05
chr12  78137001  78142000  0.000697964
chr12  78142001  78147000  0.00065104
chr12  78143001  78148000  0.001984036
chr12  78144001  78149000  0.000205525
chr12  78278001  78283000  0.001346067
chr12  78279001  78284000  0.001189331
chr12  78280001  78285000  0.009593647
chr12  78462001  78467000  2.14E-07
chr12  79253001  79258000  4.82E-54
chr12  79254001  79259000  2.51E-55
chr12  79255001  79260000  1.13E-49
chr12  79436001  79441000  6.12E-18
chr12  79452001  79457000  0.017100925
chr12  79739001  79744000  3.79E-07
chr12  79873001  79878000  0.003095023
chr12  80324001  80329000  7.21E-96
chr12  80450001  80455000  2.32E-05
chr12  80893001  80898000  0.000370363
chr12  80894001  80899000  1.01E-07
chr12  80895001  80900000  8.92E-07
chr12  81326001  81331000  1.49E-63
chr12  81327001  81332000  8.27E-53
chr12  81328001  81333000  6.07E-32
chr12  81749001  81754000  0.00071216
chr12  82148001  82153000  1.17E-52
chr12  82557001  82562000  0.003093976
chr12  82689001  82694000  0.001251888
chr12  83007001  83012000  2.54E-05
chr12  83081001  83086000  1.59E-63
chr12  83239001  83244000  1.24E-10
chr12  83673001  83678000  0.004341096
chr12  83697001  83702000  6.72E-07
chr12  83698001  83703000  0.000370363
chr12  83773001  83778000  0.033525606
chr12  83904001  83909000  6.14E-07
chr12  84324001  84329000  0.002595145
chr12  84325001  84330000  0.000867208
chr12  84326001  84331000  0.000503038
chr12  84486001  84491000  0.013631916
chr12  84815001  84820000  0.000156127
chr12  84816001  84821000  0.000124952
chr12  84817001  84822000  0.0001127
chr12  84818001  84823000  0.002072436
chr12  84819001  84824000  0.015256872
chr12  85300001  85305000  0.000120821
chr12  85306001  85311000  5.76E-56
chr12  85662001  85667000  1.17E-08
chr12  85858001  85863000  1.80E-08
chr12  86654001  86659000  1.21E-16
chr12  88425001  88430000  5.61E-43
chr12  88426001  88431000  2.62E-43
chr12  88427001  88432000  9.71E-46
chr12  88428001  88433000  5.71E-44
chr12  88429001  88434000  1.68E-48
| chr12 |    |    |       |
|-------|----|----|-------|
|       | 88531001  | 88536000  | 1.10E-35  |
|       | 88973001  | 88978000  | 4.61E-114 |
|       | 88974001  | 88979000  | 1.60E-97  |
|       | 89184001  | 89189000  | 8.02E-06  |
|       | 89185001  | 89190000  | 6.86E-05  |
|       | 89186001  | 89191000  | 7.21E-05  |
|       | 89486001  | 89491000  | 0.000569419 |
|       | 89510001  | 89515000  | 0.001511166 |
|       | 89511001  | 89516000  | 0.003063289 |
|       | 89570001  | 89575000  | 0.004848319 |
|       | 89571001  | 89576000  | 0.002804557 |
|       | 90097001  | 90102000  | 2.91E-51  |
|       | 90098001  | 90103000  | 2.30E-85  |
|       | 90102001  | 90107000  | 3.78E-113 |
|       | 90103001  | 90108000  | 2.14E-104 |
|       | 90181001  | 90186000  | 0.000530465 |
|       | 90690001  | 90695000  | 0.014927124 |
|       | 90691001  | 90696000  | 0.026105934 |
|       | 90827001  | 90832000  | 0.007502247 |
|       | 90898001  | 90903000  | 0.000347636 |
|       | 91519001  | 91524000  | 1.90E-07  |
|       | 91520001  | 91525000  | 7.16E-09  |
|       | 91521001  | 91526000  | 1.78E-11  |
|       | 91522001  | 91527000  | 2.47E-13  |
|       | 91523001  | 91528000  | 6.25E-11  |
|       | 91790001  | 91795000  | 9.95E-05  |
|       | 91791001  | 91796000  | 0.000146883 |
|       | 92022001  | 92027000  | 0.000636989 |
|       | 92042001  | 92047000  | 0.001535015 |
|       | 92209001  | 92214000  | 0.003204003 |
|       | 92237001  | 92242000  | 1.65E-05  |
|       | 93078001  | 93083000  | 1.66E-06  |
|       | 93163001  | 93168000  | 5.06E-05  |
|       | 93164001  | 93169000  | 0.006542678 |
|       | 93318001  | 93323000  | 1.65E-66  |
|       | 93319001  | 93324000  | 3.42E-64  |
|       | 93322001  | 93327000  | 3.12E-31  |
|       | 93323001  | 93328000  | 1.46E-25  |
|       | 93767001  | 93772000  | 5.86E-40  |
|       | 93835001  | 93840000  | 1.58E-45  |
|       | 93836001  | 93841000  | 5.96E-21  |
|       | 93858001  | 93863000  | 5.21E-15  |
|       | 93859001  | 93864000  | 6.87E-16  |
|       | 93860001  | 93865000  | 1.65E-17  |
|       | 93861001  | 93866000  | 1.89E-17  |
|       | 93964001  | 93969000  | 9.65E-53  |
|       | 93965001  | 93970000  | 7.70E-42  |
|       | 93966001  | 93971000  | 6.73E-31  |
| Chr | Start | End   | Value   |
|-----|-------|-------|---------|
| chr12 | 93967001 | 93972000 | 1.48E-21 |
| chr12 | 94133001 | 94138000 | 4.47E-16 |
| chr12 | 94134001 | 94139000 | 5.97E-18 |
| chr12 | 94136001 | 94141000 | 1.28E-15 |
| chr12 | 94538001 | 94543000 | 2.49E-16 |
| chr12 | 94539001 | 94544000 | 1.46E-20 |
| chr12 | 94854001 | 94859000 | 4.35E-15 |
| chr12 | 94855001 | 94856000 | 5.97E-18 |
| chr12 | 94857001 | 94858000 | 1.28E-15 |
| chr12 | 94538001 | 94543000 | 2.49E-16 |
| chr12 | 94539001 | 94544000 | 1.46E-20 |
| chr12 | 94854001 | 94859000 | 4.35E-15 |
| chr12 | 94855001 | 94856000 | 5.97E-18 |
| chr12 | 94857001 | 94858000 | 1.28E-15 |
| chr12 | 94538001 | 94543000 | 2.49E-16 |
| chr12 | 94539001 | 94544000 | 1.46E-20 |
| chr12 | 94854001 | 94859000 | 4.35E-15 |
| chr12 | 94855001 | 94856000 | 5.97E-18 |
| chr12 | 94857001 | 94858000 | 1.28E-15 |
| chr12 | 94538001 | 94543000 | 2.49E-16 |
| chr12 | 94539001 | 94544000 | 1.46E-20 |
| chr12 | 94854001 | 94859000 | 4.35E-15 |
| chr12 | 94855001 | 94856000 | 5.97E-18 |
| chr12 | 94857001 | 94858000 | 1.28E-15 |
| chr12 | 94538001 | 94543000 | 2.49E-16 |
| chr12 | 94539001 | 94544000 | 1.46E-20 |
| chr12 | 94854001 | 94859000 | 4.35E-15 |
| chr12 | 94855001 | 94856000 | 5.97E-18 |
| chr12 | 94857001 | 94858000 | 1.28E-15 |
| chr12 | 94538001 | 94543000 | 2.49E-16 |
| chr12 | 94539001 | 94544000 | 1.46E-20 |
| chr12 | 94854001 | 94859000 | 4.35E-15 |
| chr12 | 94855001 | 94856000 | 5.97E-18 |
| chr12 | 94857001 | 94858000 | 1.28E-15 |
| chr12 | 94538001 | 94543000 | 2.49E-16 |
| chr12 | 94539001 | 94544000 | 1.46E-20 |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr12      | 98495001 | 98500000 | 0.000230718 |
| chr12      | 98515001 | 98520000 | 1.46E-07 |
| chr12      | 99282001 | 99287000 | 1.11E-25 |
| chr12      | 99318001 | 99323000 | 7.79E-09 |
| chr12      | 99319001 | 99324000 | 2.04E-09 |
| chr12      | 99352001 | 99357000 | 3.22E-10 |
| chr12      | 100102001 | 100107000 | 0.009024441 |
| chr12      | 100103001 | 100108000 | 0.011102775 |
| chr12      | 100146001 | 100151000 | 0.002732134 |
| chr12      | 100373001 | 100378000 | 1.21E-09 |
| chr12      | 100374001 | 100379000 | 6.66E-34 |
| chr12      | 100375001 | 100380000 | 3.63E-40 |
| chr12      | 100376001 | 100381000 | 5.04E-40 |
| chr12      | 100377001 | 100382000 | 3.62E-26 |
| chr12      | 100378001 | 100383000 | 7.76E-24 |
| chr12      | 100531001 | 100536000 | 1.33E-11 |
| chr12      | 100532001 | 100537000 | 8.74E-51 |
| chr12      | 100533001 | 100538000 | 2.49E-52 |
| chr12      | 100534001 | 100539000 | 5.66E-87 |
| chr12      | 100535001 | 100540000 | 1.19E-88 |
| chr12      | 100536001 | 100541000 | 3.00E-93 |
| chr12      | 100589001 | 100594000 | 1.03E-17 |
| chr12      | 100656001 | 100661000 | 2.87E-24 |
| chr12      | 101111001 | 101116000 | 9.08E-19 |
| chr12      | 101161001 | 101166000 | 0.000513824 |
| chr12      | 101400001 | 101405000 | 0.031106142 |
| chr12      | 101671001 | 101676000 | 2.86E-24 |
| chr12      | 101672001 | 101677000 | 4.31E-24 |
| chr12      | 101673001 | 101678000 | 7.24E-25 |
| chr12      | 101674001 | 101679000 | 3.04E-31 |
| chr12      | 101797001 | 101802000 | 1.23E-35 |
| chr12      | 101800001 | 101805000 | 1.36E-31 |
| chr12      | 101801001 | 101806000 | 4.12E-26 |
| chr12      | 101802001 | 101807000 | 6.94E-10 |
| chr12      | 102092001 | 102097000 | 2.30E-27 |
| chr12      | 102267001 | 102272000 | 6.53E-40 |
| chr12      | 102509001 | 102514000 | 7.48E-62 |
| chr12      | 102538001 | 102543000 | 3.05E-11 |
| chr12      | 102539001 | 102544000 | 2.46E-11 |
| chr12      | 102571001 | 102576000 | 0.001020054 |
| chr12      | 102574001 | 102579000 | 0.008068835 |
| chr12      | 102650001 | 102655000 | 0.000579868 |
| chr12      | 102651001 | 102656000 | 0.002258851 |
| chr12      | 102693001 | 102698000 | 0.001120718 |
| chr12      | 102723001 | 102728000 | 0.005760291 |
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|---------------|
| chr12      | 10272 | 10279 | 0.005760291   |
| chr12      | 10275 | 10276 | 0.00184131    |
| chr12      | 10276 | 10277 | 0.001375006   |
| chr12      | 10276 | 10277 | 0.001344433   |
| chr12      | 10280 | 10281 | 4.46E-08      |
| chr12      | 10288 | 10289 | 2.18E-10      |
| chr12      | 10308 | 10309 | 2.40E-05      |
| chr12      | 10308 | 10309 | 5.29E-06      |
| chr12      | 10308 | 10309 | 2.43E-06      |
| chr12      | 10309 | 10309 | 0.001388808   |
| chr12      | 10310 | 10311 | 0.002089168   |
| chr12      | 10314 | 10314 | 0.000227213   |
| chr12      | 10327 | 10328 | 1.39E-10      |
| chr12      | 10352 | 10353 | 0.000444596   |
| chr12      | 10353 | 10353 | 4.75E-06      |
| chr12      | 10365 | 10366 | 0.000219797   |
| chr12      | 10366 | 10367 | 0.000305167   |
| chr12      | 10367 | 10368 | 0.00004782    |
| chr12      | 10373 | 10373 | 7.99E-08      |
| chr12      | 10373 | 10373 | 3.08E-07      |
| chr12      | 10379 | 10379 | 0.00198957    |
| chr12      | 10384 | 10384 | 2.63E-06      |
| chr12      | 10384 | 10384 | 5.40E-06      |
| chr12      | 10384 | 10384 | 2.80E-05      |
| chr12      | 10384 | 10384 | 5.58E-07      |
| chr12      | 10389 | 10389 | 0.006968442   |
| chr12      | 10388 | 10389 | 0.011824463   |
| chr12      | 10388 | 10389 | 4.26E-17      |
| chr12      | 10388 | 10389 | 2.47E-18      |
| chr12      | 10400 | 10400 | 3.41E-12      |
| chr12      | 10423 | 10423 | 1.42E-39      |
| chr12      | 10423 | 10423 | 1.06E-38      |
| chr12      | 10423 | 10423 | 2.89E-47      |
| chr12      | 10423 | 10423 | 1.84E-27      |
| chr12      | 10434 | 10434 | 1.11E-19      |
| chr12      | 10445 | 10445 | 5.69E-19      |
| chr12      | 10445 | 10445 | 1.29E-38      |
| chr12      | 10445 | 10445 | 7.80E-49      |
| chr12      | 10445 | 10445 | 3.18E-66      |
| chr12      | 10445 | 10445 | 2.91E-13      |
| chr12      | 10453 | 10453 | 1.05E-65      |
| chr12      | 10453 | 10453 | 7.27E-69      |
| chr12      | 10453 | 10453 | 1.29E-51      |
| chr12      | 10453 | 10453 | 6.92E-47      |
| chr12      | 10453 | 10453 | 6.58E-53      |
| chr12      | 10453 | 10453 | 1.24E-32      |
| chr12      | 10534 | 10534 | 3.51E-15      |
| chr12      | 10537 | 10537 | 9.31E-31      |
| Chromosome | Start Position | End Position | P-value       |
|------------|----------------|--------------|---------------|
| chr12      | 105377001      | 105382000    | 5.73E-21      |
| chr12      | 105378001      | 105383000    | 5.71E-35      |
| chr12      | 105379001      | 105384000    | 8.31E-32      |
| chr12      | 105380001      | 105385000    | 4.53E-29      |
| chr12      | 105473001      | 105478000    | 1.82E-06      |
| chr12      | 105501001      | 105506000    | 3.27E-57      |
| chr12      | 105922001      | 105927000    | 0.00269335    |
| chr12      | 105926001      | 105931000    | 3.98E-06      |
| chr12      | 105933001      | 105938000    | 5.31E-07      |
| chr12      | 106027001      | 106032000    | 0.002760798   |
| chr12      | 106028001      | 106033000    | 0.000740283   |
| chr12      | 106029001      | 106034000    | 0.00119338    |
| chr12      | 106696001      | 106701000    | 1.06E-39      |
| chr12      | 107165001      | 107170000    | 3.33E-35      |
| chr12      | 107166001      | 107171000    | 3.73E-32      |
| chr12      | 107167001      | 107172000    | 5.74E-35      |
| chr12      | 107345001      | 107350000    | 2.83E-42      |
| chr12      | 107346001      | 107351000    | 7.87E-38      |
| chr12      | 107482001      | 107487000    | 6.16E-48      |
| chr12      | 107708001      | 107713000    | 3.21E-30      |
| chr12      | 107709001      | 107714000    | 1.18E-41      |
| chr12      | 108150001      | 108155000    | 2.21E-36      |
| chr12      | 108194001      | 108199000    | 2.10E-06      |
| chr12      | 108244001      | 108249000    | 3.49E-08      |
| chr12      | 108278001      | 108283000    | 1.16E-06      |
| chr12      | 108356001      | 108361000    | 5.01E-09      |
| chr12      | 108528001      | 108533000    | 1.42E-05      |
| chr12      | 109486001      | 109491000    | 2.20E-18      |
| chr12      | 109487001      | 109492000    | 1.24E-18      |
| chr12      | 109488001      | 109493000    | 1.22E-26      |
| chr12      | 109489001      | 109494000    | 1.60E-20      |
| chr12      | 109490001      | 109495000    | 2.35E-36      |
| chr12      | 110007001      | 110012000    | 3.41E-19      |
| chr12      | 110314001      | 110319000    | 1.77E-20      |
| chr12      | 110429001      | 110434000    | 5.42E-11      |
| chr12      | 110482001      | 110487000    | 6.34E-21      |
| chr12      | 110483001      | 110488000    | 6.11E-20      |
| chr12      | 110886001      | 110891000    | 2.87E-25      |
| chr12      | 110887001      | 110892000    | 7.77E-35      |
| chr12      | 110888001      | 110893000    | 4.53E-27      |
| chr12      | 110906001      | 110911000    | 9.26E-33      |
| chr12      | 111100001      | 111105000    | 3.99E-09      |
| chr12      | 1111802001     | 1111807000   | 1.63E-07      |
| chr12      | 1111803001     | 1111808000   | 9.91E-08      |
| chr12      | 1111805001     | 1111810000   | 1.02E-13      |
| chr12      | 1111843001     | 1111848000   | 4.38E-10      |
| chr12      | 112031001      | 112036000    | 2.25E-11      |
| chr12      | 112032001      | 112037000    | 9.08E-11      |
| Chromosome | Start | End   | p-value |
|------------|-------|-------|---------|
| chr12      | 112119001 | 112124000 | 7.61E-30 |
| chr12      | 112122001 | 112127000 | 8.93E-41 |
| chr12      | 112123001 | 112128000 | 9.79E-59 |
| chr12      | 112124001 | 112129000 | 3.28E-31 |
| chr12      | 112280001 | 112285000 | 9.45E-42 |
| chr12      | 112450001 | 112455000 | 9.16E-51 |
| chr12      | 112451001 | 112456000 | 1.41E-51 |
| chr12      | 112815001 | 112820000 | 2.51E-31 |
| chr12      | 112816001 | 112821000 | 1.07E-28 |
| chr12      | 112817001 | 112822000 | 9.96E-26 |
| chr12      | 112818001 | 112823000 | 6.46E-29 |
| chr12      | 112819001 | 112824000 | 4.07E-38 |
| chr12      | 112820001 | 112825000 | 5.29E-22 |
| chr12      | 113768001 | 113773000 | 4.69E-10 |
| chr12      | 113794001 | 113799000 | 1.72E-11 |
| chr12      | 113795001 | 113800000 | 2.96E-12 |
| chr12      | 113796001 | 113801000 | 5.16E-18 |
| chr12      | 114172001 | 114177000 | 1.03E-06 |
| chr12      | 114487001 | 114492000 | 2.44E-09 |
| chr12      | 114515001 | 114520000 | 4.24E-05 |
| chr12      | 114537001 | 114542000 | 0.000498205 |
| chr12      | 115222001 | 115227000 | 2.73E-09 |
| chr12      | 115277001 | 115282000 | 2.45E-07 |
| chr12      | 115407001 | 115412000 | 3.65E-07 |
| chr12      | 115408001 | 115413000 | 1.39E-10 |
| chr12      | 115409001 | 115414000 | 8.16E-07 |
| chr12      | 115511001 | 115516000 | 2.25E-07 |
| chr12      | 115518001 | 115523000 | 8.64E-08 |
| chr12      | 115519001 | 115524000 | 3.99E-07 |
| chr12      | 115522001 | 115527000 | 2.23E-06 |
| chr12      | 115546001 | 115551000 | 0.000134056 |
| chr12      | 115558001 | 115563000 | 6.68E-10 |
| chr12      | 115559001 | 115564000 | 1.59E-05 |
| chr12      | 115612001 | 115617000 | 1.00E-09 |
| chr12      | 115621001 | 115626000 | 2.85E-08 |
| chr12      | 115677001 | 115682000 | 2.81E-10 |
| chr12      | 115678001 | 115683000 | 4.03E-10 |
| chr12      | 115712001 | 115717000 | 1.72E-05 |
| chr12      | 115766001 | 115771000 | 0.002367195 |
| chr12      | 115983001 | 115988000 | 4.32E-05 |
| chr12      | 115984001 | 115990000 | 9.55E-05 |
| chr12      | 116037001 | 116042000 | 1.06E-15 |
| chr12      | 116108001 | 116113000 | 7.21E-14 |
| chr12      | 116114001 | 116119000 | 7.44E-05 |
| chr12      | 116117001 | 116122000 | 2.12E-06 |
| chr12      | 116142001 | 116147000 | 3.73E-07 |
| chr12      | 116145001 | 116150000 | 9.46E-12 |
| Chr | Start   | End     | P-value |
|-----|---------|---------|---------|
| chr12 | 116163001 | 116168000 | 3.53E-06 |
| chr12 | 116164001 | 116169000 | 3.76E-06 |
| chr12 | 116180001 | 116185000 | 2.87E-05 |
| chr12 | 116205001 | 116210000 | 3.28E-08 |
| chr12 | 116206001 | 116211000 | 1.67E-07 |
| chr12 | 116207001 | 116212000 | 2.07E-07 |
| chr12 | 116249001 | 116254000 | 8.91E-05 |
| chr12 | 116260001 | 116265000 | 1.43E-11 |
| chr12 | 116261001 | 116266000 | 4.34E-10 |
| chr12 | 116290001 | 116295000 | 1.92E-06 |
| chr12 | 116337001 | 116342000 | 8.90E-13 |
| chr12 | 116338001 | 116343000 | 1.01E-13 |
| chr12 | 116339001 | 116344000 | 4.55E-14 |
| chr12 | 116340001 | 116345000 | 1.61E-18 |
| chr12 | 116466001 | 116471000 | 1.98E-13 |
| chr12 | 116467001 | 116472000 | 7.52E-16 |
| chr12 | 116715001 | 116720000 | 1.02E-13 |
| chr12 | 117171001 | 117176000 | 7.25E-22 |
| chr12 | 117318001 | 117323000 | 5.96E-18 |
| chr12 | 117347001 | 117352000 | 6.71E-31 |
| chr12 | 117348001 | 117353000 | 1.27E-27 |
| chr12 | 117349001 | 117354000 | 7.10E-15 |
| chr12 | 118182001 | 118187000 | 1.30E-05 |
| chr12 | 118450001 | 118455000 | 6.55E-42 |
| chr12 | 118451001 | 118456000 | 3.52E-28 |
| chr12 | 118452001 | 118457000 | 6.73E-27 |
| chr12 | 118537001 | 118542000 | 1.12E-40 |
| chr12 | 118538001 | 118543000 | 1.37E-31 |
| chr12 | 118572001 | 118577000 | 4.32E-22 |
| chr12 | 118573001 | 118578000 | 2.49E-26 |
| chr12 | 118574001 | 118579000 | 1.54E-24 |
| chr12 | 118622001 | 118627000 | 0.000941011 |
| chr12 | 118859001 | 118864000 | 6.15E-06 |
| chr12 | 119190001 | 119195000 | 3.65E-09 |
| chr12 | 119244001 | 119249000 | 9.88E-10 |
| chr12 | 119245001 | 119250000 | 6.82E-11 |
| chr12 | 119336001 | 119341000 | 2.91E-07 |
| chr12 | 119444001 | 119449000 | 6.67E-19 |
| chr12 | 119445001 | 119450000 | 3.74E-22 |
| chr12 | 119446001 | 119451000 | 6.06E-15 |
| chr12 | 119544001 | 119549000 | 4.24E-12 |
| chr12 | 119695001 | 119700000 | 1.89E-11 |
| chr12 | 119696001 | 119701000 | 1.39E-13 |
| chr12 | 119697001 | 119702000 | 1.13E-05 |
| chr12 | 119890001 | 119895000 | 0.000932863 |
| chr12 | 120019001 | 120024000 | 6.02E-07 |
| chr12 | 120043001 | 120048000 | 0.000267025 |
| chr12 | 120044001 | 120049000 | 3.92E-07 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr12      | 120085001 | 120090000 | 2.03E-08  |
| chr12      | 120423001 | 120428000 | 1.73E-24  |
| chr12      | 120427001 | 120432000 | 6.97E-28  |
| chr12      | 120521001 | 120526000 | 1.13E-24  |
| chr12      | 120805001 | 120810000 | 1.15E-05  |
| chr12      | 120806001 | 120811000 | 2.27E-20  |
| chr12      | 120807001 | 120812000 | 5.41E-15  |
| chr12      | 120880001 | 120885000 | 1.69E-27  |
| chr12      | 120882001 | 120887000 | 1.36E-29  |
| chr12      | 120883001 | 120888000 | 7.72E-20  |
| chr12      | 120884001 | 120889000 | 9.99E-30  |
| chr12      | 120903001 | 120908000 | 3.07E-16  |
| chr12      | 120904001 | 120909000 | 2.12E-25  |
| chr12      | 120905001 | 120910000 | 4.07E-26  |
| chr12      | 120906001 | 120911000 | 1.55E-29  |
| chr12      | 120907001 | 120912000 | 2.85E-27  |
| chr12      | 120929001 | 120934000 | 4.68E-27  |
| chr12      | 120930001 | 120935000 | 2.51E-55  |
| chr12      | 120963001 | 120968000 | 6.61E-17  |
| chr12      | 120964001 | 120969000 | 1.42E-28  |
| chr12      | 120965001 | 120970000 | 1.58E-20  |
| chr12      | 121076001 | 121081000 | 2.74E-08  |
| chr12      | 121077001 | 121082000 | 6.28E-11  |
| chr12      | 121078001 | 121083000 | 4.23E-11  |
| chr12      | 121144001 | 121149000 | 2.13E-33  |
| chr12      | 121159001 | 121164000 | 4.85E-10  |
| chr12      | 121160001 | 121165000 | 2.91E-25  |
| chr12      | 121161001 | 121166000 | 7.48E-23  |
| chr12      | 121163001 | 121168000 | 8.48E-20  |
| chr12      | 121337001 | 121342000 | 4.65E-10  |
| chr12      | 121644001 | 121649000 | 2.39E-10  |
| chr12      | 121730001 | 121735000 | 3.17E-18  |
| chr12      | 121731001 | 121736000 | 2.50E-34  |
| chr12      | 121734001 | 121739000 | 3.59E-17  |
| chr12      | 121838001 | 121843000 | 1.20E-56  |
| chr12      | 121900001 | 121905000 | 7.13E-28  |
| chr12      | 121901001 | 121906000 | 6.30E-23  |
| chr12      | 121903001 | 121908000 | 1.56E-32  |
| chr12      | 121904001 | 121909000 | 6.17E-25  |
| chr12      | 121905001 | 121910000 | 2.64E-12  |
| chr12      | 122242001 | 122247000 | 4.98E-08  |
| chr12      | 122322001 | 122327000 | 2.18E-20  |
| chr12      | 122512001 | 122517000 | 5.83E-21  |
| chr12      | 122684001 | 122689000 | 8.52E-20  |
| chr12      | 122706001 | 122711000 | 6.15E-32  |
| chr12      | 122710001 | 122715000 | 3.46E-30  |
| chr12      | 123011001 | 123016000 | 4.08E-32  |
| chr12      | 123233001 | 123238000 | 3.91E-33  |
| Chr   | Start   | Stop    | p-value   |
|-------|---------|---------|-----------|
| chr12 | 123316001 | 123321000 | 1.37E-33  |
| chr12 | 123631001 | 123636000 | 1.03E-10  |
| chr12 | 123635001 | 123640000 | 3.77E-23  |
| chr12 | 123713001 | 123718000 | 7.53E-20  |
| chr12 | 123920001 | 123925000 | 5.54E-07  |
| chr12 | 123921001 | 123926000 | 2.96E-08  |
| chr12 | 124014001 | 124019000 | 1.02E-12  |
| chr12 | 124015001 | 124020000 | 4.51E-32  |
| chr12 | 124016001 | 124021000 | 6.80E-33  |
| chr12 | 124017001 | 124022000 | 1.35E-33  |
| chr12 | 124018001 | 124023000 | 9.10E-29  |
| chr12 | 124082001 | 124087000 | 2.53E-28  |
| chr12 | 124242001 | 124247000 | 4.32E-20  |
| chr12 | 124452001 | 124457000 | 4.93E-44  |
| chr12 | 124453001 | 124458000 | 1.20E-55  |
| chr12 | 125344001 | 125349000 | 1.52E-56  |
| chr12 | 125345001 | 125350000 | 5.26E-38  |
| chr12 | 125346001 | 125351000 | 4.81E-05  |
| chr12 | 125347001 | 125352000 | 2.31E-16  |
| chr12 | 125348001 | 125353000 | 3.79E-16  |
| chr12 | 125478001 | 125483000 | 4.34E-36  |
| chr12 | 125534001 | 125539000 | 9.31E-20  |
| chr12 | 126077001 | 126082000 | 3.19E-06  |
| chr12 | 126114001 | 126119000 | 6.31E-05  |
| chr12 | 126220001 | 126225000 | 1.21E-06  |
| chr12 | 126467001 | 126472000 | 1.15E-13  |
| chr12 | 126507001 | 126512000 | 7.11E-09  |
| chr12 | 126510001 | 126515000 | 9.48E-06  |
| chr12 | 126819001 | 126824000 | 4.06E-06  |
| chr12 | 126821001 | 126826000 | 0.000209773  |
| chr12 | 127453001 | 127458000 | 0.000582783  |
| chr12 | 127454001 | 127459000 | 0.000498022  |
| chr12 | 127606001 | 127611000 | 0.002146687  |
| chr12 | 127774001 | 127779000 | 2.08E-07  |
| chr12 | 127775001 | 127780000 | 1.45E-08  |
| chr12 | 127842001 | 127847000 | 4.96E-07  |
| chr12 | 127843001 | 127848000 | 7.96E-08  |
| chr12 | 127844001 | 127849000 | 1.68E-07  |
| chr12 | 127845001 | 127850000 | 5.49E-06  |
| chr12 | 128267001 | 128272000 | 4.37E-10  |
| chr12 | 128566001 | 128571000 | 2.52E-11  |
| chr12 | 128570001 | 128575000 | 1.04E-08  |
| chr12 | 128659001 | 128664000 | 2.89E-05  |
| chr12 | 128660001 | 128665000 | 9.55E-05  |
| chr12 | 129151001 | 129156000 | 8.94E-11  |
| chr12 | 129304001 | 129309000 | 1.01E-21  |
| chr12 | 129357001 | 129362000 | 1.39E-08  |
| chr12 | 129963001 | 129968000 | 6.74E-10  |
| Chr  | Start   | End     | P-value  |
|------|---------|---------|----------|
| chr12| 129964001| 129969000| 1.03E-13  |
| chr12| 129965001| 129970000| 8.18E-22  |
| chr12| 129987001| 129992000| 1.77E-13  |
| chr12| 129988001| 129993000| 1.55E-12  |
| chr12| 130005001| 130010000| 4.16E-08  |
| chr12| 130006001| 130011000| 8.65E-08  |
| chr12| 130007001| 130012000| 2.95E-07  |
| chr12| 130008001| 130013000| 3.60E-08  |
| chr12| 130009001| 130014000| 2.24E-08  |
| chr12| 130012001| 130017000| 2.58E-08  |
| chr12| 130317001| 130322000| 8.88E-09  |
| chr12| 130318001| 130323000| 4.04E-11  |
| chr12| 130319001| 130324000| 7.90E-12  |
| chr12| 130352001| 130357000| 7.84E-12  |
| chr12| 130363001| 130368000| 2.19E-06  |
| chr12| 130364001| 130369000| 7.54E-06  |
| chr12| 130365001| 130370000| 0.003209597|
| chr12| 130451001| 130456000| 2.45E-10  |
| chr12| 130460001| 130465000| 2.40E-06  |
| chr12| 130756001| 130761000| 1.03E-10  |
| chr12| 130805001| 130810000| 2.56E-07  |
| chr12| 130806001| 130811000| 3.15E-06  |
| chr12| 130833001| 130838000| 1.07E-12  |
| chr12| 130834001| 130839000| 5.55E-11  |
| chr12| 130835001| 130840000| 1.78E-13  |
| chr12| 130842001| 130847000| 7.47E-10  |
| chr12| 131319001| 131324000| 1.05E-29  |
| chr12| 131321001| 131326000| 1.49E-17  |
| chr12| 131322001| 131327000| 2.98E-26  |
| chr12| 131323001| 131328000| 3.83E-31  |
| chr12| 131356001| 131361000| 4.01E-37  |
| chr12| 131502001| 131507000| 2.52E-26  |
| chr12| 131557001| 131562000| 8.54E-07  |
| chr12| 131628001| 131633000| 8.68E-14  |
| chr12| 131629001| 131634000| 4.56E-07  |
| chr12| 131630001| 131635000| 2.43E-06  |
| chr12| 132002001| 132007000| 1.87E-10  |
| chr12| 132003001| 132008000| 5.80E-12  |
| chr12| 132193001| 132198000| 1.65E-13  |
| chr12| 132194001| 132199000| 3.34E-44  |
| chr12| 132195001| 132200000| 4.58E-53  |
| chr12| 132196001| 132201000| 9.84E-51  |
| chr12| 132375001| 132380000| 1.07E-27  |
| chr12| 132376001| 132381000| 6.54E-33  |
| chr12| 132377001| 132382000| 1.88E-17  |
| chr12| 132379001| 132384000| 7.91E-16  |
| chr12| 132434001| 132439000| 3.77E-31  |
| chr12| 132568001| 132573000| 8.33E-27  |
| Chrom | Start   | End     | p-value |
|-------|---------|---------|---------|
| chr12 | 132569001 | 132574000 | 2.98E-14 |
| chr12 | 132625001 | 132630000 | 3.86E-17 |
| chr12 | 132626001 | 132631000 | 1.56E-19 |
| chr12 | 132627001 | 132632000 | 9.29E-21 |
| chr12 | 132628001 | 132633000 | 1.48E-12 |
| chr12 | 133133001 | 133138000 | 1.03E-18 |
| chr12 | 133283001 | 133288000 | 2.61E-17 |
| chr12 | 133286001 | 133291000 | 9.81E-25 |
| chr12 | 133287001 | 133292000 | 2.91E-19 |
| chr12 | 133337001 | 133342000 | 8.30E-34 |
| chr12 | 133338001 | 133343000 | 6.83E-43 |
| chr12 | 133460001 | 133465000 | 9.48E-24 |
| chr12 | 133461001 | 133466000 | 1.29E-22 |
| chr12 | 133462001 | 133467000 | 4.41E-36 |
| chr12 | 133463001 | 133468000 | 1.04E-18 |
| chr12 | 133485001 | 133490000 | 5.09E-18 |
| chr12 | 133702001 | 133707000 | 1.05E-15 |
| chr12 | 133704001 | 133709000 | 1.49E-29 |
| chr12 | 133706001 | 133711000 | 5.11E-31 |
| chr12 | 133707001 | 133712000 | 1.56E-21 |
| chr13 | 19187001  | 19192000  | 7.46E-07 |
| chr13 | 19189001  | 19194000  | 7.47E-09 |
| chr13 | 19250001  | 19255000  | 4.21E-05 |
| chr13 | 19359001  | 19364000  | 1.79E-06 |
| chr13 | 19360001  | 19365000  | 2.61E-05 |
| chr13 | 19361001  | 19366000  | 0.002827711 |
| chr13 | 19362001  | 19367000  | 2.09E-08 |
| chr13 | 19363001  | 19368000  | 1.58E-08 |
| chr13 | 19366001  | 19371000  | 2.59E-09 |
| chr13 | 19386001  | 19391000  | 3.09E-07 |
| chr13 | 19387001  | 19392000  | 9.28E-07 |
| chr13 | 19388001  | 19393000  | 8.59E-07 |
| chr13 | 19390001  | 19395000  | 5.26E-06 |
| chr13 | 19417001  | 19422000  | 0.004080408 |
| chr13 | 19419001  | 19424000  | 0.000343592 |
| chr13 | 19420001  | 19425000  | 4.19E-05 |
| chr13 | 19421001  | 19426000  | 0.000179678 |
| chr13 | 19567001  | 19572000  | 7.59E-05 |
| chr13 | 19568001  | 19573000  | 0.000274612 |
| chr13 | 19569001  | 19574000  | 5.97E-05 |
| chr13 | 19598001  | 19603000  | 0.001119984 |
| chr13 | 19603001  | 19608000  | 2.71E-07 |
| chr13 | 19604001  | 19609000  | 3.07E-06 |
| chr13 | 19607001  | 19612000  | 0.000101897 |
| chr13 | 19615001  | 19620000  | 4.04E-05 |
| chr13 | 19616001  | 19621000  | 1.68E-06 |
| chr13 | 19658001  | 19663000  | 3.52E-15 |
| chr13 | 19672001  | 19677000  | 0.002921378 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr13      | 19697001       | 19702000     | 7.90E-05|
| chr13      | 19698001       | 19703000     | 9.57E-05|
| chr13      | 19791001       | 19796000     | 1.62E-12|
| chr13      | 19797001       | 19802000     | 4.26E-07|
| chr13      | 19798001       | 19803000     | 1.44E-07|
| chr13      | 19799001       | 19804000     | 1.70E-07|
| chr13      | 19800001       | 19805000     | 9.17E-10|
| chr13      | 19801001       | 19806000     | 7.77E-07|
| chr13      | 19802001       | 19807000     | 0.000129367|
| chr13      | 19803001       | 19808000     | 6.51E-06|
| chr13      | 19804001       | 19809000     | 9.25E-07|
| chr13      | 19809001       | 19814000     | 3.32E-07|
| chr13      | 19810001       | 19815000     | 0.000133753|
| chr13      | 19811001       | 19816000     | 3.12E-08|
| chr13      | 19812001       | 19817000     | 4.02E-06|
| chr13      | 19813001       | 19818000     | 9.75E-11|
| chr13      | 19814001       | 19819000     | 7.81E-10|
| chr13      | 19815001       | 19820000     | 9.71E-13|
| chr13      | 19816001       | 19821000     | 3.86E-09|
| chr13      | 19817001       | 19822000     | 2.99E-09|
| chr13      | 19837001       | 19842000     | 4.44E-06|
| chr13      | 19838001       | 19843000     | 1.41E-05|
| chr13      | 19839001       | 19844000     | 4.34E-05|
| chr13      | 19840001       | 19845000     | 8.17E-08|
| chr13      | 19841001       | 19846000     | 1.19E-09|
| chr13      | 19860001       | 19865000     | 3.65E-09|
| chr13      | 19861001       | 19866000     | 1.47E-09|
| chr13      | 19862001       | 19867000     | 1.21E-06|
| chr13      | 19863001       | 19868000     | 1.17E-07|
| chr13      | 19880001       | 19885000     | 0.003232282|
| chr13      | 19881001       | 19886000     | 0.007312651|
| chr13      | 19890001       | 19895000     | 0.000325057|
| chr13      | 19950001       | 19955000     | 6.09E-07|
| chr13      | 19951001       | 19956000     | 2.22E-08|
| chr13      | 20172001       | 20177000     | 1.34E-32|
| chr13      | 20173001       | 20178000     | 1.84E-36|
| chr13      | 20174001       | 20179000     | 4.45E-32|
| chr13      | 20175001       | 20180000     | 3.21E-35|
| chr13      | 20176001       | 20181000     | 1.10E-28|
| chr13      | 20203001       | 20208000     | 4.80E-25|
| chr13      | 20204001       | 20209000     | 4.11E-27|
| chr13      | 20205001       | 20210000     | 1.65E-30|
| chr13      | 20206001       | 20211000     | 1.03E-42|
| chr13      | 20207001       | 20212000     | 1.71E-59|
| chr13      | 20208001       | 20213000     | 3.69E-23|
| chr13      | 20433001       | 20438000     | 8.02E-24|
| chr13      | 20439001       | 20444000     | 4.33E-12|
| chr13      | 20527001       | 20532000     | 1.24E-18|
| Chromosome | Start Position | End Position | Log10(P) |
|------------|----------------|--------------|----------|
| chr13      | 20528001       | 20533000     | 6.22E-25 |
| chr13      | 20531001       | 20536000     | 3.73E-46 |
| chr13      | 20532001       | 20537000     | 1.27E-39 |
| chr13      | 20533001       | 20538000     | 7.81E-34 |
| chr13      | 20689001       | 20694000     | 2.72E-07 |
| chr13      | 20804001       | 20809000     | 8.13E-17 |
| chr13      | 20805001       | 20810000     | 4.08E-14 |
| chr13      | 20806001       | 20811000     | 1.15E-15 |
| chr13      | 20850001       | 20855000     | 0.00174252 |
| chr13      | 20851001       | 20856000     | 0.002710408 |
| chr13      | 21095001       | 21100000     | 3.71E-51 |
| chr13      | 21096001       | 21101000     | 5.83E-75 |
| chr13      | 21097001       | 21102000     | 2.29E-81 |
| chr13      | 21098001       | 21103000     | 3.51E-76 |
| chr13      | 21099001       | 21104000     | 1.27E-43 |
| chr13      | 21100001       | 21105000     | 1.13E-44 |
| chr13      | 21109001       | 21114000     | 1.49E-05 |
| chr13      | 21110001       | 21115000     | 0.000188608 |
| chr13      | 21273001       | 21278000     | 3.71E-29 |
| chr13      | 21274001       | 21279000     | 1.08E-52 |
| chr13      | 21277001       | 21282000     | 4.35E-20 |
| chr13      | 21278001       | 21283000     | 4.16E-24 |
| chr13      | 21344001       | 21349000     | 1.10E-38 |
| chr13      | 21345001       | 21350000     | 6.79E-41 |
| chr13      | 21346001       | 21351000     | 7.58E-29 |
| chr13      | 21347001       | 21352000     | 2.57E-43 |
| chr13      | 21348001       | 21353000     | 5.29E-43 |
| chr13      | 21472001       | 21477000     | 2.19E-47 |
| chr13      | 21473001       | 21478000     | 1.92E-26 |
| chr13      | 21474001       | 21479000     | 1.05E-31 |
| chr13      | 21475001       | 21480000     | 8.60E-30 |
| chr13      | 21476001       | 21481000     | 1.71E-18 |
| chr13      | 21630001       | 21635000     | 3.66E-19 |
| chr13      | 21631001       | 21636000     | 3.49E-30 |
| chr13      | 21632001       | 21637000     | 6.89E-25 |
| chr13      | 21633001       | 21638000     | 7.38E-22 |
| chr13      | 21635001       | 21640000     | 2.66E-27 |
| chr13      | 21746001       | 21751000     | 4.74E-73 |
| chr13      | 21747001       | 21752000     | 2.60E-79 |
| chr13      | 21748001       | 21753000     | 8.24E-59 |
| chr13      | 21749001       | 21754000     | 1.20E-64 |
| chr13      | 21750001       | 21755000     | 8.12E-44 |
| chr13      | 21751001       | 21756000     | 1.28E-30 |
| chr13      | 21869001       | 21874000     | 1.30E-42 |
| chr13      | 21870001       | 21875000     | 2.07E-46 |
| chr13      | 21871001       | 21876000     | 1.36E-46 |
| chr13      | 21872001       | 21877000     | 4.97E-59 |
| Chr | Start | End   | Score  |
|-----|-------|-------|--------|
| chr13 | 22032001 | 22037000 | 1.73E-20 |
| chr13 | 22033001 | 22038000 | 1.18E-25 |
| chr13 | 22174001 | 22179000 | 7.04E-25 |
| chr13 | 22175001 | 22180000 | 2.78E-28 |
| chr13 | 22178001 | 22183000 | 1.71E-29 |
| chr13 | 22239001 | 22244000 | 3.57E-18 |
| chr13 | 22240001 | 22245000 | 1.31E-22 |
| chr13 | 22248001 | 22253000 | 2.75E-41 |
| chr13 | 22249001 | 22254000 | 4.16E-29 |
| chr13 | 22717001 | 22722000 | 0.000121635 |
| chr13 | 22718001 | 22723000 | 5.85E-05 |
| chr13 | 22837001 | 22842000 | 6.74E-06 |
| chr13 | 22922001 | 22927000 | 6.19E-13 |
| chr13 | 22923001 | 22928000 | 2.08E-13 |
| chr13 | 22925001 | 22930000 | 1.61E-05 |
| chr13 | 22973001 | 22978000 | 1.46E-07 |
| chr13 | 22974001 | 22979000 | 3.89E-06 |
| chr13 | 22980001 | 22985000 | 0.005322877 |
| chr13 | 23073001 | 23078000 | 4.38E-06 |
| chr13 | 23081001 | 23086000 | 3.92E-07 |
| chr13 | 23155001 | 23160000 | 1.82E-06 |
| chr13 | 23186001 | 23191000 | 0.000432745 |
| chr13 | 23293001 | 23298000 | 0.000551793 |
| chr13 | 23295001 | 23300000 | 4.97E-18 |
| chr13 | 23296001 | 23301000 | 1.94E-18 |
| chr13 | 23423001 | 23428000 | 6.17E-09 |
| chr13 | 23480001 | 23485000 | 1.29E-06 |
| chr13 | 23481001 | 23486000 | 4.77E-09 |
| chr13 | 23482001 | 23487000 | 3.21E-08 |
| chr13 | 23483001 | 23488000 | 6.31E-06 |
| chr13 | 23489001 | 23494000 | 5.70E-32 |
| chr13 | 23490001 | 23495000 | 5.38E-30 |
| chr13 | 23690001 | 23695000 | 0.000153838 |
| chr13 | 23734001 | 23739000 | 1.44E-19 |
| chr13 | 23742001 | 23747000 | 5.90E-09 |
| chr13 | 23800001 | 23805000 | 1.08E-05 |
| chr13 | 23801001 | 23806000 | 2.70E-06 |
| chr13 | 23834001 | 23839000 | 3.48E-05 |
| chr13 | 24037001 | 24042000 | 3.55E-24 |
| chr13 | 24038001 | 24043000 | 5.34E-30 |
| chr13 | 24039001 | 24044000 | 6.26E-34 |
| chr13 | 24040001 | 24045000 | 2.48E-27 |
| chr13 | 24149001 | 24154000 | 3.58E-26 |
| chr13 | 24459001 | 24464000 | 3.82E-67 |
| chr13 | 24460001 | 24465000 | 5.32E-49 |
| chr13 | 24475001 | 24480000 | 5.43E-15 |
| chr13 | 24477001 | 24482000 | 2.72E-11 |
| chr13 | 24550001 | 24555000 | 1.68E-19 |
| Chromosome | Start  | End    | P-value     |
|------------|--------|--------|-------------|
| chr13      | 24551001 | 24556000 | 4.51E-17    |
| chr13      | 24552001 | 24557000 | 1.40E-19    |
| chr13      | 24553001 | 24558000 | 4.47E-17    |
| chr13      | 24731001 | 24736000 | 9.60E-26    |
| chr13      | 24732001 | 24737000 | 9.03E-31    |
| chr13      | 24733001 | 24738000 | 5.90E-29    |
| chr13      | 24899001 | 24904000 | 7.84E-17    |
| chr13      | 24900001 | 24905000 | 4.18E-19    |
| chr13      | 24901001 | 24906000 | 6.75E-22    |
| chr13      | 24902001 | 24907000 | 1.62E-15    |
| chr13      | 25119001 | 25124000 | 0.00469284  |
| chr13      | 25250001 | 25255000 | 1.41E-56    |
| chr13      | 25251001 | 25256000 | 4.22E-58    |
| chr13      | 25252001 | 25257000 | 6.70E-52    |
| chr13      | 25253001 | 25258000 | 3.38E-41    |
| chr13      | 25321001 | 25326000 | 2.97E-30    |
| chr13      | 25492001 | 25497000 | 4.24E-42    |
| chr13      | 25493001 | 25498000 | 5.21E-47    |
| chr13      | 25494001 | 25499000 | 4.47E-111   |
| chr13      | 25495001 | 25500000 | 1.08E-83    |
| chr13      | 25496001 | 25501000 | 1.21E-70    |
| chr13      | 25497001 | 25502000 | 1.32E-45    |
| chr13      | 25521001 | 25526000 | 0.001251846 |
| chr13      | 25592001 | 25597000 | 4.41E-37    |
| chr13      | 25871001 | 25876000 | 2.43E-24    |
| chr13      | 26042001 | 26047000 | 8.19E-23    |
| chr13      | 26043001 | 26048000 | 9.01E-27    |
| chr13      | 26102001 | 26107000 | 0.000283183 |
| chr13      | 26129001 | 26134000 | 0.000254562 |
| chr13      | 26130001 | 26135000 | 4.17E-05    |
| chr13      | 26177001 | 26182000 | 4.71E-09    |
| chr13      | 26178001 | 26183000 | 3.59E-06    |
| chr13      | 26179001 | 26184000 | 5.29E-06    |
| chr13      | 26181001 | 26186000 | 5.02E-06    |
| chr13      | 26184001 | 26189000 | 2.14E-08    |
| chr13      | 26185001 | 26190000 | 7.69E-16    |
| chr13      | 26186001 | 26191000 | 3.45E-16    |
| chr13      | 26187001 | 26192000 | 8.55E-14    |
| chr13      | 26188001 | 26193000 | 3.23E-12    |
| chr13      | 26189001 | 26194000 | 8.06E-10    |
| chr13      | 26208001 | 26213000 | 1.13E-09    |
| chr13      | 26209001 | 26214000 | 9.58E-08    |
| chr13      | 26210001 | 26215000 | 2.86E-07    |
| chr13      | 26211001 | 26216000 | 4.82E-09    |
| chr13      | 26212001 | 26217000 | 1.13E-07    |
| chr13      | 26283001 | 26288000 | 4.41E-07    |
| chr13      | 26285001 | 26290000 | 8.49E-08    |
| chr13      | 26301001 | 26306000 | 2.46E-15    |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr13      | 29626001 | 29631000 | 1.82E-05 |
| chr13      | 29652001 | 29657000 | 7.49E-08 |
| chr13      | 29653001 | 29658000 | 1.98E-06 |
| chr13      | 29654001 | 29659000 | 6.62E-06 |
| chr13      | 29705001 | 29710000 | 5.86E-05 |
| chr13      | 29779001 | 29784000 | 3.05E-10 |
| chr13      | 29877001 | 29882000 | 2.29E-06 |
| chr13      | 29878001 | 29883000 | 1.36E-13 |
| chr13      | 29879001 | 29884000 | 7.28E-14 |
| chr13      | 29880001 | 29885000 | 2.54E-15 |
| chr13      | 29881001 | 29886000 | 1.11E-13 |
| chr13      | 29888001 | 29893000 | 0.002843288 |
| chr13      | 29922001 | 29927000 | 1.47E-05 |
| chr13      | 29923001 | 29928000 | 3.30E-06 |
| chr13      | 29945001 | 29950000 | 2.12E-05 |
| chr13      | 29998001 | 30003000 | 3.43E-13 |
| chr13      | 29999001 | 30004000 | 8.95E-14 |
| chr13      | 30000001 | 30005000 | 2.86E-16 |
| chr13      | 30001001 | 30006000 | 1.51E-17 |
| chr13      | 30002001 | 30007000 | 3.84E-09 |
| chr13      | 30167001 | 30172000 | 4.73E-28 |
| chr13      | 30168001 | 30173000 | 9.31E-28 |
| chr13      | 30169001 | 30174000 | 1.51E-29 |
| chr13      | 30170001 | 30175000 | 4.69E-15 |
| chr13      | 30377001 | 30382000 | 0.002211928 |
| chr13      | 30378001 | 30383000 | 0.016939775 |
| chr13      | 30449001 | 30454000 | 3.69E-06 |
| chr13      | 30450001 | 30455000 | 3.53E-06 |
| chr13      | 30451001 | 30456000 | 1.30E-06 |
| chr13      | 30877001 | 30882000 | 2.83E-61 |
| chr13      | 30878001 | 30883000 | 1.40E-52 |
| chr13      | 30879001 | 30884000 | 1.88E-32 |
| chr13      | 30978001 | 30983000 | 4.19E-15 |
| chr13      | 30979001 | 30984000 | 3.96E-12 |
| chr13      | 30980001 | 30985000 | 1.31E-11 |
| chr13      | 30981001 | 30986000 | 1.28E-10 |
| chr13      | 30982001 | 30987000 | 6.97E-12 |
| chr13      | 31038001 | 31043000 | 2.58E-55 |
| chr13      | 31039001 | 31044000 | 2.20E-72 |
| chr13      | 31040001 | 31045000 | 3.82E-46 |
| chr13      | 311769001 | 311774000 | 6.12E-09 |
| chr13      | 31770001 | 31775000 | 2.93E-62 |
| chr13      | 31771001 | 31776000 | 1.81E-51 |
| chr13      | 31772001 | 31777000 | 1.76E-92 |
| chr13      | 31773001 | 31778000 | 5.04E-85 |
| chr13      | 31774001 | 31779000 | 6.31E-88 |
| chr13      | 32416001 | 32421000 | 7.95E-20 |
| chr13      | 32418001 | 32423000 | 1.83E-21 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr13      | 3241000 | 3242000 | 4.21E-26  |
| chr13      | 3242000 | 3243000 | 3.87E-32  |
| chr13      | 3260000 | 3261000 | 3.11E-29  |
| chr13      | 3260200 | 3261200 | 1.32E-29  |
| chr13      | 3260300 | 3261300 | 5.65E-27  |
| chr13      | 3263000 | 3264000 | 2.07E-42  |
| chr13      | 3264000 | 3265000 | 8.37E-40  |
| chr13      | 3267000 | 3268000 | 0.001904352 |
| chr13      | 3299000 | 3300000 | 8.83E-19  |
| chr13      | 3300000 | 3301000 | 6.93E-20  |
| chr13      | 3310000 | 3311000 | 3.16E-26  |
| chr13      | 3312000 | 3313000 | 8.99E-23  |
| chr13      | 3406000 | 3407000 | 5.11E-11  |
| chr13      | 3411000 | 3412000 | 7.85E-64  |
| chr13      | 3411000 | 3412000 | 8.14E-65  |
| chr13      | 3411000 | 3412000 | 1.58E-44  |
| chr13      | 3421000 | 3422000 | 0.0012787 |
| chr13      | 3439000 | 3439000 | 5.16E-20  |
| chr13      | 3446000 | 3447000 | 0.000101508 |
| chr13      | 3473000 | 3474000 | 2.60E-08  |
| chr13      | 3524000 | 3525000 | 0.00763624 |
| chr13      | 3517000 | 3522000 | 1.04E-25  |
| chr13      | 3658000 | 3659000 | 9.18E-06  |
| chr13      | 3658000 | 3659000 | 1.63E-05  |
| chr13      | 3670000 | 3670000 | 4.21E-11  |
| chr13      | 3670000 | 3670000 | 4.46E-20  |
| chr13      | 3670000 | 3670000 | 1.15E-30  |
| chr13      | 3670000 | 3670000 | 1.00E-44  |
| chr13      | 3670000 | 3670000 | 1.28E-56  |
| chr13      | 3670500 | 3670500 | 1.42E-66  |
| chr13      | 3687000 | 3687000 | 2.76E-32  |
| chr13      | 3692000 | 3692000 | 1.70E-17  |
| chr13      | 3705000 | 3705000 | 4.99E-05  |
| chr13      | 3716000 | 3716000 | 0.00014822 |
| chr13      | 3732000 | 3732000 | 0.00122673 |
| chr13      | 3735500 | 3736000 | 7.88E-05  |
| chr13      | 3738000 | 3739000 | 8.07E-29  |
| chr13      | 3739000 | 3739000 | 3.86E-28  |
| chr13      | 3739000 | 3739000 | 1.59E-32  |
| chr13      | 3739000 | 3739000 | 3.75E-41  |
| chr13      | 3739000 | 3739000 | 7.89E-09  |
| chr13      | 3748000 | 3749000 | 4.49E-30  |
| chr13      | 3749000 | 3749000 | 1.73E-18  |
| chr13      | 3749000 | 3749000 | 6.20E-24  |
| chr13      | 3749000 | 3749000 | 7.85E-29  |
| chr13      | 3749000 | 3749000 | 3.81E-36  |
| chr13      | 3756000 | 3757000 | 7.72E-14  |
| chr13      | 3756900 | 3757400 | 1.51E-42  |
| Chr | Start | End   | P-value      |
|-----|-------|-------|--------------|
| chr13 | 37570001 | 37575000 | 8.39E-21     |
| chr13 | 38439001 | 38440000 | 1.24E-25     |
| chr13 | 38440001 | 38445000 | 4.19E-20     |
| chr13 | 38444001 | 38449000 | 5.26E-18     |
| chr13 | 38985001 | 38990000 | 1.08E-09     |
| chr13 | 38986001 | 38991000 | 2.74E-09     |
| chr13 | 38987001 | 38992000 | 1.34E-10     |
| chr13 | 38988001 | 38993000 | 8.79E-09     |
| chr13 | 39256001 | 39261000 | 1.23E-08     |
| chr13 | 39257001 | 39262000 | 1.40E-51     |
| chr13 | 39612001 | 39617000 | 3.70E-47     |
| chr13 | 39625001 | 39630000 | 0.00845976   |
| chr13 | 39725001 | 39730000 | 1.19E-06     |
| chr13 | 39793001 | 39798000 | 0.00146542   |
| chr13 | 39794001 | 39799000 | 0.000119785  |
| chr13 | 40174001 | 40179000 | 5.14E-35     |
| chr13 | 40176001 | 40181000 | 5.46E-39     |
| chr13 | 40177001 | 40182000 | 1.53E-28     |
| chr13 | 40225001 | 40230000 | 3.68E-35     |
| chr13 | 40226001 | 40231000 | 2.75E-38     |
| chr13 | 40227001 | 40232000 | 1.73E-27     |
| chr13 | 40228001 | 40233000 | 8.91E-28     |
| chr13 | 40229001 | 40234000 | 4.14E-29     |
| chr13 | 40230001 | 40235000 | 1.58E-30     |
| chr13 | 40367001 | 40372000 | 0.001826882  |
| chr13 | 40368001 | 40373000 | 0.00136388   |
| chr13 | 40496001 | 40501000 | 0.000863827  |
| chr13 | 40535001 | 40540000 | 0.015023322  |
| chr13 | 40537001 | 40542000 | 0.00184628   |
| chr13 | 40538001 | 40543000 | 1.02E-05     |
| chr13 | 40551001 | 40556000 | 0.002819028  |
| chr13 | 40664001 | 40669000 | 2.61E-05     |
| chr13 | 40690001 | 40695000 | 7.00E-07     |
| chr13 | 40742001 | 40747000 | 3.22E-16     |
| chr13 | 40743001 | 40748000 | 4.61E-31     |
| chr13 | 40744001 | 40749000 | 4.39E-34     |
| chr13 | 40745001 | 40750000 | 7.23E-31     |
| chr13 | 40746001 | 40751000 | 8.17E-20     |
| chr13 | 40863001 | 40868000 | 0.000159079  |
| chr13 | 40864001 | 40869000 | 0.00018863   |
| chr13 | 40865001 | 40870000 | 0.000375161  |
| chr13 | 41239001 | 41244000 | 9.30E-33     |
| chr13 | 41240001 | 41245000 | 1.47E-31     |
| chr13 | 41241001 | 41246000 | 3.52E-20     |
| chr13 | 41359001 | 41364000 | 4.13E-15     |
| chr13 | 41361001 | 41366000 | 6.43E-22     |
| chr13 | 41363001 | 41368000 | 5.46E-21     |
| Chr  | Start   | End     | p-value  |
|------|---------|---------|----------|
| chr13| 41491001| 41496000| 3.25E-28 |
| chr13| 41493001| 41498000| 1.17E-32 |
| chr13| 41494001| 41499000| 1.35E-36 |
| chr13| 41495001| 41500000| 2.68E-42 |
| chr13| 41496001| 41501000| 6.76E-30 |
| chr13| 41587001| 41592000| 0.000585407|
| chr13| 41630001| 41635000| 9.06E-35 |
| chr13| 41631001| 41636000| 7.20E-42 |
| chr13| 41768001| 41773000| 1.04E-36 |
| chr13| 41881001| 41886000| 8.92E-13 |
| chr13| 41910001| 41915000| 8.50E-05 |
| chr13| 41998001| 42003000| 1.17E-33 |
| chr13| 41999001| 42004000| 8.23E-33 |
| chr13| 42000001| 42005000| 4.90E-42 |
| chr13| 42001001| 42006000| 2.36E-39 |
| chr13| 42002001| 42007000| 6.46E-37 |
| chr13| 42535001| 42540000| 2.35E-23 |
| chr13| 42618001| 42623000| 1.37E-34 |
| chr13| 42619001| 42624000| 8.83E-54 |
| chr13| 42620001| 42625000| 1.98E-80 |
| chr13| 42621001| 42626000| 4.70E-80 |
| chr13| 42622001| 42627000| 1.21E-78 |
| chr13| 42623001| 42628000| 3.87E-25 |
| chr13| 42842001| 42847000| 1.29E-76 |
| chr13| 42843001| 42848000| 2.56E-65 |
| chr13| 42844001| 42849000| 2.78E-50 |
| chr13| 42845001| 42850000| 2.07E-43 |
| chr13| 42846001| 42851000| 1.83E-57 |
| chr13| 42960001| 42965000| 0.000339594|
| chr13| 42995001| 43000000| 6.46E-10 |
| chr13| 43017001| 43022000| 0.00505207|
| chr13| 43035001| 43040000| 3.23E-07 |
| chr13| 43036001| 43041000| 4.81E-08 |
| chr13| 43037001| 43042000| 1.56E-07 |
| chr13| 43149001| 43154000| 1.03E-28 |
| chr13| 44152001| 44157000| 4.69E-06 |
| chr13| 44153001| 44158000| 7.21E-06 |
| chr13| 44360001| 44365000| 1.41E-63 |
| chr13| 44361001| 44366000| 1.28E-60 |
| chr13| 44449001| 44454000| 8.84E-44 |
| chr13| 44450001| 44455000| 9.11E-44 |
| chr13| 44451001| 44456000| 2.91E-31 |
| chr13| 44452001| 44457000| 2.18E-39 |
| chr13| 44453001| 44458000| 1.31E-30 |
| chr13| 44454001| 44459000| 8.77E-15 |
| chr13| 45005001| 45010000| 3.34E-20 |
| chr13| 45146001| 45151000| 1.44E-86 |
| chr13| 45147001| 45152000| 1.48E-37 |
| Chr  | Start | End   | Log10(p)  |
|------|-------|-------|-----------|
| chr13| 45340001| 45345000| 5.92E-05  |
| chr13| 45563001| 45568000| 1.63E-33  |
| chr13| 45992001| 45997000| 3.86E-13  |
| chr13| 46035001| 46040000| 2.21E-40  |
| chr13| 46036001| 46041000| 1.17E-32  |
| chr13| 46037001| 46042000| 2.83E-35  |
| chr13| 46039001| 46044000| 6.51E-26  |
| chr13| 46511001| 46516000| 1.42E-05  |
| chr13| 46750001| 46755000| 2.45E-05  |
| chr13| 47217001| 47222000| 8.03E-06  |
| chr13| 47366001| 47371000| 5.43E-25  |
| chr13| 47367001| 47372000| 2.16E-41  |
| chr13| 47369001| 47374000| 1.11E-45  |
| chr13| 47370001| 47375000| 4.33E-41  |
| chr13| 47371001| 47376000| 6.82E-33  |
| chr13| 47487001| 47492000| 0.000534269|
| chr13| 47565001| 47570000| 1.07E-06  |
| chr13| 47566001| 47571000| 0.000235671|
| chr13| 47895001| 47900000| 0.000172134|
| chr13| 47914001| 47919000| 7.29E-08  |
| chr13| 48069001| 48074000| 6.77E-06  |
| chr13| 48180001| 48185000| 0.002039204|
| chr13| 48181001| 48186000| 6.23E-05  |
| chr13| 48182001| 48187000| 6.33E-05  |
| chr13| 48200001| 48205000| 0.006415379|
| chr13| 48612001| 48617000| 2.95E-26  |
| chr13| 48786001| 48791000| 0.01881833|
| chr13| 48787001| 48792000| 0.00024897|
| chr13| 48835001| 48840000| 9.07E-12  |
| chr13| 48836001| 48841000| 1.21E-13  |
| chr13| 48837001| 48842000| 2.61E-07  |
| chr13| 48838001| 48843000| 2.31E-07  |
| chr13| 48873001| 48878000| 8.94E-56  |
| chr13| 48874001| 48879000| 1.63E-47  |
| chr13| 48878001| 48883000| 5.17E-29  |
| chr13| 49042001| 49047000| 6.43E-05  |
| chr13| 49096001| 49101000| 0.000362999|
| chr13| 49102001| 49107000| 1.23E-53  |
| chr13| 49103001| 49108000| 4.32E-63  |
| chr13| 49104001| 49109000| 2.62E-75  |
| chr13| 49107001| 49112000| 5.14E-55  |
| chr13| 49225001| 49230000| 4.04E-07  |
| chr13| 49275001| 49280000| 2.47E-05  |
| chr13| 49549001| 49554000| 1.76E-77  |
| chr13| 49550001| 49555000| 9.42E-79  |
| chr13| 49551001| 49556000| 4.66E-18  |
| chr13| 49793001| 49798000| 1.66E-34  |
| chr13| 49794001| 49799000| 1.39E-35  |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr13      | 53094001       | 53099000     | 5.84E-07 |
| chr13      | 53095001       | 53100000     | 7.13E-06 |
| chr13      | 53096001       | 53101000     | 0.00169347 |
| chr13      | 53097001       | 53102000     | 0.00133091 |
| chr13      | 53133001       | 53138000     | 1.08E-07 |
| chr13      | 53134001       | 53139000     | 4.73E-05 |
| chr13      | 53135001       | 53140000     | 7.21E-06 |
| chr13      | 53141001       | 53146000     | 0.000782287 |
| chr13      | 53171001       | 53176000     | 2.23E-24 |
| chr13      | 53172001       | 53177000     | 5.30E-25 |
| chr13      | 53205001       | 53210000     | 0.00122663 |
| chr13      | 53222001       | 53227000     | 4.30E-37 |
| chr13      | 54473001       | 54478000     | 8.83E-05 |
| chr13      | 54474001       | 54479000     | 0.000380252 |
| chr13      | 54538001       | 54543000     | 0.005463237 |
| chr13      | 54589001       | 54594000     | 0.000206114 |
| chr13      | 54601001       | 54606000     | 0.000776352 |
| chr13      | 54692001       | 54697000     | 6.31E-06 |
| chr13      | 55713001       | 55718000     | 0.000966533 |
| chr13      | 55836001       | 55841000     | 0.001067814 |
| chr13      | 55838001       | 55843000     | 0.003510417 |
| chr13      | 55839001       | 55844000     | 0.003928308 |
| chr13      | 55982001       | 55987000     | 0.001218092 |
| chr13      | 56016001       | 56021000     | 0.008945544 |
| chr13      | 56223001       | 56228000     | 0.000731388 |
| chr13      | 56224001       | 56229000     | 0.001124982 |
| chr13      | 56362001       | 56367000     | 9.75E-05 |
| chr13      | 56385001       | 56390000     | 0.0002746065 |
| chr13      | 56399001       | 56404000     | 0.00010215 |
| chr13      | 56400001       | 56405000     | 2.15E-05 |
| chr13      | 57393001       | 57398000     | 0.000474184 |
| chr13      | 57529001       | 57534000     | 0.000179996 |
| chr13      | 57530001       | 57535000     | 3.47E-05 |
| chr13      | 57546001       | 57551000     | 6.11E-05 |
| chr13      | 57809001       | 57814000     | 0.000322324 |
| chr13      | 58110001       | 58115000     | 0.025148724 |
| chr13      | 58111001       | 58116000     | 0.024989756 |
| chr13      | 58149001       | 58154000     | 3.28E-05 |
| chr13      | 58150001       | 58155000     | 0.001515107 |
| chr13      | 58457001       | 58462000     | 5.41E-05 |
| chr13      | 58458001       | 58463000     | 5.68E-05 |
| chr13      | 58750001       | 58755000     | 0.001703789 |
| chr13      | 58789001       | 58794000     | 0.000504835 |
| chr13      | 58861001       | 58866000     | 0.000163013 |
| chr13      | 58938001       | 58943000     | 0.000191195 |
| chr13      | 58978001       | 58983000     | 0.008755678 |
| chr13      | 58979001       | 58984000     | 0.002783264 |
| chr13      | 59201001       | 59206000     | 0.003732192 |
| chr13  |    |    |            |
|--------|----|----|------------|
| 73356001 | 73361000 | 4.61E-31 |
| 73842001 | 73847000 | 0.002865936 |
| 74336001 | 74341000 | 1.39E-08  |
| 74337001 | 74342000 | 2.22E-06  |
| 74338001 | 74343000 | 7.86E-09  |
| 74339001 | 74344000 | 5.51E-06  |
| 74402001 | 74407000 | 0.002539081 |
| 74421001 | 74426000 | 1.17E-05  |
| 74422001 | 74427000 | 4.04E-06  |
| 74598001 | 74603000 | 0.002865964 |
| 74599001 | 74604000 | 4.61E-06  |
| 74600001 | 74605000 | 4.19E-06  |
| 74601001 | 74606000 | 7.66E-05  |
| 74708001 | 74713000 | 4.62E-47  |
| 74709001 | 74714000 | 1.16E-55  |
| 74715001 | 74720000 | 0.002682985 |
| 74716001 | 74721000 | 0.002108429 |
| 75145001 | 75150000 | 1.62E-21  |
| 75146001 | 75151000 | 4.13E-29  |
| 75147001 | 75152000 | 3.41E-35  |
| 75148001 | 75153000 | 8.09E-27  |
| 75149001 | 75154000 | 2.66E-18  |
| 75638001 | 75643000 | 3.44E-06  |
| 75639001 | 75644000 | 2.44E-06  |
| 75640001 | 75645000 | 2.72E-06  |
| 75641001 | 75646000 | 1.36E-05  |
| 75642001 | 75647000 | 3.52E-05  |
| 76056001 | 76061000 | 9.51E-26  |
| 76119001 | 76124000 | 5.61E-26  |
| 76209001 | 76214000 | 1.22E-33  |
| 76210001 | 76215000 | 1.18E-59  |
| 76211001 | 76216000 | 1.36E-31  |
| 76559001 | 76564000 | 0.001243655 |
| 76928001 | 76933000 | 0.003383144 |
| 76990001 | 76995000 | 0.006599271 |
| 77011001 | 77016000 | 4.10E-05  |
| 77012001 | 77017000 | 1.08E-05  |
| 77015001 | 77020000 | 0.00011964 |
| 77047001 | 77052000 | 0.002365298 |
| 77104001 | 77109000 | 0.010930594 |
| 77342001 | 77347000 | 9.46E-05  |
| 77343001 | 77348000 | 0.000112993 |
| 77495001 | 77501000 | 0.000289927 |
| 77563001 | 77568000 | 1.13E-35  |
| 77564001 | 77569000 | 1.85E-49  |
| 77565001 | 77570000 | 1.48E-60  |
| 77566001 | 77571000 | 1.64E-77  |
chr13  77567001  77572000  9.65E-13
chr13  77601001  77606000  8.02E-28
chr13  78439001  78444000  3.20E-05
chr13  78440001  78445000  3.02E-05
chr13  78441001  78446000  9.05E-06
chr13  78442001  78447000  1.69E-06
chr13  78443001  78448000  2.17E-10
chr13  78444001  78449000  1.56E-05
chr13  78445001  78450000  1.31E-05
chr13  78621001  78626000  1.74E-08
chr13  78622001  78627000  2.19E-05
chr13  78623001  78628000  8.98E-06
chr13  78928001  78933000  0.017004969
chr13  78929001  78934000  0.015101061
chr13  78930001  78935000  0.005708103
chr13  78931001  78936000  0.00147637
chr13  78932001  78937000  0.000837635
chr13  78933001  78938000  0.000137248
chr13  78934001  78939000  1.69E-05
chr13  78935001  78940000  1.14E-05
chr13  78936001  78941000  1.65E-05
chr13  78937001  78942000  0.00137248
chr13  79097001  79102000  1.16E-14
chr13  79098001  79103000  6.78E-17
chr13  79099001  79104000  2.27E-15
chr13  79100001  79105000  7.14E-20
chr13  79101001  79106000  1.56E-16
chr13  79102001  79107000  1.64E-05
chr13  79288001  79293000  0.000290739
chr13  79289001  79294000  0.000861538
chr13  79310001  79315000  0.001308998
chr13  79352001  79357000  3.17E-05
chr13  79353001  79358000  0.000177315
chr13  79354001  79359000  0.004865216
chr13  79431001  79436000  9.72E-14
chr13  79432001  79437000  2.04E-14
chr13  79433001  79438000  1.13E-11
chr13  79520001  79525000  0.00055977
chr13  79564001  79569000  0.000345374
chr13  79565001  79570000  3.63E-08
chr13  79583001  79588000  1.40E-05
chr13  79746001  79751000  5.46E-05
chr13  79747001  79752000  0.000789417
chr13  79750001  79755000  0.003059094
chr13  79751001  79756000  0.001271881
chr13  79836001  79841000  0.020164094
chr13  79837001  79842000  0.009864871
chr13  79980001  79985000  1.39E-36
chr13  80051001  80056000  1.22E-85
| Chromosome | Start | End   | Value   |
|------------|-------|-------|---------|
| chr13      | 80052001 | 80057000 | 3.54E-77 |
| chr13      | 80053001 | 80058000 | 2.09E-90 |
| chr13      | 80054001 | 80059000 | 4.51E-94 |
| chr13      | 80055001 | 80060000 | 1.86E-62 |
| chr13      | 80194001 | 80199000 | 1.64E-08 |
| chr13      | 80195001 | 80200000 | 1.04E-07 |
| chr13      | 80210001 | 80215000 | 3.42E-05 |
| chr13      | 80211001 | 80216000 | 5.34E-05 |
| chr13      | 80212001 | 80217000 | 2.97E-05 |
| chr13      | 80213001 | 80218000 | 9.37E-05 |
| chr13      | 80390001 | 80395000 | 1.88E-09 |
| chr13      | 80391001 | 80396000 | 5.23E-11 |
| chr13      | 80566001 | 80571000 | 0.011228373 |
| chr13      | 80693001 | 80698000 | 0.000758704 |
| chr13      | 80915001 | 80920000 | 6.02E-26 |
| chr13      | 80996001 | 81001000 | 0.000650168 |
| chr13      | 81105001 | 81110000 | 0.000650449 |
| chr13      | 81106001 | 81111000 | 0.000386929 |
| chr13      | 81107001 | 81112000 | 2.29E-05 |
| chr13      | 81108001 | 81113000 | 8.79E-05 |
| chr13      | 81246001 | 81251000 | 5.61E-05 |
| chr13      | 81288001 | 81293000 | 0.000243284 |
| chr13      | 81578001 | 81583000 | 6.55E-05 |
| chr13      | 81579001 | 81584000 | 7.14E-05 |
| chr13      | 81580001 | 81585000 | 0.000249086 |
| chr13      | 81701001 | 81706000 | 0.000352325 |
| chr13      | 81853001 | 81858000 | 0.001227424 |
| chr13      | 82499001 | 82504000 | 0.001758192 |
| chr13      | 82505001 | 82510000 | 9.84E-06 |
| chr13      | 82506001 | 82511000 | 7.90E-06 |
| chr13      | 83085001 | 83090000 | 0.020745659 |
| chr13      | 83152001 | 83157000 | 9.50E-07 |
| chr13      | 85044001 | 85049000 | 0.003508075 |
| chr13      | 85205001 | 85210000 | 0.013776427 |
| chr13      | 85558001 | 85563000 | 0.006862103 |
| chr13      | 85559001 | 85564000 | 0.001622645 |
| chr13      | 85588001 | 85593000 | 0.003704673 |
| chr13      | 85598001 | 85603000 | 0.000196109 |
| chr13      | 85599001 | 85604000 | 7.02E-05 |
| chr13      | 85600001 | 85605000 | 0.000123041 |
| chr13      | 85601001 | 85606000 | 0.000282161 |
| chr13      | 85872001 | 85877000 | 7.72E-16 |
| chr13      | 85873001 | 85878000 | 6.93E-17 |
| chr13      | 85874001 | 85879000 | 4.50E-11 |
| chr13      | 85877001 | 85882000 | 0.000530841 |
| chr13      | 86474001 | 86479000 | 0.000300199 |
| chr13      | 86475001 | 86480000 | 6.18E-06 |
| Chr  | Start | End   | P-value     |
|------|-------|-------|-------------|
| chr13| 95202001 | 95207000 | 2.45E-50    |
| chr13| 95248001 | 95253000 | 3.91E-08    |
| chr13| 95250001 | 95255000 | 9.12E-15    |
| chr13| 95251001 | 95256000 | 1.29E-20    |
| chr13| 95252001 | 95257000 | 6.45E-23    |
| chr13| 95253001 | 95258000 | 1.40E-51    |
| chr13| 95254001 | 95259000 | 3.62E-59    |
| chr13| 952582001 | 95387000 | 5.89E-06    |
| chr13| 95383001 | 95388000 | 9.85E-07    |
| chr13| 95384001 | 95389000 | 3.55E-06    |
| chr13| 95398001 | 95403000 | 5.72E-08    |
| chr13| 95399001 | 95404000 | 3.70E-07    |
| chr13| 95400001 | 95405000 | 2.29E-05    |
| chr13| 95402001 | 95407000 | 0.0003972   |
| chr13| 95405001 | 95410000 | 0.000299826 |
| chr13| 95406001 | 95411000 | 0.00047521  |
| chr13| 95431001 | 95436000 | 0.000384055 |
| chr13| 95548001 | 95553000 | 9.69E-05    |
| chr13| 95559001 | 95564000 | 6.51E-05    |
| chr13| 95560001 | 95565000 | 5.51E-05    |
| chr13| 95570001 | 95575000 | 9.95E-07    |
| chr13| 95615001 | 95620000 | 2.37E-11    |
| chr13| 95616001 | 95621000 | 7.29E-40    |
| chr13| 95617001 | 95622000 | 7.19E-43    |
| chr13| 95618001 | 95623000 | 7.36E-65    |
| chr13| 95619001 | 95624000 | 1.05E-48    |
| chr13| 95620001 | 95625000 | 1.23E-50    |
| chr13| 95642001 | 95647000 | 0.000318768 |
| chr13| 95651001 | 95656000 | 2.90E-20    |
| chr13| 95891001 | 95896000 | 2.43E-09    |
| chr13| 95892001 | 95897000 | 4.36E-10    |
| chr13| 95893001 | 95898000 | 1.60E-12    |
| chr13| 95949001 | 95954000 | 5.63E-33    |
| chr13| 95950001 | 95955000 | 2.91E-38    |
| chr13| 95951001 | 95956000 | 7.52E-33    |
| chr13| 95952001 | 95957000 | 2.25E-37    |
| chr13| 95953001 | 95958000 | 1.07E-18    |
| chr13| 95954001 | 95959000 | 2.87E-06    |
| chr13| 96324001 | 96329000 | 4.30E-64    |
| chr13| 96325001 | 96330000 | 3.56E-122   |
| chr13| 96326001 | 96331000 | 5.19E-91    |
| chr13| 96701001 | 96706000 | 1.55E-27    |
| chr13| 96702001 | 96707000 | 3.33E-28    |
| chr13| 96703001 | 96708000 | 5.33E-43    |
| chr13| 96704001 | 96709000 | 2.11E-32    |
| chr13| 96705001 | 96710000 | 3.49E-33    |
| chr13| 96706001 | 96711000 | 1.33E-13    |
| chr13| 96738001 | 96743000 | 9.02E-89    |
| Chr  | Start  | End    | p-value |
|------|--------|--------|---------|
| chr13| 96739001| 96744000| 4.79E-69 |
| chr13| 9674001 | 96746000| 2.75E-45 |
| chr13| 9674001 | 96747000| 1.11E-53 |
| chr13| 96743001| 96748000| 2.26E-40 |
| chr13| 96748001| 96753000| 0.00680638 |
| chr13| 96803001| 96808000| 0.00209367 |
| chr13| 96860001| 96865000| 6.20E-05 |
| chr13| 96973001| 96978000| 2.29E-07 |
| chr13| 96974001| 96979000| 1.12E-09 |
| chr13| 97237001| 97242000| 0.000864501 |
| chr13| 97238001| 97243000| 0.000269089 |
| chr13| 97239001| 97244000| 3.90E-05 |
| chr13| 97304001| 97309000| 9.44E-05 |
| chr13| 97332001| 97337000| 1.82E-06 |
| chr13| 97352001| 97357000| 0.000433972 |
| chr13| 97440001| 97445000| 8.12E-05 |
| chr13| 97547001| 97552000| 3.64E-08 |
| chr13| 97548001| 97553000| 2.16E-05 |
| chr13| 97549001| 97554000| 1.84E-06 |
| chr13| 97556001| 97561000| 6.07E-12 |
| chr13| 98086001| 98091000| 2.19E-62 |
| chr13| 98345001| 98350000| 1.83E-10 |
| chr13| 98360001| 98365000| 4.39E-05 |
| chr13| 98361001| 98366000| 0.00464378 |
| chr13| 98362001| 98367000| 0.019540254 |
| chr13| 98363001| 98368000| 0.005322084 |
| chr13| 98415001| 98420000| 2.28E-06 |
| chr13| 98441001| 98446000| 4.41E-06 |
| chr13| 98442001| 98447000| 1.53E-06 |
| chr13| 98443001| 98448000| 2.66E-05 |
| chr13| 98444001| 98449000| 1.60E-06 |
| chr13| 98612001| 98617000| 4.71E-11 |
| chr13| 98613001| 98618000| 1.21E-10 |
| chr13| 98626001| 98631000| 1.43E-39 |
| chr13| 98627001| 98632000| 9.47E-71 |
| chr13| 98628001| 98633000| 1.37E-74 |
| chr13| 98629001| 98634000| 9.90E-55 |
| chr13| 98791001| 98796000| 5.85E-31 |
| chr13| 98931001| 98936000| 3.47E-17 |
| chr13| 98932001| 98937000| 3.17E-15 |
| chr13| 99229001| 99234000| 3.73E-18 |
| chr13| 99401001| 99406000| 1.13E-19 |
| chr13| 99402001| 99407000| 1.68E-17 |
| chr13| 99403001| 99408000| 4.94E-17 |
| chr13| 99738001| 99743000| 3.80E-20 |
| chr13| 99739001| 99744000| 1.54E-30 |
| chr13| 99740001| 99745000| 5.34E-18 |
| chr13| 99757001| 99762000| 4.61E-07 |
| Chr  | Start   | End     | p-value       |
|------|---------|---------|--------------|
| chr13| 99758001| 99763000| 3.44E-10     |
| chr13| 99759001| 99764000| 7.55E-07     |
| chr13| 99852001| 99857000| 1.17E-33     |
| chr13| 99853001| 99858000| 4.40E-17     |
| chr13| 100254001| 100259000| 2.65E-27   |
| chr13| 100255001| 100260000| 6.42E-52   |
| chr13| 100306001| 100311000| 2.75E-16   |
| chr13| 100308001| 100313000| 7.02E-37   |
| chr13| 100310001| 100315000| 1.06E-23   |
| chr13| 100616001| 100621000| 1.45E-20   |
| chr13| 100618001| 100623000| 2.41E-25   |
| chr13| 100738001| 100743000| 3.01E-21   |
| chr13| 100739001| 100744000| 9.04E-34   |
| chr13| 100740001| 100745000| 1.82E-28   |
| chr13| 100741001| 100746000| 8.94E-25   |
| chr13| 101236001| 101241000| 1.15E-18   |
| chr13| 101237001| 101242000| 6.26E-18   |
| chr13| 101238001| 101243000| 7.27E-15   |
| chr13| 101239001| 101244000| 6.49E-20   |
| chr13| 101241001| 101246000| 3.54E-20   |
| chr13| 101322001| 101327000| 8.12E-24   |
| chr13| 101323001| 101328000| 1.34E-27   |
| chr13| 101325001| 101330000| 1.40E-42   |
| chr13| 101326001| 101331000| 1.11E-85   |
| chr13| 101327001| 101332000| 2.81E-51   |
| chr13| 101393001| 101398000| 0.000254412 |
| chr13| 101394001| 101399000| 0.000155171 |
| chr13| 101427001| 101432000| 9.49E-09   |
| chr13| 101428001| 101433000| 8.35E-13   |
| chr13| 101429001| 101434000| 1.16E-13   |
| chr13| 101430001| 101435000| 3.69E-15   |
| chr13| 101436001| 101441000| 2.07E-07   |
| chr13| 101462001| 101467000| 3.19E-07   |
| chr13| 101545001| 101550000| 0.000137904 |
| chr13| 101547001| 101552000| 0.003235647 |
| chr13| 101558001| 101563000| 6.94E-06   |
| chr13| 101559001| 101564000| 2.20E-08   |
| chr13| 101578001| 101583000| 1.73E-06   |
| chr13| 101579001| 101584000| 3.42E-08   |
| chr13| 101585001| 101590000| 4.75E-07   |
| chr13| 102064001| 102069000| 4.04E-23   |
| chr13| 102065001| 102070000| 1.30E-30   |
| chr13| 102066001| 102071000| 2.45E-37   |
| chr13| 102067001| 102072000| 5.65E-45   |
| chr13| 102068001| 102073000| 6.15E-34   |
| chr13| 102069001| 102074000| 4.62E-11   |
| chr13 | Start   | End     | p-value   |
|-------|---------|---------|-----------|
| 102106001 | 102111000 | 4.51E-15 |
| 102272001 | 102277000 | 1.57E-09 |
| 102273001 | 102278000 | 1.04E-07 |
| 103021001 | 103026000 | 3.50E-05 |
| 103022001 | 103027000 | 0.00905626 |
| 103024001 | 103029000 | 0.000844027 |
| 103025001 | 103030000 | 0.00146921 |
| 103042001 | 103047000 | 2.72E-48 |
| 103043001 | 103048000 | 1.02E-44 |
| 103044001 | 103049000 | 1.05E-37 |
| 103045001 | 103050000 | 2.19E-37 |
| 103046001 | 103051000 | 6.84E-45 |
| 103047001 | 103052000 | 8.14E-19 |
| 103056001 | 103061000 | 0.000211907 |
| 103245001 | 103250000 | 1.59E-64 |
| 103246001 | 103251000 | 7.59E-54 |
| 103421001 | 103426000 | 1.35E-42 |
| 103422001 | 103427000 | 5.82E-24 |
| 103423001 | 103428000 | 3.06E-18 |
| 103424001 | 103429000 | 4.63E-16 |
| 103452001 | 103457000 | 2.99E-37 |
| 103986001 | 103991000 | 0.003077957 |
| 103993001 | 103998000 | 0.000197001 |
| 104612001 | 104617000 | 0.010774373 |
| 104616001 | 104621000 | 1.46E-06 |
| 104672001 | 104677000 | 0.004818115 |
| 104682001 | 104687000 | 0.000201656 |
| 104692001 | 104697000 | 0.000138459 |
| 104693001 | 104698000 | 0.000286625 |
| 104695001 | 104700000 | 0.000234294 |
| 104888001 | 104893000 | 0.00050847 |
| 104936001 | 104941000 | 0.000427599 |
| 105028001 | 105033000 | 7.35E-06 |
| 105029001 | 105034000 | 2.39E-05 |
| 105030001 | 105035000 | 1.57E-05 |
| 105031001 | 105036000 | 3.75E-05 |
| 105104001 | 105109000 | 3.08E-06 |
| 105105001 | 105110000 | 1.48E-06 |
| 105106001 | 105111000 | 1.05E-05 |
| 105142001 | 105147000 | 1.91E-05 |
| 105230001 | 105235000 | 3.13E-06 |
| 105508001 | 105513000 | 0.001037082 |
| 105509001 | 105514000 | 0.000110685 |
| 105510001 | 105515000 | 0.000838463 |
| 105651001 | 105656000 | 0.000286625 |
| 105657001 | 105662000 | 1.01E-07 |
| 105658001 | 105663000 | 6.56E-07 |
| 105712001 | 105717000 | 6.92E-05 |
| Chr | Start  | End    | Score  |
|-----|--------|--------|--------|
| chr13 | 105713001 | 105718000 | 0.000241607 |
| chr13 | 106139001 | 106144000 | 0.001641928 |
| chr13 | 106308001 | 106313000 | 0.000783038 |
| chr13 | 106355001 | 106360000 | 1.89E-07 |
| chr13 | 106357001 | 106362000 | 1.30E-06 |
| chr13 | 107188001 | 107193000 | 1.35E-03 |
| chr13 | 107422001 | 107427000 | 2.42E-06 |
| chr13 | 107423001 | 107428000 | 1.15E-05 |
| chr13 | 107476001 | 107481000 | 1.41E-11 |
| chr13 | 107477001 | 107482000 | 2.14E-15 |
| chr13 | 107478001 | 107483000 | 3.73E-14 |
| chr13 | 107479001 | 107484000 | 5.61E-15 |
| chr13 | 107480001 | 107485000 | 5.35E-07 |
| chr13 | 107481001 | 107486000 | 0.00996971 |
| chr13 | 107499001 | 107504000 | 1.26E-06 |
| chr13 | 107501001 | 107506000 | 6.55E-08 |
| chr13 | 107502001 | 107507000 | 4.94E-10 |
| chr13 | 107503001 | 107508000 | 1.74E-13 |
| chr13 | 107504001 | 107509000 | 9.02E-13 |
| chr13 | 107505001 | 107510000 | 1.62E-11 |
| chr13 | 107506001 | 107511000 | 5.84E-10 |
| chr13 | 107532001 | 107537000 | 1.91E-05 |
| chr13 | 107566001 | 107571000 | 3.74E-20 |
| chr13 | 107590001 | 107595000 | 9.58E-06 |
| chr13 | 107591001 | 107596000 | 9.41E-09 |
| chr13 | 107630001 | 107635000 | 0.00122856 |
| chr13 | 107634001 | 107639000 | 1.16E-10 |
| chr13 | 107635001 | 107640000 | 1.79E-10 |
| chr13 | 107636001 | 107641000 | 1.03E-10 |
| chr13 | 107637001 | 107642000 | 2.18E-07 |
| chr13 | 107647001 | 107652000 | 1.25E-06 |
| chr13 | 107648001 | 107653000 | 1.56E-16 |
| chr13 | 107649001 | 107654000 | 1.54E-16 |
| chr13 | 107650001 | 107655000 | 9.25E-18 |
| chr13 | 107651001 | 107656000 | 2.38E-17 |
| chr13 | 107655001 | 107660000 | 5.06E-08 |
| chr13 | 107656001 | 107661000 | 6.35E-08 |
| chr13 | 107657001 | 107662000 | 2.05E-09 |
| chr13 | 107658001 | 107663000 | 9.27E-10 |
| chr13 | 107659001 | 107664000 | 6.70E-11 |
| chr13 | 107688001 | 107693000 | 3.71E-08 |
| chr13 | 107689001 | 107694000 | 1.80E-15 |
| chr13 | 107705001 | 107710000 | 3.30E-07 |
| chr13 | 107706001 | 107711000 | 2.73E-06 |
| chr13 | 107707001 | 107712000 | 1.45E-05 |
| chr13 | 107708001 | 107713000 | 2.10E-06 |
| chr13 | 107731001 | 107736000 | 6.69E-08 |
| chr13 | 107732001 | 107737000 | 2.19E-07 |
| chr   | Start   | End     | p_value  |
|-------|---------|---------|----------|
| chr13 | 107734001 | 107739000 | 5.32E-05 |
| chr13 | 107785001 | 107790000 | 1.50E-05 |
| chr13 | 108321001 | 108326000 | 3.58E-06 |
| chr13 | 108514001 | 108519000 | 1.31E-41 |
| chr13 | 108518001 | 108523000 | 1.34E-38 |
| chr13 | 108664001 | 108669000 | 3.03E-07 |
| chr13 | 108870001 | 108875000 | 1.06E-69 |
| chr13 | 108871001 | 108876000 | 1.79E-37 |
| chr13 | 108910001 | 108915000 | 2.58E-06 |
| chr13 | 108922001 | 108927000 | 4.53E-14 |
| chr13 | 108976001 | 108981000 | 1.35E-07 |
| chr13 | 109055001 | 109060000 | 2.16E-08 |
| chr13 | 109056001 | 109061000 | 5.14E-08 |
| chr13 | 109062001 | 109067000 | 2.78E-06 |
| chr13 | 109064001 | 109069000 | 3.48E-06 |
| chr13 | 109065001 | 109070000 | 3.15E-06 |
| chr13 | 109066001 | 109071000 | 0.000157537 |
| chr13 | 109068001 | 109073000 | 2.71E-06 |
| chr13 | 109143001 | 109148000 | 2.69E-20 |
| chr13 | 109144001 | 109149000 | 2.07E-41 |
| chr13 | 109145001 | 109150000 | 4.54E-40 |
| chr13 | 109147001 | 109152000 | 2.03E-20 |
| chr13 | 109148001 | 109153000 | 1.06E-20 |
| chr13 | 109235001 | 109240000 | 1.62E-06 |
| chr13 | 109236001 | 109241000 | 3.35E-06 |
| chr13 | 109254001 | 109259000 | 8.91E-05 |
| chr13 | 109284001 | 109289000 | 8.11E-15 |
| chr13 | 109285001 | 109290000 | 2.74E-15 |
| chr13 | 109286001 | 109291000 | 4.36E-17 |
| chr13 | 109287001 | 109292000 | 4.33E-12 |
| chr13 | 109288001 | 109293000 | 4.11E-12 |
| chr13 | 109289001 | 109294000 | 1.24E-10 |
| chr13 | 109293001 | 109298000 | 1.78E-06 |
| chr13 | 109294001 | 109299000 | 5.25E-08 |
| chr13 | 109322001 | 109327000 | 7.74E-07 |
| chr13 | 109426001 | 109431000 | 4.12E-08 |
| chr13 | 109521001 | 109526000 | 3.86E-09 |
| chr13 | 109525001 | 109530000 | 9.02E-08 |
| chr13 | 109617001 | 109622000 | 1.70E-15 |
| chr13 | 109618001 | 109623000 | 1.23E-14 |
| chr13 | 109640001 | 109645000 | 0.001363616 |
| chr13 | 109641001 | 109646000 | 0.000238228 |
| chr13 | 109642001 | 109647000 | 2.51E-05 |
| chr13 | 109643001 | 109648000 | 6.07E-05 |
| chr13 | 109823001 | 109828000 | 2.31E-07 |
| chr13 | 109824001 | 109829000 | 2.09E-06 |
| chr13 | 109825001 | 109830000 | 1.76E-11 |
| chr13 | 109852001 | 109857000 | 0.000408009 |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr13      | 109853001      | 109858000    | 0.000662359 |
| chr13      | 109883001      | 109888000    | 3.62E-11 |
| chr13      | 110031001      | 110036000    | 2.56E-05 |
| chr13      | 110057001      | 110062000    | 7.76E-08 |
| chr13      | 110074001      | 110079000    | 6.24E-10 |
| chr13      | 110152001      | 110157000    | 0.000755568 |
| chr13      | 110153001      | 110158000    | 4.07E-05 |
| chr13      | 110154001      | 110159000    | 1.21E-05 |
| chr13      | 110245001      | 110250000    | 5.59E-05 |
| chr13      | 110436001      | 110441000    | 8.19E-24 |
| chr13      | 110439001      | 110444000    | 3.54E-32 |
| chr13      | 110440001      | 110445000    | 9.26E-09 |
| chr13      | 110441001      | 110446000    | 0.001014596 |
| chr13      | 110509001      | 110514000    | 1.45E-07 |
| chr13      | 110517001      | 110522000    | 5.46E-10 |
| chr13      | 110533001      | 110538000    | 2.30E-20 |
| chr13      | 110731001      | 110736000    | 8.00E-09 |
| chr13      | 110782001      | 110787000    | 5.09E-20 |
| chr13      | 110783001      | 110788000    | 2.51E-18 |
| chr13      | 110786001      | 110791000    | 2.20E-36 |
| chr13      | 110872001      | 110877000    | 3.91E-22 |
| chr13      | 110948001      | 110953000    | 8.10E-35 |
| chr13      | 110949001      | 110954000    | 4.04E-29 |
| chr13      | 110950001      | 110955000    | 1.18E-28 |
| chr13      | 110951001      | 110956000    | 1.00E-20 |
| chr13      | 111080001      | 111085000    | 1.67E-15 |
| chr13      | 111358001      | 111363000    | 6.96E-30 |
| chr13      | 111418001      | 111423000    | 5.17E-12 |
| chr13      | 111434001      | 111439000    | 1.82E-08 |
| chr13      | 111441001      | 111446000    | 1.96E-13 |
| chr13      | 111706001      | 111711000    | 1.62E-06 |
| chr13      | 111707001      | 111712000    | 4.17E-12 |
| chr13      | 111708001      | 111713000    | 7.17E-14 |
| chr13      | 111709001      | 111714000    | 7.35E-10 |
| chr13      | 111763001      | 111768000    | 2.73E-36 |
| chr13      | 111764001      | 111769000    | 6.51E-44 |
| chr13      | 111765001      | 111770000    | 3.52E-37 |
| chr13      | 111766001      | 111771000    | 2.04E-46 |
| chr13      | 111767001      | 111772000    | 1.95E-44 |
| chr13      | 111768001      | 111773000    | 2.41E-25 |
| chr13      | 111801001      | 111806000    | 4.16E-53 |
| chr13      | 111802001      | 111807000    | 1.24E-66 |
| chr13      | 111803001      | 111808000    | 5.07E-63 |
| chr13      | 112543001      | 112548000    | 7.74E-30 |
| chr13      | 112932001      | 112937000    | 0.000589119 |
| chr13      | 112933001      | 112938000    | 0.001015596 |
| chr13      | 113238001      | 113243000    | 3.93E-20 |
| chr13      | 113240001      | 113245000    | 2.40E-23 |
| Chromosome | Start Position | End Position | Value     |
|------------|----------------|--------------|-----------|
| chr13      | 113241001      | 113246000    | 2.59E-30  |
| chr13      | 113242001      | 113247000    | 5.05E-41  |
| chr13      | 113340001      | 113345000    | 3.62E-18  |
| chr13      | 113595001      | 113600000    | 3.19E-20  |
| chr13      | 113619001      | 113624000    | 3.28E-26  |
| chr13      | 113620001      | 113625000    | 1.66E-23  |
| chr13      | 113621001      | 113626000    | 5.63E-15  |
| chr13      | 113622001      | 113627000    | 1.48E-23  |
| chr13      | 113623001      | 113628000    | 1.91E-17  |
| chr13      | 113863001      | 113868000    | 5.08E-34  |
| chr13      | 113864001      | 113869000    | 2.82E-22  |
| chr13      | 115042001      | 115047000    | 1.37E-32  |
| chr13      | 115043001      | 115048000    | 9.37E-33  |
| chr13      | 115044001      | 115049000    | 7.00E-20  |
| chr13      | 115045001      | 115050000    | 9.33E-40  |
| chr13      | 115046001      | 115051000    | 6.07E-40  |
| chr13      | 115047001      | 115052000    | 3.11E-50  |
| chr13      | 115075001      | 115080000    | 1.19E-32  |
| chr13      | 115076001      | 115081000    | 3.63E-47  |
| chr13      | 115078001      | 115083000    | 1.21E-41  |
| chr13      | 115079001      | 115084000    | 5.42E-43  |
| chr14      | 19214001       | 19219000     | 0.000370436 |
| chr14      | 19215001       | 19220000     | 0.000212838 |
| chr14      | 19216001       | 19221000     | 6.40E-06  |
| chr14      | 19217001       | 19222000     | 0.00160591 |
| chr14      | 19240001       | 19245000     | 0.00042611 |
| chr14      | 19241001       | 19246000     | 0.00042611 |
| chr14      | 19243001       | 19248000     | 0.000160554 |
| chr14      | 19298001       | 19303000     | 1.20E-05  |
| chr14      | 19312001       | 19317000     | 1.39E-05  |
| chr14      | 19386001       | 19391000     | 6.62E-09  |
| chr14      | 19425001       | 19430000     | 3.29E-08  |
| chr14      | 19426001       | 19431000     | 4.04E-09  |
| chr14      | 19479001       | 19484000     | 4.08E-15  |
| chr14      | 19508001       | 19513000     | 0.000355958 |
| chr14      | 19532001       | 19537000     | 1.32E-05  |
| chr14      | 19866001       | 19871000     | 4.75E-05  |
| chr14      | 19929001       | 19934000     | 8.42E-14  |
| chr14      | 19930001       | 19935000     | 8.66E-10  |
| chr14      | 19931001       | 19936000     | 8.66E-10  |
| chr14      | 19977001       | 19982000     | 2.11E-10  |
| chr14      | 19978001       | 19983000     | 1.47E-09  |
| chr14      | 19979001       | 19984000     | 1.06E-09  |
| chr14      | 20039001       | 20044000     | 3.70E-05  |
| chr14      | 20040001       | 20045000     | 8.80E-11  |
| chr14      | 20041001       | 20046000     | 1.44E-10  |
| chr14      | 20042001       | 20047000     | 1.55E-09  |
| chr14      | 20043001       | 20048000     | 9.10E-13  |
chr14  22091001  22096000  1.97E-10
chr14  22092001  22097000  7.25E-13
chr14  22093001  22098000  4.55E-14
chr14  22094001  22099000  4.08E-16
chr14  22123001  22128000  7.27E-08
chr14  22169001  22174000  3.96E-05
chr14  22172001  22177000  4.26E-05
chr14  22173001  22178000  9.78E-07
chr14  22261001  22266000  0.000437697
chr14  22315001  22320000  4.23E-13
chr14  22423001  22428000  7.37E-09
chr14  22424001  22429000  1.85E-08
chr14  22428001  22433000  0.000121515
chr14  22439001  22444000  1.57E-05
chr14  22441001  22446000  1.08E-05
chr14  22485001  22490000  0.0180472
chr14  22487001  22492000  0.006343506
chr14  22538001  22543000  3.04E-08
chr14  22539001  22544000  1.39E-06
chr14  22541001  22546000  0.000248252
chr14  22826001  22831000  3.43E-05
chr14  23067001  23072000  3.20E-20
chr14  23157001  23162000  0.000160818
chr14  23298001  23303000  2.60E-16
chr14  23299001  23304000  1.94E-16
chr14  23426001  23431000  8.73E-23
chr14  23451001  23456000  6.53E-65
chr14  23525001  23530000  3.13E-30
chr14  23526001  23531000  8.29E-28
chr14  23766001  23771000  2.15E-24
chr14  23786001  23791000  4.99E-45
chr14  23791001  23796000  3.03E-27
chr14  23819001  23824000  3.49E-14
chr14  23820001  23825000  1.45E-16
chr14  23821001  23826000  8.12E-17
chr14  23830001  23835000  1.59E-13
chr14  23902001  23907000  1.25E-08
chr14  23912001  23917000  1.49E-07
chr14  24017001  24022000  3.67E-14
chr14  24023001  24028000  1.92E-16
chr14  24024001  24029000  2.46E-16
chr14  24025001  24030000  1.40E-16
chr14  24086001  24091000  1.31E-05
chr14  24087001  24092000  3.03E-07
chr14  24093001  24098000  1.11E-08
chr14  24094001  24099000  1.15E-08
chr14  24095001  24100000  3.71E-07
chr14  24096001  24101000  8.78E-05
| Chr | Start | End   | p-value |
|-----|-------|-------|---------|
| chr14 | 24137001 | 24142000 | 4.18E-06 |
| chr14 | 24138001 | 24143000 | 2.01E-08 |
| chr14 | 24249001 | 24254000 | 3.39E-08 |
| chr14 | 24472001 | 24477000 | 6.29E-06 |
| chr14 | 24473001 | 24478000 | 6.49E-10 |
| chr14 | 24579001 | 24584000 | 9.88E-13 |
| chr14 | 24581001 | 24586000 | 1.92E-30 |
| chr14 | 24582001 | 24587000 | 2.35E-27 |
| chr14 | 24583001 | 24588000 | 1.48E-56 |
| chr14 | 24584001 | 24589000 | 2.41E-31 |
| chr14 | 24660001 | 24665000 | 1.61E-24 |
| chr14 | 24700001 | 24705000 | 3.28E-28 |
| chr14 | 24709001 | 24714000 | 5.01E-16 |
| chr14 | 24710001 | 24715000 | 1.79E-16 |
| chr14 | 24711001 | 24716000 | 3.19E-21 |
| chr14 | 24832001 | 24837000 | 2.00E-18 |
| chr14 | 24899001 | 24904000 | 2.42E-14 |
| chr14 | 25048001 | 25053000 | 2.25E-06 |
| chr14 | 25051001 | 25056000 | 2.81E-14 |
| chr14 | 25126001 | 25131000 | 1.37E-07 |
| chr14 | 25127001 | 25132000 | 1.50E-05 |
| chr14 | 25390001 | 25395000 | 0.000459709 |
| chr14 | 25656001 | 25661000 | 1.60E-09 |
| chr14 | 25677001 | 25682000 | 4.84E-13 |
| chr14 | 25680001 | 25685000 | 0.022155898 |
| chr14 | 25684001 | 25689000 | 0.000156547 |
| chr14 | 25685001 | 25690000 | 5.94E-05 |
| chr14 | 25686001 | 25691000 | 0.000300013 |
| chr14 | 25687001 | 25692000 | 0.000300013 |
| chr14 | 25732001 | 25737000 | 5.14E-09 |
| chr14 | 25733001 | 25738000 | 8.78E-07 |
| chr14 | 25736001 | 25741000 | 7.25E-05 |
| chr14 | 26214001 | 26219000 | 0.001619516 |
| chr14 | 26216001 | 26221000 | 0.003346625 |
| chr14 | 26217001 | 26222000 | 0.003500422 |
| chr14 | 26231001 | 26236000 | 6.30E-05 |
| chr14 | 26232001 | 26237000 | 8.95E-05 |
| chr14 | 26233001 | 26238000 | 6.61E-05 |
| chr14 | 26234001 | 26239000 | 0.000575923 |
| chr14 | 26356001 | 26361000 | 0.000446111 |
| chr14 | 26357001 | 26362000 | 0.0011358 |
| chr14 | 26403001 | 26408000 | 0.018249073 |
| chr14 | 26414001 | 26419000 | 0.000372048 |
| chr14 | 26415001 | 26420000 | 1.70E-07 |
| chr14 | 26416001 | 26421000 | 1.09E-09 |
| chr14 | 26417001 | 26422000 | 9.86E-08 |
| chr14 | 26490001 | 26495000 | 0.001528805 |
| chr14 | 26491001 | 26496000 | 8.83E-06 |
| Chr  | Start  | End    | Value       |
|------|--------|--------|-------------|
| chr14| 26492001 | 26497000 | 3.79E-05    |
| chr14| 26493001 | 26498000 | 0.002438974 |
| chr14| 26588001 | 26593000 | 0.000584271 |
| chr14| 26589001 | 26594000 | 0.002642602 |
| chr14| 26693001 | 26698000 | 1.92E-05    |
| chr14| 26962001 | 26967000 | 1.16E-06    |
| chr14| 27061001 | 27066000 | 5.91E-22    |
| chr14| 27079001 | 27084000 | 2.74E-05    |
| chr14| 27080001 | 27085000 | 8.79E-06    |
| chr14| 27090001 | 27095000 | 0.012023022 |
| chr14| 27139001 | 27144000 | 1.86E-06    |
| chr14| 27763001 | 27768000 | 0.000170286 |
| chr14| 27766001 | 27771000 | 8.47E-05    |
| chr14| 27996001 | 28001000 | 0.000220568 |
| chr14| 28412001 | 28417000 | 3.26E-06    |
| chr14| 28413001 | 28418000 | 3.52E-06    |
| chr14| 28414001 | 28419000 | 1.17E-05    |
| chr14| 28620001 | 28625000 | 0.008596545 |
| chr14| 29286001 | 29291000 | 1.68E-05    |
| chr14| 29287001 | 29292000 | 2.01E-05    |
| chr14| 29289001 | 29294000 | 0.000283383 |
| chr14| 29557001 | 29562000 | 9.86E-05    |
| chr14| 29558001 | 29563000 | 8.89E-05    |
| chr14| 29572001 | 29577000 | 1.36E-06    |
| chr14| 29573001 | 29578000 | 0.000630164 |
| chr14| 29686001 | 29691000 | 0.001887514 |
| chr14| 29687001 | 29692000 | 0.000341809 |
| chr14| 29688001 | 29693000 | 1.39E-08    |
| chr14| 29689001 | 29694000 | 4.99E-07    |
| chr14| 29754001 | 29759000 | 0.000797727 |
| chr14| 29867001 | 29872000 | 0.000423733 |
| chr14| 30169001 | 30174000 | 4.26E-05    |
| chr14| 30170001 | 30175000 | 9.52E-07    |
| chr14| 30171001 | 30176000 | 7.89E-07    |
| chr14| 30172001 | 30177000 | 1.95E-06    |
| chr14| 30173001 | 30178000 | 8.36E-06    |
| chr14| 30183001 | 30188000 | 0.004691659 |
| chr14| 30184001 | 30189000 | 0.009134872 |
| chr14| 31339001 | 31344000 | 5.39E-22    |
| chr14| 31340001 | 31345000 | 1.25E-18    |
| chr14| 31341001 | 31346000 | 2.19E-22    |
| chr14| 31342001 | 31347000 | 5.71E-18    |
| chr14| 31343001 | 31348000 | 1.39E-16    |
| chr14| 31344001 | 31349000 | 9.63E-16    |
| chr14| 31672001 | 31677000 | 1.80E-59    |
| chr14| 31673001 | 31678000 | 6.61E-59    |
| chr14| 31676001 | 31681000 | 4.56E-23    |
| chr14| 31677001 | 31682000 | 7.73E-17    |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr14      | 32071001       | 32076000     | 0.000426738 |
| chr14      | 32353001       | 32358000     | 1.89E-14   |
| chr14      | 32354001       | 32359000     | 1.07E-13   |
| chr14      | 32541001       | 32546000     | 7.77E-78   |
| chr14      | 33045001       | 33050000     | 2.92E-05   |
| chr14      | 33176001       | 33181000     | 0.022440689 |
| chr14      | 33245001       | 33250000     | 0.000519706 |
| chr14      | 33246001       | 33251000     | 0.002860209 |
| chr14      | 33264001       | 33269000     | 7.02E-05   |
| chr14      | 33349001       | 33354000     | 6.26E-06   |
| chr14      | 33408001       | 33413000     | 2.25E-28   |
| chr14      | 33409001       | 33414000     | 1.97E-12   |
| chr14      | 33742001       | 33747000     | 6.53E-07   |
| chr14      | 33751001       | 33756000     | 4.31E-05   |
| chr14      | 33752001       | 33757000     | 6.10E-05   |
| chr14      | 33800001       | 33805000     | 1.46E-05   |
| chr14      | 33801001       | 33806000     | 1.65E-05   |
| chr14      | 33802001       | 33807000     | 1.40E-06   |
| chr14      | 33803001       | 33808000     | 2.78E-06   |
| chr14      | 33804001       | 33809000     | 2.32E-06   |
| chr14      | 33806001       | 33811000     | 0.00117208 |
| chr14      | 33807001       | 33812000     | 8.16E-05   |
| chr14      | 33808001       | 33813000     | 9.10E-06   |
| chr14      | 33809001       | 33814000     | 5.46E-05   |
| chr14      | 33847001       | 33852000     | 9.38E-07   |
| chr14      | 33848001       | 33853000     | 6.70E-05   |
| chr14      | 33873001       | 33878000     | 0.00409823 |
| chr14      | 33874001       | 33879000     | 0.002045453 |
| chr14      | 33875001       | 33880000     | 0.002526696 |
| chr14      | 33890001       | 33895000     | 3.57E-05   |
| chr14      | 33891001       | 33896000     | 7.63E-07   |
| chr14      | 34169001       | 34174000     | 2.08E-06   |
| chr14      | 34201001       | 34206000     | 2.73E-09   |
| chr14      | 34415001       | 34420000     | 6.91E-30   |
| chr14      | 34416001       | 34421000     | 4.72E-51   |
| chr14      | 34417001       | 34422000     | 1.13E-52   |
| chr14      | 34418001       | 34423000     | 8.99E-33   |
| chr14      | 34419001       | 34424000     | 2.73E-34   |
| chr14      | 34420001       | 34425000     | 3.21E-18   |
| chr14      | 34713001       | 34718000     | 3.31E-06   |
| chr14      | 34714001       | 34719000     | 1.56E-05   |
| chr14      | 35095001       | 35100000     | 7.73E-28   |
| chr14      | 35096001       | 35101000     | 8.98E-30   |
| chr14      | 35097001       | 35102000     | 4.55E-26   |
| chr14      | 35098001       | 35103000     | 5.06E-30   |
| chr14      | 35099001       | 35104000     | 5.81E-24   |
| chr14      | 35179001       | 35184000     | 1.29E-50   |
| chr14      | 35343001       | 35348000     | 2.05E-75   |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr14      | 35344001       | 35349000     | 3.17E-47 |
| chr14      | 35998001       | 36003000     | 9.12E-50 |
| chr14      | 36275001       | 36280000     | 5.93E-43 |
| chr14      | 36276001       | 36281000     | 1.07E-43 |
| chr14      | 36277001       | 36282000     | 1.16E-26 |
| chr14      | 36278001       | 36283000     | 3.09E-33 |
| chr14      | 36594001       | 36599000     | 4.64E-05 |
| chr14      | 37248001       | 37253000     | 0.012624 |
| chr14      | 37470001       | 37475000     | 3.50E-09 |
| chr14      | 37471001       | 37476000     | 4.81E-09 |
| chr14      | 37472001       | 37477000     | 2.55E-09 |
| chr14      | 37473001       | 37478000     | 1.82E-08 |
| chr14      | 37662001       | 37667000     | 9.03E-18 |
| chr14      | 37804001       | 37809000     | 0.005247338 |
| chr14      | 38048001       | 38053000     | 2.59E-24 |
| chr14      | 38416001       | 38421000     | 0.000433425 |
| chr14      | 38418001       | 38423000     | 2.92E-06 |
| chr14      | 38467001       | 38472000     | 0.001459865 |
| chr14      | 38524001       | 38529000     | 0.000271777 |
| chr14      | 38553001       | 38558000     | 0.006192252 |
| chr14      | 38592001       | 38597000     | 8.96E-09 |
| chr14      | 38598001       | 38603000     | 0.000148597 |
| chr14      | 38599001       | 38604000     | 7.73E-10 |
| chr14      | 38608001       | 38613000     | 0.000939474 |
| chr14      | 38609001       | 38614000     | 0.0011452319 |
| chr14      | 38741001       | 38746000     | 0.00108361 |
| chr14      | 38742001       | 38747000     | 1.26E-08 |
| chr14      | 38743001       | 38748000     | 2.01E-07 |
| chr14      | 38744001       | 38749000     | 2.31E-07 |
| chr14      | 38924001       | 38929000     | 0.000676565 |
| chr14      | 38972001       | 38977000     | 0.0001682671 |
| chr14      | 38975001       | 38980000     | 7.82E-07 |
| chr14      | 39105001       | 39110000     | 5.86E-11 |
| chr14      | 39106001       | 39111000     | 8.67E-12 |
| chr14      | 39181001       | 39186000     | 7.31E-05 |
| chr14      | 39184001       | 39189000     | 0.000608524 |
| chr14      | 39185001       | 39190000     | 0.000127803 |
| chr14      | 39190001       | 39195000     | 0.000361326 |
| chr14      | 39330001       | 39335000     | 1.13E-09 |
| chr14      | 39332001       | 39337000     | 2.82E-10 |
| chr14      | 39333001       | 39338000     | 3.43E-11 |
| chr14      | 39334001       | 39339000     | 1.28E-07 |
| chr14      | 39367001       | 39372000     | 0.00149772 |
| chr14      | 39569001       | 39574000     | 6.19E-22 |
| chr14      | 39572001       | 39577000     | 2.74E-24 |
| chr14      | 39640001       | 39645000     | 5.76E-17 |
| chr14      | 39731001       | 39736000     | 8.33E-27 |
| chr14      | 39732001       | 39737000     | 2.73E-70 |
| Chromosome | Start | End   | p-value  |
|------------|-------|-------|----------|
| chr14      | 39730001 | 39780000 | 4.54E-62 |
| chr14      | 39736001 | 39741000 | 2.85E-27 |
| chr14      | 39901001 | 39906000 | 4.37E-25 |
| chr14      | 39902001 | 39907000 | 1.90E-24 |
| chr14      | 40010001 | 40015000 | 1.66E-05 |
| chr14      | 40014001 | 40019000 | 3.88E-06 |
| chr14      | 40042001 | 40047000 | 0.003219206 |
| chr14      | 40228001 | 40233000 | 5.66E-08 |
| chr14      | 40229001 | 40234000 | 5.34E-10 |
| chr14      | 40230001 | 40235000 | 9.84E-11 |
| chr14      | 40316001 | 40321000 | 0.00168731 |
| chr14      | 40348001 | 40353000 | 1.94E-05 |
| chr14      | 40368001 | 40373000 | 4.74E-05 |
| chr14      | 40410001 | 40415000 | 0.000323524 |
| chr14      | 40411001 | 40416000 | 0.00269487 |
| chr14      | 40525001 | 40530000 | 7.59E-05 |
| chr14      | 40526001 | 40531000 | 0.00017316 |
| chr14      | 40527001 | 40532000 | 2.31E-06 |
| chr14      | 40528001 | 40533000 | 4.08E-06 |
| chr14      | 40529001 | 40534000 | 0.000179002 |
| chr14      | 40530001 | 40535000 | 0.00081562 |
| chr14      | 41063001 | 41068000 | 7.58E-07 |
| chr14      | 41145001 | 41150000 | 4.12E-05 |
| chr14      | 41293001 | 41298000 | 7.60E-05 |
| chr14      | 41325001 | 41330000 | 0.000787187 |
| chr14      | 41327001 | 41332000 | 0.017437389 |
| chr14      | 41529001 | 41534000 | 0.000149168 |
| chr14      | 41530001 | 41535000 | 0.000570323 |
| chr14      | 41944001 | 41949000 | 0.000463065 |
| chr14      | 41945001 | 41950000 | 0.000294931 |
| chr14      | 42079001 | 42084000 | 5.46E-13 |
| chr14      | 42086001 | 42091000 | 0.018103639 |
| chr14      | 42087001 | 42092000 | 0.016721725 |
| chr14      | 42098001 | 42103000 | 5.33E-06 |
| chr14      | 42839001 | 42844000 | 0.000193708 |
| chr14      | 43116001 | 43121000 | 0.00019275 |
| chr14      | 43403001 | 43408000 | 4.44E-08 |
| chr14      | 43404001 | 43409000 | 3.43E-09 |
| chr14      | 43405001 | 43410000 | 3.44E-08 |
| chr14      | 43406001 | 43411000 | 1.62E-07 |
| chr14      | 43974001 | 43979000 | 2.44E-17 |
| chr14      | 43975001 | 43980000 | 1.07E-13 |
| chr14      | 43976001 | 43981000 | 1.41E-08 |
| chr14      | 43977001 | 43982000 | 3.50E-09 |
| chr14      | 43978001 | 43983000 | 4.60E-08 |
| chr14      | 44013001 | 44018000 | 0.000121859 |
| chr14      | 44014001 | 44019000 | 0.000108473 |
| chr14      | 44015001 | 44020000 | 3.58E-05 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr14      | 44275001       | 44280000     | 7.33E-08|
| chr14      | 44276001       | 44281000     | 1.51E-06|
| chr14      | 44280001       | 44283000     | 0.001140508|
| chr14      | 44604001       | 44609000     | 0.02655494|
| chr14      | 44605001       | 44610000     | 0.026738093|
| chr14      | 44650001       | 44670000     | 0.000212544|
| chr14      | 44667001       | 44672000     | 0.00015177|
| chr14      | 44669001       | 44674000     | 1.27E-09|
| chr14      | 44686001       | 44691000     | 0.001829683|
| chr14      | 44688001       | 44693000     | 0.000149738|
| chr14      | 44689001       | 44694000     | 3.44E-05|
| chr14      | 45169001       | 45174000     | 0.023887652|
| chr14      | 45362001       | 45367000     | 6.96E-71|
| chr14      | 45363001       | 45368000     | 6.01E-52|
| chr14      | 45364001       | 45369000     | 6.39E-48|
| chr14      | 45365001       | 45370000     | 5.97E-61|
| chr14      | 45366001       | 45371000     | 3.29E-70|
| chr14      | 45367001       | 45372000     | 5.96E-30|
| chr14      | 45377001       | 45382000     | 3.86E-19|
| chr14      | 45378001       | 45383000     | 1.23E-27|
| chr14      | 45379001       | 45384000     | 3.01E-30|
| chr14      | 45380001       | 45385000     | 6.54E-23|
| chr14      | 45381001       | 45386000     | 4.07E-22|
| chr14      | 45382001       | 45387000     | 2.17E-15|
| chr14      | 45722001       | 45727000     | 2.71E-33|
| chr14      | 45847001       | 45852000     | 0.005582216|
| chr14      | 46009001       | 46014000     | 0.005241147|
| chr14      | 46081001       | 46086000     | 0.002453476|
| chr14      | 46205001       | 46210000     | 7.24E-05|
| chr14      | 46206001       | 46211000     | 2.36E-05|
| chr14      | 46207001       | 46212000     | 0.001391356|
| chr14      | 46208001       | 46213000     | 0.003544722|
| chr14      | 46687001       | 46692000     | 5.28E-06|
| chr14      | 46688001       | 46693000     | 7.64E-07|
| chr14      | 46760001       | 46765000     | 0.005170293|
| chr14      | 47225001       | 47230000     | 0.000646987|
| chr14      | 47233001       | 47238000     | 0.019409002|
| chr14      | 47586001       | 47591000     | 0.000510607|
| chr14      | 47613001       | 47618000     | 0.000274384|
| chr14      | 47614001       | 47619000     | 0.000713793|
| chr14      | 47615001       | 47620000     | 2.18E-05|
| chr14      | 47616001       | 47621000     | 1.39E-05|
| chr14      | 47617001       | 47622000     | 0.000443887|
| chr14      | 49407001       | 49412000     | 2.03E-06|
| chr14      | 50061001       | 50066000     | 1.86E-33|
| chr14      | 50062001       | 50067000     | 3.88E-43|
| chr14      | 50066001       | 50071000     | 2.92E-14|
| chr14      | 50096001       | 50101000     | 5.76E-50|
| Chromosome | Start Position | End Position | Log-10 P-Value |
|------------|----------------|--------------|----------------|
| chr14      | 50150001       | 50155000     | 1.57E-17       |
| chr14      | 50356001       | 50361000     | 2.31E-54       |
| chr14      | 50694001       | 50699000     | 1.76E-82       |
| chr14      | 50695001       | 50700000     | 1.82E-51       |
| chr14      | 50697001       | 50702000     | 1.82E-41       |
| chr14      | 50698001       | 50703000     | 9.95E-62       |
| chr14      | 50859001       | 50864000     | 1.55E-15       |
| chr14      | 50860001       | 50865000     | 2.82E-11       |
| chr14      | 50861001       | 50866000     | 4.99E-25       |
| chr14      | 50862001       | 50867000     | 3.26E-21       |
| chr14      | 50863001       | 50868000     | 8.56E-28       |
| chr14      | 50994001       | 50999000     | 1.02E-41       |
| chr14      | 51032001       | 51037000     | 0.000785903    |
| chr14      | 51292001       | 51297000     | 2.90E-41       |
| chr14      | 51293001       | 51298000     | 1.48E-70       |
| chr14      | 51294001       | 51299000     | 3.00E-44       |
| chr14      | 51295001       | 51300000     | 1.39E-51       |
| chr14      | 51296001       | 51301000     | 2.66E-35       |
| chr14      | 51297001       | 51302000     | 3.72E-47       |
| chr14      | 51298001       | 51303000     | 2.01E-27       |
| chr14      | 51406001       | 51411000     | 6.20E-42       |
| chr14      | 51407001       | 51412000     | 3.66E-27       |
| chr14      | 51408001       | 51413000     | 3.43E-35       |
| chr14      | 51898001       | 51903000     | 0.00486411     |
| chr14      | 52113001       | 52118000     | 6.47E-26       |
| chr14      | 52114001       | 52119000     | 2.94E-70       |
| chr14      | 52115001       | 52120000     | 2.67E-47       |
| chr14      | 52455001       | 52460000     | 4.93E-55       |
| chr14      | 52456001       | 52461000     | 1.17E-55       |
| chr14      | 52531001       | 52536000     | 6.09E-33       |
| chr14      | 53019001       | 53024000     | 4.34E-72       |
| chr14      | 53020001       | 53025000     | 1.26E-58       |
| chr14      | 53157001       | 53162000     | 1.51E-18       |
| chr14      | 53253001       | 53258000     | 8.90E-30       |
| chr14      | 53254001       | 53259000     | 2.10E-42       |
| chr14      | 53255001       | 53260000     | 6.75E-43       |
| chr14      | 53258001       | 53263000     | 3.89E-22       |
| chr14      | 53614001       | 53619000     | 2.88E-48       |
| chr14      | 53615001       | 53620000     | 2.91E-98       |
| chr14      | 53616001       | 53621000     | 9.84E-79       |
| chr14      | 53617001       | 53622000     | 9.21E-96       |
| chr14      | 53618001       | 53623000     | 1.04E-64       |
| chr14      | 53619001       | 53624000     | 2.29E-83       |
| chr14      | 53620001       | 53625000     | 1.42E-31       |
| chr14      | 53684001       | 53689000     | 3.32E-26       |
| chr14      | 53866001       | 53871000     | 2.74E-05       |
| chr14      | 53867001       | 53872000     | 2.29E-05       |
| chr14      | 53869001       | 53874000     | 0.004782192    |
| chr14 | 53870001 | 53875000 | 0.008347101 |
| chr14 | 54423001 | 54428000 | 1.93E-13   |
| chr14 | 54861001 | 54866000 | 1.05E-38   |
| chr14 | 54862001 | 54867000 | 2.11E-59   |
| chr14 | 54863001 | 54868000 | 2.48E-47   |
| chr14 | 54903001 | 54908000 | 9.47E-81   |
| chr14 | 55364001 | 55369000 | 9.40E-13   |
| chr14 | 55365001 | 55370000 | 9.47E-81   |
| chr14 | 55369001 | 55374000 | 8.56E-60   |
| chr14 | 55489001 | 55494000 | 5.77E-40   |
| chr14 | 55514001 | 55519000 | 5.53E-49   |
| chr14 | 55517001 | 55522000 | 9.63E-67   |
| chr14 | 55518001 | 55523000 | 1.17E-81   |
| chr14 | 55734001 | 55739000 | 7.74E-24   |
| chr14 | 55878001 | 55883000 | 6.77E-46   |
| chr14 | 56555001 | 56560000 | 1.14E-05   |
| chr14 | 56557001 | 56562000 | 7.34E-05   |
| chr14 | 56580001 | 56585000 | 3.28E-25   |
| chr14 | 56698001 | 56703000 | 3.28E-11   |
| chr14 | 56699001 | 56704000 | 4.30E-12   |
| chr14 | 56778001 | 56783000 | 0.000241034|
| chr14 | 56779001 | 56784000 | 6.53E-05   |
| chr14 | 56780001 | 56785000 | 6.94E-08   |
| chr14 | 56853001 | 56858000 | 1.14E-05   |
| chr14 | 57042001 | 57047000 | 3.28E-25   |
| chr14 | 57286001 | 57291000 | 4.38E-05   |
| chr14 | 57287001 | 57292000 | 1.75E-05   |
| chr14 | 57288001 | 57293000 | 1.13E-06   |
| chr14 | 57289001 | 57294000 | 1.59E-06   |
| chr14 | 57290001 | 57295000 | 4.62E-14   |
| chr14 | 57291001 | 57296000 | 9.40E-29   |
| chr14 | 57292001 | 57297000 | 1.75E-05   |
| chr14 | 57293001 | 57298000 | 1.13E-06   |
| chr14 | 57294001 | 57299000 | 1.59E-06   |
| chr14 | 57295001 | 57300000 | 4.62E-14   |
| chr14 | 57494001 | 57499000 | 0.000241034|
| chr14 | 57779001 | 57784000 | 0.0001806456|
| chr14 | 57780001 | 57785000 | 0.000398341|
| chr14 | 57781001 | 57786000 | 0.001803745|
| chr14 | 57857001 | 57862000 | 1.04E-60   |
| chr14 | 57858001 | 57863000 | 9.40E-29   |
| chr14 | 57859001 | 57864000 | 9.40E-29   |
| chr14 | 57935001 | 57940000 | 0.0001803745|
| chr14 | 57936001 | 57941000 | 6.60E-07   |
| chr14 | 57977001 | 57982000 | 7.81E-06   |
| chr14 | 58005001 | 58010000 | 1.29E-15   |
| chr14 | 58006001 | 58011000 | 5.23E-16   |
| chr14 | 58007001 | 58012000 | 1.41E-22   |
| chr14 | 58008001 | 58013000 | 5.42E-19   |
| chr14 | 58009001 | 58014000 | 6.97E-18   |
| chr14 | 58016001 | 58021000 | 3.65E-07   |
| chr14 | 58086001 | 58091000 | 4.62E-14   |
| chr14 | 58089001 | 58094000 | 4.51E-12   |
| chr14 | 58090001 | 58095000 | 1.77E-15   |
| Chromosome | Start | End   | P-value          |
|------------|-------|-------|------------------|
| chr14      | 58091001 | 58096000 | 1.80E-09        |
| chr14      | 58107001 | 58112000 | 0.008821745     |
| chr14      | 58163001 | 58168000 | 7.89E-06        |
| chr14      | 58180001 | 58185000 | 4.43E-07        |
| chr14      | 58181001 | 58186000 | 4.18E-07        |
| chr14      | 58183001 | 58188000 | 4.04E-07        |
| chr14      | 58185001 | 58190000 | 0.00062795      |
| chr14      | 58186001 | 58191000 | 0.00102884      |
| chr14      | 58187001 | 58192000 | 3.46E-05        |
| chr14      | 58232001 | 58237000 | 0.00018204      |
| chr14      | 58233001 | 58238000 | 2.99E-05        |
| chr14      | 58234001 | 58239000 | 2.09E-06        |
| chr14      | 58235001 | 58240000 | 4.75E-07        |
| chr14      | 58269001 | 58274000 | 2.82E-06        |
| chr14      | 58270001 | 58275000 | 4.64E-05        |
| chr14      | 58284001 | 58289000 | 0.001069479     |
| chr14      | 58337001 | 58342000 | 1.03E-05        |
| chr14      | 58338001 | 58343000 | 1.76E-05        |
| chr14      | 58339001 | 58344000 | 3.64E-09        |
| chr14      | 58340001 | 58345000 | 3.83E-05        |
| chr14      | 58341001 | 58346000 | 9.94E-07        |
| chr14      | 58342001 | 58347000 | 3.53E-05        |
| chr14      | 58343001 | 58348000 | 0.000186304     |
| chr14      | 58456001 | 58461000 | 1.04E-07        |
| chr14      | 58457001 | 58462000 | 2.87E-06        |
| chr14      | 58458001 | 58463000 | 2.18E-06        |
| chr14      | 58459001 | 58464000 | 7.91E-06        |
| chr14      | 58460001 | 58465000 | 4.54E-05        |
| chr14      | 58461001 | 58466000 | 0.000171888     |
| chr14      | 58476001 | 58481000 | 5.24E-08        |
| chr14      | 58477001 | 58482000 | 8.21E-11        |
| chr14      | 58478001 | 58483000 | 6.26E-13        |
| chr14      | 58479001 | 58484000 | 6.28E-14        |
| chr14      | 58480001 | 58485000 | 1.04E-13        |
| chr14      | 58481001 | 58486000 | 5.39E-06        |
| chr14      | 58488001 | 58493000 | 0.000302277     |
| chr14      | 58492001 | 58497000 | 1.83E-05        |
| chr14      | 58494001 | 58499000 | 2.57E-05        |
| chr14      | 58516001 | 58521000 | 9.83E-14        |
| chr14      | 58518001 | 58523000 | 2.46E-14        |
| chr14      | 58519001 | 58524000 | 2.73E-11        |
| chr14      | 58554001 | 58559000 | 6.92E-10        |
| chr14      | 58555001 | 58560000 | 1.94E-08        |
| chr14      | 58556001 | 58561000 | 6.25E-08        |
| chr14      | 58557001 | 58562000 | 1.07E-08        |
| chr14      | 58559001 | 58564000 | 3.01E-05        |
| chr14      | 58614001 | 58619000 | 1.35E-33        |
| chr14      | 58616001 | 58621000 | 5.07E-33        |
| Chr  | Start  | End    | P-value  |
|------|--------|--------|----------|
| chr14| 58617001 | 58622000 | 3.45E-62 |
| chr14| 58623000 | 58630000 | 4.04E-06 |
| chr14| 58631000 | 58632000 | 1.51E-07 |
| chr14| 58633000 | 58634000 | 2.96E-12 |
| chr14| 58677000 | 58678000 | 3.49E-45 |
| chr14| 58669000 | 58671000 | 1.14E-33 |
| chr14| 58686000 | 58688000 | 9.01E-13 |
| chr14| 58688000 | 58689000 | 3.27E-24 |
| chr14| 58689000 | 58690000 | 1.15E-23 |
| chr14| 58690000 | 58691000 | 2.57E-27 |
| chr14| 59110000 | 59112000 | 5.05E-23 |
| chr14| 59923000 | 59925000 | 5.94E-77 |
| chr14| 59933000 | 59934000 | 1.46E-50 |
| chr14| 59934000 | 59935000 | 1.06E-47 |
| chr14| 59935000 | 59936000 | 9.29E-22 |
| chr14| 59936000 | 59937000 | 2.91E-27 |
| chr14| 60162000 | 60163000 | 1.59E-08 |
| chr14| 60163000 | 60164000 | 4.37E-06 |
| chr14| 60164000 | 60165000 | 4.73E-05 |
| chr14| 60165000 | 60166000 | 1.01E-05 |
| chr14| 60206000 | 60207000 | 1.39E-05 |
| chr14| 60260000 | 60261000 | 2.12E-05 |
| chr14| 60435000 | 60436000 | 0.000691632 |
| chr14| 60436000 | 60437000 | 0.001112587 |
| chr14| 60437000 | 60438000 | 0.000958037 |
| chr14| 60446000 | 60447000 | 0.011995798 |
| chr14| 60619000 | 60620000 | 0.012130963 |
| chr14| 60637000 | 60638000 | 4.37E-27 |
| chr14| 60964000 | 60965000 | 2.54E-05 |
| chr14| 61189000 | 61190000 | 3.52E-25 |
| chr14| 61190000 | 61191000 | 4.33E-18 |
| chr14| 61191000 | 61192000 | 4.64E-16 |
| chr14| 61193000 | 61194000 | 1.36E-32 |
| chr14| 61194000 | 61195000 | 4.15E-36 |
| chr14| 61195000 | 61196000 | 2.06E-27 |
| chr14| 61357000 | 61358000 | 7.15E-08 |
| chr14| 61448000 | 61449000 | 4.62E-89 |
| chr14| 61449000 | 61450000 | 1.31E-61 |
| chr14| 61450000 | 61451000 | 3.39E-56 |
| chr14| 61451000 | 61452000 | 1.72E-53 |
| chr14| 61452000 | 61453000 | 8.17E-39 |
| chr14| 61453000 | 61454000 | 2.28E-14 |
| chr14| 62162000 | 62163000 | 1.06E-19 |
| Chromosome | Start Position | End Position | Log10(p-value) |
|------------|----------------|-------------|----------------|
| chr14      | 62158001       | 62163000    | 5.29E-63       |
| chr14      | 62159001       | 62164000    | 1.24E-43       |
| chr14      | 62228001       | 62233000    | 2.78E-34       |
| chr14      | 62229001       | 62234000    | 1.06E-42       |
| chr14      | 62556001       | 62561000    | 0.022142218    |
| chr14      | 62675001       | 62680000    | 0.001160942    |
| chr14      | 62681001       | 62686000    | 1.57E-05       |
| chr14      | 62682001       | 62687000    | 5.98E-06       |
| chr14      | 62737001       | 62742000    | 0.015269976    |
| chr14      | 62738001       | 62743000    | 0.007224917    |
| chr14      | 62868001       | 62873000    | 0.000573346    |
| chr14      | 62931001       | 62936000    | 0.000228318    |
| chr14      | 62992001       | 62997000    | 1.59E-05       |
| chr14      | 63203001       | 63208000    | 3.64E-06       |
| chr14      | 63295001       | 63300000    | 0.0031408      |
| chr14      | 63296001       | 63301000    | 0.004355846    |
| chr14      | 63508001       | 63513000    | 2.16E-31       |
| chr14      | 63509001       | 63514000    | 1.20E-24       |
| chr14      | 63539001       | 63544000    | 0.000352411    |
| chr14      | 63692001       | 63697000    | 4.41E-07       |
| chr14      | 63860001       | 63865000    | 3.24E-11       |
| chr14      | 63861001       | 63866000    | 9.76E-15       |
| chr14      | 63862001       | 63867000    | 1.04E-23       |
| chr14      | 64190001       | 64195000    | 8.85E-77       |
| chr14      | 64191001       | 64196000    | 8.69E-63       |
| chr14      | 64756001       | 64761000    | 3.80E-28       |
| chr14      | 64757001       | 64762000    | 5.39E-57       |
| chr14      | 64758001       | 64763000    | 5.57E-40       |
| chr14      | 64759001       | 64764000    | 3.34E-42       |
| chr14      | 64800001       | 64805000    | 2.56E-22       |
| chr14      | 64801001       | 64806000    | 1.11E-37       |
| chr14      | 64802001       | 64807000    | 6.34E-30       |
| chr14      | 64803001       | 64808000    | 1.55E-36       |
| chr14      | 64804001       | 64809000    | 3.53E-35       |
| chr14      | 64805001       | 64810000    | 7.74E-32       |
| chr14      | 64854001       | 64859000    | 8.94E-16       |
| chr14      | 64932001       | 64937000    | 8.19E-27       |
| chr14      | 64977001       | 64982000    | 4.97E-05       |
| chr14      | 65003001       | 65008000    | 1.98E-19       |
| chr14      | 65015001       | 65020000    | 6.39E-11       |
| chr14      | 65342001       | 65347000    | 9.26E-29       |
| chr14      | 65434001       | 65439000    | 1.95E-23       |
| chr14      | 65435001       | 65440000    | 6.64E-30       |
| chr14      | 65436001       | 65441000    | 7.52E-15       |
| chr14      | 65437001       | 65442000    | 2.98E-13       |
| chr14      | 65451001       | 65456000    | 9.70E-39       |
| chr14      | 65452001       | 65457000    | 7.59E-45       |
| chr14      | 65874001       | 65879000    | 1.62E-27       |
|        |         |         |        |
|--------|---------|---------|--------|
| chr14  | 65875001 | 65880000 | 8.71E-42 |
| chr14  | 65879001 | 65884000 | 7.24E-54 |
| chr14  | 65880001 | 65885000 | 1.32E-68 |
| chr14  | 66658001 | 66663000 | 6.93E-06 |
| chr14  | 66660001 | 66665000 | 3.04E-05 |
| chr14  | 66661001 | 66666000 | 0.000260282 |
| chr14  | 66801001 | 66806000 | 4.52E-21 |
| chr14  | 66802001 | 66807000 | 2.00E-18 |
| chr14  | 66803001 | 66808000 | 8.51E-22 |
| chr14  | 66806001 | 66811000 | 0.011618947 |
| chr14  | 66917001 | 66922000 | 0.002980677 |
| chr14  | 66952001 | 66957000 | 3.91E-06 |
| chr14  | 66953001 | 66958000 | 0.001118653 |
| chr14  | 66954001 | 66959000 | 0.000748403 |
| chr14  | 66975001 | 66980000 | 1.85E-71 |
| chr14  | 66976001 | 66981000 | 7.00E-33 |
| chr14  | 66998001 | 67003000 | 0.00011754 |
| chr14  | 67129001 | 67134000 | 5.82E-10 |
| chr14  | 67130001 | 67135000 | 1.19E-08 |
| chr14  | 67174001 | 67179000 | 5.92E-05 |
| chr14  | 67176001 | 67181000 | 0.000575003 |
| chr14  | 67177001 | 67182000 | 1.13E-08 |
| chr14  | 67179001 | 67184000 | 1.82E-08 |
| chr14  | 67186001 | 67191000 | 1.31E-08 |
| chr14  | 67254001 | 67259000 | 3.97E-06 |
| chr14  | 67329001 | 67334000 | 0.011582195 |
| chr14  | 67355001 | 67360000 | 0.00024867 |
| chr14  | 67411001 | 67416000 | 0.001949779 |
| chr14  | 67419001 | 67424000 | 5.94E-11 |
| chr14  | 67978001 | 67983000 | 2.94E-07 |
| chr14  | 67981001 | 67986000 | 0.001075965 |
| chr14  | 67997001 | 68002000 | 1.69E-30 |
| chr14  | 67998001 | 68003000 | 3.65E-30 |
| chr14  | 67999001 | 68004000 | 1.69E-26 |
| chr14  | 68000001 | 68005000 | 2.20E-28 |
| chr14  | 68062001 | 68067000 | 1.61E-18 |
| chr14  | 68137001 | 68142000 | 2.99E-48 |
| chr14  | 68141001 | 68146000 | 9.08E-32 |
| chr14  | 68159001 | 68164000 | 2.17E-19 |
| chr14  | 68162001 | 68167000 | 3.68E-11 |
| chr14  | 68498001 | 68503000 | 4.07E-05 |
| chr14  | 68499001 | 68504000 | 0.00017195 |
| chr14  | 69091001 | 69096000 | 4.68E-26 |
| chr14  | 69092001 | 69097000 | 5.15E-23 |
| chr14  | 69262001 | 69267000 | 2.94E-43 |
| chr14  | 69443001 | 69448000 | 6.53E-29 |
| chr14  | 69596001 | 69601000 | 3.17E-09 |
| chr14  | 69614001 | 69619000 | 4.21E-11 |
| Chr | Start | End   | p-value     |
|-----|-------|-------|-------------|
| chr14 | 69654001 | 69659000 | 1.05E-39   |
| chr14 | 69655001 | 69660000 | 1.57E-35   |
| chr14 | 69656001 | 69661000 | 1.31E-27   |
| chr14 | 69657001 | 69662000 | 4.75E-24   |
| chr14 | 69658001 | 69663000 | 1.06E-20   |
| chr14 | 69860001 | 69865000 | 3.16E-43   |
| chr14 | 69861001 | 69866000 | 8.43E-57   |
| chr14 | 69862001 | 69867000 | 1.08E-44   |
| chr14 | 69863001 | 69868000 | 9.41E-48   |
| chr14 | 70074001 | 70079000 | 6.80E-21   |
| chr14 | 70189001 | 70194000 | 1.23E-11   |
| chr14 | 70190001 | 70195000 | 6.17E-05   |
| chr14 | 70192001 | 70197000 | 1.03E-12   |
| chr14 | 70193001 | 70198000 | 1.33E-16   |
| chr14 | 70651001 | 70656000 | 1.04E-20   |
| chr14 | 70652001 | 70657000 | 4.11E-17   |
| chr14 | 70655001 | 70660000 | 2.44E-32   |
| chr14 | 70714001 | 70719000 | 2.02E-05   |
| chr14 | 70717001 | 70722000 | 1.27E-15   |
| chr14 | 71064001 | 71069000 | 1.89E-19   |
| chr14 | 71065001 | 71070000 | 8.07E-23   |
| chr14 | 71067001 | 71072000 | 1.63E-21   |
| chr14 | 71271001 | 71276000 | 2.00E-89   |
| chr14 | 71272001 | 71277000 | 1.53E-70   |
| chr14 | 71288001 | 71293000 | 3.58E-10   |
| chr14 | 71370001 | 71375000 | 9.06E-95   |
| chr14 | 71371001 | 71376000 | 3.82E-92   |
| chr14 | 71372001 | 71377000 | 1.80E-73   |
| chr14 | 71373001 | 71378000 | 1.14E-44   |
| chr14 | 71374001 | 71379000 | 2.59E-43   |
| chr14 | 71375001 | 71380000 | 2.98E-30   |
| chr14 | 71757001 | 71762000 | 8.23E-08   |
| chr14 | 71787001 | 71792000 | 1.44E-62   |
| chr14 | 71788001 | 71793000 | 5.84E-24   |
| chr14 | 72007001 | 72012000 | 2.02E-13   |
| chr14 | 72008001 | 72013000 | 6.08E-14   |
| chr14 | 72009001 | 72014000 | 3.05E-11   |
| chr14 | 72259001 | 72264000 | 8.30E-05   |
| chr14 | 72327001 | 72332000 | 1.18E-05   |
| chr14 | 72328001 | 72333000 | 0.000102005|
| chr14 | 72329001 | 72334000 | 6.54E-05   |
| chr14 | 72345001 | 72350000 | 5.04E-09   |
| chr14 | 72385001 | 72390000 | 0.000193624|
| chr14 | 72394001 | 72399000 | 1.79E-20   |
| chr14 | 72395001 | 72400000 | 1.06E-28   |
| chr14 | 72559001 | 72564000 | 5.76E-09   |
| chr14 | 72816001 | 72821000 | 0.000384335|
| chr14 | 72831001 | 72836000 | 1.58E-06   |
| chr14 | 72833001 | 72838000 | 0.000441201 |
| chr14 | 73489001 | 73494000 | 6.08E-15   |
| chr14 | 73490001 | 73495000 | 1.29E-13   |
| chr14 | 73492001 | 73497000 | 4.47E-12   |
| chr14 | 73920001 | 73925000 | 5.10E-20   |
| chr14 | 73953001 | 73958000 | 5.61E-18   |
| chr14 | 74054001 | 74059000 | 6.84E-08   |
| chr14 | 74058001 | 74063000 | 3.08E-21   |
| chr14 | 74107001 | 74112000 | 2.45E-20   |
| chr14 | 74108001 | 74113000 | 3.28E-18   |
| chr14 | 74110001 | 74115000 | 1.29E-32   |
| chr14 | 74111001 | 74116000 | 2.46E-23   |
| chr14 | 74180001 | 74185000 | 1.06E-17   |
| chr14 | 74349001 | 74354000 | 8.68E-21   |
| chr14 | 74350001 | 74355000 | 3.28E-19   |
| chr14 | 74486001 | 74491000 | 5.60E-08   |
| chr14 | 74888001 | 74893000 | 0.000871286|
| chr14 | 75078001 | 75083000 | 1.86E-18   |
| chr14 | 75175001 | 75180000 | 1.50E-14   |
| chr14 | 75420001 | 75425000 | 7.04E-15   |
| chr14 | 75421001 | 75426000 | 5.91E-19   |
| chr14 | 75422001 | 75427000 | 1.21E-13   |
| chr14 | 75465001 | 75470000 | 1.82E-50   |
| chr14 | 75466001 | 75471000 | 2.38E-49   |
| chr14 | 75467001 | 75472000 | 1.28E-32   |
| chr14 | 75468001 | 75473000 | 1.20E-43   |
| chr14 | 75469001 | 75474000 | 7.21E-45   |
| chr14 | 75470001 | 75475000 | 6.26E-22   |
| chr14 | 75513001 | 75518000 | 1.51E-40   |
| chr14 | 75514001 | 75519000 | 7.62E-45   |
| chr14 | 75515001 | 75520000 | 7.50E-28   |
| chr14 | 75589001 | 75594000 | 1.89E-32   |
| chr14 | 75721001 | 75726000 | 1.54E-14   |
| chr14 | 75745001 | 75750000 | 7.92E-20   |
| chr14 | 76123001 | 76128000 | 3.18E-18   |
| chr14 | 76127001 | 76132000 | 3.95E-32   |
| chr14 | 76449001 | 76454000 | 4.55E-23   |
| chr14 | 76451001 | 76456000 | 5.22E-15   |
| chr14 | 76452001 | 76457000 | 1.67E-18   |
| chr14 | 76603001 | 76608000 | 2.14E-20   |
| chr14 | 76604001 | 76609000 | 4.79E-27   |
| chr14 | 76605001 | 76610000 | 2.05E-21   |
| chr14 | 77418001 | 77423000 | 2.53E-06   |
| chr14 | 77560001 | 77565000 | 2.03E-44   |
| chr14 | 77564001 | 77569000 | 3.08E-29   |
| chr14 | 77782001 | 77787000 | 7.61E-27   |
| chr14 | 77838001 | 77843000 | 1.18E-23   |
| chr14 | 77839001 | 77844000 | 1.05E-64   |
| Chr14 | Start | End   | P-value      |
|-------|-------|-------|--------------|
| chr14 | 77840 | 77845 | 2.31E-61     |
| chr14 | 77842 | 77847 | 1.27E-21     |
| chr14 | 77843 | 77848 | 2.58E-31     |
| chr14 | 77961 | 77966 | 2.63E-25     |
| chr14 | 77962 | 77967 | 9.40E-21     |
| chr14 | 77963 | 77968 | 1.33E-13     |
| chr14 | 77964 | 77969 | 2.59E-35     |
| chr14 | 77965 | 77970 | 3.56E-56     |
| chr14 | 78263 | 78268 | 2.43E-14     |
| chr14 | 78264 | 78269 | 1.38E-13     |
| chr14 | 79284 | 79289 | 4.41E-06     |
| chr14 | 79285 | 79290 | 1.11E-06     |
| chr14 | 79286 | 79291 | 6.45E-06     |
| chr14 | 79571 | 79576 | 2.41E-05     |
| chr14 | 79572 | 79577 | 0.000103624  |
| chr14 | 79675 | 79680 | 0.001738542  |
| chr14 | 79676 | 79681 | 0.00225403   |
| chr14 | 79696 | 79701 | 5.94E-05     |
| chr14 | 79748 | 79753 | 1.95E-05     |
| chr14 | 79959 | 79964 | 0.001014282  |
| chr14 | 80175 | 80180 | 4.77E-05     |
| chr14 | 80261 | 80266 | 0.000779575  |
| chr14 | 80263 | 80268 | 0.01535821   |
| chr14 | 80265 | 80270 | 7.67E-05     |
| chr14 | 80334 | 80339 | 0.004144949  |
| chr14 | 80335 | 80340 | 0.001518997  |
| chr14 | 81403 | 81408 | 2.29E-16     |
| chr14 | 81467 | 81472 | 0.00315993   |
| chr14 | 81504 | 81509 | 0.001831686  |
| chr14 | 81632 | 81637 | 4.47E-22     |
| chr14 | 81995 | 82000 | 2.22E-18     |
| chr14 | 81996 | 82001 | 4.46E-48     |
| chr14 | 82049 | 82054 | 3.38E-05     |
| chr14 | 82050 | 82055 | 8.23E-05     |
| chr14 | 82118 | 82123 | 0.000160785  |
| chr14 | 82119 | 82124 | 0.000386279  |
| chr14 | 82120 | 82125 | 0.003120852  |
| chr14 | 82839 | 82844 | 0.002155572  |
| chr14 | 82840 | 82845 | 0.006824862  |
| chr14 | 82859 | 82864 | 0.02747562   |
| chr14 | 83236 | 83241 | 0.000501115  |
| chr14 | 83479 | 83484 | 0.007412489  |
| chr14 | 83583 | 83588 | 0.000915554  |
| chr14 | 83584 | 83589 | 0.000751054  |
| chr14 | 83744 | 83749 | 0.00015602   |
| chr14 | 83745 | 83750 | 0.000114291  |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr14      | 83746001       | 83751000     | 0.000167678 |
| chr14      | 83747001       | 83752000     | 4.27E-06   |
| chr14      | 84727001       | 84732000     | 6.65E-08   |
| chr14      | 84912001       | 84917000     | 0.005210389 |
| chr14      | 85999001       | 86004000     | 2.37E-55   |
| chr14      | 86000001       | 86005000     | 8.45E-41   |
| chr14      | 86149001       | 86154000     | 0.001270966 |
| chr14      | 86178001       | 86183000     | 3.08E-08   |
| chr14      | 87044001       | 87049000     | 6.02E-06   |
| chr14      | 87630001       | 87635000     | 6.02E-06   |
| chr14      | 88459001       | 88464000     | 2.17E-34   |
| chr14      | 88488001       | 88493000     | 1.29E-08   |
| chr14      | 88551001       | 88556000     | 0.002279548 |
| chr14      | 88612001       | 88617000     | 9.37E-15   |
| chr14      | 88613001       | 88618000     | 2.97E-13   |
| chr14      | 88614001       | 88619000     | 1.82E-06   |
| chr14      | 88688001       | 88693000     | 3.89E-06   |
| chr14      | 88689001       | 88694000     | 4.51E-06   |
| chr14      | 88700001       | 88705000     | 4.44E-05   |
| chr14      | 88701001       | 88706000     | 3.38E-07   |
| chr14      | 88702001       | 88707000     | 3.45E-15   |
| chr14      | 88703001       | 88708000     | 2.74E-10   |
| chr14      | 88748001       | 88753000     | 6.90E-10   |
| chr14      | 88749001       | 88754000     | 1.87E-10   |
| chr14      | 88751001       | 88756000     | 1.25E-07   |
| chr14      | 88760001       | 88765000     | 3.75E-08   |
| chr14      | 88761001       | 88766000     | 4.62E-07   |
| chr14      | 88764001       | 88769000     | 1.68E-10   |
| chr14      | 88802001       | 88807000     | 0.00383022 |
| chr14      | 88849001       | 88854000     | 2.48E-42   |
| chr14      | 88850001       | 88855000     | 1.11E-46   |
| chr14      | 88851001       | 88856000     | 9.85E-48   |
| chr14      | 88852001       | 88857000     | 2.94E-28   |
| chr14      | 89181001       | 89186000     | 1.87E-07   |
| chr14      | 89182001       | 89187000     | 9.04E-07   |
| chr14      | 89254001       | 89259000     | 1.76E-32   |
| chr14      | 89257001       | 89262000     | 5.71E-70   |
| chr14      | 89258001       | 89263000     | 5.75E-56   |
| chr14      | 89259001       | 89264000     | 2.65E-44   |
| chr14      | 90065001       | 90070000     | 1.17E-08   |
| chr14      | 90163001       | 90168000     | 5.25E-23   |
| chr14      | 90164001       | 90169000     | 8.56E-38   |
| chr14      | 90395001       | 90400000     | 6.24E-05   |
| chr14      | 90416001       | 90421000     | 8.18E-16   |
| chr14      | 90422001       | 90427000     | 3.12E-16   |
| chr14      | 90858001       | 90863000     | 3.45E-18   |
| chr14      | 90859001       | 90864000     | 1.01E-71   |
| chr14 | 90860001 | 90865000 | 3.04E-64 |
|-------|----------|----------|----------|
| chr14 | 90861001 | 90866000 | 7.78E-39 |
| chr14 | 91220001 | 91225000 | 2.01E-17 |
| chr14 | 91278001 | 91283000 | 1.64E-19 |
| chr14 | 91279001 | 91284000 | 1.70E-22 |
| chr14 | 91282001 | 91287000 | 1.40E-11 |
| chr14 | 91522001 | 91527000 | 1.01E-39 |
| chr14 | 91884001 | 91889000 | 2.95E-33 |
| chr14 | 91976001 | 91981000 | 1.98E-20 |
| chr14 | 91977001 | 91982000 | 5.03E-13 |
| chr14 | 92003001 | 92008000 | 0.007685091 |
| chr14 | 92036001 | 92041000 | 1.16E-21 |
| chr14 | 92037001 | 92042000 | 9.39E-12 |
| chr14 | 92119001 | 92124000 | 1.17E-06 |
| chr14 | 92120001 | 92125000 | 2.82E-07 |
| chr14 | 92121001 | 92126000 | 9.95E-06 |
| chr14 | 92122001 | 92127000 | 4.78E-06 |
| chr14 | 92176001 | 92181000 | 0.005081229 |
| chr14 | 92177001 | 92182000 | 4.11E-06 |
| chr14 | 92179001 | 92184000 | 2.29E-06 |
| chr14 | 92239001 | 92244000 | 0.000398035 |
| chr14 | 92240001 | 92245000 | 4.04E-05 |
| chr14 | 92254001 | 92259000 | 7.36E-10 |
| chr14 | 92285001 | 92290000 | 1.41E-08 |
| chr14 | 92286001 | 92291000 | 1.75E-09 |
| chr14 | 92298001 | 92303000 | 4.24E-49 |
| chr14 | 92299001 | 92304000 | 1.23E-41 |
| chr14 | 92300001 | 92305000 | 1.60E-37 |
| chr14 | 92301001 | 92306000 | 1.36E-33 |
| chr14 | 92302001 | 92307000 | 1.33E-28 |
| chr14 | 92980001 | 92985000 | 3.53E-14 |
| chr14 | 93210001 | 93215000 | 2.24E-28 |
| chr14 | 93211001 | 93216000 | 1.49E-26 |
| chr14 | 93260001 | 93265000 | 6.44E-19 |
| chr14 | 93581001 | 93586000 | 2.95E-17 |
| chr14 | 93646001 | 93651000 | 2.14E-28 |
| chr14 | 93647001 | 93652000 | 2.43E-63 |
| chr14 | 93648001 | 93653000 | 5.08E-51 |
| chr14 | 93649001 | 93654000 | 9.49E-74 |
| chr14 | 93650001 | 93655000 | 2.34E-51 |
| chr14 | 93651001 | 93656000 | 4.69E-58 |
| chr14 | 93669001 | 93674000 | 6.22E-49 |
| chr14 | 93670001 | 93675000 | 5.31E-32 |
| chr14 | 93798001 | 93803000 | 5.93E-35 |
| chr14 | 93799001 | 93804000 | 1.24E-39 |
| chr14 | 93861001 | 93866000 | 0.000595028 |
| chr14 | 94017001 | 94022000 | 0.000357121 |
| chr14 | 94546001 | 94551000 | 1.86E-38 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr14      | 94547001       | 94552000     | 4.66E-44|
| chr14      | 94641001       | 94646000     | 3.91E-26|
| chr14      | 94906001       | 94911000     | 1.12E-09|
| chr14      | 94907001       | 94912000     | 6.00E-11|
| chr14      | 94908001       | 94913000     | 3.23E-09|
| chr14      | 95451001       | 95456000     | 0.000137463 |
| chr14      | 95451001       | 95456000     | 0.000137463 |
| chr14      | 95619001       | 95624000     | 1.77E-52 |
| chr14      | 95620001       | 95625000     | 1.19E-57 |
| chr14      | 95621001       | 95626000     | 2.78E-64 |
| chr14      | 95622001       | 95627000     | 9.32E-81 |
| chr14      | 95623001       | 95628000     | 4.52E-81 |
| chr14      | 95624001       | 95629000     | 2.34E-23 |
| chr14      | 95783001       | 95788000     | 8.87E-18 |
| chr14      | 95784001       | 95789000     | 9.82E-13 |
| chr14      | 95785001       | 95790000     | 8.44E-13 |
| chr14      | 95786001       | 95791000     | 1.13E-18 |
| chr14      | 96001001       | 96006000     | 2.21E-71 |
| chr14      | 96287001       | 96292000     | 0.000205363 |
| chr14      | 96288001       | 96293000     | 0.000701016 |
| chr14      | 96853001       | 96858000     | 1.20E-12 |
| chr14      | 96856001       | 96861000     | 9.59E-35 |
| chr14      | 96857001       | 96862000     | 2.82E-33 |
| chr14      | 96858001       | 96863000     | 2.54E-20 |
| chr14      | 97115001       | 97120000     | 2.60E-10 |
| chr14      | 97260001       | 97265000     | 1.05E-20 |
| chr14      | 97261001       | 97266000     | 5.23E-26 |
| chr14      | 97262001       | 97267000     | 1.10E-45 |
| chr14      | 97263001       | 97268000     | 4.18E-42 |
| chr14      | 97264001       | 97269000     | 1.54E-58 |
| chr14      | 97942001       | 97947000     | 3.90E-06 |
| chr14      | 97945001       | 97950000     | 1.54E-05 |
| chr14      | 98200001       | 98205000     | 0.005216233 |
| chr14      | 98212001       | 98217000     | 1.65E-07 |
| chr14      | 98447001       | 98452000     | 3.09E-09 |
| chr14      | 98473001       | 98478000     | 9.06E-06 |
| chr14      | 98479001       | 98484000     | 2.01E-05 |
| chr14      | 98480001       | 98485000     | 0.000134428 |
| chr14      | 98481001       | 98486000     | 8.64E-10 |
| chr14      | 98499001       | 98504000     | 3.65E-15 |
| chr14      | 98500001       | 98505000     | 2.77E-18 |
| chr14      | 98501001       | 98506000     | 6.33E-18 |
| chr14      | 98502001       | 98507000     | 1.36E-11 |
| chr14      | 98503001       | 98508000     | 1.11E-11 |
| chr14      | 98534001       | 98539000     | 1.83E-07 |
| chr14      | 98543001       | 98548000     | 6.30E-13 |
| chr14      | 98544001       | 98549000     | 1.23E-11 |
| chr14      | 98545001       | 98550000     | 2.37E-08 |
| chr14      | 98546001       | 98551000     | 2.55E-08 |
| Chromosome | Start Position | End Position | Score |
|------------|----------------|--------------|-------|
| chr14      | 98547001       | 98552000     | 7.49E-06 |
| chr14      | 98548001       | 98553000     | 0.000340457 |
| chr14      | 98575001       | 98580000     | 0.007565449 |
| chr14      | 98587001       | 98592000     | 0.00176467 |
| chr14      | 98588001       | 98593000     | 6.85E-05 |
| chr14      | 98589001       | 98594000     | 2.65E-05 |
| chr14      | 98590001       | 98595000     | 1.02E-05 |
| chr14      | 98591001       | 98596000     | 5.14E-05 |
| chr14      | 98773001       | 98778000     | 8.11E-05 |
| chr14      | 98792001       | 98797000     | 3.22E-06 |
| chr14      | 98812001       | 98817000     | 3.25E-07 |
| chr14      | 98902001       | 98907000     | 2.25E-05 |
| chr14      | 98903001       | 98908000     | 0.000149708 |
| chr14      | 98987001       | 98992000     | 1.36E-05 |
| chr14      | 99003001       | 99008000     | 2.33E-07 |
| chr14      | 99059001       | 99064000     | 1.09E-15 |
| chr14      | 99060001       | 99065000     | 2.60E-10 |
| chr14      | 99084001       | 99089000     | 0.000159975 |
| chr14      | 99086001       | 99091000     | 6.73E-06 |
| chr14      | 99087001       | 99092000     | 1.27E-09 |
| chr14      | 99088001       | 99093000     | 1.97E-08 |
| chr14      | 99089001       | 99094000     | 3.99E-08 |
| chr14      | 99090001       | 99095000     | 9.78E-06 |
| chr14      | 99155001       | 99160000     | 4.01E-09 |
| chr14      | 99223001       | 99228000     | 2.48E-09 |
| chr14      | 99224001       | 99229000     | 1.53E-10 |
| chr14      | 99225001       | 99230000     | 6.09E-12 |
| chr14      | 99226001       | 99231000     | 3.06E-12 |
| chr14      | 99406001       | 99411000     | 1.15E-05 |
| chr14      | 99433001       | 99438000     | 0.000173626 |
| chr14      | 99434001       | 99439000     | 0.000775404 |
| chr14      | 99598001       | 99603000     | 7.34E-18 |
| chr14      | 99712001       | 99717000     | 9.20E-21 |
| chr14      | 99942001       | 99947000     | 1.56E-44 |
| chr14      | 100070001      | 100075000    | 2.28E-12 |
| chr14      | 100434001      | 100439000    | 3.46E-22 |
| chr14      | 100657001      | 100662000    | 3.14E-13 |
| chr14      | 100658001      | 100663000    | 7.00E-08 |
| chr14      | 100659001      | 100664000    | 1.28E-09 |
| chr14      | 100676001      | 100681000    | 1.99E-15 |
| chr14      | 100677001      | 100682000    | 3.94E-19 |
| chr14      | 100678001      | 100683000    | 9.72E-22 |
| chr14      | 100679001      | 100684000    | 3.13E-11 |
| chr14      | 100751001      | 100756000    | 8.79E-06 |
| chr14      | 100773001      | 100778000    | 2.24E-10 |
| chr14      | 101034001      | 101039000    | 1.36E-12 |
| chr14      | 101760001      | 101765000    | 1.12E-05 |
| chr14      | 101761001      | 101766000    | 3.33E-06 |
| Chr  | Start   | End     | p-Value |
|------|---------|---------|---------|
| chr14| 10222001| 10229000| 1.21E-30|
| chr14| 102829001| 102834000| 1.34E-34|
| chr14| 103242001| 103247000| 5.23E-18|
| chr14| 103243001| 103248000| 2.45E-24|
| chr14| 103244001| 103249000| 2.01E-21|
| chr14| 103385001| 103390000| 6.04E-25|
| chr14| 103386001| 103391000| 7.29E-18|
| chr14| 103387001| 103392000| 5.23E-18|
| chr14| 103388001| 103393000| 2.45E-24|
| chr14| 103389001| 103394000| 2.01E-21|
| chr14| 103519001| 103524000| 1.62E-33|
| chr14| 103520001| 103525000| 1.93E-26|
| chr14| 103522001| 103527000| 4.20E-18|
| chr14| 103523001| 103528000| 1.12E-34|
| chr14| 103524001| 103529000| 2.70E-16|
| chr14| 103741001| 103746000| 2.31E-08|
| chr14| 103801001| 103806000| 1.62E-61|
| chr14| 103987001| 103992000| 1.18E-23|
| chr14| 103988001| 103993000| 1.77E-19|
| chr14| 104024001| 104029000| 1.97E-55|
| chr14| 104094001| 104099000| 3.90E-45|
| chr14| 104095001| 104100000| 4.34E-38|
| chr14| 104182001| 104187000| 1.76E-25|
| chr14| 105267001| 105272000| 1.94E-09|
| chr14| 105310001| 105315000| 7.08E-14|
| chr14| 105630001| 105635000| 7.11E-10|
| chr14| 105631001| 105636000| 1.70E-08|
| chr14| 105632001| 105637000| 8.77E-09|
| chr14| 105710001| 105715000| 4.80E-24|
| chr14| 105711001| 105716000| 3.28E-28|
| chr14| 105712001| 105717000| 2.05E-22|
| chr14| 105713001| 105718000| 5.00E-23|
| chr14| 105714001| 105719000| 3.70E-15|
| chr14| 105762001| 105767000| 6.89E-17|
| chr14| 105763001| 105768000| 4.21E-46|
| chr14| 105764001| 105769000| 4.07E-43|
| chr14| 105765001| 105770000| 7.65E-30|
| chr14| 105766001| 105771000| 7.28E-18|
| chr14| 105873001| 105878000| 1.29E-41|
| chr14| 105874001| 105879000| 3.27E-30|
| chr14| 105875001| 105880000| 2.23E-20|
| chr14| 105876001| 105881000| 1.97E-12|
| chr14| 106556001| 106561000| 0.002347498|
| chr14| 106759001| 106764000| 2.16E-05|
| chr14| 107100001| 107105000| 3.48E-12|
| chr14| 107101001| 107106000| 1.94E-07|
| chr14| 107102001| 107107000| 5.67E-06|
| chr14| 107103001| 107108000| 7.88E-10|
| chr15  | 20196001| 20201000| 1.98E-20|
| chr15  | 20248001| 20253000| 1.92E-05|

**chr**: Chromosome number
**Start**: Start position in base pairs
**End**: End position in base pairs
**p-Value**: Statistical significance of the association, with lower values indicating stronger evidence.
| Chrs | Start | End   | Score   |
|------|-------|-------|---------|
| chr15 | 20507001 | 20512000 | 7.85E-29 |
| chr15 | 20508001 | 20513000 | 2.59E-27 |
| chr15 | 20509001 | 20514000 | 1.28E-35 |
| chr15 | 20593001 | 20598000 | 0.000103208 |
| chr15 | 20634001 | 20639000 | 0.000408508 |
| chr15 | 20659001 | 20664000 | 4.66E-09 |
| chr15 | 20660001 | 20665000 | 4.65E-08 |
| chr15 | 20661001 | 20666000 | 1.14E-07 |
| chr15 | 20662001 | 20667000 | 2.04E-07 |
| chr15 | 20809001 | 20814000 | 8.42E-07 |
| chr15 | 20810001 | 20815000 | 5.29E-07 |
| chr15 | 20811001 | 20816000 | 1.87E-08 |
| chr15 | 20812001 | 20817000 | 4.71E-10 |
| chr15 | 20968001 | 20973000 | 0.006972411 |
| chr15 | 21202001 | 21207000 | 0.001579169 |
| chr15 | 21242001 | 21247000 | 0.000738062 |
| chr15 | 21311001 | 21316000 | 1.46E-19 |
| chr15 | 21312001 | 21317000 | 1.30E-21 |
| chr15 | 21332001 | 21337000 | 0.003647144 |
| chr15 | 21333001 | 21338000 | 0.011911343 |
| chr15 | 21952001 | 21957000 | 3.56E-11 |
| chr15 | 21953001 | 21958000 | 7.32E-12 |
| chr15 | 21954001 | 21959000 | 2.17E-13 |
| chr15 | 22149001 | 22154000 | 2.43E-05 |
| chr15 | 22415001 | 22420000 | 0.000296301 |
| chr15 | 22592001 | 22597000 | 0.004917399 |
| chr15 | 22646001 | 22651000 | 1.47E-23 |
| chr15 | 22647001 | 22652000 | 2.67E-17 |
| chr15 | 22888001 | 22893000 | 5.24E-68 |
| chr15 | 22889001 | 22894000 | 1.88E-87 |
| chr15 | 22890001 | 22895000 | 1.18E-72 |
| chr15 | 22891001 | 22896000 | 1.82E-41 |
| chr15 | 22892001 | 22897000 | 1.74E-43 |
| chr15 | 22893001 | 22898000 | 6.45E-39 |
| chr15 | 23081001 | 23086000 | 5.19E-35 |
| chr15 | 23082001 | 23087000 | 5.66E-44 |
| chr15 | 23083001 | 23088000 | 1.24E-32 |
| chr15 | 23115001 | 23120000 | 6.21E-18 |
| chr15 | 23204001 | 23209000 | 8.53E-55 |
| chr15 | 23205001 | 23210000 | 1.37E-41 |
| chr15 | 23206001 | 23211000 | 4.22E-49 |
| chr15 | 23207001 | 23212000 | 8.26E-52 |
| chr15 | 23208001 | 23213000 | 4.10E-57 |
| chr15 | 23432001 | 23437000 | 0.000737786 |
| chr15 | 23448001 | 23453000 | 2.23E-25 |
| chr15 | 23756001 | 23761000 | 0.003898697 |
| chr15 | 23757001 | 23762000 | 0.01682468 |
| chr15 | 23772001 | 23777000 | 0.000461376 |
| chromosome | start | end   | p-value |
|------------|-------|-------|---------|
| chr15      | 23920001 | 23925000 | 6.09E-11 |
| chr15      | 23921001 | 23926000 | 7.00E-12 |
| chr15      | 24043001 | 24048000 | 5.80E-16 |
| chr15      | 24073001 | 24078000 | 1.19E-10 |
| chr15      | 24089001 | 24094000 | 7.19E-09 |
| chr15      | 24090001 | 24095000 | 1.83E-13 |
| chr15      | 24180001 | 24185000 | 2.06E-10 |
| chr15      | 24256001 | 24261000 | 6.75E-05 |
| chr15      | 24258001 | 24263000 | 7.47E-05 |
| chr15      | 24302001 | 24307000 | 6.00469233 |
| chr15      | 24331001 | 24336000 | 2.48E-07 |
| chr15      | 24332001 | 24337000 | 0.00115752 |
| chr15      | 24358001 | 24363000 | 2.54E-07 |
| chr15      | 24382001 | 24387000 | 6.84E-07 |
| chr15      | 24383001 | 24388000 | 2.74E-05 |
| chr15      | 24384001 | 24389000 | 1.36E-05 |
| chr15      | 24394001 | 24399000 | 0.001767282 |
| chr15      | 24419001 | 24424000 | 7.95E-11 |
| chr15      | 24420001 | 24425000 | 3.73E-10 |
| chr15      | 24421001 | 24426000 | 6.03E-10 |
| chr15      | 24434001 | 24439000 | 0.000529913 |
| chr15      | 24449001 | 24454000 | 8.16E-07 |
| chr15      | 24450001 | 24455000 | 3.82E-07 |
| chr15      | 24451001 | 24456000 | 9.42E-07 |
| chr15      | 24452001 | 24457000 | 0.000120988 |
| chr15      | 24507001 | 24512000 | 3.21E-09 |
| chr15      | 24531001 | 24536000 | 0.001430314 |
| chr15      | 24533001 | 24538000 | 7.54E-07 |
| chr15      | 24609001 | 24614000 | 0.001400551 |
| chr15      | 24617001 | 24622000 | 0.001775163 |
| chr15      | 24618001 | 24623000 | 0.002732067 |
| chr15      | 24659001 | 24664000 | 3.03E-09 |
| chr15      | 24660001 | 24665000 | 1.58E-10 |
| chr15      | 24661001 | 24666000 | 3.20E-10 |
| chr15      | 24701001 | 24706000 | 1.28E-05 |
| chr15      | 24702001 | 24707000 | 1.12E-10 |
| chr15      | 24703001 | 24708000 | 5.51E-15 |
| chr15      | 24704001 | 24709000 | 4.67E-15 |
| chr15      | 24705001 | 24710000 | 2.32E-13 |
| chr15      | 24784001 | 24789000 | 3.33E-15 |
| chr15      | 24785001 | 24790000 | 5.62E-10 |
| chr15      | 24982001 | 24987000 | 0.000471308 |
| chr15      | 25063001 | 25068000 | 2.61E-05 |
| chr15      | 25064001 | 25069000 | 1.52E-07 |
| chr15      | 25111001 | 25116000 | 8.29E-05 |
| chr15      | 25149001 | 25154000 | 3.35E-07 |
| chr15      | 25391001 | 25396000 | 0.008580461 |
| chr15      | 25416001 | 25421000 | 1.01E-12 |
| Chromosome | Start Position | End Position | P-Value     |
|------------|----------------|--------------|-------------|
| chr15      | 25418001       | 25423000     | 9.47E-14    |
| chr15      | 25534001       | 25539000     | 3.50E-08    |
| chr15      | 25535001       | 25540000     | 2.32E-07    |
| chr15      | 25550001       | 25555000     | 9.67E-07    |
| chr15      | 25551001       | 25556000     | 2.44E-05    |
| chr15      | 25558001       | 25563000     | 7.14E-16    |
| chr15      | 25679001       | 25684000     | 1.57E-45    |
| chr15      | 25681001       | 25686000     | 3.20E-55    |
| chr15      | 25682001       | 25687000     | 4.55E-71    |
| chr15      | 25683001       | 25688000     | 2.05E-75    |
| chr15      | 25684001       | 25689000     | 4.54E-50    |
| chr15      | 25807001       | 25812000     | 3.09E-11    |
| chr15      | 25820001       | 25825000     | 0.000743137 |
| chr15      | 25822001       | 25827000     | 6.10E-08    |
| chr15      | 26063001       | 26068000     | 5.46E-05    |
| chr15      | 26156001       | 26161000     | 9.39E-05    |
| chr15      | 26159001       | 26164000     | 1.72E-06    |
| chr15      | 26160001       | 26165000     | 1.52E-05    |
| chr15      | 26162001       | 26167000     | 2.28E-05    |
| chr15      | 26176001       | 26181000     | 5.55E-09    |
| chr15      | 26177001       | 26182000     | 7.71E-20    |
| chr15      | 26178001       | 26183000     | 3.05E-24    |
| chr15      | 26179001       | 26184000     | 9.47E-12    |
| chr15      | 26326001       | 26331000     | 6.61E-29    |
| chr15      | 26327001       | 26332000     | 3.36E-27    |
| chr15      | 26384001       | 26389000     | 2.11E-05    |
| chr15      | 26450001       | 26455000     | 5.83E-08    |
| chr15      | 26592001       | 26597000     | 5.42E-10    |
| chr15      | 26936001       | 26941000     | 5.45E-05    |
| chr15      | 27112001       | 27117000     | 2.49E-48    |
| chr15      | 27235001       | 27240000     | 7.81E-05    |
| chr15      | 27236001       | 27241000     | 2.16E-06    |
| chr15      | 27484001       | 27489000     | 5.52E-05    |
| chr15      | 27714001       | 27719000     | 2.83E-09    |
| chr15      | 27894001       | 27899000     | 0.005048421 |
| chr15      | 28063001       | 28068000     | 2.40E-09    |
| chr15      | 28157001       | 28162000     | 0.000190201 |
| chr15      | 28159001       | 28164000     | 8.11E-05    |
| chr15      | 28160001       | 28165000     | 0.00139322  |
| chr15      | 28215001       | 28220000     | 1.39E-12    |
| chr15      | 28218001       | 28223000     | 4.37E-07    |
| chr15      | 28219001       | 28224000     | 4.86E-08    |
| chr15      | 28220001       | 28225000     | 4.34E-09    |
| chr15      | 28979001       | 28984000     | 6.04E-52    |
| chr15      | 28980001       | 28985000     | 2.05E-33    |
| chr15      | 28981001       | 28986000     | 6.76E-61    |
| chr15      | 28982001       | 28987000     | 7.64E-63    |
| chr15      | 28983001       | 28988000     | 5.21E-67    |
| chr15 | start | end   | p-value     |
|-------|-------|-------|-------------|
| 29016001 | 29021000 | 0.001544683 |
| 29557001 | 29562000 | 4.22E-40 |
| 29967001 | 29972000 | 9.25E-12 |
| 30256001 | 30261000 | 3.37E-17 |
| 30257001 | 30262000 | 1.88E-19 |
| 30258001 | 30263000 | 1.71E-29 |
| 30259001 | 30264000 | 1.66E-28 |
| 30260001 | 30265000 | 4.00E-29 |
| 30261001 | 30266000 | 1.36E-18 |
| 30396001 | 30401000 | 8.37E-18 |
| 30479001 | 30484000 | 6.86E-08 |
| 30485001 | 30490000 | 2.06E-09 |
| 30486001 | 30491000 | 1.34E-10 |
| 30487001 | 30492000 | 4.40E-15 |
| 30518001 | 30523000 | 1.23E-06 |
| 30863001 | 30868000 | 9.94E-15 |
| 30864001 | 30869000 | 9.94E-15 |
| 30918001 | 30923000 | 1.58E-19 |
| 31196001 | 31201000 | 3.77E-41 |
| 31284001 | 31289000 | 6.87E-24 |
| 31508001 | 31513000 | 2.28E-12 |
| 31613001 | 31618000 | 3.72E-17 |
| 31614001 | 31619000 | 6.69E-60 |
| 31615001 | 31620000 | 4.88E-92 |
| 31616001 | 31621000 | 1.27E-46 |
| 31680001 | 31685000 | 4.20E-44 |
| 31681001 | 31686000 | 1.38E-22 |
| 31953001 | 31958000 | 8.78E-09 |
| 32128001 | 32133000 | 8.24E-09 |
| 32160001 | 32165000 | 2.87E-75 |
| 32161001 | 32166000 | 1.18E-82 |
| 32162001 | 32167000 | 1.80E-66 |
| 32175001 | 32180000 | 4.02E-20 |
| 32176001 | 32181000 | 1.74E-17 |
| 32226001 | 32231000 | 3.72E-10 |
| 32286001 | 32291000 | 0.000317281 |
| 32287001 | 32292000 | 1.00E-08 |
| 32298001 | 32303000 | 1.51E-07 |
| 32300001 | 32305000 | 9.85E-05 |
| 32322001 | 32327000 | 1.19E-14 |
| 32369001 | 32374000 | 5.45E-05 |
| 32370001 | 32375000 | 7.11E-05 |
| 32372001 | 32377000 | 0.000334131 |
| 32376001 | 32381000 | 9.72E-05 |
| 32432001 | 32437000 | 7.48E-11 |
| 32433001 | 32438000 | 1.34E-13 |
| 32490001 | 32495000 | 5.06E-09 |
| 32491001 | 32496000 | 9.29E-12 |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr15      | 32492001 | 32497000 | 5.02E-07 |
| chr15      | 32493001 | 32498000 | 3.11E-07 |
| chr15      | 32494001 | 32499000 | 2.07E-06 |
| chr15      | 32716001 | 32721000 | 2.50E-05 |
| chr15      | 32825001 | 32830000 | 3.46E-14 |
| chr15      | 32826001 | 32831000 | 1.96E-22 |
| chr15      | 32827001 | 32832000 | 1.96E-22 |
| chr15      | 32828001 | 32833000 | 2.45E-13 |
| chr15      | 32908001 | 32913000 | 2.35E-18 |
| chr15      | 33486001 | 33491000 | 9.35E-36 |
| chr15      | 33599001 | 33604000 | 1.07E-17 |
| chr15      | 33601001 | 33606000 | 3.97E-40 |
| chr15      | 33602001 | 33607000 | 2.81E-40 |
| chr15      | 33603001 | 33608000 | 1.10E-40 |
| chr15      | 33621001 | 33626000 | 8.03E-07 |
| chr15      | 33644001 | 33649000 | 7.31E-29 |
| chr15      | 33713001 | 33718000 | 3.80E-05 |
| chr15      | 33714001 | 33719000 | 3.00E-06 |
| chr15      | 33716001 | 33721000 | 1.33E-05 |
| chr15      | 33776001 | 33781000 | 2.08E-09 |
| chr15      | 33777001 | 33782000 | 2.76E-12 |
| chr15      | 33778001 | 33783000 | 5.84E-13 |
| chr15      | 33779001 | 33784000 | 2.60E-11 |
| chr15      | 34331001 | 34336000 | 3.44E-46 |
| chr15      | 34389001 | 34394000 | 4.09E-22 |
| chr15      | 34502001 | 34507000 | 7.30E-28 |
| chr15      | 34515001 | 34520000 | 1.87E-29 |
| chr15      | 34601001 | 34606000 | 7.41E-06 |
| chr15      | 34627001 | 34632000 | 6.13E-41 |
| chr15      | 34628001 | 34633000 | 1.83E-41 |
| chr15      | 34629001 | 34634000 | 7.99E-44 |
| chr15      | 34630001 | 34635000 | 4.83E-26 |
| chr15      | 34725001 | 34730000 | 7.96E-07 |
| chr15      | 34728001 | 34733000 | 1.34E-30 |
| chr15      | 34729001 | 34734000 | 5.16E-39 |
| chr15      | 34776001 | 34781000 | 2.50E-05 |
| chr15      | 34794001 | 34799000 | 0.000157852 |
| chr15      | 35833001 | 35838000 | 6.75E-09 |
| chr15      | 35834001 | 35839000 | 4.70E-68 |
| chr15      | 35835001 | 35840000 | 8.61E-71 |
| chr15      | 35836001 | 35841000 | 1.42E-56 |
| chr15      | 35837001 | 35842000 | 8.98E-55 |
| chr15      | 35838001 | 35843000 | 8.82E-71 |
| chr15      | 36041001 | 36046000 | 1.17E-09 |
| chr15      | 36042001 | 36047000 | 9.11E-06 |
| chr15      | 36093001 | 36098000 | 1.54E-07 |
| chr15      | 36094001 | 36099000 | 6.30E-10 |
| chr15      | 36295001 | 36300000 | 0.000862179 |
| Chromosome | Start Position | End Position | Score |
|------------|----------------|--------------|-------|
| chr15      | 36296001       | 36301000     | 0.00842482 |
| chr15      | 36297001       | 36302000     | 0.012062125 |
| chr15      | 36299001       | 36304000     | 0.0070772 |
| chr15      | 36892001       | 36897000     | 0.002379387 |
| chr15      | 36893001       | 36898000     | 0.00612057 |
| chr15      | 37383001       | 37388000     | 2.55E-11 |
| chr15      | 37384001       | 37389000     | 5.37E-17 |
| chr15      | 37723001       | 37728000     | 6.89E-06 |
| chr15      | 37724001       | 37729000     | 0.004376995 |
| chr15      | 37725001       | 37730000     | 0.002248901 |
| chr15      | 37963001       | 37968000     | 1.18E-07 |
| chr15      | 37964001       | 37969000     | 3.87E-06 |
| chr15      | 37971001       | 37976000     | 0.00029104 |
| chr15      | 38273001       | 38278000     | 4.93E-05 |
| chr15      | 38274001       | 38279000     | 1.50E-05 |
| chr15      | 38292001       | 38297000     | 4.78E-05 |
| chr15      | 38427001       | 38432000     | 3.45E-10 |
| chr15      | 38428001       | 38433000     | 2.93E-08 |
| chr15      | 38458001       | 38463000     | 0.000455441 |
| chr15      | 38469001       | 38474000     | 0.000383511 |
| chr15      | 38540001       | 38545000     | 1.26E-48 |
| chr15      | 38541001       | 38546000     | 5.19E-41 |
| chr15      | 38852001       | 38857000     | 2.32E-19 |
| chr15      | 38956001       | 38961000     | 0.001463688 |
| chr15      | 38957001       | 38962000     | 1.23E-06 |
| chr15      | 38969001       | 38974000     | 2.08E-06 |
| chr15      | 39095001       | 39100000     | 7.25E-08 |
| chr15      | 39097001       | 39102000     | 1.70E-05 |
| chr15      | 39143001       | 39148000     | 3.10E-09 |
| chr15      | 39144001       | 39149000     | 4.77E-15 |
| chr15      | 39145001       | 39150000     | 4.95E-12 |
| chr15      | 39379001       | 39384000     | 0.000967411 |
| chr15      | 39868001       | 39873000     | 3.01E-25 |
| chr15      | 39870001       | 39875000     | 6.38E-33 |
| chr15      | 39872001       | 39877000     | 1.41E-29 |
| chr15      | 39873001       | 39878000     | 2.40E-26 |
| chr15      | 40208001       | 40213000     | 1.86E-34 |
| chr15      | 40209001       | 40214000     | 5.37E-50 |
| chr15      | 40210001       | 40215000     | 3.83E-48 |
| chr15      | 40211001       | 40216000     | 5.62E-61 |
| chr15      | 40212001       | 40217000     | 1.34E-62 |
| chr15      | 40213001       | 40218000     | 4.60E-36 |
| chr15      | 40222001       | 40227000     | 1.98E-37 |
| chr15      | 40226001       | 40231000     | 9.16E-30 |
| chr15      | 40326001       | 40331000     | 1.09E-21 |
| chr15      | 40327001       | 40332000     | 2.26E-33 |
| chr15      | 40328001       | 40333000     | 1.91E-32 |
| chr15      | 40330001       | 40335000     | 1.15E-25 |
| chr15 | 40331001 | 40336000 | 5.60E-27 |
| chr15 | 40453001 | 40458000 | 4.77E-20 |
| chr15 | 40527001 | 40532000 | 5.09E-26 |
| chr15 | 40528001 | 40533000 | 4.60E-19 |
| chr15 | 40541001 | 40546000 | 2.13E-08 |
| chr15 | 40542001 | 40547000 | 1.80E-07 |
| chr15 | 40614001 | 40619000 | 3.68E-07 |
| chr15 | 40615001 | 40620000 | 3.05E-24 |
| chr15 | 40616001 | 40621000 | 1.29E-31 |
| chr15 | 40617001 | 40622000 | 4.20E-41 |
| chr15 | 40618001 | 40623000 | 9.82E-21 |
| chr15 | 40619001 | 40624000 | 4.39E-32 |
| chr15 | 40620001 | 40625000 | 5.40E-32 |
| chr15 | 40621001 | 40626000 | 4.40E-30 |
| chr15 | 40622001 | 40627000 | 1.17E-29 |
| chr15 | 40623001 | 40628000 | 1.01E-19 |
| chr15 | 40624001 | 40629000 | 1.76E-32 |
| chr15 | 41095001 | 41100000 | 5.17E-20 |
| chr15 | 41166001 | 41171000 | 3.07E-08 |
| chr15 | 41182001 | 41187000 | 4.41E-07 |
| chr15 | 41186001 | 41191000 | 1.30E-06 |
| chr15 | 41408001 | 41413000 | 6.29E-31 |
| chr15 | 41709001 | 41714000 | 2.60E-18 |
| chr15 | 41909001 | 41914000 | 1.19E-16 |
| chr15 | 41910001 | 41915000 | 3.12E-10 |
| chr15 | 41911001 | 41916000 | 1.00E-14 |
| chr15 | 41912001 | 41917000 | 8.95E-22 |
| chr15 | 41913001 | 41918000 | 3.03E-18 |
| chr15 | 41944001 | 41949000 | 2.25E-10 |
| chr15 | 41948001 | 41953000 | 2.07E-40 |
| chr15 | 41950001 | 41955000 | 4.92E-46 |
| chr15 | 41951001 | 41956000 | 1.49E-51 |
| chr15 | 41952001 | 41957000 | 5.72E-49 |
| chr15 | 41953001 | 41958000 | 8.71E-34 |
| chr15 | 41954001 | 41959000 | 8.51E-31 |
| chr15 | 42062001 | 42067000 | 3.72E-31 |
| chr15 | 42499001 | 42504000 | 6.51E-13 |
| chr15 | 42500001 | 42505000 | 5.81E-12 |
| chr15 | 42836001 | 42841000 | 1.16E-34 |
| chr15 | 42837001 | 42842000 | 2.03E-42 |
| chr15 | 42838001 | 42843000 | 2.70E-27 |
| chr15 | 42840001 | 42845000 | 3.90E-28 |
| chr15 | 42863001 | 42868000 | 3.63E-38 |
| chr15 | 42873001 | 42878000 | 3.74E-11 |
| chr15 | 43024001 | 43029000 | 6.15E-13 |
| chr15 | 43208001 | 43213000 | 6.02E-71 |
| chr15 | 43426001 | 43431000 | 2.94E-16 |
| chr15 | 43478001 | 43483000 | 2.56E-23 |
| Chr  | Start | End   | p-Value   |
|------|-------|-------|-----------|
| chr15| 43618001 | 43623000 | 2.70E-35  |
| chr15| 43659001 | 43664000 | 4.13E-40  |
| chr15| 43660001 | 43665000 | 5.58E-19  |
| chr15| 43661001 | 43666000 | 3.51E-51  |
| chr15| 43662001 | 43667000 | 1.42E-59  |
| chr15| 43663001 | 43668000 | 7.31E-54  |
| chr15| 43781001 | 43786000 | 1.72E-20  |
| chr15| 43782001 | 43787000 | 4.13E-21  |
| chr15| 44487001 | 44492000 | 1.41E-40  |
| chr15| 44580001 | 44585000 | 1.19E-24  |
| chr15| 44581001 | 44586000 | 1.05E-46  |
| chr15| 44716001 | 44721000 | 9.67E-26  |
| chr15| 44827001 | 44832000 | 1.77E-22  |
| chr15| 44828001 | 44833000 | 3.08E-26  |
| chr15| 44829001 | 44834000 | 2.72E-33  |
| chr15| 44951001 | 44956000 | 1.56E-57  |
| chr15| 44999001 | 45004000 | 3.22E-18  |
| chr15| 45215001 | 45220000 | 0.00268188|
| chr15| 45421001 | 45426000 | 8.66E-12  |
| chr15| 45422001 | 45427000 | 1.22E-14  |
| chr15| 45666001 | 45671000 | 2.43E-38  |
| chr15| 45667001 | 45672000 | 5.31E-34  |
| chr15| 45694001 | 45699000 | 3.51E-55  |
| chr15| 45695001 | 45700000 | 1.03E-62  |
| chr15| 45720001 | 45725000 | 8.59E-34  |
| chr15| 45721001 | 45726000 | 1.03E-41  |
| chr15| 45722001 | 45727000 | 4.48E-39  |
| chr15| 45779001 | 45784000 | 0.000432148|
| chr15| 45780001 | 45785000 | 0.002589038|
| chr15| 45810001 | 45815000 | 4.77E-36  |
| chr15| 45811001 | 45816000 | 2.80E-42  |
| chr15| 45813001 | 45818000 | 5.87E-43  |
| chr15| 45814001 | 45819000 | 1.78E-37  |
| chr15| 45815001 | 45820000 | 1.76E-23  |
| chr15| 45923001 | 45928000 | 3.94E-17  |
| chr15| 45930001 | 45935000 | 7.28E-05  |
| chr15| 46247001 | 46252000 | 0.000489714|
| chr15| 46288001 | 46293000 | 0.000352987|
| chr15| 46289001 | 46294000 | 0.000777974|
| chr15| 46290001 | 46295000 | 0.002968289|
| chr15| 46637001 | 46642000 | 0.002447435|
| chr15| 46638001 | 46643000 | 0.000873447|
| chr15| 46850001 | 46855000 | 0.000198521|
| Chr 15 | Start   | End     | p-value       |
|--------|---------|---------|---------------|
| 46864001 | 46869000 | 0.016895979 |
| 47041001 | 47046000 | 0.005182058 |
| 47174001 | 47179000 | 0.000805001 |
| 47295001 | 47300000 | 4.24E-07     |
| 47339001 | 47344000 | 0.001297138  |
| 48005001 | 48010000 | 3.19E-28     |
| 48620001 | 48625000 | 2.99E-27     |
| 48934001 | 48939000 | 3.12E-27     |
| 49099001 | 49104000 | 3.03E-57     |
| 49684001 | 49689000 | 7.90E-13     |
| 50076001 | 50081000 | 6.13E-10     |
| 50123001 | 50128000 | 3.14E-07     |
| 50470001 | 50475000 | 1.40E-48     |
| 50471001 | 50476000 | 2.63E-47     |
| 50472001 | 50477000 | 7.06E-34     |
| Chromosome | Start | End   | P-value    |
|------------|-------|-------|------------|
| chr15      | 50473 | 50478 | 1.57E-22   |
| chr15      | 50474 | 50479 | 3.29E-24   |
| chr15      | 50647 | 50652 | 4.39E-18   |
| chr15      | 50975 | 50980 | 7.13E-24   |
| chr15      | 50979 | 50981 | 2.52E-33   |
| chr15      | 50977 | 50982 | 3.66E-38   |
| chr15      | 50978 | 50983 | 3.18E-42   |
| chr15      | 51382 | 51387 | 7.09E-25   |
| chr15      | 51631 | 51636 | 7.18E-28   |
| chr15      | 51632 | 51637 | 6.52E-32   |
| chr15      | 51633 | 51638 | 7.27E-34   |
| chr15      | 51634 | 51639 | 5.11E-33   |
| chr15      | 51910 | 51915 | 2.22E-50   |
| chr15      | 52025 | 52030 | 5.25E-15   |
| chr15      | 52026 | 52031 | 2.66E-17   |
| chr15      | 52027 | 52032 | 2.91E-17   |
| chr15      | 52028 | 52033 | 2.82E-21   |
| chr15      | 52029 | 52034 | 4.28E-44   |
| chr15      | 52030 | 52035 | 1.16E-25   |
| chr15      | 52041 | 52046 | 2.01E-34   |
| chr15      | 52044 | 52049 | 4.41E-24   |
| chr15      | 52122 | 52127 | 3.97E-32   |
| chr15      | 52262 | 52267 | 3.42E-11   |
| chr15      | 52263 | 52268 | 1.45E-12   |
| chr15      | 52472 | 52477 | 1.38E-23   |
| chr15      | 52586 | 52591 | 4.38E-58   |
| chr15      | 52587 | 52592 | 4.30E-48   |
| chr15      | 52816 | 52821 | 1.39E-27   |
| chr15      | 52941 | 52946 | 2.78E-05   |
| chr15      | 52942 | 52947 | 0.000109241|
| chr15      | 52943 | 52948 | 2.76E-07   |
| chr15      | 52944 | 52949 | 8.66E-06   |
| chr15      | 52945 | 52950 | 1.93E-05   |
| chr15      | 52967 | 52972 | 3.81E-45   |
| chr15      | 52968 | 52973 | 4.04E-45   |
| chr15      | 52971 | 52976 | 1.14E-33   |
| chr15      | 53242 | 53247 | 4.24E-11   |
| chr15      | 53243 | 53248 | 2.36E-08   |
| chr15      | 53800 | 53805 | 0.008396627|
| chr15      | 53850 | 53855 | 0.02501258 |
| chr15      | 53851 | 53856 | 0.006152006|
| chr15      | 54324 | 54329 | 0.000348773|
| chr15      | 54345 | 54350 | 8.18E-06   |
| chr15      | 54435 | 54440 | 0.000423486|
| chr15      | 54437 | 54442 | 0.001225709|
| chr15      | 54438 | 54443 | 0.000110558|
| chr15      | 54439 | 54444 | 8.93E-06   |
| Chr | Start | End   | P-value       |
|-----|-------|-------|---------------|
| chr15 | 54538001 | 54540000 | 0.000170671   |
| chr15 | 54540001 | 54545000 | 2.92E-07      |
| chr15 | 54541001 | 54546000 | 1.34E-07      |
| chr15 | 54542001 | 54547000 | 2.94E-08      |
| chr15 | 54589001 | 54594000 | 0.000820459   |
| chr15 | 54630001 | 54668000 | 6.02E-06      |
| chr15 | 54664001 | 54699000 | 3.75E-05      |
| chr15 | 54666001 | 54671000 | 0.000125604   |
| chr15 | 54730001 | 54741000 | 4.50E-08      |
| chr15 | 54741001 | 54746000 | 1.28E-08      |
| chr15 | 54834001 | 54839000 | 1.09E-06      |
| chr15 | 54873001 | 54878000 | 8.85E-10      |
| chr15 | 54874001 | 54892000 | 4.47E-09      |
| chr15 | 54875001 | 54880000 | 5.29E-08      |
| chr15 | 54929001 | 54934000 | 0.001911002   |
| chr15 | 54952001 | 54957000 | 1.10E-05      |
| chr15 | 54975001 | 54980000 | 6.73E-09      |
| chr15 | 54976001 | 54981000 | 2.50E-08      |
| chr15 | 54977001 | 54982000 | 3.68E-10      |
| chr15 | 54978001 | 54983000 | 6.77E-09      |
| chr15 | 55030001 | 55035000 | 6.63E-05      |
| chr15 | 55044001 | 55049000 | 8.87E-12      |
| chr15 | 55047001 | 55052000 | 4.84E-07      |
| chr15 | 55055001 | 55060000 | 0.001081112   |
| chr15 | 55056001 | 55061000 | 0.000607033   |
| chr15 | 55057001 | 55062000 | 9.61E-08      |
| chr15 | 55058001 | 55063000 | 3.44E-10      |
| chr15 | 55059001 | 55064000 | 1.86E-07      |
| chr15 | 55060001 | 55065000 | 1.65E-06      |
| chr15 | 55090001 | 55114000 | 6.80E-07      |
| chr15 | 55110001 | 55115000 | 2.03E-09      |
| chr15 | 55111001 | 55116000 | 2.98E-09      |
| chr15 | 55112001 | 55117000 | 1.29E-08      |
| chr15 | 55117001 | 55122000 | 3.53E-05      |
| chr15 | 55118001 | 55123000 | 5.23E-05      |
| chr15 | 55125001 | 55130000 | 4.34E-07      |
| chr15 | 55126001 | 55131000 | 2.44E-05      |
| chr15 | 55127001 | 55132000 | 0.003047936   |
| chr15 | 55130001 | 55135000 | 0.000425009   |
| chr15 | 55166001 | 55171000 | 7.95E-09      |
| chr15 | 55193001 | 55198000 | 8.82E-07      |
| chr15 | 55206001 | 55211000 | 3.21E-07      |
| chr15 | 55207001 | 55212000 | 1.81E-09      |
| chr15 | 55208001 | 55213000 | 4.35E-09      |
| chr15 | 55209001 | 55214000 | 3.93E-09      |
| chr15 | 55215001 | 55220000 | 1.69E-05      |
| chr15 | 55234001 | 55239000 | 1.18E-15      |
| Chromosome | Start Position | End Position | p-value  |
|------------|----------------|--------------|----------|
| chr15      | 55235001       | 55240000     | 5.09E-12 |
| chr15      | 55236001       | 55241000     | 2.49E-10 |
| chr15      | 55237001       | 55242000     | 1.10E-11 |
| chr15      | 55241001       | 55246000     | 1.86E-06 |
| chr15      | 55259001       | 55264000     | 0.00024796 |
| chr15      | 55260001       | 55265000     | 0.000301687 |
| chr15      | 55261001       | 55266000     | 0.000479337 |
| chr15      | 55273001       | 55278000     | 7.82E-10 |
| chr15      | 55274001       | 55279000     | 1.98E-10 |
| chr15      | 55275001       | 55280000     | 1.52E-13 |
| chr15      | 55276001       | 55281000     | 8.40E-10 |
| chr15      | 55308001       | 55313000     | 2.03E-05 |
| chr15      | 55327001       | 55332000     | 0.000209773 |
| chr15      | 55329001       | 55334000     | 1.34E-09 |
| chr15      | 55330001       | 55335000     | 6.17E-06 |
| chr15      | 55331001       | 55336000     | 1.58E-07 |
| chr15      | 55332001       | 55337000     | 2.72E-08 |
| chr15      | 55333001       | 55338000     | 2.88E-09 |
| chr15      | 55335001       | 55340000     | 8.91E-07 |
| chr15      | 55353001       | 55358000     | 1.60E-15 |
| chr15      | 55354001       | 55359000     | 3.36E-16 |
| chr15      | 55355001       | 55360000     | 4.53E-16 |
| chr15      | 55375001       | 55380000     | 1.72E-06 |
| chr15      | 55376001       | 55381000     | 6.63E-06 |
| chr15      | 55377001       | 55382000     | 1.37E-05 |
| chr15      | 55378001       | 55383000     | 6.13E-08 |
| chr15      | 55379001       | 55384000     | 3.33E-11 |
| chr15      | 55380001       | 55385000     | 1.74E-08 |
| chr15      | 55381001       | 55386000     | 2.95E-09 |
| chr15      | 55382001       | 55387000     | 4.37E-11 |
| chr15      | 55385001       | 55390000     | 0.000274343 |
| chr15      | 55405001       | 55410000     | 1.82E-06 |
| chr15      | 55408001       | 55413000     | 1.27E-06 |
| chr15      | 55433001       | 55438000     | 2.85E-13 |
| chr15      | 55434001       | 55439000     | 4.12E-12 |
| chr15      | 55435001       | 55440000     | 1.59E-14 |
| chr15      | 55484001       | 55489000     | 7.88E-60 |
| chr15      | 55580001       | 55585000     | 6.95E-16 |
| chr15      | 55581001       | 55586000     | 1.85E-15 |
| chr15      | 55582001       | 55587000     | 1.84E-19 |
| chr15      | 55786001       | 55791000     | 1.29E-14 |
| chr15      | 55787001       | 55792000     | 2.36E-23 |
| chr15      | 55788001       | 55793000     | 5.44E-12 |
| chr15      | 55876001       | 55881000     | 2.19E-27 |
| chr15      | 55877001       | 55882000     | 4.88E-24 |
| chr15      | 55878001       | 55883000     | 7.04E-13 |
| chr15      | 55880001       | 55885000     | 4.31E-11 |
| chr15      | 56030001       | 56035000     | 6.95E-66 |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr15      | 56281001 | 56286000 | 9.53E-47 |
| chr15      | 56282001 | 56287000 | 1.47E-47 |
| chr15      | 56283001 | 56288000 | 2.72E-59 |
| chr15      | 56284001 | 56289000 | 1.10E-67 |
| chr15      | 56285001 | 56290000 | 3.62E-40 |
| chr15      | 56286001 | 56291000 | 3.87E-31 |
| chr15      | 56287001 | 56292000 | 1.47E-47 |
| chr15      | 56288001 | 56293000 | 2.72E-59 |
| chr15      | 56289001 | 56294000 | 1.10E-67 |
| chr15      | 56290001 | 56295000 | 3.62E-40 |
| chr15      | 56291001 | 56296000 | 3.87E-31 |
| chr15      | 56292001 | 56297000 | 1.47E-47 |
| chr15      | 56293001 | 56298000 | 2.72E-59 |
| chr15      | 56294001 | 56299000 | 1.10E-67 |
| chr15      | 56295001 | 56300000 | 3.62E-40 |
| chr15      | 56296001 | 56301000 | 3.87E-31 |
| chr15      | 56297001 | 56302000 | 1.47E-47 |
| chr15      | 56298001 | 56303000 | 2.72E-59 |
| chr15      | 56299001 | 56304000 | 1.10E-67 |
| chr15      | 56300001 | 56305000 | 3.62E-40 |
| chr15      | 56301001 | 56306000 | 3.87E-31 |
| chr15      | 56302001 | 56307000 | 1.47E-47 |
| chr15      | 56303001 | 56308000 | 2.72E-59 |
| chr15      | 56304001 | 56309000 | 1.10E-67 |
| chr15      | 56305001 | 56310000 | 3.62E-40 |
| chr15      | 56306001 | 56311000 | 3.87E-31 |
| chr15      | 56307001 | 56312000 | 1.47E-47 |
| chr15      | 56308001 | 56313000 | 2.72E-59 |
| chr15      | 56309001 | 56314000 | 1.10E-67 |
| chr15      | 56310001 | 56315000 | 3.62E-40 |
| chr15      | 56311001 | 56316000 | 3.87E-31 |
| chr15      | 56312001 | 56317000 | 1.47E-47 |
| chr15      | 56313001 | 56318000 | 2.72E-59 |
| chr15      | 56314001 | 56319000 | 1.10E-67 |
| chr15      | 56315001 | 56320000 | 3.62E-40 |
| chr15      | 56316001 | 56321000 | 3.87E-31 |
| chr15      | 56317001 | 56322000 | 1.47E-47 |
| chr15      | 56318001 | 56323000 | 2.72E-59 |
| chr15      | 56319001 | 56324000 | 1.10E-67 |
| chr15      | 56320001 | 56325000 | 3.62E-40 |
| chr15      | 56321001 | 56326000 | 3.87E-31 |
| chr15      | 56322001 | 56327000 | 1.47E-47 |
| chr15      | 56323001 | 56328000 | 2.72E-59 |
| chr15      | 56324001 | 56329000 | 1.10E-67 |
| chr15      | 56325001 | 56330000 | 3.62E-40 |
| chr15 |      |      |       |
|-------|------|------|-------|
|       |      |      | 2.07E-07 |
|       |      |      | 8.82E-07 |
|       | 58226001 | 58231000 | 3.02E-06 |
|       | 58232001 | 58237000 | 6.43E-07 |
|       | 58265001 | 58270000 | 5.84E-09 |
|       | 58281001 | 58286000 | 2.27E-06 |
|       | 58282001 | 58287000 | 5.42E-07 |
|       | 58283001 | 58288000 | 8.29E-08 |
|       | 58285001 | 58290000 | 2.08E-05 |
|       | 58289001 | 58294000 | 1.36E-05 |
|       | 58292001 | 58297000 | 8.39E-06 |
|       | 58293001 | 58298000 | 0.001678561 |
|       | 58310001 | 58315000 | 6.24E-12 |
|       | 58312001 | 58317000 | 2.70E-09 |
|       | 58327001 | 58332000 | 0.000238093 |
|       | 58334001 | 58339000 | 3.61E-08 |
|       | 58335001 | 58340000 | 6.63E-08 |
|       | 58336001 | 58341000 | 2.13E-09 |
|       | 58337001 | 58342000 | 1.65E-12 |
|       | 58338001 | 58343000 | 8.89E-06 |
|       | 58345001 | 58350000 | 0.00041193 |
|       | 58474001 | 58479000 | 6.13E-07 |
|       | 58475001 | 58480000 | 1.73E-06 |
|       | 58623001 | 58628000 | 7.38E-09 |
|       | 59059001 | 59064000 | 3.61E-34 |
|       | 59060001 | 59065000 | 1.01E-33 |
|       | 59061001 | 59066000 | 2.46E-32 |
|       | 59062001 | 59067000 | 7.18E-29 |
|       | 59063001 | 59068000 | 1.28E-58 |
|       | 59064001 | 59069000 | 5.08E-24 |
|       | 59225001 | 59230000 | 5.87E-22 |
|       | 59393001 | 59398000 | 1.59E-24 |
|       | 59394001 | 59399000 | 1.59E-24 |
|       | 59396001 | 59401000 | 1.35E-22 |
|       | 59585001 | 59590000 | 1.37E-11 |
|       | 59660001 | 59665000 | 5.83E-17 |
|       | 59661001 | 59666000 | 1.28E-29 |
|       | 59662001 | 59667000 | 8.18E-41 |
|       | 59663001 | 59668000 | 2.86E-39 |
|       | 59664001 | 59669000 | 8.65E-28 |
|       | 59726001 | 59731000 | 3.18E-37 |
|       | 59727001 | 59732000 | 4.31E-22 |
|       | 59729001 | 59734000 | 9.17E-25 |
|       | 59730001 | 59735000 | 1.33E-34 |
|       | 59945001 | 59950000 | 6.82E-34 |
|       | 59946001 | 59951000 | 3.82E-27 |
|       | 59947001 | 59952000 | 9.39E-32 |
|       | 59948001 | 59953000 | 4.89E-24 |
| Chr | Start | End   | P-value       |
|-----|-------|-------|---------------|
| 15  | 61219001 | 61224000 | 1.31E-08     |
| 15  | 61220001 | 61225000 | 8.25E-12     |
| 15  | 61270001 | 61275000 | 0.013571139  |
| 15  | 61328001 | 61333000 | 4.98E-15     |
| 15  | 61458001 | 61463000 | 8.40E-11     |
| 15  | 61515001 | 61520000 | 1.74E-13     |
| 15  | 61529001 | 61534000 | 0.000142174  |
| 15  | 61575001 | 61580000 | 0.000479737  |
| 15  | 61601001 | 61606000 | 1.81E-07     |
| 15  | 61602001 | 61607000 | 6.51E-08     |
| 15  | 61603001 | 61608000 | 9.70E-13     |
| 15  | 61621001 | 61626000 | 0.000489002  |
| 15  | 61633001 | 61638000 | 4.02E-07     |
| 15  | 61634001 | 61639000 | 7.47E-08     |
| 15  | 61635001 | 61640000 | 4.88E-07     |
| 15  | 61636001 | 61641000 | 7.29E-06     |
| 15  | 61653001 | 61658000 | 1.39E-14     |
| 15  | 61654001 | 61659000 | 6.22E-14     |
| 15  | 61662001 | 61667000 | 7.59E-08     |
| 15  | 61663001 | 61668000 | 1.40E-09     |
| 15  | 61669001 | 61674000 | 4.38E-06     |
| 15  | 61670001 | 61675000 | 6.03E-06     |
| 15  | 61677001 | 61682000 | 2.01E-06     |
| 15  | 61680001 | 61685000 | 8.02E-06     |
| 15  | 61787001 | 61792000 | 4.72E-07     |
| 15  | 61833001 | 61838000 | 2.16E-20     |
| 15  | 61834001 | 61839000 | 9.49E-21     |
| 15  | 61835001 | 61840000 | 9.74E-22     |
| 15  | 61836001 | 61841000 | 6.19E-15     |
| 15  | 61837001 | 61842000 | 1.17E-14     |
| 15  | 61838001 | 61843000 | 2.79E-09     |
| 15  | 61839001 | 61844000 | 6.80E-06     |
| 15  | 61840001 | 61845000 | 1.66E-06     |
| 15  | 61868001 | 61873000 | 3.81E-08     |
| 15  | 61869001 | 61874000 | 2.34E-08     |
| 15  | 61890001 | 61895000 | 0.000590557  |
| 15  | 61893001 | 61898000 | 3.49E-14     |
| 15  | 61894001 | 61899000 | 5.39E-10     |
| 15  | 61919001 | 61924000 | 3.57E-06     |
| 15  | 61951001 | 61956000 | 2.18E-08     |
| 15  | 61952001 | 61957000 | 2.73E-13     |
| 15  | 61953001 | 61958000 | 1.95E-12     |
| 15  | 61954001 | 61959000 | 2.82E-12     |
| 15  | 61955001 | 61960000 | 7.92E-08     |
| 15  | 61970001 | 61975000 | 5.52E-07     |
| 15  | 62011001 | 62016000 | 3.87E-13     |
| 15  | 62012001 | 62017000 | 3.75E-17     |
| Chromosome | Start | End | P-value  |
|------------|-------|-----|----------|
| chr15      | 62013001 | 62018000 | 5.37E-13 |
| chr15      | 62014001 | 62019000 | 2.40E-13 |
| chr15      | 62025001 | 62030000 | 0.000643281 |
| chr15      | 62026001 | 62031000 | 0.000388801 |
| chr15      | 62031001 | 62036000 | 2.26E-06 |
| chr15      | 62081001 | 62086000 | 7.67E-08 |
| chr15      | 62082001 | 62087000 | 4.45E-07 |
| chr15      | 62083001 | 62088000 | 2.96E-07 |
| chr15      | 62085001 | 62090000 | 2.72E-07 |
| chr15      | 62352001 | 62357000 | 2.00E-43 |
| chr15      | 62359001 | 62364000 | 2.38E-71 |
| chr15      | 62360001 | 62365000 | 1.06E-109 |
| chr15      | 62449001 | 62454000 | 0.000556176 |
| chr15      | 62450001 | 62455000 | 0.001131681 |
| chr15      | 62451001 | 62456000 | 2.58E-07 |
| chr15      | 62480001 | 62485000 | 0.000246234 |
| chr15      | 62481001 | 62486000 | 0.000801525 |
| chr15      | 62482001 | 62487000 | 0.001882972 |
| chr15      | 62678001 | 62683000 | 1.54E-66 |
| chr15      | 63410001 | 63415000 | 1.45E-18 |
| chr15      | 63414001 | 63419000 | 3.85E-26 |
| chr15      | 63477001 | 63482000 | 2.00E-23 |
| chr15      | 63479001 | 63484000 | 1.56E-21 |
| chr15      | 63480001 | 63485000 | 2.67E-22 |
| chr15      | 63565001 | 63570000 | 7.96E-16 |
| chr15      | 63568001 | 63573000 | 2.75E-57 |
| chr15      | 63569001 | 63574000 | 4.15E-59 |
| chr15      | 63570001 | 63575000 | 3.65E-20 |
| chr15      | 64126001 | 64131000 | 1.11E-34 |
| chr15      | 64455001 | 64460000 | 6.41E-29 |
| chr15      | 64748001 | 64753000 | 2.70E-28 |
| chr15      | 64749001 | 64754000 | 4.11E-27 |
| chr15      | 64750001 | 64755000 | 3.76E-22 |
| chr15      | 64751001 | 64756000 | 1.17E-16 |
| chr15      | 64752001 | 64757000 | 1.33E-07 |
| chr15      | 65063001 | 65068000 | 3.15E-27 |
| chr15      | 65114001 | 65119000 | 8.10E-08 |
| chr15      | 65129001 | 65134000 | 1.11E-20 |
| chr15      | 65130001 | 65135000 | 1.25E-18 |
| chr15      | 65131001 | 65136000 | 9.30E-22 |
| chr15      | 65317001 | 65322000 | 1.63E-34 |
| chr15      | 65318001 | 65323000 | 3.04E-37 |
| chr15      | 65574001 | 65579000 | 2.07E-23 |
| chr15      | 65575001 | 65580000 | 2.31E-24 |
| chr15      | 65576001 | 65581000 | 7.93E-16 |
| chr15      | 65577001 | 65582000 | 1.17E-17 |
| chr15      | 65578001 | 65583000 | 2.15E-14 |
| chr15      | 65647001 | 65652000 | 1.15E-10 |
| Chr | Start | End | p-value |
|-----|-------|-----|---------|
| chr15 | 65687001 | 65692000 | 1.40E-09 |
| chr15 | 65805001 | 65810000 | 3.08E-23 |
| chr15 | 65819001 | 65824000 | 2.48E-23 |
| chr15 | 65899001 | 65904000 | 3.41E-23 |
| chr15 | 65902001 | 65907000 | 3.02E-18 |
| chr15 | 65903001 | 65908000 | 5.87E-42 |
| chr15 | 66157001 | 66162000 | 1.40E-25 |
| chr15 | 66786001 | 66791000 | 3.58E-26 |
| chr15 | 66787001 | 66792000 | 5.09E-27 |
| chr15 | 66788001 | 66793000 | 8.53E-32 |
| chr15 | 66789001 | 66794000 | 6.40E-26 |
| chr15 | 66790001 | 66795000 | 4.39E-28 |
| chr15 | 67131001 | 67136000 | 6.87E-16 |
| chr15 | 67132001 | 67137000 | 4.26E-12 |
| chr15 | 67133001 | 67138000 | 4.11E-09 |
| chr15 | 67547001 | 67552000 | 4.45E-15 |
| chr15 | 67835001 | 67840000 | 1.03E-17 |
| chr15 | 68011001 | 68016000 | 0.000110134 |
| chr15 | 68342001 | 68347000 | 4.60E-28 |
| chr15 | 68343001 | 68348000 | 2.39E-49 |
| chr15 | 68517001 | 68522000 | 9.24E-36 |
| chr15 | 68518001 | 68523000 | 5.58E-24 |
| chr15 | 69107001 | 69112000 | 4.06E-24 |
| chr15 | 69174001 | 69179000 | 0.000204852 |
| chr15 | 69181001 | 69186000 | 0.001327441 |
| chr15 | 69453001 | 69458000 | 7.84E-51 |
| chr15 | 69454001 | 69459000 | 2.83E-09 |
| chr15 | 69587001 | 69592000 | 7.40E-15 |
| chr15 | 69588001 | 69593000 | 8.17E-13 |
| chr15 | 69589001 | 69594000 | 1.20E-09 |
| chr15 | 69590001 | 69595000 | 1.41E-06 |
| chr15 | 69591001 | 69596000 | 0.00157774 |
| chr15 | 69702001 | 69707000 | 4.67E-21 |
| chr15 | 69703001 | 69708000 | 3.87E-16 |
| chr15 | 69704001 | 69709000 | 1.39E-33 |
| chr15 | 69705001 | 69710000 | 1.39E-44 |
| chr15 | 69706001 | 69711000 | 6.54E-42 |
| chr15 | 69707001 | 69712000 | 8.74E-13 |
| chr15 | 70990001 | 70995000 | 0.001963587 |
| chr15 | 71004001 | 71009000 | 0.000152187 |
| chr15 | 71006001 | 71011000 | 0.000393907 |
| chr15 | 71051001 | 71056000 | 2.75E-45 |
| chr15 | 71146001 | 71151000 | 4.03E-26 |
| chr15 | 71180001 | 71185000 | 4.15E-45 |
| chr15 | 71184001 | 71189000 | 6.50E-40 |
| chr15 | 71185001 | 71190000 | 1.96E-42 |
| chr15 | 71407001 | 71412000 | 4.45E-35 |
| chr15 |    71408001 |    71413000 |     4.39E-21 |
| chr15 |    72405001 |    72410000 |      7.44E-19 |
| chr15 |    72560001 |    72565000 |      7.05E-39 |
| chr15 |    72561001 |    72566000 |      1.47E-36 |
| chr15 |    72562001 |    72567000 |      9.96E-32 |
| chr15 |    72563001 |    72568000 |      2.35E-37 |
| chr15 |    72564001 |    72569000 |      2.22E-36 |
| chr15 |    72565001 |    72570000 |      2.31E-22 |
| chr15 |    72690001 |    72695000 |      6.01E-13 |
| chr15 |    72610001 |    72615000 |      1.95E-12 |
| chr15 |    72611001 |    72616000 |      1.17E-08 |
| chr15 |    72612001 |    72617000 |      4.41E-13 |
| chr15 |    72668001 |    72673000 |      8.45E-33 |
| chr15 |    72677001 |    72682000 |      1.26E-05 |
| chr15 |    72762001 |    72767000 |      1.62E-30 |
| chr15 |    72763001 |    72768000 |      4.29E-31 |
| chr15 |    72764001 |    72769000 |      1.18E-29 |
| chr15 |    72765001 |    72770000 |      4.43E-64 |
| chr15 |    72766001 |    72771000 |      3.13E-63 |
| chr15 |    72767001 |    72772000 |      9.38E-46 |
| chr15 |    73071001 |    73076000 |      1.31E-22 |
| chr15 |    73072001 |    73077000 |      4.36E-46 |
| chr15 |    73073001 |    73078000 |      4.57E-30 |
| chr15 |    73074001 |    73079000 |      2.51E-25 |
| chr15 |    73076001 |    73081000 |      2.57E-15 |
| chr15 |    73085001 |    73090000 |      9.98E-20 |
| chr15 |    73086001 |    73091000 |      2.12E-19 |
| chr15 |    73087001 |    73092000 |      2.86E-21 |
| chr15 |    73088001 |    73093000 |      4.35E-20 |
| chr15 |    73165001 |    73170000 |      1.20E-10 |
| chr15 |    73166001 |    73171000 |      5.55E-15 |
| chr15 |    73175001 |    73180000 |      1.01E-08 |
| chr15 |    73176001 |    73181000 |      3.62E-09 |
| chr15 |    73184001 |    73189000 | 0.000763763 |
| chr15 |    73222001 |    73227000 |      1.24E-08 |
| chr15 |    73234001 |    73239000 |      8.89E-09 |
| chr15 |    73235001 |    73240000 |      1.21E-10 |
| chr15 |    73275001 |    73280000 | 0.000263472 |
| chr15 |    73276001 |    73281000 |      9.31E-05 |
| chr15 |    73340001 |    73345000 |      4.71E-30 |
| chr15 |    73423001 |    73428000 | 0.00031904 |
| chr15 |    73460001 |    73465000 |      2.40E-05 |
| chr15 |    73480001 |    73485000 | 0.000726909 |
| chr15 |    73490001 |    73495000 | 0.000206672 |
| chr15 |    73800001 |    73805000 |      7.76E-05 |
| chr15 |    73810001 |    73815000 | 0.000521982 |
| chr15 |    73990001 |    73804000 |      1.83E-10 |
| chr15 |    73800001 |    73805000 |      9.93E-07 |
| Chr15 | Start | End   | p-value |
|-------|-------|-------|---------|
| chr15 | 73976001 | 73981000 | 1.26E-14 |
| chr15 | 74043001 | 74048000 | 3.27E-13 |
| chr15 | 74044001 | 74049000 | 4.67E-21 |
| chr15 | 74045001 | 74050000 | 8.37E-20 |
| chr15 | 74220001 | 74225000 | 4.14E-11 |
| chr15 | 74395001 | 74400000 | 3.03E-05 |
| chr15 | 74753001 | 74758000 | 6.48E-32 |
| chr15 | 75134001 | 75139000 | 7.33E-19 |
| chr15 | 75135001 | 75140000 | 4.41E-18 |
| chr15 | 75165001 | 75170000 | 5.10E-15 |
| chr15 | 75198001 | 75203000 | 5.88E-24 |
| chr15 | 75199001 | 75204000 | 1.59E-27 |
| chr15 | 75245001 | 75250000 | 6.71E-12 |
| chr15 | 75636001 | 75641000 | 3.47E-24 |
| chr15 | 75867001 | 75872000 | 4.61E-31 |
| chr15 | 75868001 | 75873000 | 6.85E-27 |
| chr15 | 75935001 | 75940000 | 1.52E-23 |
| chr15 | 76131001 | 76136000 | 5.18E-35 |
| chr15 | 76132001 | 76137000 | 2.18E-27 |
| chr15 | 76133001 | 76138000 | 3.81E-63 |
| chr15 | 76134001 | 76139000 | 9.23E-96 |
| chr15 | 76135001 | 76140000 | 1.89E-90 |
| chr15 | 76136001 | 76141000 | 7.42E-56 |
| chr15 | 76192001 | 76197000 | 1.33E-44 |
| chr15 | 76193001 | 76198000 | 8.53E-36 |
| chr15 | 76194001 | 76199000 | 1.15E-40 |
| chr15 | 76195001 | 76200000 | 1.42E-40 |
| chr15 | 76196001 | 76201000 | 6.80E-32 |
| chr15 | 76298001 | 76303000 | 0.002610144 |
| chr15 | 76312001 | 76317000 | 6.17E-07 |
| chr15 | 76313001 | 76318000 | 2.83E-07 |
| chr15 | 76599001 | 76604000 | 3.28E-13 |
| chr15 | 76603001 | 76608000 | 6.78E-13 |
| chr15 | 76827001 | 76832000 | 8.14E-05 |
| chr15 | 77193001 | 77198000 | 1.08E-42 |
| chr15 | 77194001 | 77199000 | 6.27E-40 |
| chr15 | 77196001 | 77201000 | 4.95E-22 |
| chr15 | 77197001 | 77202000 | 1.35E-29 |
| chr15 | 77219001 | 77224000 | 3.46E-50 |
| chr15 | 77222001 | 77227000 | 3.79E-103 |
| chr15 | 77223001 | 77228000 | 1.90E-92 |
| chr15 | 77224001 | 77229000 | 2.49E-72 |
|chr15| 77360001| 77365000| 4.24E-36|
|chr15| 77361001| 77366000| 6.48E-43|
|chr15| 77362001| 77367000| 1.54E-32|
|chr15| 77363001| 77368000| 9.07E-35|
|chr15| 77710001| 77715000| 6.27E-48|
|chr15| 77711001| 77716000| 3.00E-54|
|chr15| 77712001| 77717000| 2.23E-52|
|chr15| 78365001| 78370000| 2.51E-16|
|chr15| 78366001| 78371000| 1.20E-18|
|chr15| 78367001| 78372000| 3.17E-25|
|chr15| 78368001| 78373000| 4.20E-20|
|chr15| 78369001| 78374000| 6.64E-29|
|chr15| 78419001| 78424000| 8.25E-13|
|chr15| 78420001| 78425000| 1.41E-18|
|chr15| 78421001| 78426000| 4.15E-24|
|chr15| 78422001| 78427000| 5.53E-24|
|chr15| 78423001| 78428000| 1.19E-33|
|chr15| 78424001| 78429000| 1.84E-12|
|chr15| 78440001| 78445000| 2.14E-20|
|chr15| 78441001| 78446000| 1.16E-32|
|chr15| 78442001| 78447000| 4.21E-36|
|chr15| 78587001| 78592000| 1.03E-27|
|chr15| 78588001| 78593000| 3.14E-28|
|chr15| 78589001| 78594000| 1.03E-25|
|chr15| 78731001| 78736000| 6.40E-11|
|chr15| 78796001| 78801000| 4.27E-16|
|chr15| 78797001| 78802000| 6.57E-19|
|chr15| 78798001| 78803000| 1.91E-10|
|chr15| 78799001| 78804000| 9.37E-20|
|chr15| 78800001| 78805000| 1.81E-21|
|chr15| 78828001| 78833000| 5.62E-17|
|chr15| 79098001| 79103000| 1.17E-10|
|chr15| 79099001| 79104000| 3.03E-26|
|chr15| 79100001| 79105000| 4.14E-19|
|chr15| 79101001| 79106000| 2.64E-16|
|chr15| 79102001| 79107000| 2.43E-10|
|chr15| 79103001| 79108000| 3.24E-07|
|chr15| 79161001| 79166000| 1.55E-12|
|chr15| 79236001| 79241000| 6.94E-09|
|chr15| 79237001| 79242000| 9.97E-11|
|chr15| 79383001| 79388000| 1.27E-12|
|chr15| 79384001| 79389000| 4.80E-23|
|chr15| 79411001| 79416000| 2.52E-08|
|chr15| 79412001| 79417000| 6.46E-08|
|chr15| 79413001| 79418000| 2.83E-11|
|chr15| 79414001| 79419000| 2.26E-14|
|chr15| 79415001| 79420000| 2.10E-10|
|chr15| 79438001| 79443000| 0.001022935|
| chr15 | 79439001 | 79444000 | 3.61E-05 |
| chr15 | 79440001 | 79445000 | 3.07E-05 |
| chr15 | 79559001 | 79564000 | 2.23E-19 |
| chr15 | 79603001 | 79608000 | 1.58E-06 |
| chr15 | 80011001 | 80016000 | 8.24E-06 |
| chr15 | 80185001 | 80190000 | 9.34E-50 |
| chr15 | 80186001 | 80191000 | 9.86E-63 |
| chr15 | 80187001 | 80192000 | 5.83E-45 |
| chr15 | 80188001 | 80193000 | 5.06E-53 |
| chr15 | 80189001 | 80194000 | 2.07E-52 |
| chr15 | 80347001 | 80352000 | 6.90E-20 |
| chr15 | 80544001 | 80549000 | 4.06E-32 |
| chr15 | 80546001 | 80551000 | 1.34E-05 |
| chr15 | 80591001 | 80596000 | 5.39E-09 |
| chr15 | 80594001 | 80599000 | 1.06E-13 |
| chr15 | 80619001 | 80624000 | 1.87E-06 |
| chr15 | 80629001 | 80634000 | 1.09E-09 |
| chr15 | 80637001 | 80642000 | 4.84E-06 |
| chr15 | 80638001 | 80643000 | 4.92E-06 |
| chr15 | 80692001 | 80697000 | 1.19E-63 |
| chr15 | 80693001 | 80698000 | 1.40E-52 |
| chr15 | 80694001 | 80699000 | 4.78E-60 |
| chr15 | 80695001 | 80700000 | 6.35E-28 |
| chr15 | 80696001 | 80701000 | 6.79E-23 |
| chr15 | 80983001 | 80988000 | 1.77E-39 |
| chr15 | 80984001 | 80989000 | 1.94E-43 |
| chr15 | 80985001 | 80990000 | 7.35E-45 |
| chr15 | 80986001 | 80991000 | 4.98E-49 |
| chr15 | 80987001 | 80992000 | 1.23E-57 |
| chr15 | 80988001 | 80993000 | 3.14E-48 |
| chr15 | 81067001 | 81072000 | 2.35E-32 |
| chr15 | 81073001 | 81078000 | 2.77E-23 |
| chr15 | 81282001 | 81287000 | 1.97E-23 |
| chr15 | 81325001 | 81330000 | 2.31E-09 |
| chr15 | 81498001 | 81503000 | 4.97E-07 |
| chr15 | 81500001 | 81505000 | 5.56E-07 |
| chr15 | 81501001 | 81506000 | 2.97E-07 |
| chr15 | 81521001 | 81526000 | 3.03E-07 |
| chr15 | 81522001 | 81527000 | 2.26E-06 |
| chr15 | 81528001 | 81533000 | 9.21E-09 |
| chr15 | 81529001 | 81534000 | 1.06E-06 |
| chr15 | 81576001 | 81581000 | 1.14E-06 |
| chr15 | 81577001 | 81582000 | 2.00E-06 |
| chr15 | 81615001 | 81620000 | 3.82E-34 |
| chr15 | 81616001 | 81621000 | 5.60E-57 |
| chr15 | 81631001 | 81636000 | 6.42E-08 |
| chr15 | 81716001 | 81721000 | 1.74E-07 |
| Chromosome | Start | End   | p-value          |
|------------|-------|-------|------------------|
| chr15      | 81717001 | 81722000 | 0.000703485     |
| chr15      | 81878001 | 81883000 | 1.64E-05        |
| chr15      | 81893001 | 81898000 | 5.03E-05        |
| chr15      | 81960001 | 81965000 | 1.15E-06        |
| chr15      | 81976001 | 81981000 | 0.016115068     |
| chr15      | 82026001 | 82031000 | 1.17E-16        |
| chr15      | 82027001 | 82032000 | 2.22E-09        |
| chr15      | 82064001 | 82069000 | 0.00112783      |
| chr15      | 82065001 | 82070000 | 1.91E-05        |
| chr15      | 82081001 | 82086000 | 5.20E-05        |
| chr15      | 82120001 | 82125000 | 5.94E-05        |
| chr15      | 82145001 | 82150000 | 6.52E-13        |
| chr15      | 82146001 | 82151000 | 4.82E-11        |
| chr15      | 82147001 | 82152000 | 6.34E-08        |
| chr15      | 82219001 | 82224000 | 1.48E-06        |
| chr15      | 82234001 | 82239000 | 3.73E-11        |
| chr15      | 82249001 | 82254000 | 2.21E-05        |
| chr15      | 82251001 | 82256000 | 3.92E-05        |
| chr15      | 82277001 | 82282000 | 3.77E-08        |
| chr15      | 82294001 | 82299000 | 1.92E-09        |
| chr15      | 82554001 | 82559000 | 1.51E-44        |
| chr15      | 82555001 | 82560000 | 1.32E-56        |
| chr15      | 83271001 | 83276000 | 1.36E-12        |
| chr15      | 83348001 | 83353000 | 2.82E-14        |
| chr15      | 83349001 | 83354000 | 3.27E-15        |
| chr15      | 83374001 | 83379000 | 2.19E-43        |
| chr15      | 83375001 | 83380000 | 6.29E-15        |
| chr15      | 83378001 | 83383000 | 6.48E-08        |
| chr15      | 83478001 | 83483000 | 2.10E-56        |
| chr15      | 83479001 | 83484000 | 1.07E-37        |
| chr15      | 83617001 | 83622000 | 6.39E-28        |
| chr15      | 83619001 | 83624000 | 2.41E-27        |
| chr15      | 83620001 | 83625000 | 1.95E-30        |
| chr15      | 83621001 | 83626000 | 2.77E-43        |
| chr15      | 83650001 | 83655000 | 6.81E-23        |
| chr15      | 83651001 | 83656000 | 1.59E-24        |
| chr15      | 83652001 | 83657000 | 8.44E-34        |
| chr15      | 83653001 | 83658000 | 2.52E-32        |
| chr15      | 83654001 | 83659000 | 2.14E-41        |
| chr15      | 83655001 | 83660000 | 2.89E-14        |
| chr15      | 83676001 | 83681000 | 9.22E-32        |
| chr15      | 83677001 | 83682000 | 7.33E-31        |
| chr15      | 83678001 | 83683000 | 5.65E-34        |
| chr15      | 83679001 | 83684000 | 3.87E-35        |
| chr15      | 83680001 | 83685000 | 9.83E-32        |
| chr15      | 83735001 | 83740000 | 8.61E-50        |
| chr15      | 83736001 | 83741000 | 9.83E-21        |
| chr15      | 83842001 | 83847000 | 2.42E-05        |
| Chr  | Start  | End    | Value    |
|------|--------|--------|----------|
| chr15| 83871001 | 83876000 | 8.52E-57 |
| chr15| 83872001 | 83877000 | 1.51E-53 |
| chr15| 83948001 | 83953000 | 8.74E-42 |
| chr15| 83949001 | 83954000 | 1.14E-50 |
| chr15| 83950001 | 83955000 | 1.54E-31 |
| chr15| 83951001 | 83956000 | 1.20E-34 |
| chr15| 83952001 | 83957000 | 1.52E-08 |
| chr15| 83953001 | 83958000 | 6.62E-21 |
| chr15| 84097001 | 84102000 | 1.60E-08 |
| chr15| 84098001 | 84103000 | 1.87E-09 |
| chr15| 84116001 | 84121000 | 1.75E-20 |
| chr15| 84217001 | 84222000 | 7.43E-06 |
| chr15| 84265001 | 84270000 | 1.59E-07 |
| chr15| 84296001 | 84301000 | 7.73E-06 |
| chr15| 84297001 | 84302000 | 0.00143538 |
| chr15| 84298001 | 84303000 | 2.20E-05 |
| chr15| 84300001 | 84305000 | 3.40E-05 |
| chr15| 84311001 | 84316000 | 4.06E-07 |
| chr15| 84344001 | 84349000 | 5.55E-06 |
| chr15| 84347001 | 84352000 | 0.00133861 |
| chr15| 84400001 | 84405000 | 0.00313664 |
| chr15| 84401001 | 84406000 | 0.000176177 |
| chr15| 84424001 | 84429000 | 6.69E-09 |
| chr15| 84437001 | 84442000 | 0.001190094 |
| chr15| 84439001 | 84444000 | 4.03E-12 |
| chr15| 84440001 | 84445000 | 3.65E-08 |
| chr15| 84441001 | 84446000 | 4.12E-07 |
| chr15| 84442001 | 84447000 | 8.86E-09 |
| chr15| 84453001 | 84458000 | 2.37E-06 |
| chr15| 84454001 | 84459000 | 4.32E-06 |
| chr15| 84464001 | 84469000 | 7.16E-05 |
| chr15| 84467001 | 84472000 | 0.000100328 |
| chr15| 84524001 | 84529000 | 0.005840865 |
| chr15| 84561001 | 84566000 | 0.002101299 |
| chr15| 84595001 | 84600000 | 1.64E-05 |
| chr15| 84596001 | 84601000 | 5.82E-06 |
| chr15| 84620001 | 84625000 | 5.83E-05 |
| chr15| 84621001 | 84626000 | 1.18E-06 |
| chr15| 84622001 | 84627000 | 1.81E-06 |
| chr15| 84623001 | 84628000 | 7.67E-07 |
| chr15| 84624001 | 84629000 | 3.90E-07 |
| chr15| 84652001 | 84657000 | 3.42E-05 |
| chr15| 84660001 | 84665000 | 7.92E-05 |
| chr15| 84673001 | 84678000 | 2.17E-10 |
| chr15| 84674001 | 84679000 | 5.55E-12 |
| chr15| 84675001 | 84680000 | 6.01E-10 |
| chr15| 84676001 | 84681000 | 1.05E-05 |
| chr15| 84706001 | 84711000 | 4.10E-08 |
| Chr 15 | Start | End   | p-value  |
|-------|-------|-------|----------|
| chr15 | 84707001 | 84712000 | 6.53E-09 |
| chr15 | 84722001 | 84727000 | 2.29E-06 |
| chr15 | 84723001 | 84728000 | 0.000464879 |
| chr15 | 84724001 | 84729000 | 5.74E-06 |
| chr15 | 84725001 | 84730000 | 5.19E-06 |
| chr15 | 84726001 | 84731000 | 9.81E-08 |
| chr15 | 84728001 | 84733000 | 8.83E-07 |
| chr15 | 84736001 | 84741000 | 2.60E-06 |
| chr15 | 84738001 | 84743000 | 1.47E-06 |
| chr15 | 84739001 | 84744000 | 3.68E-07 |
| chr15 | 84740001 | 84745000 | 4.75E-10 |
| chr15 | 84795001 | 84800000 | 0.000312936 |
| chr15 | 84796001 | 84801000 | 5.19E-05 |
| chr15 | 84840001 | 84845000 | 1.30E-09 |
| chr15 | 84894001 | 84899000 | 4.47E-11 |
| chr15 | 84895001 | 84900000 | 8.94E-14 |
| chr15 | 84896001 | 84901000 | 8.94E-14 |
| chr15 | 84897001 | 84902000 | 1.26E-12 |
| chr15 | 85111001 | 85116000 | 4.94E-23 |
| chr15 | 85112001 | 85117000 | 6.07E-32 |
| chr15 | 85113001 | 85118000 | 3.66E-31 |
| chr15 | 85114001 | 85119000 | 5.61E-21 |
| chr15 | 85176001 | 85181000 | 1.49E-26 |
| chr15 | 85177001 | 85182000 | 2.84E-35 |
| chr15 | 85193001 | 85198000 | 1.75E-31 |
| chr15 | 85200001 | 85205000 | 1.45E-06 |
| chr15 | 85201001 | 85206000 | 6.46E-19 |
| chr15 | 85255001 | 85260000 | 1.60E-21 |
| chr15 | 85256001 | 85261000 | 3.52E-28 |
| chr15 | 85257001 | 85262000 | 3.51E-37 |
| chr15 | 85258001 | 85263000 | 8.50E-22 |
| chr15 | 85259001 | 85264000 | 3.23E-38 |
| chr15 | 85260001 | 85265000 | 3.95E-10 |
| chr15 | 85288001 | 85293000 | 1.05E-11 |
| chr15 | 85291001 | 85296000 | 3.94E-27 |
| chr15 | 85292001 | 85297000 | 3.43E-16 |
| chr15 | 85924001 | 85929000 | 1.90E-22 |
| chr15 | 86379001 | 86384000 | 1.12E-06 |
| chr15 | 86380001 | 86385000 | 4.42E-19 |
| chr15 | 86381001 | 86386000 | 1.95E-26 |
| chr15 | 86382001 | 86387000 | 1.26E-24 |
| chr15 | 86383001 | 86388000 | 3.35E-20 |
| chr15 | 86493001 | 86498000 | 2.48E-11 |
| chr15 | 86494001 | 86499000 | 1.91E-07 |
| chr15 | 86495001 | 86500000 | 2.99E-08 |
| chr15 | 86496001 | 86501000 | 4.81E-11 |
| chr15 | 86516001 | 86521000 | 1.19E-11 |
| chr15 | 86529001 | 86534000 | 4.77E-09 |
| Chr  | Start | End   | p-value       |
|------|-------|-------|---------------|
| chr15| 86530001 | 86535000 | 8.14E-11     |
| chr15| 86531001 | 86536000 | 4.21E-08     |
| chr15| 86537001 | 86542000 | 1.47E-09     |
| chr15| 86543001 | 86548000 | 5.14E-11     |
| chr15| 86549001 | 86554000 | 1.09E-09     |
| chr15| 86555001 | 86560000 | 1.53E-10     |
| chr15| 86561001 | 86566000 | 6.54E-09     |
| chr15| 86567001 | 86572000 | 3.56E-07     |
| chr15| 86573001 | 86578000 | 1.02E-08     |
| chr15| 86579001 | 86584000 | 7.00E-06     |
| chr15| 86585001 | 86590000 | 6.95E-05     |
| chr15| 86591001 | 86596000 | 3.67E-05     |
| chr15| 86597001 | 86602000 | 4.06E-07     |
| chr15| 86603001 | 86608000 | 4.45E-12     |
| chr15| 86609001 | 86614000 | 1.37E-11     |
| chr15| 86615001 | 86620000 | 3.52E-06     |
| chr15| 86621001 | 86626000 | 4.87E-13     |
| chr15| 86627001 | 86632000 | 4.87E-10     |
| chr15| 86633001 | 86638000 | 2.84E-15     |
| chr15| 86639001 | 86644000 | 7.13E-10     |
| chr15| 86645001 | 86650000 | 3.96E-17     |
| chr15| 86651001 | 86656000 | 3.18E-18     |
| chr15| 86657001 | 86662000 | 3.49E-20     |
| chr15| 86663001 | 86668000 | 1.59E-16     |
| chr15| 86669001 | 86674000 | 3.75E-14     |
| chr15| 86675001 | 86680000 | 2.91E-09     |
| chr15| 86681001 | 86686000 | 5.92E-08     |
| chr15| 86687001 | 86692000 | 4.14E-05     |
| chr15| 86693001 | 86698000 | 5.03E-05     |
| chr15| 86700001 | 86705000 | 3.11E-06     |
| chr15| 86706001 | 86711000 | 1.99E-10     |
| chr15| 86712001 | 86717000 | 4.41E-10     |
| chr15| 86718001 | 86723000 | 5.37E-10     |
| chr15| 86724001 | 86729000 | 0.00025654   |
| chr15| 86730001 | 86735000 | 4.82E-06     |
| chr15| 86736001 | 86741000 | 1.14E-07     |
| chr15| 86742001 | 86747000 | 1.37E-05     |
| chr15| 86748001 | 86753000 | 6.55E-06     |
| chr15| 86754001 | 86759000 | 1.94E-05     |
| chr15| 86760001 | 86765000 | 3.58E-05     |
| chr15| 86766001 | 86771000 | 0.000193196  |
| chr15| 86772001 | 86777000 | 5.59E-08     |
| chr15| 86778001 | 86783000 | 2.65E-07     |
| chr15| 86784001 | 86789000 | 1.05E-05     |
| chr15| 86790001 | 86795000 | 0.00077415   |
| chr15| 86796001 | 86796000 | 0.000216234  |
| chr15| 86797001 | 86797000 | 0.000370259  |
| Chr | Start | End | P-value     |
|-----|-------|-----|-------------|
| 15  | 87266001 | 87271000 | 2.41E-08 |
| 15  | 87267001 | 87272000 | 1.25E-07 |
| 15  | 87269001 | 87274000 | 0.000382895 |
| 15  | 87270001 | 87275000 | 3.37E-05 |
| 15  | 87273001 | 87278000 | 0.000233215 |
| 15  | 87304001 | 87309000 | 0.003226036 |
| 15  | 87305001 | 87310000 | 0.001364722 |
| 15  | 87307001 | 87312000 | 1.15E-07 |
| 15  | 87308001 | 87313000 | 1.61E-07 |
| 15  | 87336001 | 87341000 | 0.000247632 |
| 15  | 87337001 | 87342000 | 0.000758911 |
| 15  | 87338001 | 87343000 | 9.70E-05 |
| 15  | 87339001 | 87344000 | 3.29E-05 |
| 15  | 87341001 | 87346000 | 0.000553686 |
| 15  | 87350001 | 87355000 | 0.00139367 |
| 15  | 87387001 | 87392000 | 0.000780827 |
| 15  | 87388001 | 87393000 | 0.000277914 |
| 15  | 87413001 | 87418000 | 4.95E-05 |
| 15  | 87414001 | 87419000 | 2.69E-05 |
| 15  | 87444001 | 87449000 | 0.001164614 |
| 15  | 87488001 | 87493000 | 0.00071585 |
| 15  | 87494001 | 87499000 | 5.83E-05 |
| 15  | 87495001 | 87500000 | 2.75E-05 |
| 15  | 87500001 | 87505000 | 0.005623296 |
| 15  | 87501001 | 87506000 | 0.00531576 |
| 15  | 87566001 | 87571000 | 1.97E-07 |
| 15  | 87567001 | 87572000 | 1.08E-06 |
| 15  | 87568001 | 87573000 | 6.34E-07 |
| 15  | 87617001 | 87622000 | 6.35E-05 |
| 15  | 87625001 | 87630000 | 4.15E-06 |
| 15  | 87626001 | 87631000 | 4.87E-08 |
| 15  | 87627001 | 87632000 | 9.90E-05 |
| 15  | 87628001 | 87633000 | 8.26E-05 |
| 15  | 87636001 | 87641000 | 7.84E-05 |
| 15  | 87646001 | 87651000 | 3.24E-05 |
| 15  | 87647001 | 87652000 | 0.000336232 |
| 15  | 87648001 | 87653000 | 0.000145564 |
| 15  | 87777001 | 87782000 | 6.73E-09 |
| 15  | 87778001 | 87783000 | 1.76E-07 |
| 15  | 87848001 | 87853000 | 0.000261551 |
| 15  | 87872001 | 87877000 | 1.97E-13 |
| 15  | 87875001 | 87880000 | 1.06E-15 |
| 15  | 87969001 | 87974000 | 9.22E-05 |
| 15  | 87970001 | 87975000 | 1.50E-05 |
| 15  | 87971001 | 87976000 | 3.94E-05 |
| 15  | 87972001 | 87977000 | 5.15E-05 |
| 15  | 87988001 | 87993000 | 0.001962185 |
| 15  | 88169001 | 88174000 | 5.76E-07 |
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr15      | 88238001 | 88243000 | 0.001173881 |
| chr15      | 88254001 | 88259000 | 0.00307103  |
| chr15      | 88533001 | 88538000 | 1.67E-05   |
| chr15      | 88535001 | 88540000 | 8.98E-13   |
| chr15      | 88536001 | 88541000 | 1.65E-13   |
| chr15      | 88537001 | 88542000 | 1.73E-12   |
| chr15      | 88538001 | 88543000 | 9.04E-12   |
| chr15      | 88539001 | 88544000 | 3.88E-13   |
| chr15      | 88807001 | 88812000 | 1.47E-17   |
| chr15      | 88808001 | 88813000 | 2.43E-14   |
| chr15      | 89011001 | 89016000 | 2.74E-24   |
| chr15      | 89160001 | 89165000 | 1.30E-39   |
| chr15      | 89308001 | 89313000 | 1.75E-10   |
| chr15      | 89627001 | 89632000 | 1.12E-108  |
| chr15      | 89628001 | 89633000 | 1.68E-71   |
| chr15      | 89629001 | 89634000 | 9.56E-60   |
| chr15      | 89783001 | 89788000 | 3.62E-17   |
| chr15      | 90119001 | 90124000 | 2.61E-17   |
| chr15      | 90207001 | 90212000 | 7.56E-10   |
| chr15      | 90208001 | 90213000 | 1.49E-06   |
| chr15      | 90209001 | 90214000 | 1.30E-05   |
| chr15      | 90229001 | 90234000 | 3.00E-47   |
| chr15      | 90230001 | 90235000 | 7.35E-53   |
| chr15      | 90231001 | 90236000 | 8.26E-29   |
| chr15      | 90232001 | 90237000 | 3.94E-14   |
| chr15      | 90233001 | 90238000 | 3.31E-11   |
| chr15      | 90315001 | 90320000 | 7.19E-27   |
| chr15      | 90316001 | 90321000 | 1.02E-13   |
| chr15      | 90317001 | 90322000 | 3.76E-20   |
| chr15      | 90318001 | 90323000 | 9.83E-20   |
| chr15      | 90319001 | 90324000 | 4.28E-09   |
| chr15      | 90433001 | 90438000 | 8.23E-32   |
| chr15      | 90434001 | 90439000 | 2.24E-37   |
| chr15      | 90435001 | 90440000 | 4.19E-46   |
| chr15      | 90436001 | 90441000 | 2.10E-52   |
| chr15      | 90437001 | 90442000 | 4.69E-28   |
| chr15      | 90451001 | 90456000 | 3.28E-08   |
| chr15      | 90452001 | 90457000 | 6.85E-10   |
| chr15      | 90453001 | 90458000 | 1.31E-17   |
| chr15      | 90454001 | 90459000 | 2.13E-28   |
| chr15      | 90455001 | 90460000 | 4.34E-39   |
| chr15      | 90456001 | 90461000 | 1.00E-24   |
| chr15      | 90641001 | 90646000 | 1.12E-16   |
| chr15      | 90644001 | 90649000 | 1.62E-11   |
| chr15      | 90645001 | 90650000 | 4.14E-12   |
| chr15      | 90723001 | 90728000 | 1.71E-14   |
| chr15      | 90724001 | 90729000 | 2.33E-33   |
| chr15      | 90728001 | 90733000 | 3.17E-17   |
|          | Start         | End          | Score   |
|----------|---------------|--------------|---------|
| chr15    | 90745001      | 90750000     | 1.97E-06|
| chr15    | 90792001      | 90797000     | 1.18E-08|
| chr15    | 91069001      | 91074000     | 5.90E-34|
| chr15    | 91070001      | 91075000     | 1.85E-37|
| chr15    | 91071001      | 91076000     | 7.92E-38|
| chr15    | 91073001      | 91078000     | 1.18E-18|
| chr15    | 91205001      | 91210000     | 5.56E-19|
| chr15    | 91442001      | 91447000     | 4.16E-37|
| chr15    | 91446001      | 91451000     | 2.28E-24|
| chr15    | 91533001      | 91538000     | 5.54E-25|
| chr15    | 91648001      | 91653000     | 5.86E-13|
| chr15    | 91660001      | 91665000     | 8.29E-13|
| chr15    | 91661001      | 91666000     | 3.35E-18|
| chr15    | 91662001      | 91667000     | 1.92E-18|
| chr15    | 91663001      | 91668000     | 1.19E-19|
| chr15    | 91664001      | 91669000     | 4.25E-14|
| chr15    | 91743001      | 91748000     | 1.32E-06|
| chr15    | 91744001      | 91749000     | 1.83E-08|
| chr15    | 91745001      | 91750000     | 8.97E-08|
| chr15    | 91746001      | 91751000     | 8.78E-09|
| chr15    | 91870001      | 91875000     | 1.61E-11|
| chr15    | 91871001      | 91876000     | 3.32E-15|
| chr15    | 91872001      | 91877000     | 9.31E-14|
| chr15    | 91873001      | 91878000     | 2.05E-08|
| chr15    | 92033001      | 92038000     | 5.38E-05|
| chr15    | 92034001      | 92039000     | 0.007407052|
| chr15    | 92045001      | 92050000     | 3.83E-12|
| chr15    | 92046001      | 92051000     | 5.68E-10|
| chr15    | 92047001      | 92052000     | 2.25E-10|
| chr15    | 92143001      | 92148000     | 3.58E-05|
| chr15    | 92183001      | 92188000     | 6.15E-06|
| chr15    | 92240001      | 92245000     | 1.47E-10|
| chr15    | 92241001      | 92246000     | 5.19E-12|
| chr15    | 92242001      | 92247000     | 2.37E-07|
| chr15    | 92281001      | 92286000     | 3.71E-10|
| chr15    | 92282001      | 92287000     | 2.55E-09|
| chr15    | 92283001      | 92288000     | 2.23E-07|
| chr15    | 92284001      | 92289000     | 2.02E-10|
| chr15    | 92286001      | 92291000     | 0.00044723|
| chr15    | 92316001      | 92321000     | 1.73E-08|
| chr15    | 92341001      | 92346000     | 1.11E-09|
| chr15    | 92392001      | 92397000     | 1.46E-26|
| chr15    | 92768001      | 92773000     | 2.61E-07|
| chr15    | 92783001      | 92788000     | 6.23E-08|
| chr15    | 92847001      | 92852000     | 7.03E-14|
| chr15    | 92848001      | 92853000     | 5.11E-11|
| chr15    | 93194001      | 93199000     | 3.95E-23|
| chr15    | 93422001      | 93427000     | 1.95E-36|
| chr 15 | Start | End   | p-value |
|--------|-------|-------|---------|
| chr15  | 93739001 | 93744000 | 2.79E-06 |
| chr15  | 93794001 | 93799000 | 2.55E-13 |
| chr15  | 93795001 | 93800000 | 5.62E-13 |
| chr15  | 93796001 | 93810000 | 1.41E-13 |
| chr15  | 93798001 | 93803000 | 1.57E-18 |
| chr15  | 93926001 | 93931000 | 7.39E-11 |
| chr15  | 93928001 | 93933000 | 1.53E-13 |
| chr15  | 93929001 | 93934000 | 3.10E-11 |
| chr15  | 93930001 | 93935000 | 3.54E-06 |
| chr15  | 93962001 | 93967000 | 2.83E-08 |
| chr15  | 93963001 | 93968000 | 3.79E-10 |
| chr15  | 93964001 | 93969000 | 6.86E-16 |
| chr15  | 93965001 | 93970000 | 3.29E-22 |
| chr15  | 93966001 | 93971000 | 1.41E-17 |
| chr15  | 93967001 | 93972000 | 1.26E-12 |
| chr15  | 93975001 | 93980000 | 4.29E-07 |
| chr15  | 94074001 | 94079000 | 9.52E-08 |
| chr15  | 94075001 | 94080000 | 6.70E-16 |
| chr15  | 94098001 | 94103000 | 4.55E-11 |
| chr15  | 94099001 | 94104000 | 3.94E-13 |
| chr15  | 94100001 | 94105000 | 4.16E-06 |
| chr15  | 94101001 | 94106000 | 3.65E-06 |
| chr15  | 94102001 | 94107000 | 7.76E-08 |
| chr15  | 94115001 | 94120000 | 4.30E-10 |
| chr15  | 94167001 | 94172000 | 1.87E-05 |
| chr15  | 94168001 | 94173000 | 4.08E-10 |
| chr15  | 94169001 | 94174000 | 4.31E-11 |
| chr15  | 94170001 | 94175000 | 1.11E-09 |
| chr15  | 94171001 | 94176000 | 1.03E-15 |
| chr15  | 94172001 | 94177000 | 1.31E-12 |
| chr15  | 94173001 | 94178000 | 7.99E-11 |
| chr15  | 94174001 | 94179000 | 4.08E-09 |
| chr15  | 94175001 | 94180000 | 9.47E-11 |
| chr15  | 94177001 | 94182000 | 6.73E-09 |
| chr15  | 94205001 | 94210000 | 1.74E-06 |
| chr15  | 94224001 | 94229000 | 2.35E-05 |
| chr15  | 94225001 | 94230000 | 1.68E-05 |
| chr15  | 94250001 | 94255000 | 6.60E-06 |
| chr15  | 94276001 | 94281000 | 5.30E-08 |
| chr15  | 94277001 | 94282000 | 1.25E-08 |
| chr15  | 94278001 | 94283000 | 9.55E-06 |
| chr15  | 94286001 | 94291000 | 4.03E-08 |
| chr15  | 94287001 | 94292000 | 9.99E-09 |
| chr15  | 94288001 | 94293000 | 3.10E-08 |
| chr15  | 94292001 | 94297000 | 6.77E-06 |
| chr15  | 94293001 | 94298000 | 9.14E-09 |
| chr15  | 94294001 | 94299000 | 5.69E-13 |
| chr15  | 94295001 | 94300000 | 1.46E-11 |
| Chromosome | Start Position | End Position | P-value |
|------------|---------------|-------------|---------|
| chr15      | 94296001      | 94301000    | 4.23E-11|
| chr15      | 94331001      | 94336000    | 4.88E-11|
| chr15      | 94352001      | 94357000    | 2.29E-07|
| chr15      | 94401001      | 94406000    | 0.005034627|
| chr15      | 94416001      | 94421000    | 0.000292984|
| chr15      | 94417001      | 94422000    | 0.000515581|
| chr15      | 94418001      | 94423000    | 1.03E-15|
| chr15      | 94419001      | 94424000    | 1.54E-16|
| chr15      | 94420001      | 94425000    | 1.49E-12|
| chr15      | 94421001      | 94426000    | 2.85E-11|
| chr15      | 94422001      | 94427000    | 6.18E-05|
| chr15      | 94430001      | 94448000    | 1.43E-12|
| chr15      | 94479001      | 94484000    | 0.001478759|
| chr15      | 94827001      | 94832000    | 6.62E-07|
| chr15      | 94828001      | 94833000    | 4.10E-06|
| chr15      | 94829001      | 94834000    | 3.20E-07|
| chr15      | 94830001      | 94835000    | 1.71E-06|
| chr15      | 94858001      | 94863000    | 4.69E-06|
| chr15      | 94987001      | 94992000    | 1.11E-05|
| chr15      | 94988001      | 94993000    | 2.18E-08|
| chr15      | 94989001      | 94994000    | 2.08E-05|
| chr15      | 95231001      | 95236000    | 6.58E-06|
| chr15      | 95232001      | 95237000    | 0.000521652|
| chr15      | 95275001      | 95280000    | 2.62E-08|
| chr15      | 95313001      | 95318000    | 1.52E-07|
| chr15      | 95314001      | 95319000    | 0.000394381|
| chr15      | 95315001      | 95320000    | 6.38E-05|
| chr15      | 95567001      | 95572000    | 9.67E-05|
| chr15      | 95568001      | 95573000    | 5.68E-05|
| chr15      | 95626001      | 95631000    | 9.56E-09|
| chr15      | 95799001      | 95804000    | 0.000111951|
| chr15      | 95800001      | 95805000    | 6.96E-05|
| chr15      | 95801001      | 95806000    | 0.000500981|
| chr15      | 95802001      | 95807000    | 0.00070569|
| chr15      | 95867001      | 95872000    | 1.02E-25|
| chr15      | 95868001      | 95873000    | 2.44E-40|
| chr15      | 95869001      | 95874000    | 5.80E-38|
| chr15      | 95870001      | 95875000    | 4.97E-34|
| chr15      | 95896001      | 95901000    | 0.001560346|
| chr15      | 95921001      | 95926000    | 0.013014178|
| chr15      | 95949001      | 95954000    | 6.98E-05|
| chr15      | 95950001      | 95955000    | 2.52E-05|
| chr15      | 95951001      | 95956000    | 3.73E-05|
| chr15      | 95960001      | 95965000    | 1.64E-05|
| chr15      | 95961001      | 95966000    | 1.95E-06|
| chr15      | 95962001      | 95967000    | 5.46E-09|
| chr15      | 95963001      | 95968000    | 1.57E-07|
| chr15      | 95964001      | 95969000    | 7.38E-08|
| Chromosome | Start Base | End Base | p-value |
|------------|------------|----------|---------|
| chr15      | 95999001   | 9604000  | 0.000206911 |
| chr15      | 96050001   | 96055000 | 0.000589569 |
| chr15      | 96070001   | 96075000 | 8.59E-06   |
| chr15      | 96071001   | 96076000 | 6.20E-09   |
| chr15      | 96072001   | 96077000 | 7.00E-08   |
| chr15      | 96411001   | 96416000 | 1.11E-07   |
| chr15      | 96526001   | 96531000 | 0.000118339 |
| chr15      | 96527001   | 96532000 | 0.000146788 |
| chr15      | 96925001   | 96930000 | 1.86E-06   |
| chr15      | 97144001   | 97149000 | 2.30E-11   |
| chr15      | 97720001   | 97725000 | 4.66E-12   |
| chr15      | 98076001   | 98081000 | 3.39E-06   |
| chr15      | 98078001   | 98083000 | 0.002408479 |
| chr15      | 98175001   | 98180000 | 0.013767463 |
| chr15      | 98176001   | 98181000 | 0.011457243 |
| chr15      | 98212001   | 98217000 | 2.23E-08   |
| chr15      | 98273001   | 98278000 | 0.000230273 |
| chr15      | 98281001   | 98286000 | 0.001798415 |
| chr15      | 98315001   | 98320000 | 9.70E-08   |
| chr15      | 98340001   | 98345000 | 1.23E-05   |
| chr15      | 98367001   | 98372000 | 8.89E-05   |
| chr15      | 98504001   | 98509000 | 5.95E-55   |
| chr15      | 98505001   | 98510000 | 7.73E-06   |
| chr15      | 98600001   | 98605000 | 0.00171372  |
| chr15      | 98601001   | 98606000 | 0.001462519 |
| chr15      | 98636001   | 98641000 | 5.50E-13   |
| chr15      | 98709001   | 98714000 | 4.81E-05   |
| chr15      | 98711001   | 98716000 | 8.57E-06   |
| chr15      | 98858001   | 98863000 | 1.71E-08   |
| chr15      | 98882001   | 98887000 | 1.99E-14   |
| chr15      | 98970001   | 98975000 | 1.12E-10   |
| chr15      | 99087001   | 99092000 | 3.59E-20   |
| chr15      | 99187001   | 99192000 | 3.64E-40   |
| chr15      | 99188001   | 99193000 | 1.95E-50   |
| chr15      | 99321001   | 99326000 | 4.74E-11   |
| chr15      | 99322001   | 99327000 | 3.01E-12   |
| chr15      | 100106001  | 100111000 | 1.21E-73  |
| chr15      | 100107001  | 100112000 | 1.42E-27  |
| chr15      | 100273001  | 100278000 | 4.90E-18  |
| chr15      | 100342001  | 100347000 | 7.98E-17  |
| chr15      | 100345001  | 100350000 | 7.10E-12  |
| chr15      | 100346001  | 100351000 | 8.55E-10  |
| chr15      | 100409001  | 100414000 | 0.003393404 |
| chr15      | 100410001  | 100415000 | 0.00288728 |
| chr15      | 100433001  | 100438000 | 5.86E-08  |
| chr15      | 100434001  | 100439000 | 1.77E-08  |
| chr15      | 100435001  | 100440000 | 3.10E-08  |
| Chromosome | Start | End | P-Value |
|------------|-------|-----|---------|
| chr15      | 100436001 | 100441000 | 1.49E-05 |
| chr15      | 100441001 | 100446000 | 0.000933373 |
| chr15      | 100442001 | 100447000 | 4.92E-06 |
| chr15      | 100443001 | 100448000 | 3.59E-05 |
| chr15      | 100448001 | 100453000 | 5.52E-11 |
| chr15      | 100449001 | 100454000 | 2.95E-10 |
| chr15      | 100450001 | 100455000 | 4.08E-14 |
| chr15      | 100466001 | 100471000 | 1.25E-15 |
| chr15      | 100467001 | 100472000 | 9.46E-11 |
| chr15      | 100468001 | 100473000 | 3.08E-11 |
| chr15      | 100476001 | 100481000 | 1.84E-06 |
| chr15      | 100477001 | 100482000 | 5.06E-06 |
| chr15      | 100478001 | 100483000 | 2.55E-06 |
| chr15      | 100553001 | 100558000 | 7.94E-15 |
| chr15      | 100556001 | 100561000 | 2.98E-14 |
| chr15      | 100565001 | 100570000 | 2.86E-16 |
| chr15      | 100567001 | 100572000 | 1.99E-14 |
| chr15      | 100568001 | 100573000 | 4.59E-16 |
| chr15      | 100598001 | 100603000 | 1.21E-14 |
| chr15      | 100599001 | 100604000 | 2.04E-13 |
| chr15      | 100609001 | 100614000 | 2.98E-14 |
| chr15      | 100615001 | 100620000 | 0.003985028 |
| chr15      | 100633001 | 100638000 | 1.07E-15 |
| chr15      | 100634001 | 100639000 | 4.05E-18 |
| chr15      | 100635001 | 100640000 | 1.04E-19 |
| chr15      | 100636001 | 100641000 | 1.48E-20 |
| chr15      | 100658001 | 100663000 | 1.96E-10 |
| chr15      | 100682001 | 100687000 | 1.50E-13 |
| chr15      | 100684001 | 100689000 | 1.07E-12 |
| chr15      | 100690001 | 100695000 | 5.32E-08 |
| chr15      | 100691001 | 100696000 | 3.31E-11 |
| chr15      | 100693001 | 100698000 | 2.65E-19 |
| chr15      | 100694001 | 100699000 | 3.72E-20 |
| chr15      | 100695001 | 100700000 | 1.39E-19 |
| chr15      | 100696001 | 100701000 | 3.81E-18 |
| chr15      | 100697001 | 100702000 | 5.91E-32 |
| chr15      | 100698001 | 100703000 | 7.76E-21 |
| chr15      | 100699001 | 100704000 | 8.39E-15 |
| chr15      | 100703001 | 100708000 | 9.08E-12 |
| chr15      | 100717001 | 100722000 | 1.13E-16 |
| chr15      | 100718001 | 100723000 | 2.46E-19 |
| chr15      | 100719001 | 100724000 | 2.30E-19 |
| chr15      | 100720001 | 100725000 | 4.49E-21 |
| chr15      | 100721001 | 100726000 | 1.89E-14 |
| chr15      | 100734001 | 100739000 | 1.92E-39 |
| chr15      | 100735001 | 100740000 | 3.78E-27 |
| chr15      | 100762001 | 100767000 | 7.09E-09 |
| chr15      | 100763001 | 100768000 | 1.72E-09 |
| Chromosome | Start    | End      | P-value  |
|------------|----------|----------|----------|
| chr15      | 100766001| 100771000| 4.92E-17 |
| chr15      | 100767001| 100772000| 3.30E-14 |
| chr15      | 100768001| 100773000| 1.04E-23 |
| chr15      | 100782001| 100787000| 3.11E-17 |
| chr15      | 100811001| 100816000| 8.18E-09 |
| chr15      | 100812001| 100817000| 5.38E-12 |
| chr15      | 100843001| 100848000| 5.23E-14 |
| chr15      | 100844001| 100849000| 9.51E-16 |
| chr15      | 100845001| 100850000| 7.37E-19 |
| chr15      | 100846001| 100851000| 8.84E-17 |
| chr15      | 100848001| 100853000| 6.92E-17 |
| chr15      | 100849001| 100854000| 2.41E-20 |
| chr15      | 100860001| 100865000| 2.33E-20 |
| chr15      | 100861001| 100866000| 4.82E-16 |
| chr15      | 100862001| 100867000| 3.46E-20 |
| chr15      | 100863001| 100868000| 6.68E-26 |
| chr15      | 100864001| 100869000| 1.75E-24 |
| chr15      | 100865001| 100870000| 4.81E-16 |
| chr15      | 100894001| 100899000| 6.74E-09 |
| chr15      | 100897001| 100902000| 2.11E-10 |
| chr15      | 100898001| 100903000| 2.86E-13 |
| chr15      | 100922001| 100927000| 4.27E-12 |
| chr15      | 100934001| 100939000| 8.26E-10 |
| chr15      | 100935001| 100940000| 9.76E-12 |
| chr15      | 100936001| 100941000| 6.73E-10 |
| chr15      | 100943001| 100948000| 0.000277087|
| chr15      | 100945001| 100950000| 1.94E-05 |
| chr15      | 100947001| 100952000| 5.85E-10 |
| chr15      | 100948001| 100953000| 4.81E-13 |
| chr15      | 100949001| 100954000| 7.03E-13 |
| chr15      | 100950001| 100955000| 3.96E-12 |
| chr15      | 100951001| 100956000| 1.92E-12 |
| chr15      | 100952001| 100957000| 2.03E-08 |
| chr15      | 100974001| 100979000| 2.17E-06 |
| chr15      | 100978001| 100983000| 6.98E-09 |
| chr15      | 101006001| 101011000| 3.27E-12 |
| chr15      | 101026001| 101031000| 9.09E-07 |
| chr15      | 101028001| 101033000| 3.26E-06 |
| chr15      | 101043001| 101048000| 2.14E-09 |
| chr15      | 101053001| 101058000| 1.08E-05 |
| chr15      | 101073001| 101078000| 2.26E-13 |
| chr15      | 101075001| 101080000| 7.03E-10 |
| chr15      | 101076001| 101081000| 1.14E-12 |
| chr15      | 101138001| 101143000| 7.11E-26 |
| chr15      | 101141001| 101146000| 2.40E-62 |
| chr15      | 101142001| 101147000| 3.40E-68 |
| chr15      | 101415001| 101420000| 3.99E-24 |
| chr15      | 101514001| 101519000| 2.11E-18 |
| Chromosome | Start Position | End Position | p-value   |
|------------|----------------|--------------|-----------|
| chr15      | 101813001      | 101818000    | 1.38E-37  |
| chr15      | 101815001      | 101820000    | 5.97E-47  |
| chr15      | 101816001      | 101821000    | 1.71E-35  |
| chr15      | 101817001      | 101822000    | 1.42E-51  |
| chr15      | 102025001      | 102030000    | 3.11E-27  |
| chr15      | 102026001      | 102031000    | 2.55E-22  |
| chr15      | 102027001      | 102032000    | 3.77E-15  |
| chr15      | 102028001      | 102033000    | 1.96E-15  |
| chr15      | 102029001      | 102034000    | 3.86E-12  |
| chr15      | 102188001      | 102193000    | 8.27E-90  |
| chr15      | 102261001      | 102266000    | 6.46E-27  |
| chr15      | 102263001      | 102268000    | 8.65E-44  |
| chr15      | 102264001      | 102269000    | 7.10E-55  |
| chr15      | 102323001      | 102328000    | 4.38E-13  |
| chr15      | 102324001      | 102329000    | 2.19E-14  |
| chr15      | 102325001      | 102330000    | 4.09E-19  |
| chr15      | 102393001      | 102398000    | 0.000152252 |
| chr15      | 102434001      | 102439000    | 4.58E-06  |
| chr15      | 102497001      | 102502000    | 6.01E-18  |
| chr15      | 102499001      | 102504000    | 3.78E-25  |
| chr16      | 126001         | 131000       | 1.04E-15  |
| chr16      | 127001         | 132000       | 1.63E-17  |
| chr16      | 212001         | 217000       | 0.014900424 |
| chr16      | 398001         | 403000       | 4.12E-18  |
| chr16      | 399001         | 404000       | 4.20E-25  |
| chr16      | 400001         | 405000       | 1.47E-14  |
| chr16      | 690001         | 695000       | 1.63E-15  |
| chr16      | 752001         | 757000       | 7.33E-17  |
| chr16      | 835001         | 840000       | 1.40E-14  |
| chr16      | 1460001        | 1465000      | 8.40E-24  |
| chr16      | 1522001        | 1527000      | 1.09E-32  |
| chr16      | 1523001        | 1528000      | 1.35E-35  |
| chr16      | 1524001        | 1529000      | 5.10E-48  |
| chr16      | 1525001        | 1530000      | 2.25E-28  |
| chr16      | 1656001        | 1661000      | 1.07E-30  |
| chr16      | 1664001        | 1669000      | 4.23E-31  |
| chr16      | 1724001        | 1729000      | 2.98E-31  |
| chr16      | 1752001        | 1757000      | 1.08E-19  |
| chr16      | 1821001        | 1826000      | 6.43E-18  |
| chr16      | 1872001        | 1877000      | 3.70E-16  |
| chr16      | 2006001        | 2011000      | 4.72E-21  |
| chr16      | 2032001        | 2037000      | 2.22E-13  |
| chr16      | 2033001        | 2038000      | 3.35E-12  |
| chr16      | 2095001        | 2100000      | 5.17E-27  |
| chr16      | 2097001        | 2102000      | 9.20E-20  |
| chr16      | 2242001        | 2247000      | 1.06E-08  |
| chr16      | 2386001        | 2391000      | 1.44E-53  |
| chr16      | 2387001        | 2392000      | 1.38E-31  |
| Chromosome | Start  | End    | Value   |
|------------|--------|--------|---------|
| chr16      | 2389001| 2394000| 7.93E-20|
| chr16      | 2390001| 2395000| 1.90E-19|
| chr16      | 2560001| 2565000| 9.49E-06|
| chr16      | 2581001| 2586000| 3.24E-09|
| chr16      | 2651001| 2656000| 1.04E-30|
| chr16      | 2652001| 2657000| 1.87E-27|
| chr16      | 2798001| 2803000| 7.81E-27|
| chr16      | 2914001| 2919000| 1.41E-17|
| chr16      | 2915001| 2920000| 1.85E-17|
| chr16      | 2916001| 2921000| 3.80E-24|
| chr16      | 2917001| 2922000| 1.01E-27|
| chr16      | 2931001| 2936000| 6.90E-26|
| chr16      | 2932001| 2937000| 1.03E-24|
| chr16      | 2933001| 2938000| 7.76E-42|
| chr16      | 2951001| 2956000| 3.08E-37|
| chr16      | 3028001| 3033000| 6.60E-13|
| chr16      | 3092001| 3097000| 6.91E-14|
| chr16      | 3093001| 3098000| 3.33E-13|
| chr16      | 3094001| 3099000| 1.99E-16|
| chr16      | 3095001| 3100000| 7.91E-07|
| chr16      | 3231001| 3236000| 3.20E-19|
| chr16      | 3232001| 3237000| 9.54E-17|
| chr16      | 3280001| 3285000| 6.25E-20|
| chr16      | 3281001| 3286000| 5.21E-18|
| chr16      | 3312001| 3317000| 3.23E-30|
| chr16      | 3313001| 3318000| 7.89E-35|
| chr16      | 3328001| 3333000| 1.01E-29|
| chr16      | 3329001| 3334000| 3.97E-39|
| chr16      | 3331001| 3336000| 4.20E-25|
| chr16      | 3333001| 3338000| 1.57E-14|
| chr16      | 3351001| 3356000| 2.69E-62|
| chr16      | 3352001| 3357000| 1.32E-45|
| chr16      | 3353001| 3358000| 9.67E-37|
| chr16      | 3354001| 3359000| 8.39E-33|
| chr16      | 3355001| 3360000| 4.30E-20|
| chr16      | 3657001| 3662000| 1.77E-51|
| chr16      | 3764001| 3769000| 7.92E-11|
| chr16      | 3765001| 3770000| 1.19E-12|
| chr16      | 3766001| 3771000| 6.47E-16|
| chr16      | 3767001| 3772000| 5.49E-20|
| chr16      | 3925001| 3930000| 7.27E-23|
| chr16      | 3926001| 3931000| 2.28E-39|
| chr16      | 3927001| 3932000| 5.57E-22|
| chr16      | 3928001| 3933000| 7.66E-20|
| chr16      | 3929001| 3934000| 6.35E-17|
| chr16      | 3930001| 3935000| 1.05E-12|
| chr16      | 4165001| 4170000| 5.36E-15|
| chr16      | 4166001| 4171000| 8.57E-14|
| Chr | Start | End   | P-value   |
|-----|-------|-------|-----------|
| chr16 | 4319001 | 4324000 | 1.12E-08 |
| chr16 | 4322001 | 4327000 | 4.09E-08 |
| chr16 | 4323001 | 4328000 | 1.17E-05 |
| chr16 | 4474001 | 4479000 | 7.76E-18 |
| chr16 | 4985001 | 4990000 | 3.80E-09 |
| chr16 | 5163001 | 5168000 | 3.01E-19 |
| chr16 | 5164001 | 5169000 | 4.37E-19 |
| chr16 | 5165001 | 5170000 | 2.45E-17 |
| chr16 | 5174001 | 5179000 | 1.98E-06 |
| chr16 | 5301001 | 5306000 | 2.38E-07 |
| chr16 | 5610001 | 5615000 | 1.14E-10 |
| chr16 | 5611001 | 5616000 | 6.44E-09 |
| chr16 | 5674001 | 5679000 | 1.01E-07 |
| chr16 | 5675001 | 5680000 | 4.66E-08 |
| chr16 | 5693001 | 5698000 | 4.27E-13 |
| chr16 | 5709001 | 5714000 | 1.63E-13 |
| chr16 | 5741001 | 5746000 | 4.57E-10 |
| chr16 | 5742001 | 5747000 | 2.43E-11 |
| chr16 | 5770001 | 5775000 | 2.55E-08 |
| chr16 | 5771001 | 5776000 | 1.12E-07 |
| chr16 | 5794001 | 5799000 | 2.74E-16 |
| chr16 | 5796001 | 5801000 | 4.25E-20 |
| chr16 | 5809001 | 5814000 | 3.27E-09 |
| chr16 | 5856001 | 5861000 | 3.21E-08 |
| chr16 | 5857001 | 5862000 | 3.96E-10 |
| chr16 | 5930001 | 5935000 | 2.62E-08 |
| chr16 | 5973001 | 5978000 | 1.90E-05 |
| chr16 | 5974001 | 5979000 | 4.15E-05 |
| chr16 | 5997001 | 6002000 | 1.18E-11 |
| chr16 | 6023001 | 6028000 | 1.97E-14 |
| chr16 | 6067001 | 6072000 | 2.36E-21 |
| chr16 | 6068001 | 6073000 | 5.48E-19 |
| chr16 | 6069001 | 6074000 | 4.50E-26 |
| chr16 | 6070001 | 6075000 | 1.38E-24 |
| chr16 | 6108001 | 6113000 | 6.18E-07 |
| chr16 | 6110001 | 6115000 | 1.19E-06 |
| chr16 | 6117001 | 6122000 | 1.25E-07 |
| chr16 | 6118001 | 6123000 | 5.69E-07 |
| chr16 | 6119001 | 6124000 | 6.84E-07 |
| chr16 | 6121001 | 6126000 | 5.66E-08 |
| chr16 | 6123001 | 6128000 | 2.77E-11 |
| chr16 | 6137001 | 6142000 | 1.36E-09 |
| chr16 | 6138001 | 6143000 | 3.72E-08 |
| chr16 | 6172001 | 6177000 | 1.77E-09 |
| chr16 | 6173001 | 6178000 | 6.49E-14 |
| chr16 | 6174001 | 6179000 | 3.80E-09 |
| chr16 | 6175001 | 6180000 | 3.00E-07 |
| chr16 | 6226001 | 6231000 | 7.19E-07 |
| Chr  | Start | End   | p-value     |
|------|-------|-------|-------------|
| chr16| 6227001 | 6232000 | 8.48E-07   |
| chr16| 6228001 | 6234000 | 3.20E-08   |
| chr16| 6229001 | 6234000 | 6.75E-07   |
| chr16| 6398001 | 6403000 | 1.48E-16   |
| chr16| 6430001 | 6435000 | 2.87E-10   |
| chr16| 6454001 | 6459000 | 1.49E-05   |
| chr16| 6470001 | 6475000 | 2.69E-18   |
| chr16| 6471001 | 6476000 | 8.96E-16   |
| chr16| 6561001 | 6566000 | 2.24E-14   |
| chr16| 6595001 | 6600000 | 7.26E-16   |
| chr16| 6718001 | 6723000 | 1.70E-06   |
| chr16| 6719001 | 6724000 | 1.41E-12   |
| chr16| 6720001 | 6725000 | 1.06E-19   |
| chr16| 6721001 | 6726000 | 1.88E-19   |
| chr16| 6727001 | 6732000 | 4.22E-08   |
| chr16| 6826001 | 6831000 | 6.39E-05   |
| chr16| 6827001 | 6832000 | 0.002031886|
| chr16| 7116001 | 7121000 | 2.29E-05   |
| chr16| 7117001 | 7122000 | 4.76E-05   |
| chr16| 7223001 | 7228000 | 1.26E-05   |
| chr16| 7534001 | 7539000 | 7.51E-13   |
| chr16| 7809001 | 7814000 | 9.89E-13   |
| chr16| 7810001 | 7815000 | 6.54E-15   |
| chr16| 7824001 | 7829000 | 3.19E-08   |
| chr16| 7825001 | 7830000 | 5.00E-08   |
| chr16| 7939001 | 7944000 | 1.16E-06   |
| chr16| 7956001 | 7961000 | 2.66E-08   |
| chr16| 7959001 | 7964000 | 3.72E-08   |
| chr16| 7960001 | 7965000 | 0.000269623|
| chr16| 8035001 | 8040000 | 0.000108253|
| chr16| 8036001 | 8041000 | 1.05E-06   |
| chr16| 8052001 | 8057000 | 5.08E-07   |
| chr16| 8067001 | 8072000 | 1.86E-08   |
| chr16| 8068001 | 8073000 | 7.19E-08   |
| chr16| 8069001 | 8074000 | 8.67E-08   |
| chr16| 8244001 | 8249000 | 2.08E-11   |
| chr16| 8246001 | 8251000 | 2.16E-11   |
| chr16| 8292001 | 8297000 | 5.62E-11   |
| chr16| 8390001 | 8395000 | 1.04E-05   |
| chr16| 8460001 | 8465000 | 7.83E-11   |
| chr16| 8461001 | 8466000 | 4.30E-14   |
| chr16| 8462001 | 8467000 | 1.12E-11   |
| chr16| 8889001 | 8894000 | 7.48E-20   |
| chr16| 8890001 | 8895000 | 2.09E-19   |
| chr16| 8891001 | 8896000 | 5.80E-15   |
| chr16| 9181001 | 9186000 | 2.87E-25   |
| chr16| 9515001 | 9520000 | 5.93E-22   |
| chr16| 9516001 | 9521000 | 1.94E-19   |
| Chr | Start | End   | p-value   |
|-----|-------|-------|-----------|
| chr16 | 9732001 | 9737000 | 1.78E-05  |
| chr16 | 9734001 | 9739000 | 6.60E-07  |
| chr16 | 9749001 | 9754000 | 9.43E-14  |
| chr16 | 9784001 | 9789000 | 2.93E-05  |
| chr16 | 9786001 | 9791000 | 1.44E-08  |
| chr16 | 9912001 | 9917000 | 2.15E-09  |
| chr16 | 9979001 | 9984000 | 4.89E-08  |
| chr16 | 10018001 | 10023000 | 3.52E-11 |
| chr16 | 10019001 | 10024000 | 1.05E-11 |
| chr16 | 10020001 | 10025000 | 5.23E-12 |
| chr16 | 10021001 | 10026000 | 2.88E-12 |
| chr16 | 10073001 | 10078000 | 4.04E-09 |
| chr16 | 10074001 | 10079000 | 2.30E-10 |
| chr16 | 10075001 | 10080000 | 8.36E-09 |
| chr16 | 10076001 | 10081000 | 3.08E-05 |
| chr16 | 10077001 | 10082000 | 6.14E-05 |
| chr16 | 10099001 | 10104000 | 4.87E-06 |
| chr16 | 10100001 | 10105000 | 4.08E-06 |
| chr16 | 10192001 | 10197000 | 7.98E-11 |
| chr16 | 10193001 | 10198000 | 3.42E-12 |
| chr16 | 10236001 | 10241000 | 7.40E-11 |
| chr16 | 10262001 | 10267000 | 1.43E-06 |
| chr16 | 10362001 | 10367000 | 5.21E-05 |
| chr16 | 10380001 | 10385000 | 2.86E-08 |
| chr16 | 10462001 | 10467000 | 0.000394482 |
| chr16 | 10463001 | 10468000 | 0.000361893 |
| chr16 | 10464001 | 10469000 | 5.60E-05 |
| chr16 | 10518001 | 10523000 | 4.48E-09 |
| chr16 | 10564001 | 10569000 | 4.88E-07 |
| chr16 | 10565001 | 10570000 | 2.79E-06 |
| chr16 | 10600001 | 10605000 | 1.67E-10 |
| chr16 | 10647001 | 10652000 | 2.59E-08 |
| chr16 | 10674001 | 10679000 | 5.24E-11 |
| chr16 | 10789001 | 10794000 | 8.81E-06 |
| chr16 | 10790001 | 10795000 | 1.84E-05 |
| chr16 | 10888001 | 10893000 | 3.00E-09 |
| chr16 | 11680001 | 11685000 | 2.46E-09 |
| chr16 | 11886001 | 11891000 | 6.71E-19 |
| chr16 | 11887001 | 11892000 | 3.98E-34 |
| chr16 | 11888001 | 11893000 | 6.82E-35 |
| chr16 | 11889001 | 11894000 | 4.59E-22 |
| chr16 | 11890001 | 11895000 | 1.35E-17 |
| chr16 | 11891001 | 11896000 | 1.76E-12 |
| chr16 | 11940001 | 11945000 | 2.52E-17 |
| chr16 | 11941001 | 11946000 | 2.62E-55 |
| chr16 | 11942001 | 11947000 | 2.75E-46 |
| chr16 | 11943001 | 11948000 | 8.99E-25 |
| chr16 | 11944001 | 11949000 | 2.81E-16 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr16      | 12991001       | 12996000     | 2.73E-09 |
| chr16      | 13742001       | 13747000     | 2.24E-09 |
| chr16      | 13743001       | 13748000     | 1.68E-10 |
| chr16      | 13744001       | 13749000     | 9.21E-09 |
| chr16      | 13759001       | 13764000     | 0.001842018 |
| chr16      | 13820001       | 13825000     | 1.37E-07 |
| chr16      | 13821001       | 13826000     | 5.74E-11 |
| chr16      | 14013001       | 14018000     | 2.08E-52 |
| chr16      | 14014001       | 14019000     | 3.90E-55 |
| chr16      | 14161001       | 14166000     | 1.69E-33 |
| chr16      | 14162001       | 14167000     | 4.44E-33 |
| chr16      | 14163001       | 14168000     | 4.41E-37 |
| chr16      | 14164001       | 14169000     | 2.23E-44 |
| chr16      | 14165001       | 14170000     | 6.21E-69 |
| chr16      | 14277001       | 14282000     | 1.11E-07 |
| chr16      | 14278001       | 14283000     | 2.80E-09 |
| chr16      | 14279001       | 14284000     | 4.87E-12 |
| chr16      | 14280001       | 14285000     | 8.21E-12 |
| chr16      | 14719001       | 14724000     | 3.24E-14 |
| chr16      | 14720001       | 14725000     | 9.64E-17 |
| chr16      | 14918001       | 14923000     | 1.78E-10 |
| chr16      | 14923001       | 14928000     | 4.36E-19 |
| chr16      | 15069001       | 15074000     | 4.88E-49 |
| chr16      | 15145001       | 15150000     | 1.45E-20 |
| chr16      | 15146001       | 15151000     | 1.18E-28 |
| chr16      | 15147001       | 15152000     | 2.65E-26 |
| chr16      | 15148001       | 15153000     | 1.71E-24 |
| chr16      | 15149001       | 15154000     | 2.81E-29 |
| chr16      | 15247001       | 15252000     | 4.76E-13 |
| chr16      | 15426001       | 15431000     | 0.000744761 |
| chr16      | 15526001       | 15531000     | 8.79E-16 |
| chr16      | 15527001       | 15532000     | 1.54E-11 |
| chr16      | 15528001       | 15533000     | 4.32E-13 |
| chr16      | 15951001       | 15956000     | 5.05E-20 |
| chr16      | 15952001       | 15957000     | 2.55E-17 |
| chr16      | 15978001       | 15983000     | 9.96E-45 |
| chr16      | 15979001       | 15984000     | 2.01E-24 |
| chr16      | 16039001       | 16044000     | 2.63E-33 |
| chr16      | 16040001       | 16045000     | 1.21E-27 |
| chr16      | 16313001       | 16318000     | 5.91E-13 |
| chr16      | 16314001       | 16319000     | 3.42E-19 |
| chr16      | 16315001       | 16320000     | 2.93E-21 |
| chr16      | 16316001       | 16321000     | 1.59E-20 |
| chr16      | 16317001       | 16322000     | 5.52E-30 |
| chr16      | 16494001       | 16499000     | 0.000297862 |
| chr16      | 16512001       | 16517000     | 4.29E-08 |
| chr16      | 16513001       | 16518000     | 2.40E-06 |
| chr16      | 16665001       | 16670000     | 6.01E-14 |
| Chromosome | Start (bp) | End (bp) | p-value |
|------------|------------|----------|----------|
| chr16      | 16666001   | 16671000 | 5.26E-16 |
| chr16      | 16746001   | 16751000 | 0.000260012 |
| chr16      | 16747001   | 16752000 | 0.005199204 |
| chr16      | 16752001   | 16757000 | 0.000213029 |
| chr16      | 16787001   | 16792000 | 0.001310006 |
| chr16      | 17038001   | 17043000 | 1.24E-10 |
| chr16      | 17039001   | 17044000 | 1.81E-08 |
| chr16      | 17079001   | 17084000 | 3.04E-05 |
| chr16      | 17138001   | 17143000 | 0.000475821 |
| chr16      | 17139001   | 17144000 | 1.62E-06 |
| chr16      | 17331001   | 17336000 | 2.78E-13 |
| chr16      | 17332001   | 17337000 | 2.74E-23 |
| chr16      | 17333001   | 17338000 | 4.37E-25 |
| chr16      | 17334001   | 17339000 | 7.89E-27 |
| chr16      | 17335001   | 17340000 | 3.96E-20 |
| chr16      | 17406001   | 17411000 | 1.15E-15 |
| chr16      | 17407001   | 17412000 | 5.54E-12 |
| chr16      | 17409001   | 17414000 | 2.13E-12 |
| chr16      | 17424001   | 17429000 | 5.04E-07 |
| chr16      | 17425001   | 17430000 | 2.15E-09 |
| chr16      | 17426001   | 17431000 | 1.42E-06 |
| chr16      | 17453001   | 17458000 | 1.54E-12 |
| chr16      | 17459001   | 17464000 | 1.50E-13 |
| chr16      | 17460001   | 17465000 | 2.43E-19 |
| chr16      | 17461001   | 17466000 | 6.58E-21 |
| chr16      | 17462001   | 17467000 | 8.26E-15 |
| chr16      | 17463001   | 17468000 | 5.65E-23 |
| chr16      | 17464001   | 17469000 | 2.62E-12 |
| chr16      | 17465001   | 17470000 | 8.27E-11 |
| chr16      | 17466001   | 17471000 | 6.68E-12 |
| chr16      | 17471001   | 17476000 | 7.71E-14 |
| chr16      | 17472001   | 17477000 | 1.77E-13 |
| chr16      | 17531001   | 17536000 | 2.81E-15 |
| chr16      | 17532001   | 17537000 | 1.93E-11 |
| chr16      | 17533001   | 17538000 | 2.98E-07 |
| chr16      | 17534001   | 17539000 | 7.26E-07 |
| chr16      | 17761001   | 17766000 | 0.000438029 |
| chr16      | 17762001   | 17767000 | 0.000228115 |
| chr16      | 18247001   | 18252000 | 0.000920918 |
| chr16      | 18312001   | 18317000 | 1.15E-06 |
| chr16      | 18569001   | 18574000 | 2.58E-17 |
| chr16      | 18570001   | 18575000 | 5.30E-22 |
| chr16      | 18571001   | 18576000 | 1.12E-11 |
| chr16      | 18572001   | 18577000 | 7.88E-13 |
| chr16      | 18573001   | 18578000 | 9.00E-14 |
| chr16      | 18577001   | 18582000 | 3.94E-07 |
| chr16      | 18578001   | 18583000 | 5.34E-30 |
| chr16      | 18579001   | 18584000 | 5.44E-19 |
| chr16 | 18580001 | 18585000 | 6.69E-22 |
|-------|----------|----------|----------|
| chr16 | 18581001 | 18586000 | 1.40E-16 |
| chr16 | 18643001 | 18648000 | 2.55E-07 |
| chr16 | 18644001 | 18649000 | 2.09E-07 |
| chr16 | 18701001 | 18706000 | 0.002613232 |
| chr16 | 18797001 | 18802000 | 5.20E-26 |
| chr16 | 18801001 | 18806000 | 1.97E-43 |
| chr16 | 18992001 | 18997000 | 2.11E-25 |
| chr16 | 18993001 | 18998000 | 3.37E-16 |
| chr16 | 18994001 | 18999000 | 2.03E-19 |
| chr16 | 19075001 | 19080000 | 1.23E-33 |
| chr16 | 19076001 | 19081000 | 4.51E-40 |
| chr16 | 19077001 | 19082000 | 7.05E-33 |
| chr16 | 19078001 | 19083000 | 1.26E-14 |
| chr16 | 19093001 | 19098000 | 3.21E-14 |
| chr16 | 19094001 | 19099000 | 4.89E-33 |
| chr16 | 19095001 | 19100000 | 2.18E-29 |
| chr16 | 19096001 | 19101000 | 3.80E-29 |
| chr16 | 19097001 | 19102000 | 1.58E-26 |
| chr16 | 19121001 | 19126000 | 1.51E-26 |
| chr16 | 19122001 | 19127000 | 1.85E-12 |
| chr16 | 19178001 | 19183000 | 2.00E-16 |
| chr16 | 19179001 | 19184000 | 1.05E-34 |
| chr16 | 19180001 | 19185000 | 1.71E-23 |
| chr16 | 19418001 | 19423000 | 7.29E-13 |
| chr16 | 19419001 | 19424000 | 6.07E-08 |
| chr16 | 19420001 | 19425000 | 4.10E-08 |
| chr16 | 19421001 | 19426000 | 4.47E-08 |
| chr16 | 19528001 | 19533000 | 4.97E-21 |
| chr16 | 19529001 | 19534000 | 2.81E-34 |
| chr16 | 19729001 | 19734000 | 1.01E-45 |
| chr16 | 20087001 | 20092000 | 4.30E-09 |
| chr16 | 20096001 | 20101000 | 0.000225824 |
| chr16 | 20494001 | 20499000 | 1.08E-08 |
| chr16 | 20495001 | 20500000 | 6.38E-10 |
| chr16 | 20496001 | 20501000 | 1.72E-05 |
| chr16 | 20576001 | 20581000 | 1.60E-05 |
| chr16 | 20577001 | 20582000 | 0.000101068 |
| chr16 | 20596001 | 20601000 | 4.57E-16 |
| chr16 | 20597001 | 20602000 | 3.53E-14 |
| chr16 | 20598001 | 20603000 | 3.91E-12 |
| chr16 | 20607001 | 20612000 | 1.31E-06 |
| chr16 | 20608001 | 20613000 | 1.21E-06 |
| chr16 | 20614001 | 20619000 | 1.99E-07 |
| chr16 | 20615001 | 20620000 | 8.13E-08 |
| chr16 | 20617001 | 20622000 | 2.32E-08 |
| chr16 | 20618001 | 20623000 | 3.07E-15 |
| chr16 | 20619001 | 20624000 | 4.13E-14 |
| Chr  | Start   | End     | P-Value  |
|------|---------|---------|----------|
| chr16| 19630001| 19680000| 3.58E-24 |
| chr16| 20425001| 20475000| 8.13E-17 |
| chr16| 21040001| 21090000| 1.26E-09 |
| chr16| 20748001| 20798000| 2.71E-25 |
| chr16| 20749001| 20799000| 4.55E-39 |
| chr16| 20752001| 20762000| 8.00E-24 |
| chr16| 21011001| 21061000| 2.15E-08 |
| chr16| 21013001| 21063000| 4.18E-07 |
| chr16| 21014001| 21064000| 4.00E-08 |
| chr16| 21083001| 21133000| 7.78E-09 |
| chr16| 21308001| 21358000| 1.18E-32 |
| chr16| 21309001| 21359000| 2.34E-40 |
| chr16| 21310001| 21360000| 7.28E-24 |
| chr16| 21512001| 21562000| 7.35E-24 |
| chr16| 21755001| 21805000| 5.64E-07 |
| chr16| 21756001| 21806000| 9.69E-06 |
| chr16| 21757001| 21807000| 5.12E-07 |
| chr16| 21831001| 21881000| 3.50E-12 |
| chr16| 22009001| 22059000| 7.41E-07 |
| chr16| 22019001| 22069000| 4.31E-42 |
| chr16| 22086001| 22136000| 3.98E-05 |
| chr16| 22197001| 22247000| 5.79E-08 |
| chr16| 22444001| 22494000| 1.51E-49 |
| chr16| 22711001| 22761000| 7.93E-13 |
| chr16| 22713001| 22763000| 1.89E-12 |
| chr16| 22753001| 22803000| 5.93E-07 |
| chr16| 22998001| 23048000| 5.16E-10 |
| chr16| 22999001| 23049000| 7.73E-14 |
| chr16| 23156001| 23206000| 7.12E-35 |
| chr16| 23159001| 23209000| 4.04E-25 |
| chr16| 23190001| 23240000| 1.08E-11 |
| chr16| 23521001| 23571000| 3.78E-31 |
| chr16| 23565001| 23615000| 5.87E-15 |
| chr16| 23566001| 23616000| 8.19E-31 |
| chr16| 23567001| 23617000| 1.37E-32 |
| chr16| 23568001| 23618000| 4.34E-36 |
| chr16| 23569001| 23619000| 1.22E-31 |
| chr16| 23607001| 23657000| 6.49E-24 |
| chr16| 23686001| 23736000| 6.21E-19 |
| chr16| 23739001| 23789000| 4.94E-10 |
| chr16| 23930001| 23980000| 6.12E-07 |
| chr16| 24262001| 24312000| 7.48E-08 |
| chr16| 24273001| 24323000| 6.04E-10 |
| chr16| 24274001| 24324000| 7.68E-10 |
| chr16| 24275001| 24325000| 1.21E-07 |
| chr16| 24276001| 24326000| 1.15E-13 |
| chr16| 24737001| 24787000| 7.11E-56 |
| Chromosome | Start Base | End Base | Probability |
|------------|------------|----------|-------------|
| chr16      | 24738001   | 24743000 | 2.20E-79    |
| chr16      | 24739001   | 24744000 | 2.76E-76    |
| chr16      | 24740001   | 24745000 | 2.03E-50    |
| chr16      | 24741001   | 24746000 | 6.01E-49    |
| chr16      | 25026001   | 25031000 | 1.04E-25    |
| chr16      | 25043001   | 25048000 | 1.30E-14    |
| chr16      | 25115001   | 25120000 | 1.26E-12    |
| chr16      | 25116001   | 25121000 | 2.00E-07    |
| chr16      | 25117001   | 25122000 | 6.35E-07    |
| chr16      | 25118001   | 25123000 | 1.35E-06    |
| chr16      | 25122001   | 25127000 | 4.94E-23    |
| chr16      | 25268001   | 25273000 | 1.29E-51    |
| chr16      | 25269001   | 25274000 | 2.40E-38    |
| chr16      | 25321001   | 25326000 | 7.90E-08    |
| chr16      | 25354001   | 25359000 | 6.38E-07    |
| chr16      | 25382001   | 25387000 | 2.12E-07    |
| chr16      | 25383001   | 25388000 | 5.58E-07    |
| chr16      | 25390001   | 25395000 | 4.84E-09    |
| chr16      | 25391001   | 25396000 | 3.29E-09    |
| chr16      | 25392001   | 25397000 | 2.29E-09    |
| chr16      | 25393001   | 25398000 | 3.08E-09    |
| chr16      | 25394001   | 25399000 | 1.46E-07    |
| chr16      | 25457001   | 25462000 | 0.000327358 |
| chr16      | 25491001   | 25496000 | 2.16E-05    |
| chr16      | 25494001   | 25499000 | 2.98E-06    |
| chr16      | 25508001   | 25513000 | 1.89E-05    |
| chr16      | 25523001   | 25528000 | 4.51E-05    |
| chr16      | 25541001   | 25546000 | 4.71E-09    |
| chr16      | 25542001   | 25547000 | 1.02E-10    |
| chr16      | 25543001   | 25548000 | 5.96E-10    |
| chr16      | 25545001   | 25550000 | 2.85E-13    |
| chr16      | 25551001   | 25556000 | 1.68E-06    |
| chr16      | 25553001   | 25558000 | 2.40E-08    |
| chr16      | 25573001   | 25578000 | 7.98E-07    |
| chr16      | 25579001   | 25584000 | 3.08E-06    |
| chr16      | 25580001   | 25585000 | 3.01E-07    |
| chr16      | 25606001   | 25611000 | 5.26E-07    |
| chr16      | 25607001   | 25612000 | 1.92E-11    |
| chr16      | 25608001   | 25613000 | 5.16E-08    |
| chr16      | 25609001   | 25614000 | 4.19E-13    |
| chr16      | 25610001   | 25615000 | 7.82E-20    |
| chr16      | 25611001   | 25616000 | 1.62E-15    |
| chr16      | 25612001   | 25617000 | 1.29E-12    |
| chr16      | 25613001   | 25618000 | 1.42E-11    |
| chr16      | 25614001   | 25619000 | 6.68E-12    |
| chr16      | 25629001   | 25634000 | 1.43E-11    |
| chr16      | 25630001   | 25635000 | 1.83E-10    |
| chr16      | 25632001   | 25637000 | 1.81E-10    |
| Chromosome | Start Base | End Base | P-value |
|------------|------------|---------|---------|
| chr16      | 25669001   | 25674000| 4.89E-07|
| chr16      | 25678001   | 25683000| 5.08E-07|
| chr16      | 25683001   | 25688000| 0.000160329|
| chr16      | 25699001   | 25704000| 1.20E-17|
| chr16      | 25736001   | 25741000| 2.53E-07|
| chr16      | 25737001   | 25742000| 2.90E-10|
| chr16      | 25749001   | 25754000| 6.45E-06|
| chr16      | 25797001   | 25802000| 2.96E-06|
| chr16      | 25798001   | 25803000| 1.36E-05|
| chr16      | 25799001   | 25804000| 2.92E-06|
| chr16      | 25800001   | 25805000| 4.87E-06|
| chr16      | 25802001   | 25807000| 1.12E-05|
| chr16      | 25843001   | 25848000| 3.63E-07|
| chr16      | 25844001   | 25849000| 1.48E-07|
| chr16      | 25850001   | 25855000| 8.23E-07|
| chr16      | 25858001   | 25863000| 4.49E-09|
| chr16      | 25863001   | 25868000| 0.000104037|
| chr16      | 25864001   | 25869000| 2.98E-05|
| chr16      | 25865001   | 25870000| 2.79E-06|
| chr16      | 25866001   | 25871000| 3.10E-06|
| chr16      | 25975001   | 25980000| 0.000418194|
| chr16      | 25976001   | 25981000| 3.34E-07|
| chr16      | 25977001   | 25982000| 6.17E-08|
| chr16      | 25978001   | 25983000| 2.39E-06|
| chr16      | 25999001   | 26004000| 9.81E-12|
| chr16      | 26136001   | 26141000| 1.17E-08|
| chr16      | 26163001   | 26168000| 6.91E-07|
| chr16      | 26164001   | 26169000| 0.000363844|
| chr16      | 26326001   | 26331000| 1.00E-04|
| chr16      | 26401001   | 26406000| 0.000288897|
| chr16      | 26662001   | 26667000| 0.001799412|
| chr16      | 26913001   | 26918000| 2.28E-16|
| chr16      | 26914001   | 26919000| 1.87E-16|
| chr16      | 26915001   | 26920000| 4.85E-16|
| chr16      | 26916001   | 26921000| 9.17E-17|
| chr16      | 26917001   | 26922000| 2.15E-17|
| chr16      | 27276001   | 27281000| 1.14E-18|
| chr16      | 27277001   | 27282000| 2.56E-30|
| chr16      | 27278001   | 27283000| 8.06E-27|
| chr16      | 27280001   | 27285000| 3.05E-16|
| chr16      | 27321001   | 27326000| 2.28E-16|
| chr16      | 27561001   | 27566000| 9.10E-32|
| chr16      | 28074001   | 28079000| 2.25E-15|
| chr16      | 28834001   | 28839000| 2.01E-40|
| chr16      | 28835001   | 28840000| 3.13E-51|
| chr16      | 28871001   | 28876000| 1.62E-16|
| chr16      | 28872001   | 28877000| 1.06E-17|
| Chr  | Start  | End    | P-value |
|------|--------|--------|---------|
| chr16| 2895001| 2895500| 5.86E-13 |
| chr16| 2895900| 2896400| 9.06E-19 |
| chr16| 2896100| 2896500| 2.18E-24 |
| chr16| 2896200| 2896700| 4.28E-23 |
| chr16| 2896300| 2896800| 2.34E-21 |
| chr16| 2898200| 2898700| 5.48E-13 |
| chr16| 2898400| 2898900| 3.18E-15 |
| chr16| 2898500| 2899000| 3.28E-24 |
| chr16| 2898600| 2899100| 5.98E-27 |
| chr16| 2962000| 2962500| 9.66E-33 |
| chr16| 2987400| 2987900| 7.46E-05 |
| chr16| 2998000| 2998500| 1.47E-14 |
| chr16| 2998100| 2998600| 3.11E-27 |
| chr16| 2998200| 2998700| 6.22E-25 |
| chr16| 2998400| 2998900| 2.58E-20 |
| chr16| 3000400| 3000900| 4.11E-24 |
| chr16| 3000500| 3001000| 5.13E-54 |
| chr16| 3000600| 3001100| 1.75E-70 |
| chr16| 3000700| 3001200| 3.67E-67 |
| chr16| 3006400| 3006900| 6.69E-10 |
| chr16| 3010000| 3010500| 1.40E-16 |
| chr16| 3010100| 3010600| 4.39E-20 |
| chr16| 3010200| 3010700| 1.19E-18 |
| chr16| 3010300| 3010800| 1.20E-28 |
| chr16| 3010400| 3010900| 7.61E-13 |
| chr16| 3010700| 3011200| 4.13E-21 |
| chr16| 3037700| 3038200| 4.96E-40 |
| chr16| 3037800| 3038300| 6.90E-39 |
| chr16| 3037900| 3038400| 2.11E-10 |
| chr16| 3040200| 3040700| 6.37E-29 |
| chr16| 3040300| 3040800| 1.31E-29 |
| chr16| 3040400| 3040900| 4.94E-22 |
| chr16| 3040500| 3041000| 2.19E-21 |
| chr16| 3040600| 3041100| 4.11E-17 |
| chr16| 3041500| 3042000| 2.04E-11 |
| chr16| 3042700| 3043200| 1.10E-30 |
| chr16| 3042800| 3043300| 4.71E-21 |
| chr16| 3042900| 3043400| 1.55E-18 |
| chr16| 3044100| 3044600| 6.54E-22 |
| chr16| 3078400| 3078900| 1.22E-13 |
| chr16| 3088200| 3088700| 2.08E-27 |
| chr16| 3088300| 3088800| 3.09E-22 |
| chr16| 3088400| 3088900| 1.18E-14 |
| chr16| 3088500| 3089000| 3.88E-06 |
| chr16| 3090900| 3091400| 2.40E-17 |
| chr16| 3091000| 3091500| 7.00E-17 |
| chr16| 3091300| 3091800| 9.97E-09 |
| chr16| 3104000| 3104500| 1.42E-07 |
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chr16      | 31042001       | 31047000     | 1.91E-27 |
| chr16      | 31043001       | 31048000     | 1.23E-27 |
| chr16      | 31044001       | 31049000     | 7.15E-33 |
| chr16      | 31080001       | 31085000     | 2.25E-19 |
| chr16      | 31081001       | 31086000     | 6.53E-21 |
| chr16      | 31127001       | 31132000     | 1.36E-14 |
| chr16      | 31128001       | 31133000     | 4.34E-21 |
| chr16      | 31129001       | 31134000     | 5.39E-19 |
| chr16      | 31213001       | 31218000     | 2.16E-06 |
| chr16      | 31315001       | 31320000     | 2.03E-09 |
| chr16      | 31316001       | 31321000     | 8.88E-09 |
| chr16      | 31317001       | 31322000     | 4.27E-11 |
| chr16      | 31449001       | 31454000     | 9.66E-18 |
| chr16      | 31450001       | 31455000     | 1.81E-32 |
| chr16      | 31451001       | 31456000     | 4.74E-33 |
| chr16      | 31452001       | 31457000     | 6.76E-30 |
| chr16      | 31454001       | 31459000     | 4.85E-23 |
| chr16      | 31515001       | 31520000     | 3.72E-24 |
| chr16      | 31516001       | 31521000     | 1.24E-33 |
| chr16      | 31517001       | 31522000     | 5.85E-45 |
| chr16      | 31518001       | 31523000     | 1.66E-33 |
| chr16      | 31519001       | 31524000     | 3.28E-53 |
| chr16      | 31552001       | 31557000     | 0.000475742 |
| chr16      | 31562001       | 31567000     | 4.23E-13 |
| chr16      | 31563001       | 31568000     | 1.30E-08 |
| chr16      | 31600001       | 31605000     | 1.78E-09 |
| chr16      | 31606001       | 31611000     | 1.31E-05 |
| chr16      | 31609001       | 31614000     | 4.33E-08 |
| chr16      | 31610001       | 31615000     | 0.001221471 |
| chr16      | 31612001       | 31617000     | 6.89E-06 |
| chr16      | 31613001       | 31618000     | 4.44E-08 |
| chr16      | 31632001       | 31637000     | 1.60E-05 |
| chr16      | 31633001       | 31638000     | 1.11E-05 |
| chr16      | 31634001       | 31639000     | 3.72E-05 |
| chr16      | 31675001       | 31680000     | 2.33E-06 |
| chr16      | 31676001       | 31681000     | 1.76E-08 |
| chr16      | 31677001       | 31682000     | 4.49E-10 |
| chr16      | 31678001       | 31683000     | 2.00E-10 |
| chr16      | 31679001       | 31684000     | 7.88E-08 |
| chr16      | 31708001       | 31713000     | 4.29E-47 |
| chr16      | 31709001       | 31714000     | 4.85E-43 |
| chr16      | 31788001       | 31793000     | 4.08E-06 |
| chr16      | 31789001       | 31794000     | 8.52E-06 |
| chr16      | 31976001       | 31981000     | 2.75E-06 |
| chr16      | 31977001       | 31982000     | 1.55E-06 |
| chr16      | 31978001       | 31983000     | 7.30E-06 |
| chr16      | 31979001       | 31984000     | 0.000165116 |
| chr16      | 31980001       | 31985000     | 0.001146608 |
| Chr  | Start | End   | Value     |
|------|-------|-------|-----------|
| chr16| 32069001 | 32074000 | 7.89E-07  |
| chr16| 32076001 | 32081000 | 1.26E-15  |
| chr16| 32077001 | 32082000 | 1.80E-16  |
| chr16| 32078001 | 32083000 | 8.27E-08  |
| chr16| 32079001 | 32084000 | 8.40E-07  |
| chr16| 32080001 | 32085000 | 0.00019466|
| chr16| 32081001 | 32086000 | 0.008497957|
| chr16| 32090001 | 32095000 | 6.27E-14  |
| chr16| 32152001 | 32157000 | 2.80E-06  |
| chr16| 32153001 | 32158000 | 4.72E-06  |
| chr16| 32186001 | 32191000 | 2.37E-14  |
| chr16| 32187001 | 32192000 | 5.12E-20  |
| chr16| 32188001 | 32193000 | 6.77E-20  |
| chr16| 32189001 | 32194000 | 6.77E-20  |
| chr16| 32239001 | 32244000 | 2.10E-06  |
| chr16| 32308001 | 32313000 | 3.38E-08  |
| chr16| 32309001 | 32314000 | 3.92E-09  |
| chr16| 32310001 | 32315000 | 4.04E-12  |
| chr16| 32311001 | 32316000 | 8.23E-05  |
| chr16| 32323001 | 32328000 | 5.09E-08  |
| chr16| 32324001 | 32329000 | 3.83E-08  |
| chr16| 32871001 | 32876000 | 9.38E-11  |
| chr16| 32946001 | 32951000 | 4.03E-10  |
| chr16| 33060001 | 33065000 | 6.52E-13  |
| chr16| 33061001 | 33066000 | 3.57E-09  |
| chr16| 33233001 | 33238000 | 3.10E-05  |
| chr16| 33241001 | 33246000 | 2.55E-08  |
| chr16| 33289001 | 33294000 | 5.23E-16  |
| chr16| 33633001 | 33638000 | 1.75E-10  |
| chr16| 33634001 | 33639000 | 1.41E-10  |
| chr16| 33700001 | 33705000 | 5.37E-05  |
| chr16| 33736001 | 33741000 | 4.93E-08  |
| chr16| 33737001 | 33742000 | 2.68E-05  |
| chr16| 33738001 | 33743000 | 3.36E-06  |
| chr16| 33740001 | 33745000 | 5.39E-12  |
| chr16| 33842001 | 33847000 | 7.55E-08  |
| chr16| 33870001 | 33875000 | 6.59E-40  |
| chr16| 33871001 | 33876000 | 9.17E-39  |
| chr16| 33872001 | 33877000 | 1.27E-45  |
| chr16| 33873001 | 33878000 | 7.75E-35  |
| chr16| 33874001 | 33879000 | 4.04E-19  |
| chr16| 33888001 | 33893000 | 1.31E-10  |
| chr16| 33889001 | 33894000 | 3.80E-10  |
| chr16| 33890001 | 33895000 | 5.38E-08  |
| chr16| 33897001 | 33902000 | 1.98E-16  |
| chr16| 34236001 | 34241000 | 9.66E-10  |
| chr16| 34535001 | 34540000 | 1.90E-06  |
| chr16| 34947001 | 34952000 | 3.90E-08  |
| Chromosome | Start | End   | Distance |
|------------|-------|-------|----------|
| chr16      | 34948001 | 34953000 | 1.44E-10 |
| chr16      | 34988001 | 34993000 | 1.52E-10 |
| chr16      | 35147001 | 35152000 | 7.75E-11 |
| chr16      | 35201001 | 35206000 | 4.58E-06 |
| chr16      | 46576001 | 46581000 | 0.000339967 |
| chr16      | 46577001 | 46582000 | 0.000230955 |
| chr16      | 46578001 | 46583000 | 0.00085447 |
| chr16      | 46650001 | 46655000 | 1.23E-09 |
| chr16      | 46820001 | 46825000 | 1.26E-14 |
| chr16      | 46821001 | 46826000 | 2.09E-09 |
| chr16      | 46822001 | 46827000 | 1.99E-10 |
| chr16      | 46823001 | 46828000 | 7.72E-13 |
| chr16      | 46824001 | 46829000 | 3.46E-11 |
| chr16      | 46860001 | 46865000 | 1.53E-44 |
| chr16      | 46861001 | 46866000 | 1.69E-44 |
| chr16      | 46862001 | 46867000 | 1.44E-44 |
| chr16      | 46864001 | 46869000 | 1.36E-25 |
| chr16      | 46865001 | 46870000 | 4.05E-24 |
| chr16      | 46914001 | 46919000 | 2.85E-38 |
| chr16      | 46915001 | 46920000 | 1.33E-29 |
| chr16      | 46916001 | 46921000 | 1.66E-30 |
| chr16      | 46917001 | 46922000 | 1.08E-19 |
| chr16      | 46918001 | 46923000 | 1.22E-50 |
| chr16      | 47067001 | 47072000 | 2.59E-32 |
| chr16      | 47068001 | 47073000 | 7.90E-40 |
| chr16      | 47069001 | 47074000 | 5.27E-50 |
| chr16      | 47070001 | 47075000 | 6.61E-34 |
| chr16      | 47071001 | 47076000 | 1.03E-28 |
| chr16      | 47178001 | 47183000 | 4.34E-22 |
| chr16      | 47490001 | 47495000 | 6.63E-30 |
| chr16      | 48278001 | 48283000 | 2.52E-32 |
| chr16      | 48418001 | 48423000 | 3.20E-43 |
| chr16      | 48419001 | 48424000 | 1.02E-38 |
| chr16      | 48639001 | 48644000 | 7.08E-45 |
| chr16      | 48695001 | 48700000 | 2.00E-07 |
| chr16      | 48696001 | 48701000 | 2.77E-06 |
| chr16      | 48697001 | 48702000 | 3.76E-09 |
| chr16      | 48881001 | 48886000 | 4.59E-06 |
| chr16      | 48889001 | 48894000 | 7.91E-06 |
| chr16      | 48890001 | 48895000 | 3.60E-06 |
| chr16      | 49390001 | 49395000 | 1.24E-19 |
| chr16      | 49401001 | 49406000 | 4.95E-05 |
| chr16      | 49511001 | 49516000 | 1.49E-05 |
| chr16      | 49660001 | 49665000 | 2.63E-05 |
| chr16      | 50023001 | 50028000 | 4.34E-12 |
| chr16      | 50024001 | 50029000 | 3.07E-10 |
| chr16      | 50025001 | 50030000 | 8.48E-10 |
| chr16      | 50026001 | 50031000 | 1.83E-08 |
| Chr 16 | Start | End   | p-value |
|-------|-------|-------|---------|
| chr16 | 50095001 | 50100000 | 1.31E-16  |
| chr16 | 50096001 | 50101000 | 8.16E-24 |
| chr16 | 50097001 | 50102000 | 2.25E-16 |
| chr16 | 50098001 | 50103000 | 1.10E-33 |
| chr16 | 50099001 | 50104000 | 9.74E-31 |
| chr16 | 50100001 | 50105000 | 5.59E-27 |
| chr16 | 50278001 | 50283000 | 3.58E-09 |
| chr16 | 50545001 | 50550000 | 2.49E-08 |
| chr16 | 50546001 | 50551000 | 0.000261197 |
| chr16 | 50547001 | 50552000 | 3.00E-08 |
| chr16 | 50548001 | 50553000 | 2.09E-07 |
| chr16 | 50577001 | 50582000 | 2.81E-21 |
| chr16 | 50578001 | 50583000 | 9.90E-53 |
| chr16 | 50579001 | 50584000 | 2.22E-35 |
| chr16 | 50580001 | 50585000 | 2.77E-18 |
| chr16 | 50701001 | 50706000 | 1.77E-12 |
| chr16 | 50702001 | 50707000 | 1.13E-15 |
| chr16 | 50756001 | 50761000 | 6.70E-08 |
| chr16 | 50776001 | 50781000 | 4.75E-28 |
| chr16 | 50859001 | 50864000 | 3.53E-11 |
| chr16 | 50862001 | 50867000 | 1.44E-09 |
| chr16 | 51215001 | 51220000 | 3.33E-07 |
| chr16 | 51284001 | 51289000 | 9.63E-19 |
| chr16 | 51285001 | 51290000 | 7.03E-17 |
| chr16 | 51286001 | 51291000 | 4.77E-13 |
| chr16 | 51287001 | 51292000 | 2.37E-12 |
| chr16 | 51461001 | 51466000 | 8.07E-07 |
| chr16 | 51510001 | 51515000 | 1.07E-05 |
| chr16 | 51511001 | 51516000 | 2.32E-05 |
| chr16 | 51512001 | 51517000 | 1.05E-06 |
| chr16 | 51513001 | 51518000 | 4.20E-06 |
| chr16 | 51516001 | 51521000 | 0.0000605538 |
| chr16 | 51797001 | 51802000 | 4.93E-06 |
| chr16 | 51814001 | 51819000 | 9.81E-06 |
| chr16 | 51934001 | 51939000 | 0.00330739 |
| chr16 | 52168001 | 52173000 | 4.98E-06 |
| chr16 | 52169001 | 52174000 | 5.35E-06 |
| chr16 | 52171001 | 52176000 | 1.47E-05 |
| chr16 | 52253001 | 52258000 | 0.002728821 |
| chr16 | 52334001 | 52339000 | 0.007916417 |
| chr16 | 52335001 | 52340000 | 0.016507115 |
| chr16 | 52336001 | 52341000 | 0.007499521 |
| chr16 | 52362001 | 52367000 | 0.000228513 |
| chr16 | 52431001 | 52436000 | 0.003536454 |
| chr16 | 52661001 | 52666000 | 0.003027583 |
| chr16 | 52801001 | 52806000 | 1.93E-09 |
| chr16 | 52802001 | 52807000 | 3.37E-10 |
| chr16 | 52803001 | 52808000 | 3.55E-09 |
| Chromosome | Start Base | End Base | P-Value |
|------------|------------|----------|---------|
| chr16      | 52829001   | 52840000 | 7.79E-05|
| chr16      | 52837001   | 52842000 | 3.62E-11|
| chr16      | 53087001   | 53092000 | 3.50E-45|
| chr16      | 53088001   | 53093000 | 1.94E-48|
| chr16      | 53089001   | 53094000 | 1.11E-40|
| chr16      | 53129001   | 53134000 | 2.25E-16|
| chr16      | 53130001   | 53135000 | 8.45E-17|
| chr16      | 53160001   | 53165000 | 1.27E-56|
| chr16      | 53161001   | 53166000 | 8.09E-45|
| chr16      | 53162001   | 53167000 | 3.63E-57|
| chr16      | 53163001   | 53168000 | 7.96E-79|
| chr16      | 53164001   | 53169000 | 5.81E-69|
| chr16      | 53165001   | 53170000 | 2.16E-22|
| chr16      | 53351001   | 53356000 | 0.006060041|
| chr16      | 53469001   | 53474000 | 1.58E-37|
| chr16      | 53532001   | 53537000 | 1.72E-38|
| chr16      | 53690001   | 53695000 | 7.12E-12|
| chr16      | 53691001   | 53696000 | 1.67E-13|
| chr16      | 53692001   | 53697000 | 2.25E-13|
| chr16      | 53693001   | 53698000 | 1.12E-09|
| chr16      | 53733001   | 53738000 | 7.89E-27|
| chr16      | 53736001   | 53741000 | 8.93E-29|
| chr16      | 53737001   | 53742000 | 3.22E-47|
| chr16      | 54223001   | 54228000 | 4.05E-15|
| chr16      | 54601001   | 54606000 | 3.67E-06|
| chr16      | 54602001   | 54607000 | 2.86E-08|
| chr16      | 54715001   | 54720000 | 2.49E-05|
| chr16      | 54782001   | 54787000 | 2.73E-06|
| chr16      | 54783001   | 54788000 | 6.32E-05|
| chr16      | 55024001   | 55029000 | 4.13E-06|
| chr16      | 55054001   | 55059000 | 1.83E-07|
| chr16      | 55055001   | 55060000 | 6.49E-11|
| chr16      | 55056001   | 55061000 | 3.18E-07|
| chr16      | 55091001   | 55096000 | 1.30E-12|
| chr16      | 55098001   | 55103000 | 8.16E-06|
| chr16      | 55099001   | 55104000 | 4.35E-06|
| chr16      | 55230001   | 55235000 | 0.01535821|
| chr16      | 55246001   | 55251000 | 6.24E-07|
| chr16      | 55247001   | 55252000 | 0.000487997|
| chr16      | 55248001   | 55253000 | 3.59E-05|
| chr16      | 55257001   | 55262000 | 4.03E-08|
| chr16      | 55258001   | 55263000 | 8.74E-07|
| chr16      | 55285001   | 55290000 | 3.91E-05|
| chr16      | 55310001   | 55315000 | 2.54E-06|
| chr16      | 55312001   | 55317000 | 1.64E-06|
| chr16      | 55328001   | 55333000 | 1.02E-05|
| chr16      | 55338001   | 55343000 | 9.70E-10|
| chr16      | 55339001   | 55344000 | 5.13E-05|
| chr16 | 55375001 | 55380000 | 0.000202353 |
|-------|----------|----------|--------------|
| chr16 | 55409001 | 55414000 | 2.30E-11     |
| chr16 | 55468001 | 55473000 | 4.33E-11     |
| chr16 | 55469001 | 55474000 | 7.24E-06     |
| chr16 | 55512001 | 55517000 | 2.26E-11     |
| chr16 | 55513001 | 55518000 | 4.91E-07     |
| chr16 | 55539001 | 55544000 | 3.52E-08     |
| chr16 | 55540001 | 55545000 | 3.64E-12     |
| chr16 | 55541001 | 55546000 | 2.01E-27     |
| chr16 | 55542001 | 55547000 | 1.30E-33     |
| chr16 | 55543001 | 55548000 | 4.46E-36     |
| chr16 | 55679001 | 55684000 | 5.31E-09     |
| chr16 | 56172001 | 56177000 | 0.000588066  |
| chr16 | 56454001 | 56459000 | 2.32E-17     |
| chr16 | 56455001 | 56460000 | 3.55E-47     |
| chr16 | 56456001 | 56461000 | 2.64E-41     |
| chr16 | 56457001 | 56462000 | 1.92E-33     |
| chr16 | 56458001 | 56463000 | 1.31E-38     |
| chr16 | 56459001 | 56464000 | 2.77E-85     |
| chr16 | 56480001 | 56485000 | 1.22E-23     |
| chr16 | 56481001 | 56486000 | 3.58E-56     |
| chr16 | 56549001 | 56554000 | 1.08E-31     |
| chr16 | 56551001 | 56556000 | 5.54E-32     |
| chr16 | 56552001 | 56557000 | 2.74E-38     |
| chr16 | 56553001 | 56558000 | 5.95E-27     |
| chr16 | 56689001 | 56694000 | 1.77E-08     |
| chr16 | 56712001 | 56717000 | 1.24E-14     |
| chr16 | 56713001 | 56718000 | 3.50E-11     |
| chr16 | 56715001 | 56720000 | 1.40E-09     |
| chr16 | 56716001 | 56721000 | 1.31E-11     |
| chr16 | 56816001 | 56821000 | 0.000182139  |
| chr16 | 57019001 | 57024000 | 4.92E-10     |
| chr16 | 57126001 | 57131000 | 7.86E-20     |
| chr16 | 57218001 | 57223000 | 1.98E-48     |
| chr16 | 57219001 | 57224000 | 2.99E-36     |
| chr16 | 57220001 | 57225000 | 1.91E-39     |
| chr16 | 57318001 | 57323000 | 5.39E-21     |
| chr16 | 57477001 | 57482000 | 5.65E-25     |
| chr16 | 57478001 | 57483000 | 2.05E-20     |
| chr16 | 57480001 | 57485000 | 5.47E-28     |
| chr16 | 57481001 | 57486000 | 1.95E-31     |
| chr16 | 57520001 | 57525000 | 1.04E-25     |
| chr16 | 57630001 | 57635000 | 9.89E-13     |
| chr16 | 57833001 | 57838000 | 7.96E-34     |
| chr16 | 57834001 | 57839000 | 1.26E-28     |
| chr16 | 57835001 | 57840000 | 3.84E-25     |
| chr16 | 57836001 | 57841000 | 2.13E-25     |
| chr16 | 58034001 | 58039000 | 3.25E-34     |
| Chromosome | Start Position | End Position | p-value     |
|------------|----------------|--------------|-------------|
| chr16      | 58035001       | 58040000     | 1.13E-33    |
| chr16      | 58163001       | 58168000     | 9.03E-21    |
| chr16      | 58227001       | 58232000     | 1.92E-52    |
| chr16      | 58228001       | 58233000     | 2.34E-40    |
| chr16      | 58229001       | 58234000     | 2.17E-47    |
| chr16      | 58231001       | 58236000     | 7.49E-33    |
| chr16      | 58279001       | 58284000     | 6.43E-09    |
| chr16      | 58282001       | 58287000     | 1.73E-16    |
| chr16      | 58392001       | 58397000     | 3.18E-05    |
| chr16      | 59006001       | 59011000     | 0.000497468 |
| chr16      | 59007001       | 59012000     | 0.000148061 |
| chr16      | 59008001       | 59013000     | 0.000584175 |
| chr16      | 59009001       | 59014000     | 2.61E-05    |
| chr16      | 59064001       | 59069000     | 2.42E-05    |
| chr16      | 59222001       | 59227000     | 0.001359963 |
| chr16      | 59223001       | 59228000     | 0.009693787 |
| chr16      | 60280001       | 60285000     | 0.006042998 |
| chr16      | 60420001       | 60425000     | 0.00236135  |
| chr16      | 60421001       | 60426000     | 0.006373835 |
| chr16      | 60509001       | 60514000     | 0.00297094  |
| chr16      | 60556001       | 60561000     | 1.58E-05    |
| chr16      | 60691001       | 60696000     | 0.000594977 |
| chr16      | 60809001       | 60814000     | 2.13E-08    |
| chr16      | 60865001       | 60870000     | 9.28E-05    |
| chr16      | 61539001       | 61544000     | 0.007161057 |
| chr16      | 61540001       | 61545000     | 0.003353709 |
| chr16      | 62217001       | 62222000     | 0.016974582 |
| chr16      | 62221001       | 62226000     | 0.002695344 |
| chr16      | 62295001       | 62300000     | 0.00870716  |
| chr16      | 62297001       | 62302000     | 6.34E-06    |
| chr16      | 62298001       | 62303000     | 4.25E-06    |
| chr16      | 62418001       | 62423000     | 4.09E-08    |
| chr16      | 62419001       | 62424000     | 2.50E-05    |
| chr16      | 62797001       | 62802000     | 0.011078744 |
| chr16      | 62798001       | 62803000     | 0.001398974 |
| chr16      | 63158001       | 63163000     | 8.73E-13    |
| chr16      | 63207001       | 63212000     | 2.28E-06    |
| chr16      | 63276001       | 63281000     | 0.000126482 |
| chr16      | 63277001       | 63282000     | 9.48E-05    |
| chr16      | 63278001       | 63283000     | 0.000264308 |
| chr16      | 63292001       | 63297000     | 0.000205723 |
| chr16      | 63450001       | 63455000     | 0.002725945 |
| chr16      | 63563001       | 63568000     | 0.00191126  |
| chr16      | 63647001       | 63652000     | 3.36E-19    |
| chr16      | 63649001       | 63654000     | 1.50E-19    |
| chr16      | 63684001       | 63689000     | 0.000130921 |
| chr16      | 63813001       | 63818000     | 0.005011163 |
| chr16      | 63898001       | 63903000     | 0.003196051 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr16      | 63899001       | 63904000     | 0.002365965 |
| chr16      | 63928001       | 63933000     | 0.001329585 |
| chr16      | 63929001       | 63934000     | 0.001018051 |
| chr16      | 63939001       | 63944000     | 0.001338849 |
| chr16      | 63941001       | 63946000     | 0.00184699  |
| chr16      | 63944001       | 63949000     | 0.001129448 |
| chr16      | 64490001       | 64495000     | 0.00184699  |
| chr16      | 64494001       | 64499000     | 0.024524247 |
| chr16      | 64495001       | 64500000     | 0.003869909 |
| chr16      | 64684001       | 64689000     | 0.001323338 |
| chr16      | 64764001       | 64769000     | 0.002017985 |
| chr16      | 64917001       | 64922000     | 0.001338849 |
| chr16      | 64944001       | 64949000     | 0.000431907 |
| chr16      | 65026001       | 65031000     | 5.00E-05   |
| chr16      | 65157001       | 65162000     | 6.90E-27   |
| chr16      | 65196001       | 65201000     | 1.16E-05   |
| chr16      | 65197001       | 65202000     | 3.82E-06   |
| chr16      | 65466001       | 65471000     | 2.74E-07   |
| chr16      | 65468001       | 65473000     | 1.68E-10   |
| chr16      | 65469001       | 65474000     | 2.17E-11   |
| chr16      | 65470001       | 65475000     | 7.95E-11   |
| chr16      | 65659001       | 65664000     | 7.98E-09   |
| chr16      | 65660001       | 65665000     | 1.10E-07   |
| chr16      | 65715001       | 65720000     | 0.000366881 |
| chr16      | 65850001       | 65855000     | 1.27E-06   |
| chr16      | 65851001       | 65856000     | 4.95E-11   |
| chr16      | 65853001       | 65858000     | 3.23E-05   |
| chr16      | 65854001       | 65859000     | 7.79E-06   |
| chr16      | 66027001       | 66032000     | 5.83E-06   |
| chr16      | 66035001       | 66040000     | 6.08E-09   |
| chr16      | 66579001       | 66584000     | 1.11E-16   |
| chr16      | 66580001       | 66585000     | 1.29E-21   |
| chr16      | 66608001       | 66613000     | 3.49E-05   |
| chr16      | 66781001       | 66786000     | 2.59E-29   |
| chr16      | 66784001       | 66789000     | 4.60E-25   |
| chr16      | 66785001       | 66790000     | 8.20E-33   |
| chr16      | 67046001       | 67051000     | 2.31E-06   |
| chr16      | 67047001       | 67052000     | 6.98E-09   |
| chr16      | 67048001       | 67053000     | 2.87E-09   |
| chr16      | 67139001       | 67144000     | 1.79E-17   |
| chr16      | 67140001       | 67145000     | 2.65E-20   |
| chr16      | 67141001       | 67146000     | 4.21E-40   |
| chr16      | 67142001       | 67147000     | 1.52E-29   |
| chr16      | 67143001       | 67148000     | 3.11E-22   |
| chr16      | 67181001       | 67186000     | 1.36E-07   |
| chr16      | 67186001       | 67191000     | 6.08E-11   |
| chr16      | 67189001       | 67194000     | 1.50E-13   |
| chr16      | 67591001       | 67596000     | 2.98E-17   |
| chr16      | 67592001       | 67597000     | 4.60E-49   |
| Chr | Start  | End    | P-value   |
|-----|--------|--------|-----------|
| chr16 | 67593001 | 67598000 | 4.95E-53  |
| chr16 | 67596001 | 67601000 | 1.73E-38  |
| chr16 | 67748001 | 67753000 | 6.05E-12  |
| chr16 | 67749001 | 67754000 | 1.71E-28  |
| chr16 | 67750001 | 67755000 | 5.31E-30  |
| chr16 | 67751001 | 67756000 | 4.02E-26  |
| chr16 | 68052001 | 68057000 | 2.29E-12  |
| chr16 | 68053001 | 68058000 | 6.51E-09  |
| chr16 | 68054001 | 68059000 | 1.49E-09  |
| chr16 | 68055001 | 68060000 | 7.86E-16  |
| chr16 | 68056001 | 68061000 | 1.03E-16  |
| chr16 | 68057001 | 68062000 | 1.36E-10  |
| chr16 | 68279001 | 68284000 | 3.64E-08  |
| chr16 | 68298001 | 68303000 | 1.88E-67  |
| chr16 | 68474001 | 68479000 | 0.00011294|
| chr16 | 68569001 | 68574000 | 1.35E-12  |
| chr16 | 68679001 | 68684000 | 4.76E-12  |
| chr16 | 69136001 | 69141000 | 1.18E-16  |
| chr16 | 69137001 | 69142000 | 2.09E-09  |
| chr16 | 69166001 | 69171000 | 1.26E-13  |
| chr16 | 69359001 | 69364000 | 1.61E-36  |
| chr16 | 69360001 | 69365000 | 4.51E-48  |
| chr16 | 69361001 | 69366000 | 4.15E-43  |
| chr16 | 69362001 | 69367000 | 7.33E-41  |
| chr16 | 69363001 | 69368000 | 8.98E-38  |
| chr16 | 69364001 | 69369000 | 9.79E-29  |
| chr16 | 69599001 | 69604000 | 5.05E-46  |
| chr16 | 69600001 | 69605000 | 3.96E-48  |
| chr16 | 69792001 | 69797000 | 1.89E-17  |
| chr16 | 69793001 | 69798000 | 1.00E-12  |
| chr16 | 69794001 | 69799000 | 1.57E-13  |
| chr16 | 70144001 | 70149000 | 5.61E-21  |
| chr16 | 70145001 | 70150000 | 3.80E-20  |
| chr16 | 70146001 | 70151000 | 7.87E-16  |
| chr16 | 70322001 | 70327000 | 9.03E-12  |
| chr16 | 70329001 | 70334000 | 5.77E-11  |
| chr16 | 70330001 | 70335000 | 2.91E-09  |
| chr16 | 70333001 | 70338000 | 3.27E-40  |
| chr16 | 70484001 | 70489000 | 2.25E-10  |
| chr16 | 70485001 | 70490000 | 5.13E-16  |
| chr16 | 70830001 | 70835000 | 5.45E-34  |
| chr16 | 70832001 | 70837000 | 2.21E-48  |
| chr16 | 70833001 | 70838000 | 4.27E-39  |
| chr16 | 70942001 | 70947000 | 2.77E-08  |
| chr16 | 71107001 | 71112000 | 0.010534398|
| chr16 | 71222001 | 71227000 | 1.40E-09  |
| chr16 | 71223001 | 71228000 | 6.03E-08  |
| chr16 | 71319001 | 71324000 | 4.68E-41  |
|chr16|71390001|71395000|3.95E-09|
|chr16|71496001|71501000|3.21E-13|
|chr16|71656001|71661000|1.35E-10|
|chr16|71875001|71880000|1.70E-20|
|chr16|71876001|71881000|1.14E-24|
|chr16|71877001|71882000|1.62E-34|
|chr16|71878001|71883000|6.32E-36|
|chr16|71879001|71884000|1.40E-16|
|chr16|71918001|71923000|3.70E-14|
|chr16|71925001|71930000|3.33E-25|
|chr16|72075001|72080000|3.11E-06|
|chr16|72694001|72699000|1.53E-28|
|chr16|72699001|72704000|7.46E-15|
|chr16|73081001|73086000|1.55E-39|
|chr16|73082001|73087000|3.12E-35|
|chr16|73092001|73097000|1.36E-28|
|chr16|73235001|73240000|1.78E-07|
|chr16|73475001|73480000|1.90E-06|
|chr16|73505001|73510000|1.05E-07|
|chr16|73506001|73511000|1.77E-07|
|chr16|73710001|73715000|0.000563974|
|chr16|73711001|73716000|0.00750815|
|chr16|73712001|73717000|0.008367118|
|chr16|73819001|73824000|1.44E-06|
|chr16|73834001|73839000|1.39E-05|
|chr16|73852001|73857000|8.39E-08|
|chr16|73854001|73859000|1.21E-08|
|chr16|73923001|73928000|1.54E-12|
|chr16|73924001|73929000|8.24E-11|
|chr16|73936001|73941000|2.31E-09|
|chr16|73937001|73942000|3.78E-11|
|chr16|73938001|73943000|4.80E-11|
|chr16|73939001|73944000|3.73E-11|
|chr16|73954001|73959000|1.02E-09|
|chr16|73955001|73960000|3.49E-07|
|chr16|73992001|73997000|1.08E-10|
|chr16|73993001|73998000|1.86E-18|
|chr16|73994001|73999000|3.33E-22|
|chr16|73995001|74000000|4.82E-25|
|chr16|73996001|74001000|1.66E-10|
|chr16|73997001|74002000|1.04E-07|
|chr16|73998001|74003000|1.20E-06|
|chr16|73999001|74004000|1.86E-06|
|chr16|74000001|74005000|6.17E-08|
|chr16|74013001|74018000|0.00017889|
|chr16|74014001|74019000|1.50E-05|
|chr16|74015001|74020000|0.00011677|
|chr16|74016001|74021000|9.76E-05|
| chr16 | 74017001 | 74022000 | 0.000816036 |
|-------|----------|----------|--------------|
| chr16 | 74020001 | 74025000 | 1.85E-05     |
| chr16 | 74021001 | 74026000 | 7.11E-06     |
| chr16 | 74022001 | 74027000 | 5.81E-06     |
| chr16 | 74023001 | 74028000 | 1.54E-08     |
| chr16 | 74024001 | 74029000 | 1.67E-10     |
| chr16 | 74040001 | 74045000 | 9.94E-06     |
| chr16 | 74214001 | 74219000 | 1.08E-05     |
| chr16 | 74398001 | 74403000 | 1.84E-29     |
| chr16 | 74636001 | 74641000 | 9.79E-13     |
| chr16 | 74733001 | 74738000 | 4.04E-29     |
| chr16 | 75014001 | 75019000 | 1.86E-22     |
| chr16 | 75015001 | 75020000 | 5.36E-16     |
| chr16 | 75033001 | 75038000 | 2.49E-27     |
| chr16 | 75034001 | 75039000 | 7.01E-21     |
| chr16 | 75181001 | 75186000 | 5.93E-17     |
| chr16 | 75182001 | 75187000 | 1.68E-18     |
| chr16 | 75281001 | 75286000 | 2.72E-09     |
| chr16 | 75295001 | 75300000 | 3.14E-07     |
| chr16 | 75410001 | 75415000 | 1.07E-07     |
| chr16 | 75411001 | 75416000 | 9.00E-06     |
| chr16 | 75463001 | 75468000 | 1.07E-12     |
| chr16 | 75494001 | 75499000 | 1.06E-18     |
| chr16 | 75495001 | 75500000 | 2.15E-25     |
| chr16 | 75496001 | 75501000 | 4.57E-27     |
| chr16 | 75497001 | 75502000 | 7.14E-40     |
| chr16 | 75546001 | 75551000 | 3.61E-30     |
| chr16 | 75547001 | 75552000 | 4.70E-51     |
| chr16 | 75548001 | 75553000 | 2.08E-52     |
| chr16 | 75549001 | 75554000 | 4.56E-23     |
| chr16 | 75550001 | 75555000 | 4.26E-19     |
| chr16 | 75551001 | 75556000 | 9.12E-10     |
| chr16 | 75589001 | 75594000 | 1.43E-33     |
| chr16 | 75590001 | 75595000 | 2.73E-19     |
| chr16 | 75657001 | 75662000 | 4.93E-16     |
| chr16 | 75678001 | 75683000 | 2.23E-33     |
| chr16 | 75744001 | 75749000 | 7.93E-12     |
| chr16 | 75745001 | 75750000 | 3.64E-13     |
| chr16 | 75746001 | 75751000 | 1.93E-14     |
| chr16 | 75747001 | 75752000 | 1.86E-12     |
| chr16 | 75748001 | 75753000 | 1.20E-16     |
| chr16 | 75981001 | 75986000 | 0.000164583  |
| chr16 | 76309001 | 76314000 | 5.87E-11     |
| chr16 | 76311001 | 76316000 | 3.19E-08     |
| chr16 | 76461001 | 76466000 | 0.000420681  |
| chr16 | 76462001 | 76467000 | 0.000371242  |
| chr16 | 76463001 | 76468000 | 0.000726909  |
| chr16 | 76686001 | 76691000 | 6.94E-05     |
|chr16|  76687001|  76692000|   5.00E-07 |
|chr16|  76688001|  76693000|    1.01E-08 |
|chr16|  77168001|  77173000|    3.19E-06 |
|chr16|  77169001|  77174000|    2.33E-05 |
|chr16|  77175001|  77180000|  0.001657813 |
|chr16|  77177001|  77182000|  0.003121293 |
|chr16|  77304001|  77309000|  0.000167628 |
|chr16|  77305001|  77310000|  0.000211692 |
|chr16|  77479001|  77484000|  0.000186953 |
|chr16|  77488001|  77493000|    7.10E-06 |
|chr16|  77560001|  77565000|    5.09E-17 |
|chr16|  77561001|  77566000|    1.72E-10 |
|chr16|  77562001|  77567000|    1.78E-08 |
|chr16|  77564001|  77569000|    4.83E-08 |
|chr16|  77565001|  77570000|    3.62E-08 |
|chr16|  77566001|  77571000|    2.44E-08 |
|chr16|  77567001|  77572000|    7.90E-09 |
|chr16|  77568001|  77573000|    6.11E-11 |
|chr16|  77569001|  77574000|    1.25E-05 |
|chr16|  77571001|  77576000|    1.35E-05 |
|chr16|  77693001|  77698000|    9.26E-11 |
|chr16|  77694001|  77699000|    2.18E-11 |
|chr16|  77752001|  77757000|    2.38E-43 |
|chr16|  77831001|  77836000|    6.48E-10 |
|chr16|  77971001|  77976000|    2.86E-07 |
|chr16|  77972001|  77977000|    8.94E-06 |
|chr16|  78800001|  78805000|    1.76E-14 |
|chr16|  78801001|  78806000|    1.22E-14 |
|chr16|  79257001|  79262000|    5.83E-10 |
|chr16|  79258001|  79263000|    6.22E-06 |
|chr16|  79628001|  79633000|    4.19E-33 |
|chr16|  79746001|  79751000|  0.004365681 |
|chr16|  79747001|  79752000|  0.000402236 |
|chr16|  79801001|  79806000|    2.38E-14 |
|chr16|  79803001|  79808000|    1.44E-28 |
|chr16|  79804001|  79809000|    6.28E-28 |
|chr16|  79834001|  79839000|    4.62E-05 |
|chr16|  80043001|  80048000|  0.003001909 |
|chr16|  80044001|  80049000|  0.004896323 |
|chr16|  80257001|  80262000|    5.43E-05 |
|chr16|  80268001|  80273000|    8.25E-07 |
|chr16|  80270001|  80275000|    5.94E-12 |
|chr16|  80271001|  80276000|    2.94E-13 |
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chr16      | 80570001       | 80575000     | 4.16E-29 |
| chr16      | 80571001       | 80576000     | 4.55E-35 |
| chr16      | 80572001       | 80577000     | 3.04E-43 |
| chr16      | 80573001       | 80578000     | 9.94E-44 |
| chr16      | 80574001       | 80579000     | 8.18E-39 |
| chr16      | 80626001       | 80631000     | 8.46E-08 |
| chr16      | 80676001       | 80681000     | 1.11E-11 |
| chr16      | 80701001       | 80706000     | 1.24E-15 |
| chr16      | 80774001       | 80779000     | 1.69E-09 |
| chr16      | 80775001       | 80780000     | 2.28E-09 |
| chr16      | 80776001       | 80781000     | 2.87E-11 |
| chr16      | 80822001       | 80827000     | 8.92E-14 |
| chr16      | 80823001       | 80828000     | 4.54E-19 |
| chr16      | 80824001       | 80829000     | 1.29E-18 |
| chr16      | 80825001       | 80830000     | 1.13E-12 |
| chr16      | 80826001       | 80831000     | 2.35E-17 |
| chr16      | 80834001       | 80839000     | 5.54E-62 |
| chr16      | 80835001       | 80840000     | 4.88E-93 |
| chr16      | 80836001       | 80841000     | 5.29E-56 |
| chr16      | 80837001       | 80842000     | 6.72E-42 |
| chr16      | 80838001       | 80843000     | 5.74E-51 |
| chr16      | 80896001       | 80901000     | 2.07E-11 |
| chr16      | 80962001       | 80967000     | 6.26E-18 |
| chr16      | 80963001       | 80968000     | 3.50E-25 |
| chr16      | 80964001       | 80969000     | 7.47E-29 |
| chr16      | 80965001       | 80970000     | 4.78E-37 |
| chr16      | 80966001       | 80971000     | 4.01E-28 |
| chr16      | 81065001       | 81070000     | 1.44E-22 |
| chr16      | 81111001       | 81116000     | 5.01E-16 |
| chr16      | 81125001       | 81130000     | 2.13E-27 |
| chr16      | 81344001       | 81349000     | 4.59E-32 |
| chr16      | 81346001       | 81351000     | 1.02E-50 |
| chr16      | 81347001       | 81352000     | 1.24E-57 |
| chr16      | 81348001       | 81353000     | 4.01E-67 |
| chr16      | 81349001       | 81354000     | 1.13E-33 |
| chr16      | 81778001       | 81783000     | 8.16E-11 |
| chr16      | 81779001       | 81784000     | 7.83E-17 |
| chr16      | 81808001       | 81813000     | 3.89E-12 |
| chr16      | 82199001       | 82204000     | 8.47E-22 |
| chr16      | 82200001       | 82205000     | 1.92E-44 |
| chr16      | 82201001       | 82206000     | 1.32E-44 |
| chr16      | 82202001       | 82207000     | 1.71E-51 |
| chr16      | 82203001       | 82208000     | 4.91E-42 |
| chr16      | 82204001       | 82209000     | 6.76E-27 |
| chr16      | 82300001       | 82305000     | 3.68E-05 |
| chr16      | 82354001       | 82359000     | 0.000209073 |
| chr16      | 82355001       | 82360000     | 2.35E-06 |
| chr16      | 82356001       | 82361000     | 1.70E-09 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr16      | 82357001       | 82362000     | 2.24E-06|
| chr16      | 82393001       | 82398000     | 2.39E-13|
| chr16      | 82395001       | 82400000     | 3.17E-12|
| chr16      | 82396001       | 82401000     | 4.24E-11|
| chr16      | 82516001       | 82521000     | 4.78E-07|
| chr16      | 83531001       | 83536000     | 1.87E-10|
| chr16      | 83667001       | 83672000     | 2.35E-07|
| chr16      | 83668001       | 83673000     | 0.00460279|
| chr16      | 83837001       | 83842000     | 2.91E-16|
| chr16      | 83930001       | 83935000     | 7.17E-58|
| chr16      | 83931001       | 83936000     | 1.98E-55|
| chr16      | 83932001       | 83937000     | 7.11E-44|
| chr16      | 83933001       | 83938000     | 8.53E-38|
| chr16      | 84174001       | 84179000     | 2.96E-20|
| chr16      | 84175001       | 84180000     | 4.81E-28|
| chr16      | 84178001       | 84183000     | 9.51E-23|
| chr16      | 84219001       | 84224000     | 1.43E-18|
| chr16      | 84682001       | 84687000     | 4.76E-22|
| chr16      | 84733001       | 84738000     | 2.42E-62|
| chr16      | 84758001       | 84763000     | 1.04E-19|
| chr16      | 85203001       | 85208000     | 1.15E-14|
| chr16      | 85830001       | 85835000     | 3.64E-34|
| chr16      | 85831001       | 85836000     | 4.29E-46|
| chr16      | 85832001       | 85837000     | 1.70E-39|
| chr16      | 85833001       | 85838000     | 5.44E-33|
| chr16      | 85930001       | 85935000     | 1.26E-36|
| chr16      | 86286001       | 86291000     | 5.23E-05|
| chr16      | 86584001       | 86589000     | 9.37E-21|
| chr16      | 87269001       | 87274000     | 1.82E-20|
| chr16      | 87423001       | 87428000     | 4.34E-21|
| chr16      | 87426001       | 87431000     | 6.52E-20|
| chr16      | 87525001       | 87530000     | 0.000214208|
| chr16      | 87526001       | 87531000     | 2.70E-11|
| chr16      | 87795001       | 87800000     | 1.76E-29|
| chr16      | 87796001       | 87801000     | 3.42E-21|
| chr16      | 87975001       | 87980000     | 4.49E-18|
| chr16      | 88637001       | 88642000     | 2.03E-43|
| chr16      | 89159001       | 89164000     | 4.03E-18|
| chr16      | 89321001       | 89326000     | 1.67E-15|
| chr16      | 89322001       | 89327000     | 2.89E-26|
| chr16      | 89323001       | 89328000     | 2.40E-28|
| chr16      | 89723001       | 89728000     | 2.25E-15|
| chr16      | 89724001       | 89729000     | 7.37E-22|
| chr16      | 89749001       | 89754000     | 4.44E-28|
| chr16      | 89880001       | 89885000     | 2.16E-17|
| chr16      | 89892001       | 89897000     | 4.65E-09|
| chr16      | 89894001       | 89899000     | 3.02E-25|
| chr16      | 89935001       | 89940000     | 1.57E-15|
| Chromosome | Start | End   | Value     |
|------------|-------|-------|-----------|
| chr16      | 89936001 | 89941000 | 1.63E-18  |
| chr16      | 89937001 | 89942000 | 3.93E-19  |
| chr16      | 89939001 | 89944000 | 1.44E-18  |
| chr16      | 89986001 | 89991000 | 4.14E-20  |
| chr16      | 90011001 | 90016000 | 2.27E-13  |
| chr16      | 90013001 | 90018000 | 5.89E-15  |
| chr16      | 90014001 | 90019000 | 2.60E-25  |
| chr16      | 90015001 | 90020000 | 5.60E-13  |
| chr16      | 90082001 | 90087000 | 2.17E-14  |
| chr16      | 90083001 | 90088000 | 2.05E-20  |
| chr17      | 26001   | 31000  | 1.35E-07  |
| chr17      | 27001   | 32000  | 2.05E-07  |
| chr17      | 614001  | 619000  | 2.94E-31  |
| chr17      | 615001  | 620000  | 7.77E-26  |
| chr17      | 616001  | 621000  | 7.99E-23  |
| chr17      | 617001  | 622000  | 2.07E-21  |
| chr17      | 618001  | 623000  | 1.06E-16  |
| chr17      | 634001  | 639000  | 2.16E-36  |
| chr17      | 635001  | 640000  | 6.86E-57  |
| chr17      | 877001  | 882000  | 1.98E-19  |
| chr17      | 878001  | 883000  | 1.44E-41  |
| chr17      | 879001  | 884000  | 1.93E-30  |
| chr17      | 1355001 | 1360000 | 5.21E-26  |
| chr17      | 1359001 | 1364000 | 0.002539342 |
| chr17      | 1394001 | 1399000 | 4.57E-07  |
| chr17      | 1532001 | 1537000 | 1.75E-18  |
| chr17      | 1543001 | 1548000 | 3.18E-18  |
| chr17      | 1544001 | 1549000 | 1.15E-14  |
| chr17      | 1545001 | 1550000 | 2.84E-19  |
| chr17      | 1583001 | 1588000 | 8.76E-17  |
| chr17      | 1585001 | 1590000 | 3.71E-21  |
| chr17      | 1586001 | 1591000 | 6.48E-17  |
| chr17      | 1933001 | 1938000 | 3.94E-08  |
| chr17      | 2202001 | 2207000 | 2.24E-10  |
| chr17      | 2203001 | 2208000 | 8.98E-16  |
| chr17      | 2204001 | 2209000 | 1.54E-21  |
| chr17      | 2205001 | 2210000 | 6.61E-19  |
| chr17      | 2206001 | 2211000 | 1.20E-31  |
| chr17      | 2207001 | 2212000 | 1.46E-17  |
| chr17      | 2240001 | 2245000 | 4.29E-18  |
| chr17      | 2493001 | 2498000 | 3.06E-24  |
| chr17      | 2613001 | 2618000 | 1.69E-37  |
| chr17      | 2614001 | 2619000 | 2.39E-45  |
| chr17      | 2991001 | 2996000 | 2.76E-07  |
| chr17      | 2992001 | 2997000 | 3.40E-08  |
| chr17      | 2993001 | 2998000 | 1.47E-10  |
| chr17      | 2994001 | 2999000 | 1.12E-08  |
| chr17      | 2995001 | 3000000 | 1.85E-05  |
| chr17 | 3074001 | 3079000 | 0.00020447 |
|-------|---------|---------|------------|
| chr17 | 3124001 | 3129000 | 1.64E-07   |
| chr17 | 3125001 | 3130000 | 0.00029268 |
| chr17 | 3126001 | 3131000 | 2.28E-06   |
| chr17 | 3136001 | 3141000 | 1.97E-06   |
| chr17 | 3283001 | 3288000 | 1.24E-06   |
| chr17 | 3537001 | 3542000 | 8.48E-21   |
| chr17 | 3627001 | 3632000 | 5.68E-32   |
| chr17 | 3793001 | 3798000 | 2.92E-14   |
| chr17 | 3794001 | 3799000 | 5.73E-14   |
| chr17 | 3868001 | 3873000 | 1.79E-08   |
| chr17 | 4041001 | 4046000 | 5.76E-29   |
| chr17 | 4042001 | 4047000 | 5.98E-53   |
| chr17 | 4043001 | 4048000 | 1.77E-25   |
| chr17 | 4044001 | 4049000 | 5.13E-44   |
| chr17 | 4045001 | 4050000 | 3.52E-20   |
| chr17 | 4046001 | 4051000 | 4.81E-29   |
| chr17 | 4047001 | 4052000 | 1.23E-12   |
| chr17 | 4162001 | 4167000 | 8.54E-14   |
| chr17 | 4268001 | 4273000 | 2.49E-20   |
| chr17 | 4269001 | 4274000 | 1.17E-17   |
| chr17 | 4454001 | 4459000 | 1.45E-18   |
| chr17 | 4455001 | 4460000 | 6.91E-22   |
| chr17 | 4456001 | 4461000 | 4.04E-36   |
| chr17 | 4457001 | 4462000 | 1.08E-24   |
| chr17 | 4458001 | 4463000 | 1.68E-17   |
| chr17 | 4614001 | 4619000 | 5.34E-07   |
| chr17 | 4640001 | 4645000 | 4.70E-18   |
| chr17 | 4641001 | 4646000 | 1.20E-28   |
| chr17 | 4642001 | 4647000 | 1.36E-21   |
| chr17 | 4643001 | 4648000 | 4.96E-13   |
| chr17 | 4692001 | 4697000 | 5.99E-21   |
| chr17 | 4693001 | 4698000 | 3.02E-18   |
| chr17 | 4886001 | 4891000 | 6.93E-15   |
| chr17 | 4887001 | 4892000 | 5.86E-15   |
| chr17 | 4888001 | 4893000 | 8.88E-12   |
| chr17 | 4889001 | 4894000 | 2.74E-14   |
| chr17 | 4890001 | 4895000 | 3.80E-27   |
| chr17 | 4978001 | 4983000 | 1.33E-13   |
| chr17 | 4979001 | 4984000 | 3.83E-19   |
| chr17 | 4980001 | 4985000 | 2.95E-15   |
| chr17 | 4981001 | 4986000 | 1.09E-09   |
| chr17 | 5181001 | 5186000 | 2.83E-20   |
| chr17 | 5182001 | 5187000 | 5.15E-24   |
| chr17 | 5183001 | 5188000 | 6.09E-11   |
| chr17 | 5342001 | 5347000 | 2.50E-26   |
| chr17 | 5367001 | 5372000 | 1.83E-17   |
| chr17 | 5368001 | 5373000 | 4.39E-19   |
| chr17 | 5369001 | 5374000 | 4.65E-34 |
| chr17 | 5370001 | 5375000 | 2.27E-30 |
| chr17 | 5371001 | 5376000 | 7.19E-49 |
| chr17 | 5372001 | 5377000 | 5.50E-40 |
| chr17 | 5373001 | 5378000 | 0.001295474 |
| chr17 | 5386001 | 5391000 | 6.46E-39 |
| chr17 | 5387001 | 5392000 | 9.12E-34 |
| chr17 | 5390001 | 5395000 | 1.39E-20 |
| chr17 | 5404001 | 5409000 | 1.15E-08 |
| chr17 | 5882001 | 5887000 | 1.11E-10 |
| chr17 | 5883001 | 5888000 | 1.56E-12 |
| chr17 | 6343001 | 6348000 | 6.80E-37 |
| chr17 | 6344001 | 6349000 | 2.84E-15 |
| chr17 | 6345001 | 6350000 | 1.23E-19 |
| chr17 | 6347001 | 6352000 | 1.81E-13 |
| chr17 | 6543001 | 6548000 | 1.14E-56 |
| chr17 | 6544001 | 6549000 | 5.41E-70 |
| chr17 | 6550001 | 6555000 | 2.65E-41 |
| chr17 | 6551001 | 6556000 | 1.11E-31 |
| chr17 | 6552001 | 6557000 | 4.73E-45 |
| chr17 | 6671001 | 6676000 | 2.46E-06 |
| chr17 | 6672001 | 6677000 | 5.36E-07 |
| chr17 | 6673001 | 6678000 | 1.37E-08 |
| chr17 | 6675001 | 6680000 | 8.67E-26 |
| chr17 | 6676001 | 6681000 | 4.43E-28 |
| chr17 | 6731001 | 6736000 | 2.75E-16 |
| chr17 | 6732001 | 6737000 | 7.39E-29 |
| chr17 | 6733001 | 6738000 | 2.77E-33 |
| chr17 | 6734001 | 6739000 | 1.18E-40 |
| chr17 | 6735001 | 6740000 | 4.95E-43 |
| chr17 | 6736001 | 6741000 | 4.19E-05 |
| chr17 | 7139001 | 7144000 | 4.47E-13 |
| chr17 | 7211001 | 7216000 | 4.98E-26 |
| chr17 | 7232001 | 7237000 | 9.66E-61 |
| chr17 | 7359001 | 7364000 | 1.27E-10 |
| chr17 | 7472001 | 7477000 | 7.98E-34 |
| chr17 | 7473001 | 7478000 | 2.26E-32 |
| chr17 | 7819001 | 7824000 | 5.83E-17 |
| chr17 | 7833001 | 7838000 | 6.80E-21 |
| chr17 | 7835001 | 7840000 | 1.86E-17 |
| chr17 | 8066001 | 8071000 | 4.79E-19 |
| chr17 | 8126001 | 8131000 | 6.10E-18 |
| chr17 | 8196001 | 8201000 | 9.94E-17 |
| chr17 | 8198001 | 8203000 | 4.59E-16 |
| chr17 | 8529001 | 8534000 | 3.13E-33 |
| chr17 | 8530001 | 8535000 | 9.29E-49 |
| chr17 | 8533001 | 8538000 | 4.68E-26 |
| chr17 | 8534001 | 8539000 | 7.33E-25 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr17      | 8921001        | 8926000      | 4.48E-21|
| chr17      | 8922001        | 8927000      | 2.39E-13|
| chr17      | 9475001        | 9480000      | 6.55E-28|
| chr17      | 9480001        | 9485000      | 7.00E-15|
| chr17      | 9544001        | 9549000      | 5.80E-30|
| chr17      | 9545001        | 9550000      | 2.00E-23|
| chr17      | 10407001       | 10412000     | 2.34E-06|
| chr17      | 10409001       | 10414000     | 5.18E-08|
| chr17      | 10419001       | 10424000     | 0.000204236|
| chr17      | 10495001       | 10500000     | 2.29E-06|
| chr17      | 10596001       | 10601000     | 9.84E-42|
| chr17      | 10597001       | 10602000     | 5.11E-38|
| chr17      | 10598001       | 10603000     | 1.50E-26|
| chr17      | 10599001       | 10604000     | 1.62E-35|
| chr17      | 10600001       | 10605000     | 4.19E-31|
| chr17      | 10679001       | 10684000     | 3.70E-07|
| chr17      | 10681001       | 10686000     | 1.91E-09|
| chr17      | 10795001       | 10800000     | 1.21E-05|
| chr17      | 10796001       | 10801000     | 5.66E-13|
| chr17      | 10797001       | 10802000     | 2.96E-11|
| chr17      | 10798001       | 10803000     | 6.84E-10|
| chr17      | 10799001       | 10804000     | 8.15E-07|
| chr17      | 10848001       | 10853000     | 5.59E-09|
| chr17      | 10929001       | 10934000     | 0.000808034|
| chr17      | 11006001       | 11011000     | 0.00031546|
| chr17      | 11007001       | 11012000     | 0.005085617|
| chr17      | 11023001       | 11028000     | 1.30E-08|
| chr17      | 11024001       | 11029000     | 2.09E-08|
| chr17      | 11025001       | 11030000     | 5.62E-08|
| chr17      | 11026001       | 11031000     | 4.18E-08|
| chr17      | 11063001       | 11068000     | 2.60E-07|
| chr17      | 11064001       | 11069000     | 8.37E-08|
| chr17      | 11065001       | 11070000     | 3.44E-05|
| chr17      | 11087001       | 11092000     | 3.11E-06|
| chr17      | 11218001       | 11223000     | 2.29E-06|
| chr17      | 11246001       | 11251000     | 2.10E-09|
| chr17      | 11267001       | 11272000     | 1.20E-07|
| chr17      | 11296001       | 11301000     | 0.000356691|
| chr17      | 11297001       | 11302000     | 0.000442595|
| chr17      | 11298001       | 11303000     | 1.39E-10|
| chr17      | 11299001       | 11304000     | 1.15E-08|
| chr17      | 11313001       | 11318000     | 3.43E-11|
| chr17      | 11317001       | 11322000     | 7.80E-07|
| chr17      | 11318001       | 11323000     | 3.90E-05|
| chr17      | 11327001       | 11332000     | 9.26E-09|
| chr17      | 11408001       | 11413000     | 3.20E-07|
| chr17      | 11420001       | 11425000     | 0.00079932|
| chr17      | 11497001       | 11502000     | 3.85E-29|
| Chr  | Start | End   | Score  |
|------|-------|-------|--------|
| chr17| 11498001 | 11503000 | 8.90E-38 |
| chr17| 11499001 | 11504000 | 3.59E-38 |
| chr17| 11500001 | 11505000 | 7.44E-36 |
| chr17| 11501001 | 11506000 | 5.08E-29 |
| chr17| 11502001 | 11507000 | 1.16E-12 |
| chr17| 11512001 | 11517000 | 2.09E-07 |
| chr17| 11516001 | 11521000 | 4.15E-07 |
| chr17| 11517001 | 11522000 | 1.90E-05 |
| chr17| 11550001 | 11555000 | 1.34E-09 |
| chr17| 11575001 | 11580000 | 0.000729159 |
| chr17| 11598001 | 11603000 | 7.20E-15 |
| chr17| 11599001 | 11604000 | 6.04E-07 |
| chr17| 11600001 | 11605000 | 9.14E-08 |
| chr17| 11601001 | 11606000 | 1.44E-09 |
| chr17| 11602001 | 11607000 | 7.12E-08 |
| chr17| 11633001 | 11638000 | 7.53E-10 |
| chr17| 11709001 | 11714000 | 1.88E-06 |
| chr17| 11813001 | 11818000 | 5.53E-08 |
| chr17| 11857001 | 11862000 | 9.22E-06 |
| chr17| 11920001 | 11925000 | 6.51E-42 |
| chr17| 11921001 | 11926000 | 5.56E-28 |
| chr17| 11922001 | 11927000 | 1.55E-36 |
| chr17| 11923001 | 11928000 | 1.30E-54 |
| chr17| 11924001 | 11929000 | 2.57E-62 |
| chr17| 12055001 | 12060000 | 3.46E-06 |
| chr17| 12056001 | 12061000 | 3.61E-06 |
| chr17| 12057001 | 12062000 | 2.23E-05 |
| chr17| 12058001 | 12063000 | 9.73E-05 |
| chr17| 12209001 | 12214000 | 0.001659805 |
| chr17| 12210001 | 12215000 | 0.000114428 |
| chr17| 12211001 | 12216000 | 0.000320505 |
| chr17| 12216001 | 12221000 | 0.001618242 |
| chr17| 12417001 | 12422000 | 0.000161727 |
| chr17| 12422001 | 12427000 | 0.000137326 |
| chr17| 12423001 | 12428000 | 0.000197417 |
| chr17| 12424001 | 12429000 | 0.00074515 |
| chr17| 12437001 | 12442000 | 4.61E-06 |
| chr17| 12438001 | 12443000 | 1.67E-05 |
| chr17| 12476001 | 12481000 | 0.001038813 |
| chr17| 12485001 | 12490000 | 7.33E-06 |
| chr17| 12565001 | 12570000 | 9.95E-20 |
| chr17| 12567001 | 12572000 | 1.55E-32 |
| chr17| 12568001 | 12573000 | 8.73E-44 |
| chr17| 12569001 | 12574000 | 7.55E-39 |
| chr17| 12606001 | 12611000 | 0.003701303 |
| chr17| 12658001 | 12663000 | 3.04E-09 |
| chr17| 12688001 | 12693000 | 8.67E-13 |
| chr17| 12732001 | 12737000 | 0.00040048 |
| Chromosome | Start Base | End Base | Log10(P-value) |
|------------|------------|----------|----------------|
| Chr17      | 12752001   | 12757000 | 1.79E-19       |
| Chr17      | 12753001   | 12758000 | 3.78E-16       |
| Chr17      | 12754001   | 12759000 | 1.87E-15       |
| Chr17      | 12792001   | 12797000 | 5.38E-05       |
| Chr17      | 12841001   | 12846000 | 2.48E-06       |
| Chr17      | 12842001   | 12847000 | 2.03E-06       |
| Chr17      | 12873001   | 12878000 | 1.37E-09       |
| Chr17      | 12874001   | 12879000 | 1.01E-08       |
| Chr17      | 12875001   | 12880000 | 3.52E-05       |
| Chr17      | 12921001   | 12926000 | 5.23E-40       |
| Chr17      | 13039001   | 13044000 | 0.00523975     |
| Chr17      | 13089001   | 13094000 | 6.30E-05       |
| Chr17      | 13093001   | 13098000 | 4.81E-06       |
| Chr17      | 13094001   | 13099000 | 2.19E-05       |
| Chr17      | 13095001   | 13100000 | 8.01E-05       |
| Chr17      | 13125001   | 13130000 | 0.000112005    |
| Chr17      | 13394001   | 13399000 | 6.01E-06       |
| Chr17      | 13484001   | 13489000 | 5.87E-06       |
| Chr17      | 13598001   | 13603000 | 0.002658407    |
| Chr17      | 13609001   | 13614000 | 2.13E-06       |
| Chr17      | 13610001   | 13615000 | 1.06E-05       |
| Chr17      | 13611001   | 13616000 | 7.67E-07       |
| Chr17      | 13613001   | 13618000 | 1.73E-05       |
| Chr17      | 13652001   | 13657000 | 1.35E-09       |
| Chr17      | 13653001   | 13658000 | 6.30E-09       |
| Chr17      | 13654001   | 13659000 | 7.92E-12       |
| Chr17      | 13655001   | 13660000 | 4.80E-10       |
| Chr17      | 13656001   | 13661000 | 1.16E-08       |
| Chr17      | 13657001   | 13662000 | 1.90E-05       |
| Chr17      | 13673001   | 13678000 | 1.67E-06       |
| Chr17      | 13674001   | 13679000 | 5.22E-07       |
| Chr17      | 13675001   | 13680000 | 3.28E-08       |
| Chr17      | 13683001   | 13688000 | 0.01060824     |
| Chr17      | 13698001   | 13703000 | 0.001883203    |
| Chr17      | 13718001   | 13723000 | 2.52E-05       |
| Chr17      | 13720001   | 13725000 | 7.16E-09       |
| Chr17      | 13721001   | 13726000 | 1.80E-09       |
| Chr17      | 13722001   | 13727000 | 8.45E-10       |
| Chr17      | 13749001   | 13754000 | 0.005073182    |
| Chr17      | 13968001   | 13973000 | 4.32E-84       |
| Chr17      | 13969001   | 13974000 | 1.54E-59       |
| Chr17      | 13970001   | 13975000 | 2.04E-39       |
| Chr17      | 13971001   | 13976000 | 1.34E-19       |
| Chr17      | 13972001   | 13977000 | 5.58E-21       |
| Chr17      | 14190001   | 14195000 | 2.96E-05       |
| Chr17      | 14194001   | 14199000 | 1.99E-14       |
| Chr17      | 14310001   | 14315000 | 0.003675714    |
| Chr17      | 14319001   | 14324000 | 1.37E-05       |
| Chr | Start | End   | Value         |
|-----|-------|-------|---------------|
| chr17 | 14320001 | 14325000 | 3.90E-05      |
| chr17 | 14430001 | 14435000 | 0.006725147   |
| chr17 | 14431001 | 14436000 | 8.47E-10      |
| chr17 | 14432001 | 14437000 | 1.87E-09      |
| chr17 | 14433001 | 14438000 | 1.11E-08      |
| chr17 | 14854001 | 14859000 | 1.17E-07      |
| chr17 | 14855001 | 14860000 | 0.006725147   |
| chr17 | 14863001 | 14868000 | 4.55E-06      |
| chr17 | 14908001 | 14913000 | 3.32E-08      |
| chr17 | 15102001 | 15107000 | 5.93E-06      |
| chr17 | 15240001 | 15245000 | 2.92E-20      |
| chr17 | 15241001 | 15246000 | 6.36E-24      |
| chr17 | 15242001 | 15247000 | 1.36E-26      |
| chr17 | 15583001 | 15588000 | 2.54E-22      |
| chr17 | 15599001 | 15604000 | 6.09E-26      |
| chr17 | 15600001 | 15605000 | 2.98E-25      |
| chr17 | 15601001 | 15606000 | 2.61E-25      |
| chr17 | 15602001 | 15607000 | 4.04E-25      |
| chr17 | 15677001 | 15682000 | 0.001364083    |
| chr17 | 15678001 | 15683000 | 0.000340733    |
| chr17 | 15680001 | 15685000 | 1.22E-06      |
| chr17 | 15898001 | 15903000 | 3.84E-17      |
| chr17 | 15903001 | 15908000 | 6.61E-16      |
| chr17 | 16111001 | 16116000 | 9.90E-10      |
| chr17 | 16112001 | 16117000 | 4.15E-06      |
| chr17 | 16120001 | 16125000 | 2.85E-19      |
| chr17 | 16252001 | 16257000 | 1.41E-58      |
| chr17 | 16253001 | 16258000 | 4.61E-57      |
| chr17 | 16254001 | 16259000 | 3.69E-56      |
| chr17 | 16255001 | 16260000 | 9.41E-25      |
| chr17 | 16256001 | 16261000 | 1.23E-17      |
| chr17 | 16468001 | 16473000 | 3.32E-63      |
| chr17 | 16469001 | 16474000 | 1.07E-52      |
| chr17 | 16470001 | 16475000 | 1.74E-35      |
| chr17 | 16490001 | 16495000 | 2.89E-25      |
| chr17 | 16491001 | 16496000 | 2.12E-23      |
| chr17 | 16492001 | 16497000 | 7.06E-22      |
| chr17 | 16552001 | 16557000 | 9.47E-38      |
| chr17 | 16553001 | 16558000 | 1.37E-51      |
| chr17 | 16554001 | 16559000 | 1.40E-47      |
| chr17 | 16555001 | 16560000 | 1.29E-53      |
| chr17 | 16628001 | 16633000 | 4.54E-13      |
| chr17 | 16629001 | 16634000 | 3.90E-09      |
| chr17 | 16941001 | 16946000 | 9.65E-11      |
| chr17 | 17397001 | 17402000 | 6.73E-18      |
| chr17 | 17399001 | 17404000 | 1.03E-10      |
| chr17 | 17495001 | 17500000 | 4.25E-14      |
| chr17 | 17581001 | 17586000 | 7.68E-21      |
| chr17 | 26015001 | 26020000 | 7.40E-06 |
|-------|----------|----------|----------|
| chr17 | 26116001 | 26121000 | 8.09E-31 |
| chr17 | 26117001 | 26122000 | 6.26E-32 |
| chr17 | 26185001 | 26190000 | 1.53E-11 |
| chr17 | 26186001 | 26191000 | 3.97E-15 |
| chr17 | 26187001 | 26192000 | 1.75E-19 |
| chr17 | 26660001 | 26665000 | 1.19E-20 |
| chr17 | 26682001 | 26687000 | 1.06E-14 |
| chr17 | 26733001 | 26738000 | 1.19E-13 |
| chr17 | 26876001 | 26881000 | 3.63E-05 |
| chr17 | 26877001 | 26882000 | 4.72E-08 |
| chr17 | 26878001 | 26883000 | 4.11E-11 |
| chr17 | 26879001 | 26884000 | 2.70E-12 |
| chr17 | 26893001 | 26898000 | 7.07E-11 |
| chr17 | 26894001 | 26899000 | 1.36E-29 |
| chr17 | 26895001 | 26900000 | 4.74E-23 |
| chr17 | 27040001 | 27045000 | 1.02E-09 |
| chr17 | 27049001 | 27054000 | 1.73E-14 |
| chr17 | 27135001 | 27140000 | 5.21E-23 |
| chr17 | 27182001 | 27187000 | 2.33E-08 |
| chr17 | 27225001 | 27230000 | 2.87E-17 |
| chr17 | 27226001 | 27231000 | 4.67E-24 |
| chr17 | 27227001 | 27232000 | 4.32E-17 |
| chr17 | 27228001 | 27233000 | 9.04E-23 |
| chr17 | 27229001 | 27234000 | 1.13E-33 |
| chr17 | 27476001 | 27481000 | 3.55E-08 |
| chr17 | 27499001 | 27504000 | 1.46E-35 |
| chr17 | 27500001 | 27505000 | 7.75E-29 |
| chr17 | 27501001 | 27506000 | 3.80E-21 |
| chr17 | 27506001 | 27511000 | 1.34E-08 |
| chr17 | 27507001 | 27512000 | 1.13E-13 |
| chr17 | 27717001 | 27722000 | 4.15E-16 |
| chr17 | 27893001 | 27898000 | 3.04E-52 |
| chr17 | 27894001 | 27899000 | 4.67E-33 |
| chr17 | 27913001 | 27918000 | 9.23E-16 |
| chr17 | 28431001 | 28436000 | 5.65E-12 |
| chr17 | 28614001 | 28619000 | 8.98E-47 |
| chr17 | 28615001 | 28620000 | 3.23E-47 |
| chr17 | 28616001 | 28621000 | 1.21E-45 |
| chr17 | 28617001 | 28622000 | 6.01E-28 |
| chr17 | 28619001 | 28624000 | 2.52E-13 |
| chr17 | 28702001 | 28707000 | 3.73E-46 |
| chr17 | 28704001 | 28709000 | 8.82E-49 |
| chr17 | 28705001 | 28710000 | 5.41E-58 |
| chr17 | 28706001 | 28711000 | 2.45E-62 |
| chr17 | 28923001 | 28928000 | 2.13E-32 |
| chr17 | 28924001 | 28929000 | 9.97E-55 |
| chr17 | 28925001 | 28930000 | 9.36E-51 |
| chr17 | 28926001 | 28931000 | 5.72E-58 |
|-------|---------|---------|---------|
| chr17 | 28927001 | 28932000 | 1.29E-79 |
| chr17 | 28928001 | 28933000 | 4.45E-42 |
| chr17 | 29021001 | 29026000 | 2.36E-11 |
| chr17 | 29159001 | 29164000 | 2.19E-43 |
| chr17 | 29298001 | 29303000 | 2.36E-11 |
| chr17 | 29418001 | 29423000 | 4.05E-15 |
| chr17 | 30082001 | 30087000 | 1.80E-05 |
| chr17 | 30100001 | 30105000 | 4.12E-10 |
| chr17 | 30102001 | 30107000 | 3.45E-08 |
| chr17 | 30103001 | 30108000 | 5.96E-07 |
| chr17 | 30181001 | 30186000 | 4.67E-16 |
| chr17 | 30330001 | 30335000 | 3.99E-28 |
| chr17 | 30331001 | 30336000 | 5.90E-14 |
| chr17 | 30334001 | 30339000 | 3.82E-49 |
| chr17 | 30454001 | 30459000 | 4.07E-19 |
| chr17 | 30589001 | 30594000 | 9.65E-25 |
| chr17 | 30590001 | 30595000 | 3.83E-20 |
| chr17 | 30593001 | 30598000 | 1.20E-21 |
| chr17 | 30771001 | 30776000 | 5.03E-41 |
| chr17 | 30772001 | 30777000 | 4.88E-17 |
| chr17 | 30809001 | 30814000 | 0.002984139 |
| chr17 | 30811001 | 30816000 | 3.36E-18 |
| chr17 | 30812001 | 30817000 | 3.26E-22 |
| chr17 | 30813001 | 30818000 | 2.07E-29 |
| chr17 | 30814001 | 30819000 | 3.69E-19 |
| chr17 | 31059001 | 31064000 | 2.24E-06 |
| chr17 | 31060001 | 31065000 | 3.96E-08 |
| chr17 | 31061001 | 31066000 | 6.68E-06 |
| chr17 | 31063001 | 31068000 | 1.19E-06 |
| chr17 | 31134001 | 31139000 | 5.01E-08 |
| chr17 | 31135001 | 31140000 | 2.88E-07 |
| chr17 | 31136001 | 31141000 | 9.19E-10 |
| chr17 | 31137001 | 31142000 | 2.84E-09 |
| chr17 | 31145001 | 31150000 | 1.61E-17 |
| chr17 | 31146001 | 31151000 | 8.54E-17 |
| chr17 | 31147001 | 31152000 | 2.14E-20 |
| chr17 | 31179001 | 31184000 | 0.000114216 |
| chr17 | 31204001 | 31209000 | 2.19E-36 |
| chr17 | 31361001 | 31366000 | 4.09E-07 |
| chr17 | 31362001 | 31367000 | 7.51E-08 |
| chr17 | 31392001 | 31397000 | 1.91E-10 |
| chr17 | 31393001 | 31398000 | 1.38E-08 |
| chr17 | 31394001 | 31399000 | 5.62E-06 |
| Chromosome | Start (bp) | End (bp) | p-value |
|------------|------------|----------|---------|
| chr17      | 31531001   | 31536000 | 9.52E-09 |
| chr17      | 31534001   | 31539000 | 1.90E-08 |
| chr17      | 31634001   | 31639000 | 2.19E-07 |
| chr17      | 31635001   | 31640000 | 3.55E-07 |
| chr17      | 31683001   | 31688000 | 2.06E-08 |
| chr17      | 31684001   | 31689000 | 8.49E-07 |
| chr17      | 31701001   | 31706000 | 4.15E-06 |
| chr17      | 31702001   | 31707000 | 1.27E-06 |
| chr17      | 31716001   | 31721000 | 7.76E-10 |
| chr17      | 31718001   | 31723000 | 9.00E-09 |
| chr17      | 31719001   | 31724000 | 3.04E-09 |
| chr17      | 31720001   | 31725000 | 3.30E-09 |
| chr17      | 31727001   | 31732000 | 0.000529145 |
| chr17      | 31815001   | 31820000 | 2.03E-10 |
| chr17      | 31866001   | 31871000 | 1.21E-07 |
| chr17      | 31870001   | 31875000 | 7.68E-07 |
| chr17      | 31953001   | 31958000 | 4.57E-10 |
| chr17      | 31955001   | 31960000 | 8.19E-07 |
| chr17      | 32192001   | 32197000 | 0.005157097 |
| chr17      | 32436001   | 32441000 | 1.02E-10 |
| chr17      | 32438001   | 32443000 | 6.43E-12 |
| chr17      | 32534001   | 32539000 | 6.96E-19 |
| chr17      | 32535001   | 32540000 | 3.54E-20 |
| chr17      | 32536001   | 32541000 | 3.19E-22 |
| chr17      | 32537001   | 32542000 | 4.28E-23 |
| chr17      | 32538001   | 32543000 | 4.03E-20 |
| chr17      | 32555001   | 32560000 | 2.69E-11 |
| chr17      | 32556001   | 32561000 | 4.92E-11 |
| chr17      | 32557001   | 32562000 | 5.31E-12 |
| chr17      | 32558001   | 32563000 | 3.73E-09 |
| chr17      | 32559001   | 32564000 | 2.45E-08 |
| chr17      | 32653001   | 32658000 | 0.005851133 |
| chr17      | 32677001   | 32682000 | 0.000152352 |
| chr17      | 33031001   | 33036000 | 3.28E-06 |
| chr17      | 33195001   | 33200000 | 0.000106546 |
| chr17      | 33196001   | 33201000 | 4.18E-05 |
| chr17      | 33197001   | 33202000 | 9.13E-06 |
| chr17      | 33283001   | 33288000 | 4.39E-11 |
| chr17      | 33284001   | 33289000 | 1.93E-06 |
| chr17      | 33303001   | 33308000 | 3.59E-38 |
| chr17      | 33414001   | 33419000 | 1.35E-59 |
| chr17      | 33415001   | 33420000 | 3.36E-68 |
| chr17      | 33416001   | 33421000 | 5.63E-68 |
| chr17      | 33442001   | 33447000 | 1.59E-10 |
| chr17      | 33464001   | 33469000 | 7.67E-10 |
| chr17      | 33468001   | 33473000 | 4.05E-15 |
| chr17      | 33469001   | 33474000 | 5.98E-15 |
| chr17      | 33531001   | 33536000 | 1.55E-07 |
| Chr  | Start      | End        | P-value     |
|------|------------|------------|-------------|
| chr17| 33534001   | 33539000   | 0.000286436 |
| chr17| 33625001   | 33630000   | 0.000732624 |
| chr17| 33626001   | 33631000   | 1.05E-06    |
| chr17| 33643001   | 33648000   | 0.000301414 |
| chr17| 33644001   | 33649000   | 4.88E-06    |
| chr17| 33712001   | 33717000   | 1.07E-07    |
| chr17| 33714001   | 33719000   | 5.30E-05    |
| chr17| 33715001   | 33720000   | 6.05E-05    |
| chr17| 33716001   | 33721000   | 4.66E-07    |
| chr17| 33717001   | 33722000   | 7.40E-07    |
| chr17| 33739001   | 33744000   | 3.29E-05    |
| chr17| 33740001   | 33745000   | 0.00124824  |
| chr17| 33741001   | 33746000   | 4.79E-12    |
| chr17| 33742001   | 33747000   | 9.67E-08    |
| chr17| 33743001   | 33748000   | 5.39E-07    |
| chr17| 33745001   | 33750000   | 3.95E-06    |
| chr17| 33771001   | 33776000   | 1.34E-25    |
| chr17| 33772001   | 33777000   | 3.01E-11    |
| chr17| 33773001   | 33778000   | 2.58E-10    |
| chr17| 33774001   | 33779000   | 8.28E-10    |
| chr17| 33775001   | 33780000   | 7.20E-10    |
| chr17| 33783001   | 33788000   | 3.82E-14    |
| chr17| 33790001   | 33795000   | 1.24E-08    |
| chr17| 33792001   | 33797000   | 5.02E-12    |
| chr17| 34122001   | 34127000   | 5.57E-21    |
| chr17| 34137001   | 34142000   | 6.60E-15    |
| chr17| 34313001   | 34318000   | 9.99E-08    |
| chr17| 34316001   | 34321000   | 3.22E-06    |
| chr17| 34317001   | 34322000   | 7.44E-08    |
| chr17| 34319001   | 34324000   | 4.22E-07    |
| chr17| 34320001   | 34325000   | 5.06E-06    |
| chr17| 34345001   | 34350000   | 9.92E-12    |
| chr17| 34346001   | 34351000   | 3.33E-13    |
| chr17| 34347001   | 34352000   | 1.40E-12    |
| chr17| 34373001   | 34378000   | 5.57E-07    |
| chr17| 34404001   | 34409000   | 1.58E-06    |
| chr17| 34407001   | 34412000   | 2.09E-10    |
| chr17| 34519001   | 34524000   | 1.90E-05    |
| chr17| 34811001   | 34816000   | 2.36E-05    |
| chr17| 34891001   | 34896000   | 1.11E-40    |
| chr17| 34896001   | 34901000   | 2.39E-50    |
| chr17| 34897001   | 34902000   | 3.08E-43    |
| chr17| 34944001   | 34949000   | 4.93E-41    |
| chr17| 35767001   | 35772000   | 5.11E-18    |
| chr17| 35969001   | 35974000   | 8.58E-20    |
| chr17| 36452001   | 36457000   | 1.23E-20    |
| chr17| 36508001   | 36513000   | 1.48E-15    |
| chr17| 36711001   | 36716000   | 9.43E-20    |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr17      | 36761001       | 36766000     | 1.08E-07|
| chr17      | 36909001       | 36914000     | 8.18E-07|
| chr17      | 37377001       | 37382000     | 1.16E-13|
| chr17      | 37553001       | 37558000     | 1.41E-29|
| chr17      | 37746001       | 37751000     | 1.07E-07|
| chr17      | 37771001       | 37776000     | 9.52E-09|
| chr17      | 37886001       | 37891000     | 2.67E-12|
| chr17      | 37890001       | 37895000     | 6.35E-19|
| chr17      | 37891001       | 37896000     | 1.79E-18|
| chr17      | 37963001       | 37968000     | 9.30E-06|
| chr17      | 38137001       | 38142000     | 4.21E-10|
| chr17      | 38292001       | 38297000     | 7.81E-20|
| chr17      | 38293001       | 38298000     | 2.93E-17|
| chr17      | 38294001       | 38299000     | 3.42E-14|
| chr17      | 38493001       | 38498000     | 4.99E-07|
| chr17      | 38518001       | 38523000     | 2.08E-09|
| chr17      | 38596001       | 38601000     | 5.39E-21|
| chr17      | 38799001       | 38804000     | 1.31E-22|
| chr17      | 38818001       | 38823000     | 6.15E-07|
| chr17      | 38919001       | 38924000     | 0.01035196|
| chr17      | 38920001       | 38925000     | 0.000719301|
| chr17      | 38971001       | 38976000     | 2.61E-45|
| chr17      | 38972001       | 38977000     | 2.96E-69|
| chr17      | 38973001       | 38978000     | 4.91E-62|
| chr17      | 38974001       | 38979000     | 7.69E-49|
| chr17      | 38975001       | 38980000     | 6.56E-55|
| chr17      | 39002001       | 39007000     | 1.33E-05|
| chr17      | 39096001       | 39101000     | 7.75E-13|
| chr17      | 39123001       | 39128000     | 1.90E-05|
| chr17      | 39280001       | 39285000     | 3.99E-19|
| chr17      | 39302001       | 39307000     | 8.42E-33|
| chr17      | 39358001       | 39363000     | 5.14E-07|
| chr17      | 39418001       | 39423000     | 1.88E-26|
| chr17      | 39424001       | 39429000     | 1.28E-46|
| chr17      | 39425001       | 39430000     | 3.20E-29|
| chr17      | 39426001       | 39431000     | 1.88E-29|
| chr17      | 39427001       | 39432000     | 1.54E-19|
| chr17      | 39428001       | 39433000     | 4.11E-21|
| chr17      | 39436001       | 39441000     | 1.08E-44|
| chr17      | 39538001       | 39543000     | 1.07E-21|
| chr17      | 40540001       | 40545000     | 3.30E-16|
| chr17      | 40569001       | 40574000     | 3.24E-13|
| Chr  | Start | End   | P-value |
|------|-------|-------|---------|
| chr17| 40570001 | 40575000 | 3.16E-36 |
| chr17| 40571001 | 40576000 | 2.51E-30 |
| chr17| 40759001 | 40764000 | 8.89E-37 |
| chr17| 40760001 | 40765000 | 1.78E-36 |
| chr17| 40761001 | 40766000 | 4.23E-41 |
| chr17| 40807001 | 40812000 | 1.06E-31 |
| chr17| 40808001 | 40813000 | 1.14E-23 |
| chr17| 40809001 | 40814000 | 1.13E-22 |
| chr17| 40810001 | 40815000 | 6.48E-17 |
| chr17| 40811001 | 40816000 | 1.91E-18 |
| chr17| 41112001 | 41117000 | 4.22E-17 |
| chr17| 41128001 | 41133000 | 1.18E-13 |
| chr17| 41171001 | 41176000 | 6.46E-12 |
| chr17| 41172001 | 41177000 | 1.49E-12 |
| chr17| 41173001 | 41178000 | 1.88E-15 |
| chr17| 41446001 | 41451000 | 1.90E-16 |
| chr17| 41796001 | 41801000 | 1.58E-09 |
| chr17| 41978001 | 41803000 | 8.22E-13 |
| chr17| 41856001 | 41861000 | 2.40E-46 |
| chr17| 42059001 | 42064000 | 3.01E-15 |
| chr17| 42139001 | 42144000 | 5.58E-19 |
| chr17| 42197001 | 42202000 | 4.14E-05 |
| chr17| 42198001 | 42203000 | 1.13E-07 |
| chr17| 42276001 | 42281000 | 1.55E-19 |
| chr17| 42297001 | 42302000 | 7.64E-11 |
| chr17| 42298001 | 42303000 | 1.38E-12 |
| chr17| 42397001 | 42402000 | 3.32E-13 |
| chr17| 42398001 | 42403000 | 7.32E-17 |
| chr17| 42438001 | 42443000 | 2.15E-07 |
| chr17| 42439001 | 42444000 | 3.44E-11 |
| chr17| 42440001 | 42445000 | 1.34E-18 |
| chr17| 42461001 | 42466000 | 0.000394409 |
| chr17| 42462001 | 42467000 | 7.23E-05 |
| chr17| 42542001 | 42547000 | 2.03E-07 |
| chr17| 42907001 | 42912000 | 8.01E-16 |
| chr17| 42972001 | 42977000 | 7.55E-27 |
| chr17| 43234001 | 43239000 | 5.71E-21 |
| chr17| 43235001 | 43240000 | 7.48E-15 |
| chr17| 43236001 | 43241000 | 1.32E-10 |
| chr17| 43324001 | 43329000 | 4.99E-12 |
| chr17| 43325001 | 43330000 | 5.35E-14 |
| chr17| 43662001 | 43667000 | 9.48E-22 |
| chr17| 43663001 | 43668000 | 1.96E-17 |
| chr17| 43696001 | 43701000 | 2.09E-19 |
| chr17| 43697001 | 43702000 | 1.12E-24 |
| chr17| 43698001 | 43703000 | 1.16E-15 |
| chr17| 44269001 | 44274000 | 1.94E-21 |
| chr17| 44270001 | 44275000 | 2.28E-14 |
| Chromosome | Start | End   | P-value          |
|------------|-------|-------|------------------|
| chr17      | 44271001 | 44276000 | 9.96E-06          |
| chr17      | 44298001 | 44303000 | 4.59E-22          |
| chr17      | 44299001 | 44304000 | 6.31E-21          |
| chr17      | 44300001 | 44305000 | 2.89E-09          |
| chr17      | 44848001 | 44853000 | 2.18E-14          |
| chr17      | 44849001 | 44854000 | 5.33E-09          |
| chr17      | 45262001 | 45267000 | 3.30E-31          |
| chr17      | 45264001 | 45269000 | 4.61E-21          |
| chr17      | 45271001 | 45276000 | 4.42E-12          |
| chr17      | 45727001 | 45827000 | 4.30E-20          |
| chr17      | 46174001 | 46180000 | 3.58E-16          |
| chr17      | 46176001 | 46181000 | 1.23E-14          |
| chr17      | 46569001 | 46574000 | 4.89E-11          |
| chr17      | 46747001 | 46752000 | 9.77E-16          |
| chr17      | 46748001 | 46753000 | 1.60E-16          |
| chr17      | 46749001 | 46754000 | 1.32E-15          |
| chr17      | 46982001 | 46987000 | 1.03E-26          |
| chr17      | 47022001 | 47027000 | 3.26E-05          |
| chr17      | 47488001 | 47493000 | 5.34E-18          |
| chr17      | 47574001 | 47579000 | 3.28E-21          |
| chr17      | 47633001 | 47638000 | 6.18E-07          |
| chr17      | 47785001 | 47790000 | 9.76E-07          |
| chr17      | 47862001 | 47867000 | 1.05E-26          |
| chr17      | 47865001 | 47870000 | 7.23E-43          |
| chr17      | 47866001 | 47871000 | 8.57E-32          |
| chr17      | 47956001 | 47961000 | 8.34E-10          |
| chr17      | 48203001 | 48208000 | 3.29E-07          |
| chr17      | 48234001 | 48239000 | 2.28E-30          |
| chr17      | 48235001 | 48240000 | 2.99E-37          |
| chr17      | 48236001 | 48241000 | 4.98E-35          |
| chr17      | 48237001 | 48242000 | 1.44E-30          |
| chr17      | 48419001 | 48424000 | 2.23E-20          |
| chr17      | 48420001 | 48425000 | 2.86E-16          |
| chr17      | 48421001 | 48426000 | 8.39E-11          |
| chr17      | 48422001 | 48427000 | 5.50E-09          |
| chr17      | 48423001 | 48428000 | 0.001701791       |
| chr17      | 48503001 | 48508000 | 5.51E-06          |
| chr17      | 49243001 | 49248000 | 5.26E-27          |
| chr17      | 49244001 | 49249000 | 3.02E-34          |
| chr17      | 49333001 | 49338000 | 1.86E-34          |
| chr17      | 49526001 | 49531000 | 5.50E-09          |
| chr17      | 49641001 | 49646000 | 1.20E-07          |
| chr17      | 49642001 | 49647000 | 1.46E-12          |
| chr17      | 49643001 | 49648000 | 9.13E-19          |
| chr17      | 49644001 | 49649000 | 4.63E-17          |
| chr17      | 49645001 | 49650000 | 1.07E-13          |
| chr17      | 49646001 | 49651000 | 5.15E-11          |
| Chr | Start | End   | Value       |
|-----|-------|-------|-------------|
| chr17 | 49697001 | 49702000 | 2.07E-09    |
| chr17 | 49759001 | 49764000 | 1.15E-10    |
| chr17 | 49761001 | 49766000 | 3.39E-05    |
| chr17 | 49762001 | 49767000 | 2.27E-06    |
| chr17 | 49763001 | 49768000 | 5.23E-05    |
| chr17 | 49766001 | 49771000 | 7.16E-06    |
| chr17 | 49811001 | 49816000 | 1.28E-06    |
| chr17 | 49981001 | 49986000 | 1.24E-09    |
| chr17 | 49989001 | 49994000 | 0.005233344 |
| chr17 | 49999001 | 50004000 | 0.00357495  |
| chr17 | 50059001 | 50064000 | 0.027952375 |
| chr17 | 50060001 | 50065000 | 0.000104881 |
| chr17 | 50061001 | 50066000 | 0.000110228 |
| chr17 | 50062001 | 50067000 | 8.63E-05    |
| chr17 | 50065001 | 50070000 | 4.67E-07    |
| chr17 | 50066001 | 50071000 | 5.24E-07    |
| chr17 | 50067001 | 50072000 | 1.60E-06    |
| chr17 | 50073001 | 50078000 | 0.001305303 |
| chr17 | 50074001 | 50079000 | 8.29E-06    |
| chr17 | 50075001 | 50080000 | 5.35E-06    |
| chr17 | 50076001 | 50081000 | 2.04E-05    |
| chr17 | 50077001 | 50082000 | 4.02E-05    |
| chr17 | 50096001 | 50101000 | 0.008824022 |
| chr17 | 50097001 | 50102000 | 0.012178274 |
| chr17 | 50333001 | 50338000 | 0.00071354  |
| chr17 | 50357001 | 50362000 | 9.10E-07    |
| chr17 | 50374001 | 50379000 | 0.000528315 |
| chr17 | 50375001 | 50380000 | 0.019658434 |
| chr17 | 50379001 | 50384000 | 0.003192592 |
| chr17 | 50380001 | 50385000 | 0.009249871 |
| chr17 | 50416001 | 50421000 | 0.006955543 |
| chr17 | 50417001 | 50422000 | 5.28E-05    |
| chr17 | 50418001 | 50423000 | 0.000315524 |
| chr17 | 50502001 | 50507000 | 0.000113288 |
| chr17 | 50505001 | 50510000 | 7.24E-05    |
| chr17 | 50968001 | 50973000 | 1.64E-06    |
| chr17 | 50969001 | 50974000 | 2.13E-05    |
| chr17 | 51161001 | 51166000 | 0.000177114 |
| chr17 | 51162001 | 51167000 | 8.58E-05    |
| chr17 | 51165001 | 51170000 | 1.45E-06    |
| chr17 | 51328001 | 51333000 | 3.61E-06    |
| chr17 | 51329001 | 51334000 | 6.18E-07    |
| chr17 | 51330001 | 51335000 | 1.15E-06    |
| chr17 | 51343001 | 51348000 | 2.46E-05    |
| chr17 | 51667001 | 51672000 | 0.000156832 |
| chr17 | 51720001 | 51725000 | 1.33E-05    |
| chr17 | 51786001 | 51791000 | 4.45E-06    |
| chr17 | 51787001 | 51792000 | 9.51E-07    |
| Chromosome | Start | End   | Value       |
|------------|-------|-------|-------------|
| chr17      | 51803001 | 51808000 | 8.45E-05    |
| chr17      | 51850001 | 51855000 | 3.96E-06    |
| chr17      | 51851001 | 51856000 | 4.76E-06    |
| chr17      | 51852001 | 51857000 | 2.33E-06    |
| chr17      | 51864001 | 51869000 | 3.30E-08    |
| chr17      | 51951001 | 51956000 | 3.32E-05    |
| chr17      | 51953001 | 51958000 | 1.79E-06    |
| chr17      | 51963001 | 51968000 | 0.007317037 |
| chr17      | 52109001 | 52114000 | 3.17E-05    |
| chr17      | 52134001 | 52139000 | 0.000220959 |
| chr17      | 52151001 | 52156000 | 0.001227222 |
| chr17      | 52152001 | 52157000 | 0.001307356 |
| chr17      | 52160001 | 52165000 | 2.52E-08    |
| chr17      | 52162001 | 52167000 | 1.92E-07    |
| chr17      | 52184001 | 52189000 | 0.003452144 |
| chr17      | 52197001 | 52202000 | 5.18E-05    |
| chr17      | 52199001 | 52204000 | 4.70E-05    |
| chr17      | 52286001 | 52291000 | 0.000603803 |
| chr17      | 52288001 | 52293000 | 0.001050947 |
| chr17      | 52359001 | 52364000 | 0.000458251 |
| chr17      | 52360001 | 52365000 | 2.03E-07    |
| chr17      | 52383001 | 52388000 | 0.000846387 |
| chr17      | 52395001 | 52400000 | 4.03E-08    |
| chr17      | 52396001 | 52401000 | 8.24E-09    |
| chr17      | 52397001 | 52402000 | 1.93E-07    |
| chr17      | 52398001 | 52403000 | 7.25E-07    |
| chr17      | 52399001 | 52404000 | 0.000151095 |
| chr17      | 52406001 | 52411000 | 8.47E-08    |
| chr17      | 52422001 | 52427000 | 0.000172217 |
| chr17      | 52442001 | 52447000 | 0.0001086206|
| chr17      | 52481001 | 52486000 | 4.83E-08    |
| chr17      | 52482001 | 52487000 | 2.90E-10    |
| chr17      | 52483001 | 52488000 | 8.44E-11    |
| chr17      | 52484001 | 52489000 | 1.43E-11    |
| chr17      | 52485001 | 52490000 | 1.38E-12    |
| chr17      | 52486001 | 52491000 | 4.37E-20    |
| chr17      | 52487001 | 52492000 | 3.86E-19    |
| chr17      | 52488001 | 52493000 | 1.44E-13    |
| chr17      | 52536001 | 52541000 | 2.93E-06    |
| chr17      | 52556001 | 52561000 | 0.001993409 |
| chr17      | 52577001 | 52582000 | 8.90E-07    |
| chr17      | 52593001 | 52598000 | 1.68E-09    |
| chr17      | 52619001 | 52624000 | 3.97E-10    |
| chr17      | 52637001 | 52642000 | 1.43E-05    |
| chr17      | 52661001 | 52666000 | 8.55E-07    |
| chr17      | 52662001 | 52667000 | 1.91E-06    |
| chr17      | 52663001 | 52668000 | 7.98E-06    |
| Chromosome | Start Position | End Position | p-Value   |
|------------|----------------|--------------|-----------|
| chr17      | 52733001       | 52738000     | 5.18E-09  |
| chr17      | 52734001       | 52739000     | 3.85E-10  |
| chr17      | 52735001       | 52740000     | 4.05E-11  |
| chr17      | 52787001       | 52792000     | 0.000609065 |
| chr17      | 52841001       | 52846000     | 1.98E-05  |
| chr17      | 52903001       | 52908000     | 0.000137436 |
| chr17      | 52921001       | 52926000     | 0.001890111 |
| chr17      | 53041001       | 53046000     | 7.81E-57  |
| chr17      | 53042001       | 53047000     | 7.29E-50  |
| chr17      | 53043001       | 53048000     | 1.95E-31  |
| chr17      | 53046001       | 53051000     | 1.32E-45  |
| chr17      | 53316001       | 53321000     | 4.78E-17  |
| chr17      | 53413001       | 53418000     | 9.41E-08  |
| chr17      | 53494001       | 53499000     | 7.44E-11  |
| chr17      | 53495001       | 53500000     | 1.60E-12  |
| chr17      | 53679001       | 53684000     | 0.007641068 |
| chr17      | 53685001       | 53690000     | 7.00E-14  |
| chr17      | 53828001       | 53833000     | 2.45E-21  |
| chr17      | 53835001       | 53840000     | 0.000180808 |
| chr17      | 53881001       | 53886000     | 8.83E-05  |
| chr17      | 53931001       | 53936000     | 1.46E-07  |
| chr17      | 53932001       | 53937000     | 0.000112685 |
| chr17      | 53933001       | 53938000     | 9.89E-05  |
| chr17      | 53940001       | 53945000     | 0.000275278 |
| chr17      | 53951001       | 53956000     | 7.12E-08  |
| chr17      | 53982001       | 53987000     | 8.18E-05  |
| chr17      | 53984001       | 53989000     | 5.17E-08  |
| chr17      | 54006001       | 54011000     | 2.34E-06  |
| chr17      | 54007001       | 54012000     | 1.34E-05  |
| chr17      | 54008001       | 54013000     | 0.000112622 |
| chr17      | 54009001       | 54014000     | 9.87E-16  |
| chr17      | 54010001       | 54015000     | 6.82E-18  |
| chr17      | 54011001       | 54016000     | 1.11E-11  |
| chr17      | 54013001       | 54018000     | 2.49E-13  |
| chr17      | 54019001       | 54024000     | 1.78E-09  |
| chr17      | 54021001       | 54026000     | 3.32E-06  |
| chr17      | 54022001       | 54027000     | 1.14E-08  |
| chr17      | 54023001       | 54028000     | 2.71E-11  |
| chr17      | 54024001       | 54029000     | 5.46E-12  |
| chr17      | 54025001       | 54030000     | 8.58E-12  |
| chr17      | 54026001       | 54031000     | 3.10E-11  |
| chr17      | 54027001       | 54032000     | 1.15E-07  |
| chr17      | 54035001       | 54040000     | 4.27E-05  |
| chr17      | 54049001       | 54054000     | 6.71E-08  |
| chr17      | 54050001       | 54055000     | 4.73E-06  |
| chr17      | 54068001       | 54073000     | 5.51E-09  |
| chr17      | 54081001       | 54086000     | 8.89E-16  |
| chr17      | 54082001       | 54087000     | 6.45E-11  |
| Chr  | Start  | End    | Value   |
|------|--------|--------|---------|
| chr17| 54085001 | 54090000 | 1.80E-05 |
| chr17| 54097001 | 54102000 | 1.74E-05 |
| chr17| 54099001 | 54104000 | 0.000411642 |
| chr17| 54100001 | 54105000 | 5.98E-05 |
| chr17| 54102001 | 54107000 | 7.64E-05 |
| chr17| 54104001 | 54109000 | 3.71E-06 |
| chr17| 54106001 | 54111000 | 9.20E-10 |
| chr17| 54108001 | 54113000 | 7.96E-11 |
| chr17| 54113001 | 54135000 | 8.57E-06 |
| chr17| 54133001 | 54138000 | 2.64E-05 |
| chr17| 54134001 | 54139000 | 7.92E-06 |
| chr17| 54256001 | 54261000 | 0.000208451 |
| chr17| 54276001 | 54281000 | 5.58E-08 |
| chr17| 54295001 | 54300000 | 9.50E-06 |
| chr17| 54296001 | 54301000 | 2.68E-06 |
| chr17| 54298001 | 54303000 | 1.72E-07 |
| chr17| 54315001 | 54320000 | 0.000389946 |
| chr17| 54353001 | 54358000 | 0.000148649 |
| chr17| 54355001 | 54360000 | 5.97E-05 |
| chr17| 54356001 | 54361000 | 3.51E-06 |
| chr17| 54357001 | 54362000 | 2.97E-07 |
| chr17| 54358001 | 54363000 | 7.73E-06 |
| chr17| 54370001 | 54375000 | 2.50E-06 |
| chr17| 54371001 | 54376000 | 3.04E-09 |
| chr17| 54409001 | 54414000 | 1.10E-09 |
| chr17| 54416001 | 54421000 | 0.001248308 |
| chr17| 54418001 | 54423000 | 0.00095894 |
| chr17| 54419001 | 54424000 | 2.90E-05 |
| chr17| 54420001 | 54425000 | 1.10E-05 |
| chr17| 54421001 | 54426000 | 0.00103031 |
| chr17| 54422001 | 54427000 | 1.49E-06 |
| chr17| 54423001 | 54428000 | 5.86E-05 |
| chr17| 54435001 | 54440000 | 1.05E-06 |
| chr17| 54483001 | 54488000 | 0.001185445 |
| chr17| 54496001 | 54501000 | 2.47E-12 |
| chr17| 54518001 | 54523000 | 0.001641305 |
| chr17| 54519001 | 54524000 | 0.000345607 |
| chr17| 54540001 | 54545000 | 9.67E-06 |
| chr17| 54546001 | 54551000 | 6.97E-06 |
| chr17| 54547001 | 54552000 | 1.00E-05 |
| chr17| 54548001 | 54553000 | 1.68E-05 |
| chr17| 54589001 | 54594000 | 0.000203352 |
| chr17| 54615001 | 54620000 | 3.26E-08 |
| chr17| 54727001 | 54732000 | 5.39E-07 |
| chr17| 54825001 | 54830000 | 5.18E-14 |
| Chromosome | Start | End   | Score  |
|------------|-------|-------|--------|
| chr17      | 54894001 | 54899000 | 5.44E-09 |
| chr17      | 54897001 | 54902000 | 1.34E-06 |
| chr17      | 54907001 | 54912000 | 1.28E-06 |
| chr17      | 54911001 | 54916000 | 3.87E-51 |
| chr17      | 54912001 | 54917000 | 1.26E-40 |
| chr17      | 55038001 | 55043000 | 5.12E-16 |
| chr17      | 55158001 | 55163000 | 1.85E-43 |
| chr17      | 55159001 | 55164000 | 3.46E-52 |
| chr17      | 55160001 | 55165000 | 8.25E-44 |
| chr17      | 55161001 | 55166000 | 3.26E-36 |
| chr17      | 55162001 | 55167000 | 5.44E-31 |
| chr17      | 55163001 | 55168000 | 2.04E-49 |
| chr17      | 55334001 | 55339000 | 5.11E-17 |
| chr17      | 56028001 | 56033000 | 2.59E-14 |
| chr17      | 56029001 | 56034000 | 2.56E-11 |
| chr17      | 56065001 | 56070000 | 1.88E-34 |
| chr17      | 56080001 | 56085000 | 3.01E-56 |
| chr17      | 56131001 | 56136000 | 3.25E-05 |
| chr17      | 56157001 | 56162000 | 3.98E-08 |
| chr17      | 56159001 | 56164000 | 7.69E-07 |
| chr17      | 56160001 | 56165000 | 2.77E-13 |
| chr17      | 56161001 | 56166000 | 4.17E-12 |
| chr17      | 56296001 | 56301000 | 2.74E-39 |
| chr17      | 56587001 | 56592000 | 2.34E-16 |
| chr17      | 56589001 | 56594000 | 5.44E-13 |
| chr17      | 56829001 | 56834000 | 1.84E-22 |
| chr17      | 56830001 | 56835000 | 1.61E-24 |
| chr17      | 56832001 | 56837000 | 1.66E-31 |
| chr17      | 56833001 | 56838000 | 6.19E-46 |
| chr17      | 57105001 | 57110000 | 0.000198683 |
| chr17      | 57179001 | 57184000 | 9.88E-24 |
| chr17      | 57180001 | 57185000 | 1.12E-43 |
| chr17      | 57283001 | 57288000 | 4.75E-11 |
| chr17      | 57284001 | 57289000 | 1.23E-16 |
| chr17      | 57285001 | 57290000 | 5.78E-21 |
| chr17      | 57286001 | 57291000 | 6.18E-21 |
| chr17      | 57287001 | 57292000 | 2.51E-22 |
| chr17      | 57297001 | 57302000 | 2.39E-38 |
| chr17      | 57298001 | 57303000 | 5.11E-27 |
| chr17      | 57406001 | 57411000 | 1.37E-24 |
| chr17      | 57407001 | 57412000 | 1.22E-20 |
| chr17      | 57408001 | 57413000 | 2.62E-41 |
| chr17      | 57409001 | 57414000 | 8.59E-67 |
| chr17      | 57643001 | 57648000 | 1.36E-12 |
| chr17      | 57966001 | 57971000 | 1.35E-18 |
| chr17      | 57967001 | 57972000 | 7.07E-28 |
| chr17      | 57968001 | 57973000 | 3.44E-15 |
| Chromosome | Start Position | End Position | P-Value       |
|------------|----------------|--------------|---------------|
| chr17      | 57969001       | 57974000     | 1.15E-17      |
| chr17      | 57970001       | 57975000     | 1.07E-28      |
| chr17      | 58039001       | 58044000     | 1.21E-38      |
| chr17      | 58040001       | 58045000     | 7.50E-38      |
| chr17      | 58041001       | 58046000     | 1.03E-42      |
| chr17      | 58042001       | 58047000     | 1.31E-43      |
| chr17      | 58151001       | 58156000     | 6.56E-26      |
| chr17      | 58152001       | 58157000     | 4.66E-31      |
| chr17      | 58156001       | 58161000     | 1.04E-17      |
| chr17      | 58467001       | 58472000     | 7.51E-53      |
| chr17      | 58468001       | 58473000     | 9.21E-56      |
| chr17      | 58469001       | 58474000     | 5.29E-59      |
| chr17      | 59909001       | 59914000     | 0.000114018   |
| chr17      | 60000001       | 60005000     | 1.67E-18      |
| chr17      | 60001001       | 60006000     | 1.22E-35      |
| chr17      | 60486001       | 60491000     | 6.05E-06      |
| chr17      | 60497001       | 60502000     | 4.82E-50      |
| chr17      | 60499001       | 60504000     | 7.60E-34      |
| chr17      | 60551001       | 60556000     | 9.43E-20      |
| chr17      | 60552001       | 60557000     | 5.60E-12      |
| chr17      | 60777001       | 60782000     | 1.90E-12      |
| chr17      | 61039001       | 61044000     | 3.40E-51      |
| chr17      | 61202001       | 61207000     | 1.24E-08      |
| chr17      | 61203001       | 61208000     | 5.26E-09      |
| chr17      | 61204001       | 61209000     | 1.94E-07      |
| chr17      | 61234001       | 61239000     | 5.13E-06      |
| chr17      | 61628001       | 61633000     | 7.69E-45      |
| chr17      | 61676001       | 61681000     | 1.72E-28      |
| chr17      | 61695001       | 61700000     | 1.82E-28      |
| chr17      | 61777001       | 61782000     | 9.01E-16      |
| chr17      | 61814001       | 61819000     | 2.25E-08      |
| chr17      | 61900001       | 61905000     | 1.40E-28      |
| chr17      | 62335001       | 62340000     | 1.58E-35      |
| chr17      | 62336001       | 62341000     | 2.27E-50      |
| chr17      | 62503001       | 62508000     | 3.21E-38      |
| chr17      | 62658001       | 62663000     | 2.82E-86      |
| chr17      | 62776001       | 62781000     | 1.92E-11      |
| chr17      | 62832001       | 62837000     | 3.00E-25      |
| chr17      | 62833001       | 62838000     | 8.94E-41      |
| chr17      | 62911001       | 62916000     | 2.62E-47      |
| chr17      | 62912001       | 62917000     | 4.92E-55      |
| chr17      | 62913001       | 62918000     | 5.33E-75      |
| chr17      | 62914001       | 62919000     | 1.26E-71      |
| chr17      | 62915001       | 62920000     | 6.08E-103     |
| chr17      | 62962001       | 62967000     | 3.32E-47      |
| chr17      | 62967001       | 62972000     | 1.23E-108     |
| chr17      | 63048001       | 63053000     | 5.52E-101     |
| chr17      | 63092001       | 63097000     | 5.82E-20      |
| Chromosome | Start Base | End Base | p-Value |
|------------|------------|----------|---------|
| chr17      | 63090000   | 63090000 | 2.05E-28 |
| chr17      | 63129000   | 63129000 | 4.18E-46 |
| chr17      | 63132000   | 63132000 | 5.14E-22 |
| chr17      | 63290000   | 63290000 | 1.86E-23 |
| chr17      | 63343000   | 63343000 | 8.22E-07 |
| chr17      | 63758000   | 63758000 | 0.00682959 |
| chr17      | 63850000   | 63850000 | 3.78E-05 |
| chr17      | 64188000   | 64188000 | 5.21E-49 |
| chr17      | 64298000   | 64298000 | 2.00E-67 |
| chr17      | 64299000   | 64299000 | 7.95E-64 |
| chr17      | 65237000   | 65237000 | 2.63E-41 |
| chr17      | 65238000   | 65238000 | 2.91E-42 |
| chr17      | 65239000   | 65239000 | 2.60E-46 |
| chr17      | 65240000   | 65240000 | 3.02E-16 |
| chr17      | 65241000   | 65241000 | 2.56E-19 |
| chr17      | 65373000   | 65373000 | 9.85E-43 |
| chr17      | 65374000   | 65374000 | 6.58E-37 |
| chr17      | 65713000   | 65713000 | 4.23E-58 |
| chr17      | 65714000   | 65714000 | 3.83E-42 |
| chr17      | 65985000   | 65985000 | 1.29E-60 |
| chr17      | 65986000   | 65986000 | 1.74E-54 |
| chr17      | 65992000   | 65992000 | 8.99E-13 |
| chr17      | 66016000   | 66016000 | 2.71E-33 |
| chr17      | 66188000   | 66188000 | 2.07E-57 |
| chr17      | 66189000   | 66189000 | 9.69E-73 |
| chr17      | 66190000   | 66190000 | 5.46E-61 |
| chr17      | 66191000   | 66191000 | 4.81E-21 |
| chr17      | 66199000   | 66199000 | 1.59E-55 |
| chr17      | 66239000   | 66239000 | 1.16E-76 |
| chr17      | 66240000   | 66240000 | 3.78E-104 |
| chr17      | 66241000   | 66241000 | 1.35E-90 |
| chr17      | 66242000   | 66242000 | 1.69E-96 |
| chr17      | 66243000   | 66243000 | 2.51E-72 |
| chr17      | 66244000   | 66244000 | 3.15E-67 |
| chr17      | 66283000   | 66283000 | 4.04E-40 |
| chr17      | 66284000   | 66284000 | 1.34E-54 |
| chr17      | 66285000   | 66285000 | 1.00E-58 |
| chr17      | 66286000   | 66286000 | 1.02E-48 |
| chr17      | 66287000   | 66287000 | 2.60E-65 |
| chr17      | 66288000   | 66288000 | 1.13E-38 |
| chr17      | 66503000   | 66503000 | 1.46E-18 |
| chr17      | 66504000   | 66504000 | 4.53E-56 |
| chr17      | 66508000   | 66508000 | 1.16E-63 |
| chr17      | 66597000   | 66597000 | 3.87E-47 |
| chr17      | 66613000   | 66613000 | 4.81E-07 |
| chr17      | 66614000   | 66614000 | 6.79E-12 |
| chr17      | 66616000   | 66616000 | 2.01E-08 |
| chr17      | 66712000   | 66712000 | 1.02E-08 |
| Chr  | Start  | End    | P-value  |
|------|--------|--------|----------|
| chr17| 66713001 | 66718000 | 4.89E-07  |
| chr17| 66714001 | 66719000 | 5.00E-12  |
| chr17| 66715001 | 66720000 | 9.92E-07  |
| chr17| 66716001 | 66721000 | 8.91E-06  |
| chr17| 66718001 | 66723000 | 2.48E-08  |
| chr17| 66722001 | 66727000 | 2.65E-20  |
| chr17| 66723001 | 66728000 | 3.02E-17  |
| chr17| 66875001 | 66880000 | 6.98E-13  |
| chr17| 66882001 | 66887000 | 5.12E-06  |
| chr17| 66883001 | 66888000 | 1.82E-06  |
| chr17| 66884001 | 66889000 | 1.20E-06  |
| chr17| 66885001 | 66890000 | 1.85E-05  |
| chr17| 66886001 | 66891000 | 7.81E-06  |
| chr17| 66888001 | 66893000 | 9.89E-08  |
| chr17| 66889001 | 66894000 | 3.15E-07  |
| chr17| 66892001 | 66897000 | 4.17E-07  |
| chr17| 66914001 | 66919000 | 5.40E-10  |
| chr17| 66990001 | 66995000 | 9.18E-13  |
| chr17| 66992001 | 66997000 | 4.49E-15  |
| chr17| 66993001 | 66998000 | 1.48E-12  |
| chr17| 67007001 | 67012000 | 1.86E-10  |
| chr17| 67008001 | 67013000 | 1.94E-11  |
| chr17| 67029001 | 67034000 | 5.84E-07  |
| chr17| 67032001 | 67037000 | 9.36E-09  |
| chr17| 67033001 | 67038000 | 1.38E-08  |
| chr17| 67034001 | 67039000 | 1.55E-08  |
| chr17| 67035001 | 67040000 | 3.62E-08  |
| chr17| 67036001 | 67041000 | 2.50E-06  |
| chr17| 67040001 | 67045000 | 0.000287889 |
| chr17| 67042001 | 67047000 | 1.43E-06  |
| chr17| 67062001 | 67067000 | 4.03E-12  |
| chr17| 67069001 | 67074000 | 5.79E-05  |
| chr17| 67072001 | 67077000 | 2.93E-06  |
| chr17| 67073001 | 67078000 | 5.37E-05  |
| chr17| 67074001 | 67079000 | 1.30E-06  |
| chr17| 67082001 | 67087000 | 8.16E-07  |
| chr17| 67095001 | 67100000 | 1.85E-05  |
| chr17| 67105001 | 67110000 | 2.42E-05  |
| chr17| 67149001 | 67154000 | 0.000156147 |
| chr17| 67150001 | 67155000 | 0.000401812 |
| chr17| 67199001 | 67204000 | 0.000136255 |
| chr17| 67200001 | 67205000 | 0.00021551 |
| chr17| 67201001 | 67206000 | 0.000214579 |
| chr17| 67202001 | 67207000 | 7.18E-05  |
| chr17| 67203001 | 67208000 | 2.11E-05  |
| chr17| 67217001 | 67222000 | 0.000568843 |
| chr17| 67218001 | 67223000 | 1.98E-05  |
| chr17| 67219001 | 67224000 | 0.00016052 |
| chr17 | 67221001 | 67226000 | 0.008363025 |
| chr17 | 67226001 | 67231000 | 2.58E-08   |
| chr17 | 67227001 | 67232000 | 1.52E-07   |
| chr17 | 67228001 | 67233000 | 3.77E-06   |
| chr17 | 67272001 | 67277000 | 1.33E-15   |
| chr17 | 67273001 | 67278000 | 1.46E-12   |
| chr17 | 67318001 | 67323000 | 4.29E-35   |
| chr17 | 67319001 | 67324000 | 1.20E-51   |
| chr17 | 67320001 | 67325000 | 1.15E-76   |
| chr17 | 67321001 | 67326000 | 2.54E-76   |
| chr17 | 67322001 | 67327000 | 7.40E-63   |
| chr17 | 67323001 | 67328000 | 2.24E-80   |
| chr17 | 67353001 | 67537000 | 5.74E-05   |
| chr17 | 67661001 | 67666000 | 0.00153035 |
| chr17 | 67662001 | 67667000 | 1.29E-05   |
| chr17 | 67719001 | 67724000 | 0.001082855|
| chr17 | 68087001 | 68092000 | 9.97E-06   |
| chr17 | 68160001 | 68165000 | 6.18E-40   |
| chr17 | 68161001 | 68166000 | 8.96E-118  |
| chr17 | 68162001 | 68167000 | 1.07E-96   |
| chr17 | 68176001 | 68181000 | 1.38E-41   |
| chr17 | 68177001 | 68182000 | 2.13E-36   |
| chr17 | 68178001 | 68183000 | 2.32E-34   |
| chr17 | 68179001 | 68184000 | 3.10E-32   |
| chr17 | 68180001 | 68185000 | 1.58E-31   |
| chr17 | 68199001 | 68204000 | 2.35E-07   |
| chr17 | 68247001 | 68252000 | 6.31E-07   |
| chr17 | 68249001 | 68254000 | 4.90E-07   |
| chr17 | 68250001 | 68255000 | 9.87E-07   |
| chr17 | 68264001 | 68269000 | 2.94E-12   |
| chr17 | 68289001 | 68294000 | 3.38E-05   |
| chr17 | 68296001 | 68301000 | 8.70E-06   |
| chr17 | 68297001 | 68302000 | 2.51E-06   |
| chr17 | 68298001 | 68303000 | 7.84E-06   |
| chr17 | 68299001 | 68304000 | 1.45E-07   |
| chr17 | 68300001 | 68305000 | 4.94E-06   |
| chr17 | 68327001 | 68332000 | 3.19E-06   |
| chr17 | 68342001 | 68347000 | 1.59E-09   |
| chr17 | 68343001 | 68348000 | 1.21E-11   |
| chr17 | 68344001 | 68349000 | 1.96E-10   |
| chr17 | 68345001 | 68350000 | 3.61E-10   |
| chr17 | 68346001 | 68351000 | 9.62E-16   |
| chr17 | 68347001 | 68352000 | 2.14E-10   |
| chr17 | 68348001 | 68353000 | 5.78E-10   |
| chr17 | 68349001 | 68354000 | 6.57E-07   |
| chr17 | 68396001 | 68401000 | 5.67E-07   |
| chr17 | 68397001 | 68402000 | 0.001290763|
| chr17 | 68399001 | 68404000 | 0.016617634|
| chr17 | start | end   | p-value   |
|-------|-------|-------|-----------|
| 6829  | 6842  | 6843  | 2.94E-09  |
| 6830  | 6843  | 6845  | 2.00E-10  |
| 6831  | 6843  | 6847  | 1.15E-08  |
| 6832  | 6843  | 6848  | 2.70E-06  |
| 6833  | 6846  | 6849  | 1.71E-20  |
| 6834  | 6846  | 6847  | 4.32E-20  |
| 6835  | 6846  | 6847  | 1.90E-27  |
| 6836  | 6847  | 6847  | 1.88E-23  |
| 6837  | 6846  | 6847  | 1.50E-26  |
| 6838  | 6846  | 6847  | 6.54E-14  |
| 6839  | 6853  | 6854  | 9.95E-08  |
| 6840  | 6853  | 6854  | 2.23E-08  |
| 6841  | 6853  | 6854  | 1.25E-06  |
| 6842  | 6866  | 6867  | 0.001973755 |
| 6843  | 6929  | 6930  | 2.54E-05  |
| 6843  | 7011  | 7012  | 8.67E-16  |
| 6844  | 7058  | 7059  | 8.79E-59  |
| 6844  | 7122  | 7123  | 3.41E-53  |
| 6845  | 7123  | 7123  | 4.29E-46  |
| 6846  | 7123  | 7123  | 9.92E-61  |
| 6846  | 7123  | 7123  | 4.09E-39  |
| 6846  | 7123  | 7123  | 1.74E-55  |
| 6846  | 7130  | 7130  | 2.89E-09  |
| 6846  | 7130  | 7130  | 1.94E-21  |
| 6846  | 7130  | 7130  | 1.50E-27  |
| 6846  | 7130  | 7130  | 4.44E-34  |
| 6846  | 7130  | 7130  | 1.86E-14  |
| 6846  | 7191  | 7192  | 8.26E-13  |
| 6846  | 7192  | 7192  | 5.53E-13  |
| 6846  | 7192  | 7192  | 3.62E-11  |
| 6846  | 7192  | 7192  | 5.89E-11  |
| 6846  | 7194  | 7194  | 2.40E-10  |
| 6846  | 7194  | 7194  | 3.09E-14  |
| 6846  | 7196  | 7196  | 2.56E-07  |
| 6846  | 7196  | 7196  | 1.07E-08  |
| 6846  | 7196  | 7196  | 7.22E-07  |
| 6846  | 7206  | 7206  | 1.89E-15  |
| 6846  | 7206  | 7206  | 3.85E-15  |
| 6846  | 7206  | 7206  | 4.68E-15  |
| 6846  | 7206  | 7206  | 5.13E-15  |
| 6846  | 7212  | 7212  | 1.38E-13  |
| 6846  | 7212  | 7212  | 2.32E-10  |
| 6846  | 7219  | 7220  | 7.85E-26  |
| 6846  | 7250  | 7250  | 0.00054308  |
| 6846  | 7250  | 7250  | 0.00082939  |
| 6846  | 7265  | 7266  | 3.17E-09  |
| 6846  | 7274  | 7274  | 8.58E-25  |
| chr17 | start | end   | p-value     |
|-------|-------|-------|-------------|
| 75726001 | 75731000 | 4.07E-18 |
| 76006001 | 76011000 | 5.61E-12  |
| 76306001 | 76311000 | 8.77E-13  |
| 76307001 | 76312000 | 5.85E-12  |
| 76345001 | 76350000 | 1.97E-09  |
| 76346001 | 76351000 | 3.73E-10  |
| 76347001 | 76352000 | 1.27E-05  |
| 76836001 | 76841000 | 7.47E-25  |
| 76917001 | 76922000 | 1.15E-10  |
| 76918001 | 76923000 | 4.23E-08  |
| 77067001 | 77072000 | 1.43E-11  |
| 77069001 | 77074000 | 5.53E-14  |
| 77070001 | 77075000 | 3.21E-14  |
| 77071001 | 77076000 | 2.30E-12  |
| 77642001 | 77647000 | 4.11E-15  |
| 77643001 | 77648000 | 7.63E-17  |
| 77644001 | 77649000 | 4.14E-14  |
| 77787001 | 77792000 | 2.74E-09  |
| 77817001 | 77822000 | 4.49E-27  |
| 78009001 | 78014000 | 1.58E-30  |
| 78010001 | 78015000 | 1.56E-31  |
| 78384001 | 78389000 | 5.73E-42  |
| 78385001 | 78390000 | 2.25E-58  |
| 78386001 | 78391000 | 4.35E-52  |
| 78387001 | 78392000 | 4.90E-43  |
| 78388001 | 78393000 | 1.85E-61  |
| 78389001 | 78394000 | 7.36E-49  |
| 78446001 | 78451000 | 3.01E-10  |
| 78447001 | 78452000 | 1.27E-13  |
| 79136001 | 79141000 | 5.93E-07  |
| 79137001 | 79142000 | 2.32E-07  |
| 79196001 | 79201000 | 9.10E-32  |
| 79266001 | 79271000 | 4.43E-27  |
| 79267001 | 79272000 | 4.49E-34  |
| 79451001 | 79456000 | 7.97E-16  |
| 79452001 | 79457000 | 7.32E-10  |
| 79486001 | 79491000 | 5.01E-34  |
| 79517001 | 79522000 | 2.76E-11  |
| 79518001 | 79523000 | 4.21E-23  |
| 79519001 | 79524000 | 8.03E-39  |
| 79629001 | 79634000 | 2.36E-23  |
| 79633001 | 79638000 | 5.34E-22  |
| 79817001 | 79822000 | 6.66E-27  |
| 79818001 | 79823000 | 4.39E-21  |
| 79819001 | 79824000 | 3.74E-14  |
| 79849001 | 79854000 | 4.78E-20  |
| 79892001 | 79897000 | 0.003771948 |
| Chromosome | Start   | End     | P-value   |
|------------|---------|---------|-----------|
| chr17      | 79931001 | 79936000 | 1.91E-32  |
| chr17      | 79932001 | 79937000 | 1.66E-31  |
| chr17      | 79934001 | 79939000 | 1.26E-10  |
| chr17      | 79935001 | 79940000 | 1.40E-14  |
| chr17      | 80022001 | 80027000 | 5.16E-30  |
| chr17      | 80023001 | 80028000 | 9.95E-30  |
| chr17      | 80166001 | 80171000 | 5.01E-29  |
| chr17      | 80167001 | 80172000 | 2.01E-29  |
| chr17      | 80168001 | 80173000 | 1.01E-13  |
| chr17      | 80169001 | 80174000 | 1.13E-10  |
| chr17      | 80412001 | 80417000 | 1.57E-18  |
| chr17      | 80473001 | 80478000 | 1.29E-22  |
| chr17      | 80689001 | 80694000 | 1.33E-14  |
| chr17      | 80705001 | 80710000 | 2.28E-16  |
| chr17      | 80706001 | 80711000 | 3.38E-10  |
| chr17      | 81005001 | 81010000 | 3.00E-72  |
| chr18      | 157001   | 162000  | 1.45E-24  |
| chr18      | 544001   | 549000  | 3.02E-06  |
| chr18      | 545001   | 550000  | 1.21E-06  |
| chr18      | 592001   | 597000  | 2.66E-13  |
| chr18      | 593001   | 598000  | 5.50E-27  |
| chr18      | 594001   | 599000  | 4.84E-25  |
| chr18      | 595001   | 600000  | 3.82E-21  |
| chr18      | 596001   | 601000  | 2.25E-20  |
| chr18      | 653001   | 658000  | 3.54E-48  |
| chr18      | 655001   | 660000  | 2.09E-46  |
| chr18      | 656001   | 661000  | 1.88E-72  |
| chr18      | 657001   | 662000  | 5.40E-50  |
| chr18      | 658001   | 663000  | 4.16E-32  |
| chr18      | 1340001  | 1345000 | 3.48E-07  |
| chr18      | 1602001  | 1607000 | 4.32E-05  |
| chr18      | 1736001  | 1741000 | 0.001991597 |
| chr18      | 1866001  | 1871000 | 2.18E-05  |
| chr18      | 1867001  | 1872000 | 8.27E-07  |
| chr18      | 1868001  | 1873000 | 5.78E-07  |
| chr18      | 1869001  | 1874000 | 6.22E-05  |
| chr18      | 2068001  | 2073000 | 0.000407676 |
| chr18      | 2233001  | 2238000 | 1.43E-07  |
| chr18      | 2287001  | 2292000 | 1.08E-14  |
| chr18      | 2288001  | 2293000 | 3.53E-11  |
| chr18      | 2299001  | 2304000 | 1.88E-11  |
| chr18      | 2300001  | 2305000 | 1.07E-07  |
| chr18      | 2301001  | 2306000 | 4.99E-07  |
| chr18      | 2357001  | 2362000 | 0.002912226 |
| chr18      | 2411001  | 2416000 | 0.000158335 |
| chr18      | 2441001  | 2446000 | 3.90E-05  |
| chr18      | 2442001  | 2447000 | 8.78E-14  |
| chr18      | 2443001  | 2448000 | 3.79E-14  |
| Chromosome | Start  | End    | p-value  |
|------------|--------|--------|----------|
| chr18      | 2444001| 2449000| 7.16E-08 |
| chr18      | 2445001| 2450000| 1.02E-08 |
| chr18      | 2651001| 2656000| 1.48E-43 |
| chr18      | 2723001| 2728000| 0.001737085|
| chr18      | 2724001| 2729000| 0.001262588|
| chr18      | 2902001| 2907000| 5.03E-20 |
| chr18      | 2904001| 2909000| 2.53E-18 |
| chr18      | 2905001| 2910000| 1.03E-09 |
| chr18      | 3008001| 3013000| 4.53E-20 |
| chr18      | 3009001| 3014000| 8.05E-27 |
| chr18      | 3010001| 3015000| 5.52E-28 |
| chr18      | 3012001| 3017000| 5.26E-22 |
| chr18      | 3257001| 3262000| 1.18E-28 |
| chr18      | 3258001| 3263000| 1.43E-56 |
| chr18      | 3295001| 3300000| 2.07E-09 |
| chr18      | 3297001| 3302000| 4.61E-10 |
| chr18      | 3444001| 3449000| 1.89E-13 |
| chr18      | 3767001| 3772000| 8.39E-40 |
| chr18      | 3768001| 3773000| 9.55E-34 |
| chr18      | 3769001| 3774000| 6.92E-29 |
| chr18      | 3870001| 3875000| 1.78E-07 |
| chr18      | 3871001| 3876000| 1.90E-07 |
| chr18      | 4273001| 4278000| 1.97E-06 |
| chr18      | 4274001| 4279000| 2.52E-05 |
| chr18      | 4275001| 4280000| 4.40E-05 |
| chr18      | 4276001| 4281000| 1.11E-06 |
| chr18      | 4358001| 4363000| 4.24E-05 |
| chr18      | 4388001| 4393000| 1.09E-09 |
| chr18      | 4400001| 4405000| 0.000279033|
| chr18      | 4401001| 4406000| 0.000179397|
| chr18      | 4455001| 4460000| 1.33E-28 |
| chr18      | 5161001| 5166000| 0.000931294|
| chr18      | 5162001| 5167000| 0.001851022|
| chr18      | 5233001| 5238000| 1.31E-39 |
| chr18      | 5290001| 5295000| 1.62E-15 |
| chr18      | 5291001| 5296000| 1.88E-79 |
| chr18      | 5475001| 5480000| 7.34E-09 |
| chr18      | 5476001| 5481000| 2.57E-09 |
| chr18      | 5540001| 5545000| 1.06E-17 |
| chr18      | 5541001| 5546000| 2.10E-42 |
| chr18      | 5542001| 5547000| 6.84E-45 |
| chr18      | 5543001| 5548000| 1.54E-48 |
| chr18      | 5544001| 5549000| 2.65E-31 |
| chr18      | 5624001| 5629000| 6.38E-33 |
| chr18      | 5625001| 5630000| 8.49E-29 |
| chr18      | 5626001| 5631000| 3.88E-26 |
| chr18      | 5715001| 5720000| 3.51E-07 |
| chr18      | 5799001| 5804000| 3.60E-05 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr18      | 5800001        | 5805000      | 8.44E-06|
| chr18      | 5892001        | 5897000      | 2.89E-28|
| chr18      | 5893001        | 5898000      | 3.32E-45|
| chr18      | 5894001        | 5899000      | 4.29E-38|
| chr18      | 5895001        | 5900000      | 1.08E-53|
| chr18      | 5896001        | 5901000      | 4.09E-20|
| chr18      | 6401001        | 6406000      | 2.37E-12|
| chr18      | 6410001        | 6415000      | 1.40E-33|
| chr18      | 6411001        | 6416000      | 1.82E-40|
| chr18      | 6412001        | 6417000      | 1.45E-35|
| chr18      | 6413001        | 6418000      | 5.52E-33|
| chr18      | 6414001        | 6419000      | 4.34E-37|
| chr18      | 6725001        | 6730000      | 2.37E-27|
| chr18      | 6726001        | 6731000      | 1.98E-38|
| chr18      | 6727001        | 6732000      | 1.18E-32|
| chr18      | 7077001        | 7082000      | 1.17E-16|
| chr18      | 7078001        | 7083000      | 5.55E-10|
| chr18      | 7116001        | 7121000      | 1.21E-15|
| chr18      | 7117001        | 7122000      | 2.93E-21|
| chr18      | 7420001        | 7425000      | 3.68E-09|
| chr18      | 7421001        | 7426000      | 3.55E-11|
| chr18      | 7430001        | 7435000      | 3.43E-07|
| chr18      | 7489001        | 7494000      | 2.27E-05|
| chr18      | 7551001        | 7556000      | 1.51E-08|
| chr18      | 7562001        | 7567000      | 3.19E-29|
| chr18      | 7563001        | 7568000      | 4.55E-34|
| chr18      | 7564001        | 7569000      | 7.83E-16|
| chr18      | 7565001        | 7570000      | 2.95E-28|
| chr18      | 7566001        | 7571000      | 6.99E-25|
| chr18      | 7567001        | 7572000      | 1.54E-24|
| chr18      | 7568001        | 7573000      | 4.65E-32|
| chr18      | 7587001        | 7592000      | 0.002490541|
| chr18      | 8705001        | 8710000      | 1.10E-27|
| chr18      | 8706001        | 8711000      | 4.09E-47|
| chr18      | 8707001        | 8712000      | 3.18E-22|
| chr18      | 9132001        | 9137000      | 3.01E-44|
| chr18      | 9330001        | 9335000      | 4.14E-28|
| chr18      | 9331001        | 9336000      | 1.28E-38|
| chr18      | 9332001        | 9337000      | 4.26E-35|
| chr18      | 9333001        | 9338000      | 5.42E-24|
| chr18      | 9334001        | 9339000      | 2.17E-37|
| chr18      | 9335001        | 9340000      | 5.76E-28|
| chr18      | 9471001        | 9476000      | 4.08E-22|
| chr18      | 9610001        | 9615000      | 4.52E-13|
| chr18      | 9611001        | 9616000      | 3.65E-21|
| chr18      | 9613001        | 9618000      | 1.76E-29|
| chr18      | 9614001        | 9619000      | 1.91E-33|
| chr18      | 9615001        | 9620000      | 1.58E-17|
| Chr | Start  | End   | Value   |
|-----|--------|-------|---------|
| chr18 | 9704001 | 9709000 | 8.77E-44 |
| chr18 | 9705001 | 9710000 | 3.32E-31 |
| chr18 | 9706001 | 9711000 | 4.96E-27 |
| chr18 | 9707001 | 9712000 | 1.92E-12 |
| chr18 | 9910001 | 9915000 | 1.80E-39 |
| chr18 | 10450001 | 10455000 | 3.09E-35 |
| chr18 | 10454001 | 10459000 | 5.77E-28 |
| chr18 | 10522001 | 10527000 | 1.21E-23 |
| chr18 | 10523001 | 10528000 | 1.42E-42 |
| chr18 | 10524001 | 10529000 | 5.05E-42 |
| chr18 | 10525001 | 10530000 | 1.53E-37 |
| chr18 | 10526001 | 10531000 | 2.99E-37 |
| chr18 | 10640001 | 10645000 | 3.45E-09 |
| chr18 | 10641001 | 10646000 | 7.88E-12 |
| chr18 | 10642001 | 10647000 | 5.83E-10 |
| chr18 | 10753001 | 10758000 | 2.94E-06 |
| chr18 | 10771001 | 10776000 | 9.20E-11 |
| chr18 | 10772001 | 10777000 | 1.76E-10 |
| chr18 | 10773001 | 10778000 | 1.23E-11 |
| chr18 | 10780001 | 10785000 | 5.01E-07 |
| chr18 | 10781001 | 10786000 | 1.10E-13 |
| chr18 | 10782001 | 10787000 | 5.66E-15 |
| chr18 | 10783001 | 10788000 | 5.73E-12 |
| chr18 | 10784001 | 10789000 | 1.45E-10 |
| chr18 | 10788001 | 10793000 | 1.62E-06 |
| chr18 | 10793001 | 10798000 | 1.54E-10 |
| chr18 | 10798001 | 10803000 | 2.41E-17 |
| chr18 | 10799001 | 10804000 | 8.99E-22 |
| chr18 | 10800001 | 10805000 | 1.11E-19 |
| chr18 | 10801001 | 10806000 | 3.46E-18 |
| chr18 | 10802001 | 10807000 | 2.97E-20 |
| chr18 | 10805001 | 10810000 | 5.58E-09 |
| chr18 | 10806001 | 10811000 | 3.21E-05 |
| chr18 | 10825001 | 10830000 | 3.06E-05 |
| chr18 | 10826001 | 10831000 | 1.93E-07 |
| chr18 | 10827001 | 10832000 | 1.53E-12 |
| chr18 | 10828001 | 10833000 | 1.01E-11 |
| chr18 | 10829001 | 10834000 | 3.45E-09 |
| chr18 | 10830001 | 10835000 | 4.81E-10 |
| chr18 | 10834001 | 10839000 | 1.97E-11 |
| chr18 | 10835001 | 10840000 | 3.28E-13 |
| chr18 | 10861001 | 10866000 | 7.59E-09 |
| chr18 | 10876001 | 10881000 | 3.31E-11 |
| chr18 | 10877001 | 10882000 | 4.50E-10 |
| chr18 | 10881001 | 10886000 | 4.29E-12 |
| chr18 | 10882001 | 10887000 | 1.27E-11 |
| chr18 | 10883001 | 10888000 | 2.51E-12 |
| chr18 | 10885001 | 10890000 | 3.24E-12 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr18      | 10887001       | 10890000     | 2.67E-11|
| chr18      | 10888001       | 10890000     | 1.74E-11|
| chr18      | 10889001       | 10890000     | 1.11E-11|
| chr18      | 10895001       | 10900000     | 5.21E-19|
| chr18      | 10896001       | 10900000     | 6.32E-16|
| chr18      | 10897001       | 10902000     | 5.82E-16|
| chr18      | 10942001       | 10947000     | 1.04E-08|
| chr18      | 10943001       | 10948000     | 1.86E-09|
| chr18      | 10953001       | 10958000     | 1.03E-06|
| chr18      | 10961001       | 10966000     | 1.65E-08|
| chr18      | 10962001       | 10967000     | 6.77E-08|
| chr18      | 10967001       | 10972000     | 1.94E-09|
| chr18      | 10968001       | 10973000     | 1.56E-11|
| chr18      | 10969001       | 10974000     | 3.62E-16|
| chr18      | 10990001       | 10995000     | 3.13E-16|
| chr18      | 10991001       | 10996000     | 2.86E-16|
| chr18      | 10992001       | 10997000     | 5.51E-14|
| chr18      | 10993001       | 10998000     | 4.18E-11|
| chr18      | 11017001       | 11022000     | 1.71E-12|
| chr18      | 11018001       | 11023000     | 3.03E-21|
| chr18      | 11025001       | 11030000     | 1.04E-16|
| chr18      | 11026001       | 11031000     | 3.78E-18|
| chr18      | 11072001       | 11077000     | 1.17E-11|
| chr18      | 11073001       | 11078000     | 5.15E-12|
| chr18      | 11074001       | 11079000     | 4.08E-15|
| chr18      | 11075001       | 11080000     | 6.29E-11|
| chr18      | 11076001       | 11081000     | 4.04E-13|
| chr18      | 11078001       | 11083000     | 2.98E-19|
| chr18      | 11080001       | 11085000     | 2.81E-13|
| chr18      | 11093001       | 11098000     | 1.09E-08|
| chr18      | 11113001       | 11118000     | 1.35E-08|
| chr18      | 11119001       | 11124000     | 3.19E-08|
| chr18      | 11120001       | 11125000     | 1.75E-09|
| chr18      | 11121001       | 11126000     | 1.17E-09|
| chr18      | 11162001       | 11167000     | 1.49E-10|
| chr18      | 11189001       | 11194000     | 3.45E-14|
| chr18      | 11196001       | 11201000     | 7.94E-08|
| chr18      | 11206001       | 11211000     | 8.04E-10|
| chr18      | 11207001       | 11212000     | 1.92E-11|
| chr18      | 11210001       | 11215000     | 7.91E-14|
| chr18      | 11213001       | 11218000     | 2.53E-11|
| chr18      | 11214001       | 11219000     | 1.49E-10|
| chr18      | 11228001       | 11233000     | 5.60E-10|
| chr18      | 11229001       | 11234000     | 2.77E-06|
| chr18      | 11230001       | 11235000     | 4.48E-15|
| chr18      | 11232001       | 11237000     | 4.87E-15|
| chr18      | 11237001       | 11242000     | 0.000323631|
| chr18      | 11244001       | 11249000     | 7.62E-11|
| Chromosome | Start Position | End Position | Log10(P-Value) |
|------------|----------------|--------------|----------------|
| chr18      | 11245001       | 11250000     | 7.11E-09       |
| chr18      | 11271001       | 11276000     | 1.24E-12       |
| chr18      | 11289001       | 11294000     | 5.01E-15       |
| chr18      | 11290001       | 11295000     | 7.53E-12       |
| chr18      | 11291001       | 11296000     | 1.15E-08       |
| chr18      | 11292001       | 11297000     | 8.26E-10       |
| chr18      | 11293001       | 11298000     | 1.99E-09       |
| chr18      | 11335001       | 11340000     | 0.000516896    |
| chr18      | 11336001       | 11341000     | 5.04E-05       |
| chr18      | 11337001       | 11342000     | 2.30E-11       |
| chr18      | 11338001       | 11343000     | 7.95E-09       |
| chr18      | 11339001       | 11344000     | 1.16E-07       |
| chr18      | 11404001       | 11409000     | 4.07E-07       |
| chr18      | 11405001       | 11410000     | 1.94E-09       |
| chr18      | 11427001       | 11432000     | 1.21E-13       |
| chr18      | 11540001       | 11545000     | 1.28E-08       |
| chr18      | 11546001       | 11551000     | 7.02E-08       |
| chr18      | 11547001       | 11552000     | 3.39E-08       |
| chr18      | 11548001       | 11553000     | 1.41E-07       |
| chr18      | 11549001       | 11554000     | 1.63E-07       |
| chr18      | 11550001       | 11555000     | 7.94E-12       |
| chr18      | 11551001       | 11556000     | 5.61E-12       |
| chr18      | 11552001       | 11557000     | 1.26E-13       |
| chr18      | 11562001       | 11567000     | 5.16E-10       |
| chr18      | 11563001       | 11568000     | 6.13E-10       |
| chr18      | 11564001       | 11569000     | 8.87E-15       |
| chr18      | 11565001       | 11570000     | 2.18E-15       |
| chr18      | 11618001       | 11623000     | 1.30E-05       |
| chr18      | 11621001       | 11626000     | 9.02E-07       |
| chr18      | 11622001       | 11627000     | 1.61E-06       |
| chr18      | 11623001       | 11628000     | 1.72E-08       |
| chr18      | 11624001       | 11629000     | 1.62E-10       |
| chr18      | 11630001       | 11635000     | 5.79E-13       |
| chr18      | 11631001       | 11636000     | 3.04E-15       |
| chr18      | 11632001       | 11637000     | 7.68E-15       |
| chr18      | 11662001       | 11667000     | 1.38E-12       |
| chr18      | 11683001       | 11688000     | 6.02E-08       |
| chr18      | 11684001       | 11689000     | 7.61E-11       |
| chr18      | 11685001       | 11690000     | 8.47E-09       |
| chr18      | 11686001       | 11691000     | 7.57E-41       |
| chr18      | 11687001       | 11692000     | 4.91E-37       |
| chr18      | 11689001       | 11694000     | 1.88E-21       |
| chr18      | 11690001       | 11695000     | 3.51E-10       |
| chr18      | 11719001       | 11724000     | 4.85E-11       |
| chr18      | 11742001       | 11747000     | 1.69E-06       |
| chr18      | 11751001       | 11756000     | 1.24E-08       |
| chr18      | 11778001       | 11783000     | 4.97E-07       |
| chr18      | 11789001       | 11794000     | 1.77E-09       |
| Chromosome | Start | End   | P-value      |
|------------|-------|-------|--------------|
| chr18      | 11981001 | 11986000 | 7.01E-14     |
| chr18      | 11982001 | 11987000 | 1.19E-13     |
| chr18      | 12035001 | 12040000 | 1.59E-07     |
| chr18      | 12098001 | 12103000 | 5.30E-09     |
| chr18      | 12099001 | 12104000 | 4.89E-11     |
| chr18      | 12100001 | 12105000 | 1.49E-11     |
| chr18      | 12101001 | 12106000 | 3.86E-09     |
| chr18      | 12122001 | 12127000 | 8.81E-06     |
| chr18      | 12124001 | 12129000 | 2.02E-11     |
| chr18      | 12125001 | 12130000 | 3.57E-15     |
| chr18      | 12126001 | 12131000 | 4.34E-14     |
| chr18      | 12147001 | 12152000 | 4.74E-07     |
| chr18      | 12148001 | 12153000 | 6.23E-09     |
| chr18      | 12149001 | 12154000 | 2.16E-07     |
| chr18      | 12150001 | 12155000 | 3.50E-10     |
| chr18      | 12151001 | 12156000 | 7.49E-09     |
| chr18      | 12152001 | 12157000 | 6.20E-07     |
| chr18      | 12160001 | 12165000 | 0.002012427  |
| chr18      | 12184001 | 12189000 | 3.05E-17     |
| chr18      | 12185001 | 12190000 | 3.92E-17     |
| chr18      | 12186001 | 12191000 | 4.67E-14     |
| chr18      | 12187001 | 12192000 | 8.60E-11     |
| chr18      | 12188001 | 12193000 | 5.71E-10     |
| chr18      | 12189001 | 12194000 | 4.72E-11     |
| chr18      | 12195001 | 12200000 | 4.01E-08     |
| chr18      | 12196001 | 12201000 | 6.60E-08     |
| chr18      | 12197001 | 12202000 | 5.19E-07     |
| chr18      | 12206001 | 12211000 | 8.25E-08     |
| chr18      | 12207001 | 12212000 | 4.02E-09     |
| chr18      | 12237001 | 12242000 | 2.60E-16     |
| chr18      | 12268001 | 12273000 | 2.20E-11     |
| chr18      | 12280001 | 12285000 | 7.88E-05     |
| chr18      | 12308001 | 12313000 | 4.64E-20     |
| chr18      | 12373001 | 12378000 | 4.22E-16     |
| chr18      | 12374001 | 12379000 | 1.02E-16     |
| chr18      | 12375001 | 12380000 | 5.59E-14     |
| chr18      | 12376001 | 12381000 | 9.33E-21     |
| chr18      | 12377001 | 12382000 | 2.10E-21     |
| chr18      | 12408001 | 12413000 | 7.92E-12     |
| chr18      | 12653001 | 12658000 | 1.41E-29     |
| chr18      | 12654001 | 12659000 | 6.93E-29     |
| chr18      | 12655001 | 12660000 | 2.01E-39     |
| chr18      | 12656001 | 12661000 | 1.32E-22     |
| chr18      | 12657001 | 12662000 | 7.88E-08     |
| chr18      | 12883001 | 12888000 | 1.37E-15     |
| chr18      | 12884001 | 12889000 | 4.48E-33     |
| chr18      | 12943001 | 12948000 | 8.24E-25     |
| chr18      | 12944001 | 12949000 | 1.06E-37     |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chr18      | 12945001       | 12950000     | 2.60E-41|
| chr18      | 12946001       | 12951000     | 1.99E-66|
| chr18      | 12947001       | 12952000     | 1.57E-28|
| chr18      | 12948001       | 12953000     | 7.76E-23|
| chr18      | 12986001       | 12991000     | 3.32E-09|
| chr18      | 12987001       | 12992000     | 6.53E-15|
| chr18      | 13242001       | 13247000     | 1.65E-20|
| chr18      | 13243001       | 13248000     | 7.77E-15|
| chr18      | 13251001       | 13256000     | 1.78E-09|
| chr18      | 13252001       | 13257000     | 5.91E-11|
| chr18      | 13253001       | 13258000     | 1.12E-09|
| chr18      | 13254001       | 13259000     | 1.28E-14|
| chr18      | 13255001       | 13260000     | 1.41E-14|
| chr18      | 13277001       | 13282000     | 8.94E-31|
| chr18      | 13278001       | 13283000     | 1.82E-19|
| chr18      | 13328001       | 13333000     | 1.69E-08|
| chr18      | 13330001       | 13335000     | 1.55E-11|
| chr18      | 13332001       | 13337000     | 2.25E-05|
| chr18      | 13338001       | 13343000     | 0.000421147|
| chr18      | 13339001       | 13344000     | 0.000276891|
| chr18      | 13340001       | 13345000     | 6.19E-08|
| chr18      | 13341001       | 13346000     | 1.94E-07|
| chr18      | 13342001       | 13347000     | 1.46E-09|
| chr18      | 13362001       | 13367000     | 3.40E-20|
| chr18      | 13455001       | 13460000     | 9.82E-08|
| chr18      | 13456001       | 13461000     | 4.28E-11|
| chr18      | 13511001       | 13516000     | 7.74E-13|
| chr18      | 13519001       | 13524000     | 3.39E-13|
| chr18      | 13533001       | 13538000     | 2.82E-09|
| chr18      | 13559001       | 13564000     | 6.27E-11|
| chr18      | 13585001       | 13590000     | 4.86E-11|
| chr18      | 13628001       | 13633000     | 3.36E-10|
| chr18      | 13629001       | 13634000     | 4.46E-14|
| chr18      | 13630001       | 13635000     | 2.04E-15|
| chr18      | 13631001       | 13636000     | 5.10E-14|
| chr18      | 13722001       | 13727000     | 2.76E-31|
| chr18      | 13723001       | 13728000     | 1.60E-38|
| chr18      | 13724001       | 13729000     | 4.94E-46|
| chr18      | 13726001       | 13731000     | 1.17E-33|
| chr18      | 13778001       | 13783000     | 1.29E-06|
| chr18      | 13779001       | 13784000     | 6.24E-07|
| chr18      | 13811001       | 13816000     | 0.000168139|
| chr18      | 13849001       | 13854000     | 4.44E-10|
| chr18      | 13851001       | 13856000     | 3.46E-05|
| chr18      | 13852001       | 13857000     | 6.63E-06|
| chr18      | 13891001       | 13896000     | 3.25E-12|
| chr18      | 13923001       | 13928000     | 9.60E-11|
| chr18      | 13924001       | 13929000     | 7.59E-14|
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr18      | 13925001 | 13930000 | 5.69E-10 |
| chr18      | 13926001 | 13931000 | 2.72E-07 |
| chr18      | 13927001 | 13932000 | 4.21E-09 |
| chr18      | 13935001 | 13940000 | 3.65E-12 |
| chr18      | 13943001 | 13948000 | 1.45E-08 |
| chr18      | 13959001 | 13964000 | 2.67E-13 |
| chr18      | 13960001 | 13965000 | 3.35E-13 |
| chr18      | 13961001 | 13966000 | 9.26E-08 |
| chr18      | 13962001 | 13967000 | 9.80E-09 |
| chr18      | 13982001 | 13987000 | 5.70E-13 |
| chr18      | 13983001 | 13988000 | 6.10E-07 |
| chr18      | 13984001 | 13989000 | 5.27E-10 |
| chr18      | 14033001 | 14038000 | 5.37E-11 |
| chr18      | 14034001 | 14039000 | 8.89E-18 |
| chr18      | 14035001 | 14040000 | 2.14E-13 |
| chr18      | 14036001 | 14041000 | 6.50E-12 |
| chr18      | 14037001 | 14042000 | 5.35E-11 |
| chr18      | 14128001 | 14133000 | 2.75E-11 |
| chr18      | 14129001 | 14134000 | 5.72E-26 |
| chr18      | 14130001 | 14135000 | 6.55E-29 |
| chr18      | 14131001 | 14136000 | 1.02E-30 |
| chr18      | 14132001 | 14137000 | 2.25E-28 |
| chr18      | 14180001 | 14185000 | 0.00015807 |
| chr18      | 14181001 | 14186000 | 0.001882544 |
| chr18      | 14182001 | 14187000 | 0.001052147 |
| chr18      | 14183001 | 14188000 | 0.00663691 |
| chr18      | 14209001 | 14214000 | 1.35E-06 |
| chr18      | 14210001 | 14215000 | 8.22E-06 |
| chr18      | 14211001 | 14216000 | 5.08E-05 |
| chr18      | 14243001 | 14248000 | 2.49E-05 |
| chr18      | 14261001 | 14266000 | 1.38E-08 |
| chr18      | 14262001 | 14267000 | 8.61E-11 |
| chr18      | 14263001 | 14268000 | 3.71E-07 |
| chr18      | 14264001 | 14269000 | 4.65E-10 |
| chr18      | 14265001 | 14270000 | 5.69E-07 |
| chr18      | 14266001 | 14271000 | 0.000295111 |
| chr18      | 14289001 | 14294000 | 8.36E-11 |
| chr18      | 14290001 | 14295000 | 1.30E-08 |
| chr18      | 14291001 | 14296000 | 4.69E-09 |
| chr18      | 14330001 | 14335000 | 6.44E-07 |
| chr18      | 14331001 | 14336000 | 1.51E-08 |
| chr18      | 14341001 | 14346000 | 1.27E-05 |
| chr18      | 14408001 | 14413000 | 8.43E-09 |
| chr18      | 14409001 | 14414000 | 7.55E-11 |
| chr18      | 14410001 | 14415000 | 1.06E-08 |
| chr18      | 14426001 | 14431000 | 6.91E-21 |
| chr18      | 14427001 | 14432000 | 1.21E-29 |
| chr18      | 14429001 | 14434000 | 4.48E-24 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr18      | 14430001       | 14435000     | 2.37E-38|
| chr18      | 14431001       | 14436000     | 1.92E-34|
| chr18      | 14437001       | 14442000     | 2.30E-10|
| chr18      | 14439001       | 14444000     | 2.39E-08|
| chr18      | 14446001       | 14451000     | 7.47E-15|
| chr18      | 14449001       | 14454000     | 2.58E-08|
| chr18      | 14450001       | 14455000     | 2.69E-10|
| chr18      | 14453001       | 14458000     | 2.34E-09|
| chr18      | 14454001       | 14459000     | 5.83E-19|
| chr18      | 14455001       | 14460000     | 4.71E-16|
| chr18      | 14456001       | 14461000     | 1.70E-05|
| chr18      | 14505001       | 14510000     | 6.76E-06|
| chr18      | 14520001       | 14525000     | 0.017379506|
| chr18      | 14531001       | 14536000     | 0.00143143|
| chr18      | 14671001       | 14676000     | 7.04E-07|
| chr18      | 14672001       | 14677000     | 0.000123296|
| chr18      | 14720001       | 14725000     | 0.000179584|
| chr18      | 14721001       | 14726000     | 6.51E-08|
| chr18      | 14722001       | 14727000     | 2.44E-06|
| chr18      | 14723001       | 14728000     | 3.19E-05|
| chr18      | 14757001       | 14762000     | 0.00053562|
| chr18      | 14758001       | 14763000     | 0.001399467|
| chr18      | 14796001       | 14801000     | 3.01E-11|
| chr18      | 14797001       | 14802000     | 3.31E-10|
| chr18      | 14952001       | 14957000     | 3.23E-05|
| chr18      | 14953001       | 14958000     | 0.000263019|
| chr18      | 15035001       | 15040000     | 0.000131425|
| chr18      | 15289001       | 15294000     | 5.38E-05|
| chr18      | 15290001       | 15295000     | 1.60E-05|
| chr18      | 15340001       | 15345000     | 2.20E-09|
| chr18      | 15341001       | 15346000     | 8.18E-13|
| chr18      | 15342001       | 15347000     | 4.90E-12|
| chr18      | 15343001       | 15348000     | 9.17E-12|
| chr18      | 15344001       | 15349000     | 1.69E-09|
| chr18      | 18818001       | 18823000     | 3.99E-19|
| chr18      | 18819001       | 18824000     | 4.92E-23|
| chr18      | 18820001       | 18825000     | 8.21E-25|
| chr18      | 18821001       | 18826000     | 6.84E-60|
| chr18      | 18822001       | 18827000     | 1.71E-74|
| chr18      | 18941001       | 18946000     | 0.002234936|
| chr18      | 18943001       | 18948000     | 0.004170338|
| chr18      | 19176001       | 19181000     | 9.16E-29|
| chr18      | 19178001       | 19183000     | 2.19E-23|
| chr18      | 19179001       | 19184000     | 6.03E-38|
| chr18      | 19180001       | 19185000     | 6.97E-56|
| chr18      | 19280001       | 19285000     | 7.80E-61|
| chr18      | 19281001       | 19286000     | 5.99E-68|
| chr18      | 19282001       | 19287000     | 1.92E-24|
| Chr | Start | End   | p-value   |
|-----|-------|-------|-----------|
| chr18 | 19650001 | 19655000 | 4.50E-06  |
| chr18 | 19651001 | 19656000 | 4.28E-10  |
| chr18 | 19652001 | 19657000 | 6.19E-12  |
| chr18 | 19654001 | 19659000 | 3.84E-05  |
| chr18 | 19669001 | 19674000 | 2.14E-08  |
| chr18 | 19670001 | 19675000 | 2.79E-16  |
| chr18 | 19671001 | 19676000 | 1.09E-10  |
| chr18 | 19673001 | 19678000 | 7.55E-13  |
| chr18 | 19703001 | 19708000 | 4.07E-11  |
| chr18 | 19704001 | 19709000 | 8.00E-08  |
| chr18 | 19705001 | 19710000 | 1.75E-08  |
| chr18 | 19706001 | 19711000 | 1.66E-07  |
| chr18 | 19707001 | 19712000 | 1.51E-08  |
| chr18 | 19709001 | 19714000 | 1.29E-07  |
| chr18 | 19783001 | 19788000 | 3.73E-07  |
| chr18 | 19788001 | 19793000 | 2.83E-09  |
| chr18 | 19789001 | 19794000 | 5.42E-14  |
| chr18 | 19790001 | 19795000 | 9.78E-15  |
| chr18 | 19791001 | 19796000 | 1.74E-18  |
| chr18 | 19792001 | 19797000 | 3.31E-12  |
| chr18 | 19793001 | 19798000 | 8.55E-10  |
| chr18 | 19794001 | 19799000 | 1.07E-12  |
| chr18 | 19864001 | 19869000 | 5.08E-11  |
| chr18 | 19865001 | 19870000 | 2.48E-09  |
| chr18 | 19866001 | 19871000 | 1.11E-08  |
| chr18 | 19867001 | 19872000 | 8.01E-10  |
| chr18 | 19939001 | 19944000 | 2.44E-05  |
| chr18 | 19941001 | 19946000 | 0.000168139 |
| chr18 | 19985001 | 19990000 | 8.78E-09  |
| chr18 | 19986001 | 19991000 | 2.23E-08  |
| chr18 | 19992001 | 19997000 | 3.00E-07  |
| chr18 | 20008001 | 20013000 | 1.05E-12  |
| chr18 | 20010001 | 20015000 | 1.96E-11  |
| chr18 | 20011001 | 20016000 | 1.98E-09  |
| chr18 | 20022001 | 20027000 | 0.000920703 |
| chr18 | 20062001 | 20067000 | 3.79E-06  |
| chr18 | 20063001 | 20068000 | 1.20E-06  |
| chr18 | 20087001 | 20092000 | 0.000316627 |
| chr18 | 20088001 | 20093000 | 0.004508074 |
| chr18 | 20112001 | 20117000 | 3.70E-13  |
| chr18 | 20113001 | 20118000 | 1.45E-11  |
| chr18 | 20119001 | 20124000 | 1.31E-15  |
| chr18 | 20120001 | 20125000 | 2.34E-10  |
| chr18 | 20121001 | 20126000 | 8.95E-12  |
| chr18 | 20142001 | 20147000 | 4.24E-06  |
| chr18 | 20160001 | 20165000 | 8.92E-11  |
| chr18 | 20162001 | 20167000 | 2.09E-05  |
| chr18 | 20169001 | 20174000 | 1.13E-06  |
| Chromosome | Start | End   | p-value     |
|------------|-------|-------|-------------|
| chr18      | 23521001 | 23526000 | 1.35E-06    |
| chr18      | 23546001 | 23551000 | 0.001399655 |
| chr18      | 23665001 | 23670000 | 4.47E-10    |
| chr18      | 23666001 | 23671000 | 6.87E-58    |
| chr18      | 23667001 | 23672000 | 8.71E-50    |
| chr18      | 23668001 | 23673000 | 2.44E-34    |
| chr18      | 23669001 | 23674000 | 1.82E-42    |
| chr18      | 23670001 | 23675000 | 6.91E-46    |
| chr18      | 23671001 | 23676000 | 1.95E-25    |
| chr18      | 23704001 | 23709000 | 0.000221755 |
| chr18      | 23705001 | 23710000 | 6.19E-05    |
| chr18      | 23736001 | 23741000 | 1.11E-06    |
| chr18      | 23737001 | 23742000 | 4.78E-06    |
| chr18      | 24150001 | 24155000 | 2.60E-05    |
| chr18      | 24151001 | 24156000 | 5.56E-18    |
| chr18      | 24152001 | 24157000 | 1.67E-16    |
| chr18      | 24155001 | 24160000 | 9.02E-16    |
| chr18      | 24156001 | 24161000 | 8.92E-10    |
| chr18      | 24187001 | 24192000 | 8.23E-08    |
| chr18      | 24193001 | 24198000 | 4.63E-05    |
| chr18      | 24258001 | 24263000 | 0.003148015 |
| chr18      | 24339001 | 24440000 | 1.65E-25    |
| chr18      | 24440001 | 24450000 | 2.97E-18    |
| chr18      | 24760001 | 24765000 | 3.68E-29    |
| chr18      | 24761001 | 24766000 | 3.11E-17    |
| chr18      | 24762001 | 24767000 | 4.97E-17    |
| chr18      | 24763001 | 24768000 | 2.91E-18    |
| chr18      | 24764001 | 24769000 | 4.72E-35    |
| chr18      | 24765001 | 24770000 | 1.32E-27    |
| chr18      | 24945001 | 24950000 | 0.000925761 |
| chr18      | 24946001 | 24951000 | 0.00115785  |
| chr18      | 24996001 | 25001000 | 1.66E-05    |
| chr18      | 25120001 | 25125000 | 7.20E-06    |
| chr18      | 25274001 | 25279000 | 0.000127825 |
| chr18      | 25338001 | 25393000 | 0.000242976 |
| chr18      | 25530001 | 25535000 | 1.36E-05    |
| chr18      | 25532001 | 25537000 | 2.11E-05    |
| chr18      | 25536001 | 25541000 | 8.79E-07    |
| chr18      | 25537001 | 25542000 | 9.91E-07    |
| chr18      | 25630001 | 25635000 | 7.36E-08    |
| chr18      | 25631001 | 25636000 | 1.46E-08    |
| chr18      | 25632001 | 25637000 | 6.68E-10    |
| chr18      | 25633001 | 25638000 | 4.58E-07    |
| chr18      | 25755001 | 25760000 | 2.71E-56    |
| chr18      | 25756001 | 25761000 | 1.65E-71    |
| chr18      | 25757001 | 25762000 | 9.59E-84    |
| chr18      | 25758001 | 25763000 | 3.27E-51    |
| chr18      | 25799001 | 25804000 | 0.001415141 |
| Chr  | Start  | End    | P-value          |
|------|--------|--------|------------------|
| chr18| 25851001 | 25856000 | 0.00148151       |
| chr18| 25935001 | 25940000 | 4.38E-06         |
| chr18| 25938001 | 25943000 | 7.95E-07         |
| chr18| 25944001 | 25949000 | 0.000660495      |
| chr18| 25964001 | 25969000 | 1.06E-05         |
| chr18| 25966001 | 25971000 | 5.73E-06         |
| chr18| 25984001 | 25989000 | 0.003513147      |
| chr18| 26008001 | 26013000 | 2.61E-09         |
| chr18| 26009001 | 26014000 | 1.36E-08         |
| chr18| 26010001 | 26015000 | 5.50E-10         |
| chr18| 26011001 | 26016000 | 6.81E-07         |
| chr18| 26012001 | 26017000 | 1.52E-08         |
| chr18| 26153001 | 26158000 | 2.00E-05         |
| chr18| 26259001 | 26264000 | 8.48E-05         |
| chr18| 26265001 | 26270000 | 0.001029521      |
| chr18| 26279001 | 26284000 | 1.79E-05         |
| chr18| 26280001 | 26285000 | 4.53E-05         |
| chr18| 26281001 | 26286000 | 1.90E-05         |
| chr18| 26311001 | 26316000 | 0.000581397      |
| chr18| 26473001 | 26478000 | 0.000595972      |
| chr18| 26474001 | 26479000 | 0.000491463      |
| chr18| 26475001 | 26480000 | 3.08E-05         |
| chr18| 26487001 | 26492000 | 5.35E-08         |
| chr18| 26494001 | 26499000 | 1.01E-08         |
| chr18| 26496001 | 26501000 | 2.03E-08         |
| chr18| 26497001 | 26502000 | 2.21E-08         |
| chr18| 26498001 | 26503000 | 1.28E-06         |
| chr18| 26677001 | 26682000 | 0.004463895      |
| chr18| 26678001 | 26683000 | 0.015023322      |
| chr18| 26679001 | 26684000 | 0.013342307      |
| chr18| 26959001 | 26964000 | 0.000398035      |
| chr18| 26962001 | 26967000 | 8.91E-05         |
| chr18| 27048001 | 27053000 | 0.000163805      |
| chr18| 27126001 | 27131000 | 1.14E-05         |
| chr18| 27129001 | 27134000 | 5.95E-07         |
| chr18| 27232001 | 27237000 | 0.00102221       |
| chr18| 27257001 | 27262000 | 1.59E-05         |
| chr18| 27258001 | 27263000 | 6.74E-06         |
| chr18| 27261001 | 27266000 | 0.000142991      |
| chr18| 27286001 | 27291000 | 0.000377829      |
| chr18| 27287001 | 27292000 | 0.00010906       |
| chr18| 27370001 | 27375000 | 7.28E-07         |
| chr18| 27371001 | 27376000 | 5.72E-06         |
| chr18| 27575001 | 27580000 | 0.000169091      |
| chr18| 27576001 | 27581000 | 3.33E-05         |
| chr18| 27577001 | 27582000 | 3.33E-05         |
| chr18| 27607001 | 27612000 | 2.64E-07         |
| Chromosome | Start Position | End Position | P-value          |
|------------|----------------|--------------|-----------------|
| chr18      | 27715001       | 27720001     | 0.000611423     |
| chr18      | 27880001       | 27885000     | 0.000231952     |
| chr18      | 27881001       | 27886000     | 0.000125081     |
| chr18      | 27950001       | 27955000     | 0.00027455      |
| chr18      | 27958001       | 27963000     | 0.002078438     |
| chr18      | 27961001       | 27966000     | 1.21E-07        |
| chr18      | 27966001       | 27971000     | 0.00258396      |
| chr18      | 27981001       | 27986000     | 2.18E-05        |
| chr18      | 27982001       | 27987000     | 2.90E-05        |
| chr18      | 28002001       | 28007000     | 8.53E-05        |
| chr18      | 28070001       | 28075000     | 9.78E-06        |
| chr18      | 28071001       | 28076000     | 2.17E-05        |
| chr18      | 28088001       | 28093000     | 4.73E-07        |
| chr18      | 28089001       | 28094000     | 6.76E-08        |
| chr18      | 28090001       | 28095000     | 1.01E-07        |
| chr18      | 28108001       | 28113000     | 5.69E-06        |
| chr18      | 28109001       | 28114000     | 2.44E-08        |
| chr18      | 28110001       | 28115000     | 2.21E-08        |
| chr18      | 28111001       | 28116000     | 2.58E-09        |
| chr18      | 28112001       | 28117000     | 4.50E-09        |
| chr18      | 28179001       | 28184000     | 0.00293114      |
| chr18      | 28180001       | 28185000     | 0.000464554     |
| chr18      | 28181001       | 28186000     | 0.00162206      |
| chr18      | 28182001       | 28187000     | 0.001581963     |
| chr18      | 28216001       | 28221000     | 3.84E-07        |
| chr18      | 28218001       | 28223000     | 0.00148818      |
| chr18      | 28224001       | 28229000     | 0.000348501     |
| chr18      | 28225001       | 28230000     | 0.000176788     |
| chr18      | 28310001       | 28315000     | 1.05E-07        |
| chr18      | 28311001       | 28316000     | 3.40E-06        |
| chr18      | 28320001       | 28325000     | 1.87E-08        |
| chr18      | 28321001       | 28326000     | 9.56E-07        |
| chr18      | 28322001       | 28327000     | 5.42E-06        |
| chr18      | 28420001       | 28425000     | 0.000234063     |
| chr18      | 28422001       | 28427000     | 1.83E-08        |
| chr18      | 28423001       | 28428000     | 1.66E-08        |
| chr18      | 28488001       | 28493000     | 3.02E-08        |
| chr18      | 28489001       | 28494000     | 6.82E-08        |
| chr18      | 28491001       | 28496000     | 4.66E-08        |
| chr18      | 28519001       | 28524000     | 0.000313598     |
| chr18      | 28520001       | 28525000     | 0.000281242     |
| chr18      | 28555001       | 28560000     | 0.001839227     |
| chr18      | 28622001       | 28627000     | 4.96E-16        |
| chr18      | 28630001       | 28635000     | 1.41E-08        |
| chr18      | 28631001       | 28636000     | 3.04E-06        |
| chr18      | 28634001       | 28639000     | 0.00186361      |
| chr18      | 28656001       | 28661000     | 1.58E-08        |
| chr18      | 28657001       | 28662000     | 1.66E-10        |
| chromosome | start | end   | p-value  |
|------------|-------|-------|----------|
| chr18      | 28658001 | 28663000 | 1.96E-08 |
| chr18      | 28659001 | 28664000 | 3.12E-11 |
| chr18      | 28672001 | 28677000 | 5.69E-05 |
| chr18      | 28673001 | 28678000 | 3.45E-13 |
| chr18      | 28674001 | 28679000 | 1.22E-12 |
| chr18      | 28675001 | 28680000 | 7.75E-11 |
| chr18      | 28677001 | 28682000 | 3.63E-50 |
| chr18      | 28680001 | 28685000 | 1.48E-19 |
| chr18      | 28681001 | 28686000 | 2.11E-20 |
| chr18      | 28682001 | 28687000 | 1.61E-17 |
| chr18      | 28685001 | 28690000 | 2.25E-08 |
| chr18      | 28692001 | 28697000 | 8.14E-08 |
| chr18      | 28693001 | 28698000 | 4.01E-06 |
| chr18      | 28694001 | 28699000 | 7.14E-09 |
| chr18      | 28722001 | 28727000 | 1.73E-06 |
| chr18      | 28738001 | 28743000 | 3.94E-09 |
| chr18      | 28753001 | 28758000 | 2.53E-05 |
| chr18      | 28778001 | 28783000 | 0.00038602 |
| chr18      | 28779001 | 28784000 | 0.002924957 |
| chr18      | 28792001 | 28797000 | 9.29E-05 |
| chr18      | 28809001 | 28814000 | 8.14E-06 |
| chr18      | 28967001 | 28972000 | 9.41E-10 |
| chr18      | 28968001 | 28973000 | 3.92E-10 |
| chr18      | 28969001 | 28974000 | 2.06E-05 |
| chr18      | 28996001 | 29001000 | 3.89E-11 |
| chr18      | 28997001 | 29002000 | 8.70E-09 |
| chr18      | 28998001 | 29003000 | 8.29E-09 |
| chr18      | 28999001 | 29004000 | 3.45E-10 |
| chr18      | 29013001 | 29018000 | 3.90E-06 |
| chr18      | 29014001 | 29019000 | 4.26E-05 |
| chr18      | 29015001 | 29020000 | 6.76E-06 |
| chr18      | 29038001 | 29043000 | 5.84E-09 |
| chr18      | 29039001 | 29044000 | 1.70E-07 |
| chr18      | 29040001 | 29045000 | 2.25E-08 |
| chr18      | 29041001 | 29046000 | 3.09E-08 |
| chr18      | 29042001 | 29047000 | 9.92E-08 |
| chr18      | 29045001 | 29050000 | 7.34E-06 |
| chr18      | 29046001 | 29051000 | 8.41E-06 |
| chr18      | 29047001 | 29052000 | 3.13E-06 |
| chr18      | 29048001 | 29053000 | 1.07E-05 |
| chr18      | 29049001 | 29054000 | 4.47E-07 |
| chr18      | 29073001 | 29078000 | 3.95E-25 |
| chr18      | 29074001 | 29079000 | 1.13E-36 |
| chr18      | 29075001 | 29080000 | 2.60E-34 |
| chr18      | 29076001 | 29081000 | 3.79E-40 |
| chr18      | 29077001 | 29082000 | 1.21E-34 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr18      | 29260001       | 29265000     | 4.75E-62 |
| chr18      | 29261001       | 29266000     | 2.01E-89 |
| chr18      | 29262001       | 29267000     | 5.49E-75 |
| chr18      | 29263001       | 29268000     | 1.25E-61 |
| chr18      | 29265001       | 29270000     | 3.11E-18 |
| chr18      | 29599001       | 29604000     | 2.56E-08 |
| chr18      | 29667001       | 29672000     | 1.10E-19 |
| chr18      | 29668001       | 29673000     | 1.84E-36 |
| chr18      | 30350001       | 30355000     | 8.36E-13 |
| chr18      | 30351001       | 30356000     | 4.35E-11 |
| chr18      | 31737001       | 31742000     | 9.88E-23 |
| chr18      | 31739001       | 31744000     | 3.63E-22 |
| chr18      | 31781001       | 31786000     | 0.004736534 |
| chr18      | 31782001       | 31787000     | 0.003344807 |
| chr18      | 31783001       | 31788000     | 0.016569939 |
| chr18      | 31798001       | 31803000     | 5.41E-54 |
| chr18      | 31799001       | 31804000     | 3.05E-52 |
| chr18      | 31856001       | 31861000     | 4.58E-05 |
| chr18      | 31857001       | 31862000     | 6.78E-06 |
| chr18      | 32069001       | 32074000     | 2.11E-57 |
| chr18      | 32070001       | 32075000     | 5.47E-32 |
| chr18      | 32285001       | 32290000     | 2.10E-08 |
| chr18      | 32286001       | 32291000     | 2.91E-10 |
| chr18      | 32553001       | 32558000     | 1.19E-22 |
| chr18      | 32554001       | 32559000     | 1.63E-19 |
| chr18      | 32621001       | 32626000     | 5.76E-33 |
| chr18      | 32816001       | 32821000     | 1.42E-19 |
| chr18      | 32870001       | 32875000     | 2.02E-14 |
| chr18      | 32952001       | 32957000     | 1.19E-12 |
| chr18      | 33157001       | 33162000     | 4.68E-34 |
| chr18      | 33161001       | 33166000     | 1.22E-23 |
| chr18      | 33530001       | 33535000     | 1.40E-24 |
| chr18      | 33551001       | 33556000     | 9.78E-28 |
| chr18      | 33552001       | 33557000     | 4.27E-37 |
| chr18      | 33645001       | 33650000     | 6.34E-18 |
| chr18      | 33646001       | 33651000     | 1.13E-29 |
| chr18      | 33647001       | 33652000     | 7.81E-47 |
| chr18      | 33767001       | 33772000     | 1.65E-06 |
| chr18      | 34404001       | 34409000     | 5.80E-41 |
| chr18      | 34405001       | 34410000     | 2.31E-50 |
| chr18      | 34406001       | 34411000     | 5.03E-81 |
| chr18      | 34407001       | 34412000     | 8.55E-68 |
| chr18      | 34408001       | 34413000     | 1.24E-86 |
| chr18      | 34409001       | 34414000     | 2.42E-53 |
| chr18      | 34612001       | 34617000     | 0.003072613 |
| chr18      | 36157001       | 36162000     | 1.21E-13 |
| chr18      | 36158001       | 36163000     | 2.97E-13 |
| Chromosome | Start | End   | P-Value   |
|------------|-------|-------|-----------|
| chr18      | 36159001 | 36164000 | 3.13E-08  |
| chr18      | 36160001 | 36165000 | 1.80E-11  |
| chr18      | 36161001 | 36166000 | 3.38E-12  |
| chr18      | 36342001 | 36347000 | 7.53E-05  |
| chr18      | 36380001 | 36385000 | 6.99E-05  |
| chr18      | 37418001 | 37423000 | 1.05E-37  |
| chr18      | 37612001 | 37617000 | 9.11E-05  |
| chr18      | 37823001 | 37828000 | 1.52E-11  |
| chr18      | 37825001 | 37830000 | 9.25E-11  |
| chr18      | 37826001 | 37831000 | 4.88E-11  |
| chr18      | 39531001 | 39536000 | 4.97E-18  |
| chr18      | 39532001 | 39537000 | 1.91E-21  |
| chr18      | 39533001 | 39538000 | 1.99E-22  |
| chr18      | 39534001 | 39539000 | 1.24E-19  |
| chr18      | 39535001 | 39540000 | 2.87E-41  |
| chr18      | 40691001 | 40696000 | 1.29E-08  |
| chr18      | 40692001 | 40697000 | 5.27E-09  |
| chr18      | 43353001 | 43358000 | 2.19E-05  |
| chr18      | 43354001 | 43359000 | 2.20E-05  |
| chr18      | 43355001 | 43360000 | 8.13E-11  |
| chr18      | 43581001 | 43586000 | 9.70E-07  |
| chr18      | 43582001 | 43587000 | 7.95E-15  |
| chr18      | 43753001 | 43758000 | 1.39E-13  |
| chr18      | 43754001 | 43759000 | 2.79E-14  |
| chr18      | 43914001 | 43919000 | 2.30E-20  |
| chr18      | 44571001 | 44576000 | 1.07E-12  |
| chr18      | 44588001 | 44593000 | 2.28E-06  |
| chr18      | 44589001 | 44594000 | 1.85E-07  |
| chr18      | 44590001 | 44595000 | 0.01487365 |
| chr18      | 44591001 | 44596000 | 3.91E-08  |
| chr18      | 44592001 | 44597000 | 1.30E-08  |
| chr18      | 44672001 | 44677000 | 2.55E-33  |
| chr18      | 44673001 | 44678000 | 6.00E-23  |
| chr18      | 44674001 | 44679000 | 6.03E-21  |
| chr18      | 44675001 | 44680000 | 6.70E-17  |
| chr18      | 44676001 | 44681000 | 2.63E-14  |
| chr18      | 44677001 | 44682000 | 1.10E-09  |
| chr18      | 45309001 | 45314000 | 0.00175647 |
| chr18      | 45457001 | 45462000 | 1.20E-34  |
| chr18      | 45684001 | 45689000 | 4.14E-27  |
| chr18      | 45685001 | 45690000 | 7.92E-27  |
| chr18      | 45686001 | 45691000 | 3.29E-09  |
| chr18      | 46424001 | 46429000 | 2.76E-06  |
| chr18      | 46498001 | 46503000 | 1.73E-07  |
| chr18      | 46499001 | 46504000 | 4.06E-41  |
| chr18      | 46501001 | 46506000 | 0.00908999 |
| chr18      | 46690001 | 46695000 | 0.000340215 |
| Chromosome | Start (bp) | End (bp) | P-value |
|------------|-----------|----------|---------|
| chr18      | 46982001  | 46987000 | 4.63E-23|
| chr18      | 46983001  | 46988000 | 5.83E-21|
| chr18      | 46984001  | 46989000 | 3.59E-18|
| chr18      | 46985001  | 46990000 | 1.04E-14|
| chr18      | 47018001  | 47023000 | 1.70E-19|
| chr18      | 47083001  | 47088000 | 8.91E-05|
| chr18      | 47087001  | 47092000 | 3.40E-15|
| chr18      | 47335001  | 47340000 | 9.05E-51|
| chr18      | 47336001  | 47341000 | 1.24E-81|
| chr18      | 47337001  | 47342000 | 2.52E-64|
| chr18      | 47338001  | 47343000 | 8.64E-63|
| chr18      | 47339001  | 47344000 | 2.69E-53|
| chr18      | 47340001  | 47345000 | 3.28E-23|
| chr18      | 47715001  | 47720000 | 2.89E-07|
| chr18      | 47716001  | 47721000 | 1.88E-11|
| chr18      | 47789001  | 47794000 | 8.99E-08|
| chr18      | 47820001  | 47825000 | 5.54E-22|
| chr18      | 48082001  | 48087000 | 1.34E-12|
| chr18      | 48401001  | 48406000 | 5.14E-37|
| chr18      | 48402001  | 48407000 | 2.69E-36|
| chr18      | 48403001  | 48408000 | 8.70E-49|
| chr18      | 48404001  | 48409000 | 5.75E-43|
| chr18      | 48405001  | 48410000 | 3.78E-37|
| chr18      | 48406001  | 48411000 | 6.47E-13|
| chr18      | 48490001  | 48495000 | 6.21E-09|
| chr18      | 48493001  | 48498000 | 1.02E-19|
| chr18      | 48494001  | 48499000 | 1.19E-27|
| chr18      | 48835001  | 48840000 | 6.91E-07|
| chr18      | 48836001  | 48841000 | 4.14E-06|
| chr18      | 49018001  | 49023000 | 1.09E-07|
| chr18      | 49585001  | 49590000 | 0.000730226|
| chr18      | 50445001  | 50450000 | 0.001479449|
| chr18      | 51249001  | 51254000 | 0.001753398|
| chr18      | 51449001  | 51454000 | 2.05E-05|
| chr18      | 51747001  | 51752000 | 3.86E-38|
| chr18      | 51748001  | 51753000 | 1.93E-17|
| chr18      | 51749001  | 51754000 | 5.94E-14|
| chr18      | 51750001  | 51755000 | 5.48E-16|
| chr18      | 51879001  | 51884000 | 4.01E-17|
| chr18      | 51888300  | 51888800 | 7.42E-85|
| chr18      | 51888401  | 51889000 | 9.04E-102|
| chr18      | 51945001  | 51950000 | 0.001703619|
| chr18      | 52393001  | 52398000 | 9.83E-05|
| chr18      | 52394001  | 52399000 | 4.69E-07|
| chr18      | 52405001  | 52410000 | 0.000386872|
| chr18      | 52406001  | 52411000 | 9.11E-05|
| chr18      | 52407001  | 52412000 | 1.09E-05|
| chr18      | 52413001  | 52418000 | 4.47E-07|
| Chromosome | Start Base | End Base | P-Value |
|------------|------------|----------|---------|
| chr18      | 5217001    | 5242000  | 7.57E-10 |
| chr18      | 52418001   | 52423000 | 2.33E-16 |
| chr18      | 52419001   | 52424000 | 2.62E-15 |
| chr18      | 52420001   | 52425000 | 3.92E-10 |
| chr18      | 52421001   | 52426000 | 1.23E-10 |
| chr18      | 52422001   | 52427000 | 3.53E-09 |
| chr18      | 52519001   | 52524000 | 2.32E-06 |
| chr18      | 52520001   | 52525000 | 3.92E-10 |
| chr18      | 52569001   | 52574000 | 2.60E-07 |
| chr18      | 52817001   | 52822000 | 1.03E-05 |
| chr18      | 52999001   | 53040000 | 5.87E-06 |
| chr18      | 53000001   | 53050000 | 1.66E-06 |
| chr18      | 53442001   | 53447000 | 1.22E-16 |
| chr18      | 54316001   | 54321000 | 2.88E-30 |
| chr18      | 54317001   | 54322000 | 1.92E-34 |
| chr18      | 54319001   | 54324000 | 1.31E-09 |
| chr18      | 54458001   | 54463000 | 0.000438445 |
| chr18      | 54459001   | 54464000 | 0.000872925 |
| chr18      | 54483001   | 54488000 | 9.43E-06 |
| chr18      | 54575001   | 54580000 | 1.11E-06 |
| chr18      | 54576001   | 54581000 | 8.52E-06 |
| chr18      | 54577001   | 54582000 | 5.02E-09 |
| chr18      | 54578001   | 54583000 | 1.24E-09 |
| chr18      | 54625001   | 54630000 | 7.85E-05 |
| chr18      | 54626001   | 54631000 | 5.33E-05 |
| chr18      | 55249001   | 55254000 | 3.43E-25 |
| chr18      | 55284001   | 55289000 | 8.33E-09 |
| chr18      | 55285001   | 55290000 | 4.57E-16 |
| chr18      | 55286001   | 55291000 | 8.41E-26 |
| chr18      | 55287001   | 55292000 | 1.58E-27 |
| chr18      | 55288001   | 55293000 | 1.41E-16 |
| chr18      | 56334001   | 56339000 | 2.67E-10 |
| chr18      | 56527001   | 56532000 | 2.58E-15 |
| chr18      | 56528001   | 56533000 | 1.06E-13 |
| chr18      | 57021001   | 57026000 | 1.98E-10 |
| chr18      | 57023001   | 57028000 | 1.55E-44 |
| chr18      | 57024001   | 57029000 | 4.49E-55 |
| chr18      | 57025001   | 57030000 | 7.05E-46 |
| chr18      | 57026001   | 57031000 | 4.15E-65 |
| chr18      | 57363001   | 57368000 | 2.99E-23 |
| chr18      | 57364001   | 57369000 | 7.48E-34 |
| chr18      | 57694001   | 57699000 | 1.47E-08 |
| chr18      | 57695001   | 57700000 | 6.53E-05 |
| chr18      | 57924001   | 57929000 | 0.001918706 |
| chr18      | 58027001   | 58032000 | 0.003298722 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chr18      | 58118001 | 58123000 | 1.20E-05  |
| chr18      | 58272001 | 58277000 | 0.01168653|
| chr18      | 58273001 | 58278000 | 0.01168653|
| chr18      | 59000001 | 59005000 | 2.97E-17  |
| chr18      | 59001001 | 59006000 | 4.38E-23  |
| chr18      | 59561001 | 59566000 | 3.72E-13  |
| chr18      | 60185001 | 60190000 | 1.60E-36  |
| chr18      | 60186001 | 60191000 | 1.07E-52  |
| chr18      | 60187001 | 60192000 | 2.56E-47  |
| chr18      | 60188001 | 60193000 | 2.78E-46  |
| chr18      | 60191001 | 60196000 | 2.59E-117 |
| chr18      | 60192001 | 60197000 | 2.91E-83  |
| chr18      | 60193001 | 60198000 | 7.41E-87  |
| chr18      | 60194001 | 60199000 | 2.81E-38  |
| chr18      | 60378001 | 60383000 | 3.39E-14  |
| chr18      | 60379001 | 60384000 | 1.24E-20  |
| chr18      | 60381001 | 60386000 | 5.64E-30  |
| chr18      | 60383001 | 60388000 | 4.46E-68  |
| chr18      | 60384001 | 60389000 | 6.45E-47  |
| chr18      | 60987001 | 60992000 | 1.11E-19  |
| chr18      | 61029001 | 61034000 | 1.42E-24  |
| chr18      | 61030001 | 61035000 | 1.59E-44  |
| chr18      | 61031001 | 61036000 | 2.85E-46  |
| chr18      | 61037001 | 61042000 | 4.68E-13  |
| chr18      | 61493001 | 61498000 | 0.001681246|
| chr18      | 61524001 | 61529000 | 5.12E-10  |
| chr18      | 61525001 | 61530000 | 7.47E-08  |
| chr18      | 61599001 | 61604000 | 1.18E-39  |
| chr18      | 61633001 | 61638000 | 5.22E-30  |
| chr18      | 61634001 | 61639000 | 2.89E-26  |
| chr18      | 61635001 | 61640000 | 1.12E-48  |
| chr18      | 61636001 | 61641000 | 6.58E-40  |
| chr18      | 61637001 | 61642000 | 7.83E-54  |
| chr18      | 61638001 | 61643000 | 8.17E-21  |
| chr18      | 62452001 | 62457000 | 7.82E-06  |
| chr18      | 62453001 | 62458000 | 1.84E-06  |
| chr18      | 62454001 | 62459000 | 3.14E-05  |
| chr18      | 62455001 | 62460000 | 2.92E-06  |
| chr18      | 62882001 | 62887000 | 0.000726846|
| chr18      | 62901001 | 62906000 | 2.54E-05  |
| chr18      | 63328001 | 63333000 | 0.011783733|
| chr18      | 63329001 | 63334000 | 0.011783733|
| chr18      | 63497001 | 63502000 | 1.68E-05  |
| chr18      | 64110001 | 64115000 | 1.74E-06  |
| chr18      | 64111001 | 64116000 | 5.98E-07  |
| chr18      | 64470001 | 64475000 | 0.000673856|
| chr18      | 64928001 | 64933000 | 1.89E-05  |
| Chromosome | Start (bp) | End (bp) | P-value |
|------------|-----------|---------|---------|
| chr18      | 64929001  | 64934000| 1.73E-07|
| chr18      | 64930001  | 64935000| 4.07E-08|
| chr18      | 64931001  | 64936000| 2.63E-07|
| chr18      | 65179001  | 65184000| 4.79E-06|
| chr18      | 65183001  | 65188000| 1.29E-06|
| chr18      | 65184001  | 65189000| 1.87E-19|
| chr18      | 65579001  | 65584000| 0.000953074|
| chr18      | 65580001  | 65585000| 0.000953074|
| chr18      | 65793001  | 65798000| 0.00050105|
| chr18      | 65851001  | 65856000| 0.000267737|
| chr18      | 66114001  | 66119000| 1.69E-06|
| chr18      | 66115001  | 66120000| 6.08E-05|
| chr18      | 66116001  | 66121000| 0.00178025|
| chr18      | 66339001  | 66344000| 3.51E-05|
| chr18      | 66431001  | 66436000| 0.000296642|
| chr18      | 66860001  | 66865000| 0.008142747|
| chr18      | 66911001  | 66916000| 0.004352326|
| chr18      | 67001001  | 67006000| 6.09E-06|
| chr18      | 67002001  | 67007000| 3.88E-05|
| chr18      | 67054001  | 67059000| 0.002487263|
| chr18      | 67068001  | 67073000| 9.71E-13|
| chr18      | 67132001  | 67137000| 3.78E-13|
| chr18      | 67144001  | 67149000| 0.003011866|
| chr18      | 67298001  | 67303000| 1.41E-08|
| chr18      | 67299001  | 67304000| 3.12E-05|
| chr18      | 67463001  | 67468000| 6.34E-05|
| chr18      | 67473001  | 67478000| 0.00184243|
| chr18      | 67474001  | 67479000| 0.004448894|
| chr18      | 67578001  | 67583000| 3.46E-08|
| chr18      | 67579001  | 67584000| 1.83E-06|
| chr18      | 67580001  | 67585000| 9.79E-06|
| chr18      | 67873001  | 67878000| 2.84E-13|
| chr18      | 67952001  | 67957000| 4.88E-29|
| chr18      | 67953001  | 67958000| 1.61E-26|
| chr18      | 67954001  | 67959000| 3.20E-32|
| chr18      | 67955001  | 67960000| 3.27E-73|
| chr18      | 67956001  | 67961000| 2.01E-63|
| chr18      | 69669001  | 69674000| 0.002109358|
| chr18      | 70081001  | 70086000| 0.00051657|
| chr18      | 70326001  | 70331000| 7.76E-05|
| chr18      | 71882001  | 71887000| 1.28E-05|
| chr18      | 71959001  | 71964000| 1.91E-16|
| chr18      | 72119001  | 72124000| 2.48E-31|
| chr18      | 72120001  | 72125000| 1.38E-37|
| chr18      | 72121001  | 72126000| 4.29E-34|
| chr18      | 72122001  | 72127000| 2.51E-41|
| chr18      | 72123001  | 72128000| 3.30E-39|
| chr18      | 72124001  | 72129000| 2.43E-29|
| Chr  | Start       | End         | p-value |
|------|-------------|-------------|---------|
| chr18| 72260001    | 72265000    | 2.58E-18|
| chr18| 72261001    | 72266000    | 2.04E-34|
| chr18| 72265001    | 72270000    | 7.12E-24|
| chr18| 72457001    | 72462000    | 4.73E-07|
| chr18| 72923001    | 72928000    | 1.75E-64|
| chr18| 73290001    | 73295000    | 0.000117115|
| chr18| 73628001    | 73633000    | 1.40E-15|
| chr18| 73663001    | 73668000    | 0.022471294|
| chr18| 73672001    | 73677000    | 0.003400377|
| chr18| 73673001    | 73678000    | 8.10E-07|
| chr18| 73836001    | 73841000    | 1.24E-08|
| chr18| 74839001    | 74844000    | 4.41E-34|
| chr18| 74840001    | 74845000    | 6.44E-48|
| chr18| 74841001    | 74846000    | 1.71E-20|
| chr18| 74842001    | 74847000    | 1.42E-11|
| chr18| 75005001    | 75010000    | 4.10E-05|
| chr18| 75006001    | 75011000    | 9.01E-06|
| chr18| 75148001    | 75153000    | 0.002577724|
| chr18| 75165001    | 75170000    | 1.55E-11|
| chr18| 75177001    | 75182000    | 2.31E-05|
| chr18| 75178001    | 75183000    | 1.41E-06|
| chr18| 75179001    | 75184000    | 2.09E-05|
| chr18| 75180001    | 75185000    | 4.14E-05|
| chr18| 75181001    | 75186000    | 2.46E-06|
| chr18| 75261001    | 75266000    | 2.77E-09|
| chr18| 75355001    | 75360000    | 6.59E-05|
| chr18| 75371001    | 75376000    | 5.79E-08|
| chr18| 75372001    | 75377000    | 6.57E-09|
| chr18| 75391001    | 75396000    | 0.000400235|
| chr18| 75432001    | 75437000    | 2.98E-06|
| chr18| 75438001    | 75443000    | 2.23E-05|
| chr18| 75534001    | 75539000    | 1.05E-10|
| chr18| 75608001    | 75613000    | 4.44E-41|
| chr18| 75609001    | 75614000    | 1.10E-70|
| chr18| 75610001    | 75615000    | 4.67E-80|
| chr18| 75611001    | 75616000    | 9.34E-83|
| chr18| 75612001    | 75617000    | 6.55E-96|
| chr18| 75632001    | 75637000    | 2.36E-17|
| chr18| 75633001    | 75638000    | 6.15E-12|
| chr18| 75657001    | 75662000    | 3.58E-12|
| chr18| 75691001    | 75696000    | 4.27E-07|
| chr18| 75876001    | 75881000    | 8.84E-09|
| chr18| 75877001    | 75882000    | 6.85E-09|
| chr18| 75914001    | 75919000    | 7.75E-16|
| chr18| 75915001    | 75920000    | 1.40E-17|
| chr18| 76019001    | 76024000    | 0.00111589|
| chr18| 76020001    | 76025000    | 0.000176624|
| chr18| 76024001    | 76029000    | 1.12E-10|
| Chr | Start Position | End Position | P-value  |
|-----|----------------|--------------|----------|
| chr18 | 76025001 | 76030000 | 3.50E-15 |
| chr18 | 76026001 | 76031000 | 1.42E-16 |
| chr18 | 76027001 | 76032000 | 8.44E-18 |
| chr18 | 76028001 | 76033000 | 3.37E-07 |
| chr18 | 76170001 | 76175000 | 7.38E-08 |
| chr18 | 76172001 | 76177000 | 3.37E-07 |
| chr18 | 76746001 | 76751000 | 2.95E-09 |
| chr18 | 77002001 | 77007000 | 1.61E-17 |
| chr18 | 77003001 | 77008000 | 9.16E-33 |
| chr18 | 77004001 | 77009000 | 3.88E-37 |
| chr18 | 77005001 | 77010000 | 2.42E-44 |
| chr18 | 77006001 | 77011000 | 4.13E-13 |
| chr18 | 77150001 | 77155000 | 1.04E-21 |
| chr18 | 77435001 | 77440000 | 2.50E-44 |
| chr18 | 77596001 | 77601000 | 2.21E-06 |
| chr18 | 77597001 | 77602000 | 1.40E-07 |
| chr18 | 77598001 | 77603000 | 8.02E-06 |
| chr18 | 77599001 | 77604000 | 8.71E-06 |
| chr18 | 77841001 | 77846000 | 2.36E-06 |
| chr18 | 77842001 | 77847000 | 6.18E-08 |
| chr18 | 77843001 | 77848000 | 9.79E-12 |
| chr18 | 77844001 | 77849000 | 6.41E-08 |
| chr18 | 77845001 | 77850000 | 0.000103581 |
| chr18 | 77901001 | 77906000 | 5.51E-19 |
| chr18 | 78001001 | 78006000 | 2.13E-17 |
| chr18 | 78002001 | 78007000 | 1.08E-33 |
| chr18 | 78003001 | 78008000 | 2.12E-22 |
| chr18 | 78004001 | 78009000 | 7.34E-22 |
| chr18 | 78005001 | 78010000 | 2.02E-35 |
| chr19 | 264001 | 269000 | 6.06E-36 |
| chr19 | 267001 | 272000 | 3.11E-23 |
| chr19 | 486001 | 491000 | 3.87E-14 |
| chr19 | 506001 | 511000 | 6.66E-11 |
| chr19 | 662001 | 667000 | 7.21E-12 |
| chr19 | 663001 | 668000 | 6.92E-06 |
| chr19 | 982001 | 987000 | 5.82E-07 |
| chr19 | 1094001 | 1099000 | 9.22E-14 |
| chr19 | 1275001 | 1280000 | 1.20E-05 |
| chr19 | 1476001 | 1481000 | 6.19E-09 |
| chr19 | 1490001 | 1495000 | 1.29E-08 |
| chr19 | 1601001 | 1606000 | 2.83E-25 |
| chr19 | 1768001 | 1773000 | 8.58E-08 |
| chr19 | 1769001 | 1774000 | 6.60E-07 |
| chr19 | 1771001 | 1776000 | 9.18E-05 |
| chr19 | 1902001 | 1907000 | 1.59E-07 |
| chr19 | 1903001 | 1908000 | 2.75E-09 |
| chr19 | 2147001 | 2152000 | 8.53E-08 |
| chr19 |     |     |        |
|-------|-----|-----|--------|
|       | 2289001 | 2294000 | 2.15E-09 |
|       | 2426001 | 2431000 | 3.07E-11 |
|       | 2427001 | 2432000 | 9.50E-10 |
|       | 2455001 | 2460000 | 1.49E-06 |
|       | 2456001 | 2461000 | 2.19E-08 |
|       | 2493001 | 2498000 | 6.11E-06 |
|       | 2739001 | 2744000 | 6.84E-07 |
|       | 2784001 | 2789000 | 1.76E-16 |
|       | 2818001 | 2823000 | 1.89E-11 |
|       | 2819001 | 2824000 | 3.34E-13 |
|       | 2839001 | 2844000 | 3.86E-20 |
|       | 2840001 | 2845000 | 6.28E-22 |
|       | 2841001 | 2846000 | 1.17E-20 |
|       | 2898001 | 2903000 | 1.96E-22 |
|       | 2899001 | 2904000 | 1.54E-28 |
|       | 2900001 | 2905000 | 3.81E-37 |
|       | 2940001 | 2945000 | 3.90E-09 |
|       | 3181001 | 3186000 | 1.61E-10 |
|       | 3321001 | 3326000 | 3.61E-05 |
|       | 3355001 | 3360000 | 7.24E-11 |
|       | 3360001 | 3365000 | 2.69E-11 |
|       | 3569001 | 3574000 | 5.95E-22 |
|       | 3570001 | 3575000 | 3.75E-21 |
|       | 3880001 | 3885000 | 9.13E-05 |
|       | 4121001 | 4126000 | 4.60E-13 |
|       | 4342001 | 4347000 | 4.97E-06 |
|       | 4343001 | 4348000 | 3.75E-09 |
|       | 4396001 | 4401000 | 1.02E-16 |
|       | 4397001 | 4402000 | 8.51E-13 |
|       | 4468001 | 4473000 | 5.92E-09 |
|       | 4469001 | 4474000 | 1.87E-08 |
|       | 4635001 | 4640000 | 2.29E-21 |
|       | 4636001 | 4641000 | 1.20E-10 |
|       | 4668001 | 4673000 | 2.86E-11 |
|       | 4791001 | 4796000 | 2.03E-06 |
|       | 5338001 | 5343000 | 6.21E-21 |
|       | 5340001 | 5345000 | 2.27E-34 |
|       | 5618001 | 5623000 | 5.30E-22 |
|       | 5619001 | 5624000 | 5.92E-18 |
|       | 5620001 | 5625000 | 3.44E-18 |
|       | 5621001 | 5626000 | 2.69E-18 |
|       | 5622001 | 5627000 | 4.67E-33 |
|       | 5623001 | 5628000 | 2.43E-25 |
|       | 5680001 | 5685000 | 1.24E-11 |
|       | 5719001 | 5724000 | 2.14E-06 |
|       | 6106001 | 6111000 | 1.83E-21 |
|       | 6195001 | 6200000 | 1.36E-11 |
|       | 6196001 | 6201000 | 1.91E-06 |
| Chr | Start | End   | Value   |
|-----|-------|-------|---------|
| chr19 | 6276001 | 6281000 | 3.53E-09 |
| chr19 | 6277001 | 6282000 | 2.85E-11 |
| chr19 | 6278001 | 6283000 | 7.30E-16 |
| chr19 | 6279001 | 6284000 | 1.55E-29 |
| chr19 | 6280001 | 6285000 | 2.92E-14 |
| chr19 | 6389001 | 6394000 | 7.53E-12 |
| chr19 | 6390001 | 6395000 | 5.48E-08 |
| chr19 | 6391001 | 6396000 | 1.15E-06 |
| chr19 | 6392001 | 6397000 | 2.03E-09 |
| chr19 | 6420001 | 6425000 | 2.59E-13 |
| chr19 | 6500001 | 6505000 | 6.62E-08 |
| chr19 | 6753001 | 6758000 | 2.01E-06 |
| chr19 | 6756001 | 6761000 | 1.26E-16 |
| chr19 | 6759001 | 6764000 | 1.98E-08 |
| chr19 | 6760001 | 6765000 | 1.40E-05 |
| chr19 | 6902001 | 6907000 | 3.19E-06 |
| chr19 | 6965001 | 6970000 | 1.91E-05 |
| chr19 | 6966001 | 6971000 | 0.000129727 |
| chr19 | 7045001 | 7050000 | 2.40E-06 |
| chr19 | 7067001 | 7072000 | 2.42E-17 |
| chr19 | 7068001 | 7073000 | 3.83E-17 |
| chr19 | 7293001 | 7298000 | 0.000395939 |
| chr19 | 7294001 | 7299000 | 2.00E-11 |
| chr19 | 7414001 | 7419000 | 8.16E-06 |
| chr19 | 7579001 | 7584000 | 5.77E-06 |
| chr19 | 7596001 | 7601000 | 5.08E-08 |
| chr19 | 7600001 | 7605000 | 4.04E-09 |
| chr19 | 7791001 | 7796000 | 9.11E-09 |
| chr19 | 7938001 | 7943000 | 1.40E-09 |
| chr19 | 7939001 | 7944000 | 1.72E-09 |
| chr19 | 7968001 | 7973000 | 4.58E-17 |
| chr19 | 8004001 | 8009000 | 6.17E-05 |
| chr19 | 8474001 | 8479000 | 0.018106408 |
| chr19 | 8475001 | 8480000 | 8.60E-08 |
| chr19 | 8476001 | 8481000 | 7.97E-08 |
| chr19 | 8477001 | 8482000 | 6.36E-06 |
| chr19 | 8505001 | 8510000 | 2.09E-24 |
| chr19 | 8506001 | 8511000 | 7.58E-44 |
| chr19 | 8507001 | 8512000 | 2.53E-28 |
| chr19 | 8509001 | 8514000 | 1.54E-40 |
| chr19 | 8840001 | 8845000 | 9.04E-08 |
| chr19 | 8942001 | 8947000 | 2.73E-08 |
| chr19 | 8943001 | 8948000 | 1.91E-06 |
| chr19 | 9048001 | 9053000 | 0.000215173 |
| chr19 | 9049001 | 9054000 | 2.02E-05 |
| chr19 | 9050001 | 9055000 | 0.000683876 |
| chr19 | 9125001 | 9130000 | 1.96E-07 |
| chr19 | 9417001 | 9422000 | 8.72E-26 |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr19      | 10541001       | 10546000     | 4.41E-19 |
| chr19      | 10610001       | 10615000     | 1.64E-08 |
| chr19      | 10611001       | 10616000     | 6.39E-05 |
| chr19      | 10672001       | 10677000     | 5.19E-11 |
| chr19      | 10709001       | 10714000     | 5.34E-13 |
| chr19      | 10710001       | 10715000     | 2.00E-12 |
| chr19      | 10711001       | 10716000     | 1.68E-10 |
| chr19      | 11197001       | 11202000     | 8.58E-20 |
| chr19      | 111705001      | 117110000    | 4.37E-16 |
| chr19      | 111706001      | 117110000    | 2.96E-16 |
| chr19      | 111707001      | 117120000    | 2.53E-14 |
| chr19      | 111708001      | 117130000    | 2.44E-12 |
| chr19      | 1117490001     | 117540000    | 1.28E-06 |
| chr19      | 111750001      | 117550000    | 2.99E-10 |
| chr19      | 111803001      | 118080000    | 7.78E-06 |
| chr19      | 111804001      | 118090000    | 3.81E-07 |
| chr19      | 111805001      | 118100000    | 5.03E-06 |
| chr19      | 111904001      | 119090000    | 4.06E-11 |
| chr19      | 111918001      | 119230000    | 5.86E-09 |
| chr19      | 111919001      | 119240000    | 1.16E-08 |
| chr19      | 111920001      | 119250000    | 6.26E-18 |
| chr19      | 111921001      | 119260000    | 1.04E-43 |
| chr19      | 111925001      | 119300000    | 3.60E-15 |
| chr19      | 111942001      | 119470000    | 2.55E-05 |
| chr19      | 111943001      | 119480000    | 5.85E-05 |
| chr19      | 111946001      | 119510000    | 6.81E-05 |
| chr19      | 111955001      | 119600000    | 1.18E-27 |
| chr19      | 111956001      | 119610000    | 3.93E-18 |
| chr19      | 111957001      | 119620000    | 5.17E-22 |
| chr19      | 111958001      | 119630000    | 2.03E-19 |
| chr19      | 111959001      | 119640000    | 1.17E-10 |
| chr19      | 12035001       | 120400000    | 1.28E-08 |
| chr19      | 12036001       | 120410000    | 4.98E-14 |
| chr19      | 12094001       | 120990000    | 8.13E-10 |
| chr19      | 12203001       | 122080000    | 9.19E-33 |
| chr19      | 12234001       | 122390000    | 0.000241607 |
| chr19      | 12248001       | 122530000    | 1.44E-12 |
| chr19      | 12249001       | 122540000    | 1.51E-12 |
| chr19      | 12250001       | 122550000    | 3.04E-10 |
| chr19      | 12267001       | 122720000    | 8.57E-10 |
| chr19      | 12476001       | 124810000    | 1.03E-09 |
| chr19      | 12507001       | 125120000    | 8.30E-18 |
| chr19      | 12508001       | 125130000    | 3.15E-08 |
| chr19      | 12509001       | 125140000    | 6.67E-10 |
| chr19      | 12510001       | 125150000    | 3.00E-09 |
| chr19      | 12511001       | 125160000    | 1.57E-26 |
| chr19      | 12547001       | 125520000    | 2.97E-23 |
| chr19      | 12548001       | 125530000    | 4.17E-18 |
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chr19      | 15072001       | 15077000     | 2.51E-11|
| chr19      | 15073001       | 15078000     | 3.73E-09|
| chr19      | 15074001       | 15079000     | 1.47E-07|
| chr19      | 15098001       | 15103000     | 1.20E-09|
| chr19      | 15214001       | 15219000     | 3.83E-07|
| chr19      | 15235001       | 15240000     | 4.34E-17|
| chr19      | 15236001       | 15241000     | 7.31E-15|
| chr19      | 15439001       | 15444000     | 1.57E-24|
| chr19      | 15490001       | 15495000     | 4.25E-30|
| chr19      | 15543001       | 15548000     | 3.18E-07|
| chr19      | 15556001       | 15561000     | 9.70E-08|
| chr19      | 15557001       | 15562000     | 9.32E-09|
| chr19      | 15576001       | 15581000     | 2.29E-10|
| chr19      | 15583001       | 15588000     | 6.78E-06|
| chr19      | 15798001       | 15803000     | 4.78E-08|
| chr19      | 15799001       | 15804000     | 1.97E-06|
| chr19      | 15912001       | 15917000     | 0.000124201|
| chr19      | 15913001       | 15918000     | 1.70E-07|
| chr19      | 16143001       | 16148000     | 4.33E-11|
| chr19      | 16292001       | 16297000     | 1.42E-08|
| chr19      | 16578001       | 16583000     | 6.85E-09|
| chr19      | 16579001       | 16584000     | 1.21E-08|
| chr19      | 16580001       | 16585000     | 3.72E-20|
| chr19      | 16581001       | 16586000     | 2.70E-20|
| chr19      | 17186001       | 17191000     | 8.69E-23|
| chr19      | 17337001       | 17342000     | 3.98E-05|
| chr19      | 17355001       | 17360000     | 8.75E-05|
| chr19      | 17497001       | 17502000     | 5.85E-08|
| chr19      | 17557001       | 17562000     | 8.10E-10|
| chr19      | 17558001       | 17563000     | 2.29E-09|
| chr19      | 17559001       | 17564000     | 2.71E-08|
| chr19      | 17650001       | 17655000     | 8.18E-07|
| chr19      | 17794001       | 17799000     | 1.22E-07|
| chr19      | 17797001       | 17802000     | 6.77E-08|
| chr19      | 17798001       | 17803000     | 1.15E-06|
| chr19      | 17938001       | 17943000     | 1.03E-09|
| chr19      | 17939001       | 17944000     | 1.62E-08|
| chr19      | 17940001       | 17945000     | 5.67E-15|
| chr19      | 17941001       | 17946000     | 5.31E-11|
| chr19      | 17948001       | 17953000     | 5.29E-07|
| chr19      | 18077001       | 18082000     | 4.45E-05|
| chr19      | 18110001       | 18115000     | 7.12E-10|
| chr19      | 18310001       | 18315000     | 3.35E-09|
| chr19      | 18331001       | 18336000     | 1.71E-13|
| chr19      | 18392001       | 18397000     | 3.27E-09|
| chr19      | 18431001       | 18436000     | 4.64E-14|
| chr19      | 18432001       | 18437000     | 7.73E-20|
| chr19      | 18433001       | 18438000     | 3.16E-34|
| Chromosome | Start | End   | p-value    |
|------------|-------|-------|------------|
| chr19      | 18447001 | 18452000 | 1.08E-15   |
| chr19      | 18530001 | 18535000 | 7.71E-08   |
| chr19      | 18703001 | 18708000 | 4.55E-09   |
| chr19      | 18713001 | 18718000 | 1.47E-17   |
| chr19      | 18745001 | 18750000 | 5.00E-08   |
| chr19      | 18746001 | 18751000 | 6.45E-21   |
| chr19      | 18747001 | 18752000 | 8.44E-22   |
| chr19      | 18790001 | 18795000 | 5.55E-24   |
| chr19      | 18791001 | 18796000 | 1.45E-37   |
| chr19      | 18792001 | 18797000 | 1.45E-34   |
| chr19      | 18793001 | 18798000 | 3.19E-12   |
| chr19      | 18794001 | 18799000 | 6.31E-10   |
| chr19      | 18938001 | 18943000 | 8.74E-09   |
| chr19      | 18939001 | 18944000 | 1.39E-07   |
| chr19      | 18941001 | 18946000 | 2.58E-19   |
| chr19      | 18942001 | 18947000 | 3.81E-19   |
| chr19      | 19047001 | 19052000 | 1.23E-05   |
| chr19      | 19140001 | 19145000 | 3.31E-17   |
| chr19      | 19141001 | 19146000 | 2.19E-20   |
| chr19      | 19370001 | 19375000 | 2.73E-11   |
| chr19      | 19371001 | 19376000 | 2.78E-11   |
| chr19      | 19372001 | 19377000 | 1.51E-09   |
| chr19      | 19427001 | 19432000 | 7.14E-08   |
| chr19      | 19431001 | 19436000 | 2.05E-09   |
| chr19      | 19494001 | 19499000 | 2.86E-07   |
| chr19      | 19495001 | 19500000 | 9.46E-23   |
| chr19      | 19512001 | 19517000 | 1.62E-22   |
| chr19      | 19514001 | 19519000 | 7.04E-28   |
| chr19      | 19516001 | 19521000 | 1.10E-18   |
| chr19      | 19750001 | 19755000 | 3.99E-17   |
| chr19      | 19751001 | 19756000 | 1.04E-18   |
| chr19      | 19772001 | 19777000 | 2.56E-16   |
| chr19      | 19773001 | 19778000 | 3.06E-22   |
| chr19      | 19774001 | 19779000 | 1.73E-19   |
| chr19      | 19779001 | 19784000 | 5.13E-16   |
| chr19      | 19839001 | 19844000 | 1.41E-22   |
| chr19      | 19841001 | 19846000 | 4.25E-18   |
| chr19      | 19843001 | 19848000 | 2.77E-26   |
| chr19      | 19887001 | 19892000 | 1.71E-16   |
| chr19      | 20148001 | 20153000 | 2.37E-14   |
| chr19      | 20149001 | 20154000 | 2.68E-17   |
| chr19      | 20150001 | 20155000 | 4.07E-15   |
| chr19      | 20183001 | 20188000 | 6.06E-10   |
| chr19      | 20184001 | 20189000 | 4.39E-14   |
| chr19      | 20185001 | 20190000 | 5.33E-13   |
| chr19      | 20186001 | 20191000 | 8.02E-07   |
| chr19      | 20188001 | 20193000 | 0.00011459 |
| chr19      | 20593001 | 20598000 | 0.039957244|
| chr19 | 20629001 | 20634000 | 0.000737334 |
|-------|----------|----------|-------------|
| chr19 | 20752001 | 20757000 | 1.95E-07    |
| chr19 | 20805001 | 20810000 | 4.53E-05    |
| chr19 | 20807001 | 20812000 | 8.50E-06    |
| chr19 | 21077001 | 21082000 | 2.75E-08    |
| chr19 | 21078001 | 21083000 | 3.30E-09    |
| chr19 | 21121001 | 21126000 | 0.01241292  |
| chr19 | 21199001 | 21204000 | 1.48E-12    |
| chr19 | 21321001 | 21326000 | 7.98E-13    |
| chr19 | 21322001 | 21327000 | 1.27E-11    |
| chr19 | 21323001 | 21328000 | 5.84E-15    |
| chr19 | 21324001 | 21329000 | 2.33E-14    |
| chr19 | 21325001 | 21330000 | 1.80E-15    |
| chr19 | 21410001 | 21415000 | 0.006444552 |
| chr19 | 21411001 | 21416000 | 0.003326072 |
| chr19 | 21412001 | 21417000 | 0.002108215 |
| chr19 | 21425001 | 21430000 | 0.001680258 |
| chr19 | 21575001 | 21580000 | 2.58E-10    |
| chr19 | 21576001 | 21581000 | 8.10E-31    |
| chr19 | 21577001 | 21582000 | 2.13E-28    |
| chr19 | 21578001 | 21583000 | 4.77E-25    |
| chr19 | 21579001 | 21584000 | 4.26E-22    |
| chr19 | 21580001 | 21585000 | 1.21E-13    |
| chr19 | 21634001 | 21639000 | 0.000607712 |
| chr19 | 21635001 | 21640000 | 0.003661009 |
| chr19 | 21636001 | 21641000 | 0.00328682  |
| chr19 | 21663001 | 21668000 | 1.41E-05    |
| chr19 | 21664001 | 21669000 | 1.92E-06    |
| chr19 | 21791001 | 21796000 | 0.00123947  |
| chr19 | 21792001 | 21797000 | 0.000359026 |
| chr19 | 21810001 | 21815000 | 2.75E-05    |
| chr19 | 21970001 | 21975000 | 0.007877024 |
| chr19 | 22017001 | 22022000 | 3.17E-13    |
| chr19 | 22018001 | 22023000 | 3.23E-13    |
| chr19 | 22042001 | 22047000 | 3.10E-11    |
| chr19 | 22076001 | 22081000 | 7.92E-11    |
| chr19 | 22077001 | 22082000 | 2.45E-12    |
| chr19 | 22078001 | 22083000 | 4.69E-13    |
| chr19 | 22079001 | 22084000 | 1.36E-16    |
| chr19 | 22080001 | 22085000 | 1.49E-09    |
| chr19 | 22081001 | 22086000 | 1.11E-06    |
| chr19 | 22082001 | 22087000 | 0.000375029 |
| chr19 | 22089001 | 22094000 | 4.90E-06    |
| chr19 | 22134001 | 22139000 | 1.85E-06    |
| chr19 | 22135001 | 22140000 | 3.22E-14    |
| chr19 | 22136001 | 22141000 | 6.09E-09    |
| chr19 | 22137001 | 22142000 | 1.60E-08    |
| Chr | Start | End   | p-value  |
|-----|-------|-------|----------|
| chr19 | 22138001 | 22143000 | 1.10E-07 |
| chr19 | 22163001 | 22168000 | 2.05E-07 |
| chr19 | 22173001 | 22178000 | 7.63E-06 |
| chr19 | 22191001 | 22196000 | 1.72E-18 |
| chr19 | 22192001 | 22197000 | 7.18E-19 |
| chr19 | 22193001 | 22198000 | 1.63E-30 |
| chr19 | 22194001 | 22199000 | 1.52E-11 |
| chr19 | 22195001 | 22200000 | 1.43E-13 |
| chr19 | 22196001 | 22201000 | 5.04E-10 |
| chr19 | 22197001 | 22202000 | 1.14E-06 |
| chr19 | 22232001 | 22237000 | 7.13E-16 |
| chr19 | 22233001 | 22238000 | 7.88E-12 |
| chr19 | 22234001 | 22239000 | 2.82E-10 |
| chr19 | 22235001 | 22240000 | 2.90E-11 |
| chr19 | 22255001 | 22260000 | 3.33E-18 |
| chr19 | 22256001 | 22261000 | 2.03E-14 |
| chr19 | 22257001 | 22262000 | 1.01E-13 |
| chr19 | 22273001 | 22278000 | 0.0009669 |
| chr19 | 22274001 | 22279000 | 0.00024503 |
| chr19 | 22275001 | 22280000 | 0.000664665 |
| chr19 | 22276001 | 22281000 | 0.00030508 |
| chr19 | 22302001 | 22307000 | 1.65E-16 |
| chr19 | 22303001 | 22308000 | 8.56E-16 |
| chr19 | 22304001 | 22309000 | 1.88E-16 |
| chr19 | 22305001 | 22310000 | 3.45E-16 |
| chr19 | 22372001 | 22377000 | 0.007305705 |
| chr19 | 22402001 | 22407000 | 6.59E-05 |
| chr19 | 22403001 | 22408000 | 0.000148387 |
| chr19 | 22407001 | 22412000 | 2.19E-05 |
| chr19 | 22408001 | 22413000 | 1.44E-05 |
| chr19 | 22417001 | 22422000 | 0.001162394 |
| chr19 | 22428001 | 22433000 | 2.91E-06 |
| chr19 | 22429001 | 22434000 | 2.77E-09 |
| chr19 | 22430001 | 22435000 | 7.45E-12 |
| chr19 | 22431001 | 22436000 | 3.84E-08 |
| chr19 | 22453001 | 22458000 | 3.07E-06 |
| chr19 | 22454001 | 22459000 | 2.02E-07 |
| chr19 | 22455001 | 22460000 | 2.53E-11 |
| chr19 | 22456001 | 22461000 | 7.49E-07 |
| chr19 | 22458001 | 22463000 | 8.06E-07 |
| chr19 | 22459001 | 22464000 | 7.80E-06 |
| chr19 | 22462001 | 22467000 | 0.003162328 |
| chr19 | 22472001 | 22477000 | 2.14E-08 |
| chr19 | 22474001 | 22479000 | 4.04E-07 |
| chr19 | 22524001 | 22529000 | 2.14E-07 |
| chr19 | 22525001 | 22530000 | 6.50E-07 |
| chr19 | 22526001 | 22531000 | 8.27E-08 |
| chr19 | 22527001 | 22532000 | 1.07E-08 |
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|---------------|
| chr19      | 22528001 | 22533000 | 9.23E-07     |
| chr19      | 22593001 | 22598000 | 6.30E-09     |
| chr19      | 22594001 | 22599000 | 5.32E-09     |
| chr19      | 22595001 | 22600000 | 1.01E-08     |
| chr19      | 22606001 | 22611000 | 2.09E-14     |
| chr19      | 22612001 | 22617000 | 3.17E-06     |
| chr19      | 22614001 | 22619000 | 2.30E-07     |
| chr19      | 22615001 | 22620000 | 8.68E-08     |
| chr19      | 22616001 | 22621000 | 3.84E-06     |
| chr19      | 22622001 | 22627000 | 2.12E-07     |
| chr19      | 22623001 | 22628000 | 7.57E-05     |
| chr19      | 22710001 | 22715000 | 8.61E-10     |
| chr19      | 22774001 | 22779000 | 1.20E-14     |
| chr19      | 22814001 | 22819000 | 1.23E-15     |
| chr19      | 22820001 | 22825000 | 6.03E-08     |
| chr19      | 22864001 | 22869000 | 0.000849985  |
| chr19      | 22866001 | 22871000 | 0.007125873  |
| chr19      | 22896001 | 22901000 | 1.29E-05     |
| chr19      | 22897001 | 22902000 | 8.30E-06     |
| chr19      | 22898001 | 22903000 | 3.61E-08     |
| chr19      | 22966001 | 22971000 | 8.76E-08     |
| chr19      | 22967001 | 22972000 | 3.11E-09     |
| chr19      | 23037001 | 23042000 | 0.000302955  |
| chr19      | 23038001 | 23043000 | 0.000163446  |
| chr19      | 23071001 | 23076000 | 2.28E-06     |
| chr19      | 23186001 | 23191000 | 1.87E-07     |
| chr19      | 23187001 | 23192000 | 2.93E-08     |
| chr19      | 23188001 | 23193000 | 1.56E-05     |
| chr19      | 23192001 | 23197000 | 4.21E-06     |
| chr19      | 23193001 | 23198000 | 8.43E-06     |
| chr19      | 23218001 | 23223000 | 2.29E-06     |
| chr19      | 23272001 | 23277000 | 3.37E-06     |
| chr19      | 23273001 | 23278000 | 0.000469065  |
| chr19      | 23274001 | 23279000 | 4.19E-05     |
| chr19      | 23284001 | 23289000 | 0.000230416  |
| chr19      | 23295001 | 23300000 | 1.63E-07     |
| chr19      | 23301001 | 23306000 | 1.70E-05     |
| chr19      | 23332001 | 23337000 | 0.000771549  |
| chr19      | 23388001 | 23393000 | 6.00E-06     |
| chr19      | 23428001 | 23433000 | 4.91E-07     |
| chr19      | 23452001 | 23457000 | 8.88E-10     |
| chr19      | 23539001 | 23544000 | 2.49E-09     |
| chr19      | 23540001 | 23545000 | 2.76E-05     |
| chr19      | 23578001 | 23583000 | 1.22E-20     |
| chr19      | 23656001 | 23661000 | 4.22E-05     |
| chr19      | 23660001 | 23665000 | 7.88E-07     |
| chr19      | 23686001 | 23691000 | 3.63E-06     |
| chr19      | 23700001 | 23705000 | 3.10E-06     |
| Chr  | Start   | End     | Value     |
|------|---------|---------|-----------|
| chr19| 23701001| 23706000| 3.76E-05  |
| chr19| 23702001| 23707000| 0.000729853|
| chr19| 23755001| 23760000| 9.07E-06  |
| chr19| 23758001| 23763000| 4.40E-08  |
| chr19| 23769001| 23774000| 0.004468325|
| chr19| 23819001| 23824000| 1.44E-06  |
| chr19| 23888001| 23893000| 2.11E-06  |
| chr19| 23926001| 23931000| 0.00158791|
| chr19| 23927001| 23932000| 0.00029626|
| chr19| 23928001| 23933000| 0.006036828|
| chr19| 23930001| 23935000| 5.77E-10  |
| chr19| 23931001| 23936000| 1.20E-05  |
| chr19| 23932001| 23937000| 0.000234375|
| chr19| 23938001| 23943000| 0.00180471|
| chr19| 23939001| 23944000| 1.06E-06  |
| chr19| 23998001| 24003000| 2.11E-05  |
| chr19| 24018001| 24023000| 4.65E-05  |
| chr19| 24026001| 24031000| 0.00127227|
| chr19| 24063001| 24068000| 8.30E-10  |
| chr19| 24064001| 24069000| 1.31E-09  |
| chr19| 24065001| 24070000| 0.00119435|
| chr19| 24066001| 24071000| 7.20E-05  |
| chr19| 24097001| 24102000| 1.05E-12  |
| chr19| 24113001| 24118000| 2.84E-08  |
| chr19| 24114001| 24119000| 8.82E-08  |
| chr19| 24174001| 24179000| 2.56E-05  |
| chr19| 24175001| 24180000| 9.18E-06  |
| chr19| 24266001| 24271000| 5.06E-12  |
| chr19| 24267001| 24272000| 1.91E-12  |
| chr19| 24459001| 24464000| 0.00362109|
| chr19| 24533001| 24538000| 9.92E-07  |
| chr19| 24590001| 24595000| 1.25E-16  |
| chr19| 24591001| 24596000| 2.91E-18  |
| chr19| 24625001| 24630000| 0.001114949|
| chr19| 24626001| 24631000| 0.001114949|
| chr19| 24627001| 24632000| 0.001114949|
| chr19| 24628001| 24633000| 0.001114949|
| chr19| 27777001| 27782000| 5.78E-14  |
| chr19| 27778001| 27783000| 7.15E-06  |
| chr19| 27779001| 27784000| 2.66E-06  |
| chr19| 27949001| 27954000| 7.66E-06  |
| chr19| 28084001| 28089000| 0.002369917|
| chr19| 28085001| 28090000| 0.000104628|
| chr19| 28086001| 28091000| 2.25E-08  |
| chr19| 28087001| 28092000| 1.68E-06  |
| chr19| 28123001| 28128000| 2.97E-09  |
| chr19| 28124001| 28129000| 5.32E-08  |
| chr19| 28126001| 28131000| 6.56E-12  |
| chr19 | Start     | End       | p-value  |
|-------|-----------|-----------|----------|
| 28127001 | 28132000 | 2.16E-17  |
| 28195001 | 28200000 | 7.03E-06  |
| 28280001 | 28285000 | 3.44E-25  |
| 28285001 | 28290000 | 3.77E-14  |
| 28316001 | 28321000 | 0.000384187|
| 28317001 | 28322000 | 0.000432717|
| 28417001 | 28422000 | 0.003698771|
| 28421001 | 28426000 | 0.002041601|
| 28422001 | 28427000 | 0.000882298|
| 28514001 | 28519000 | 2.35E-06  |
| 28515001 | 28520000 | 0.000350942|
| 28520001 | 28525000 | 2.20E-06  |
| 28559001 | 28564000 | 3.94E-06  |
| 28580001 | 28585000 | 2.95E-11  |
| 28583001 | 28588000 | 2.49E-05  |
| 28635001 | 28640000 | 2.81E-11  |
| 28636001 | 28641000 | 4.83E-11  |
| 28665001 | 28670000 | 6.88E-21  |
| 28666001 | 28671000 | 1.10E-20  |
| 28667001 | 28672000 | 1.07E-20  |
| 28668001 | 28673000 | 1.64E-19  |
| 28669001 | 28674000 | 4.98E-12  |
| 28839001 | 28844000 | 9.09E-09  |
| 28862001 | 28867000 | 8.19E-09  |
| 28863001 | 28868000 | 6.17E-08  |
| 28865001 | 28870000 | 1.53E-08  |
| 28866001 | 28871000 | 1.11E-05  |
| 28917001 | 28922000 | 7.64E-14  |
| 29019001 | 29024000 | 0.000185251|
| 29135001 | 29140000 | 1.41E-05  |
| 29243001 | 29248000 | 4.49E-12  |
| 29245001 | 29250000 | 1.53E-13  |
| 29253001 | 29258000 | 1.33E-06  |
| 29291001 | 29296000 | 3.61E-05  |
| 29293001 | 29298000 | 4.82E-08  |
| 29294001 | 29299000 | 7.72E-11  |
| 29295001 | 29300000 | 4.11E-08  |
| 29339001 | 29344000 | 0.000253182|
| 29403001 | 29408000 | 6.12E-07  |
| 29546001 | 29551000 | 1.99E-07  |
| 29603001 | 29608000 | 1.80E-10  |
| 29699001 | 29704000 | 1.04E-35  |
| 29835001 | 29840000 | 6.91E-06  |
| 29846001 | 29851000 | 0.001858748|
| 29879001 | 29884000 | 2.76E-08  |
| 29939001 | 29944000 | 5.59E-18  |
| 30298001 | 30303000 | 4.01E-38  |
| 30299001 | 30304000 | 5.60E-55  |
chr19  30300001  30305000  6.28E-37
chr19  30301001  30306000  1.79E-32
chr19  30302001  30307000  5.58E-30
chr19  30303001  30308000  2.53E-18
chr19  30335001  30340000  7.90E-21
chr19  30336001  30341000  2.27E-12
chr19  30360001  30365000  5.74E-24
chr19  30361001  30366000  2.55E-24
chr19  30362001  30367000  6.84E-13
chr19  30591001  30596000  1.02E-06
chr19  30686001  30691000  3.25E-06
chr19  30688001  30693000  1.98E-07
chr19  30689001  30694000  4.09E-09
chr19  30690001  30695000  1.02E-08
chr19  30724001  30729000  7.66E-12
chr19  30726001  30731000  6.67E-14
chr19  30740001  30745000  1.70E-14
chr19  30741001  30746000  1.19E-13
chr19  30775001  30790000  2.47E-07
chr19  30861001  30866000  3.63E-28
chr19  30895001  30900000  1.70E-12
chr19  30896001  30901000  7.79E-18
chr19  30897001  30902000  7.66E-12
chr19  30923001  30928000  2.76E-09
chr19  30924001  30929000  3.02E-12
chr19  30925001  30930000  7.66E-12
chr19  30926001  30931000  9.87E-21
chr19  30928001  30933000  3.92E-10
chr19  30929001  30934000  1.38E-15
chr19  30969001  30974000  1.00E-14
chr19  30970001  30975000  1.16E-13
chr19  30988001  30993000  2.03E-11
chr19  31068001  31073000  2.87E-14
chr19  31069001  31074000  1.78E-12
chr19  31070001  31075000  3.89E-13
chr19  31095001  31100000  3.06E-14
chr19  31096001  31101000  1.51E-13
chr19  31097001  31102000  1.07E-14
chr19  31098001  31103000  5.22E-19
chr19  31132001  31137000  1.19E-11
chr19  31147001  31152000  6.98E-23
chr19  31148001  31153000  3.88E-22
chr19  31149001  31154000  1.75E-11
chr19  31151001  31156000  3.76E-14
chr19  31226001  31231000  1.49E-12
chr19  31236001  31241000  7.02E-10
chr19  31238001  31243000  5.46E-08
| Chromosome | Start   | End     | Value     |
|------------|---------|---------|-----------|
| chr19      | 31239001| 31244000| 1.42E-10  |
| chr19      | 31240001| 31245000| 3.86E-11  |
| chr19      | 31250001| 31255000| 0.001057147|
| chr19      | 31251001| 31256000| 0.003986715|
| chr19      | 31304001| 31309000| 5.49E-10  |
| chr19      | 31308001| 31313000| 9.26E-11  |
| chr19      | 31311001| 31316000| 1.39E-06  |
| chr19      | 313439001| 31440000| 3.14E-05  |
| chr19      | 31440001| 31445000| 0.000335631|
| chr19      | 31702001| 31707000| 3.65E-12  |
| chr19      | 31727001| 31732000| 7.91E-05  |
| chr19      | 31921001| 31926000| 4.75E-05  |
| chr19      | 31936001| 31941000| 2.97E-10  |
| chr19      | 31964001| 31969000| 0.000687335|
| chr19      | 32013001| 32018000| 0.009638628|
| chr19      | 32113001| 32118000| 4.38E-08  |
| chr19      | 32114001| 32119000| 1.21E-06  |
| chr19      | 32115001| 32120000| 1.69E-09  |
| chr19      | 32160001| 32165000| 3.79E-11  |
| chr19      | 32169001| 32174000| 1.05E-15  |
| chr19      | 32173001| 32178000| 3.00E-08  |
| chr19      | 32210001| 32215000| 1.68E-11  |
| chr19      | 32250001| 32255000| 4.72E-11  |
| chr19      | 32251001| 32256000| 2.35E-11  |
| chr19      | 32252001| 32257000| 7.36E-12  |
| chr19      | 32269001| 32274000| 6.61E-09  |
| chr19      | 32299001| 32304000| 5.05E-09  |
| chr19      | 32312001| 32317000| 2.89E-11  |
| chr19      | 32313001| 32318000| 7.88E-09  |
| chr19      | 32314001| 32319000| 2.25E-12  |
| chr19      | 32315001| 32320000| 2.88E-18  |
| chr19      | 32316001| 32321000| 2.26E-16  |
| chr19      | 32317001| 32322000| 1.15E-17  |
| chr19      | 32318001| 32323000| 1.53E-17  |
| chr19      | 32352001| 32357000| 6.99E-05  |
| chr19      | 32357001| 32362000| 6.70E-05  |
| chr19      | 32358001| 32363000| 0.000100518|
| chr19      | 32359001| 32364000| 5.16E-10  |
| chr19      | 32390001| 32395000| 4.74E-18  |
| chr19      | 32391001| 32396000| 1.16E-13  |
| chr19      | 32392001| 32397000| 3.48E-08  |
| chr19      | 32402001| 32407000| 4.33E-06  |
| chr19      | 32403001| 32408000| 8.18E-07  |
| chr19      | 32420001| 32425000| 3.83E-05  |
| chr19      | 32465001| 32470000| 1.94E-07  |
| chr19      | 32492001| 32497000| 1.70E-09  |
| chr19      | 32500001| 32505000| 1.51E-15  |
| chr19      | 32507001| 32512000| 1.45E-13  |
chr19  32508001  32513000  5.99E-11
chr19  32519001  32524000  3.58E-12
chr19  32583001  32588000  1.66E-15
chr19  32585001  32590000  7.14E-17
chr19  32591001  32596000  6.06E-13
chr19  32592001  32597000  4.52E-16
chr19  32593001  32598000  7.12E-10
chr19  32592001  32597000  5.03E-18
chr19  32664001  32669000  2.75E-11
chr19  32691001  32696000  5.49E-13
chr19  32692001  32697000  3.04E-08
chr19  32792001  32797000  7.58E-06
chr19  33067001  33072000  7.20E-22
chr19  33166001  33171000  9.22E-08
chr19  33683001  33688000  6.45E-10
chr19  33685001  33690000  3.15E-10
chr19  34072001  34077000  0.000693189
chr19  34073001  34078000  0.000626662
chr19  34074001  34079000  0.000338444
chr19  34210001  34215000  7.32E-10
chr19  34283001  34288000  1.09E-48
chr19  34284001  34289000  2.74E-59
chr19  34285001  34290000  4.95E-38
chr19  34286001  34291000  2.07E-18
chr19  34407001  34412000  4.20E-08
chr19  34408001  34413000  6.18E-09
chr19  34409001  34414000  1.03E-11
chr19  34417001  34422000  1.53E-17
chr19  34418001  34423000  1.09E-17
chr19  34419001  34424000  1.31E-12
chr19  34420001  34425000  3.49E-10
chr19  34421001  34426000  1.03E-12
chr19  34452001  34457000  9.76E-06
chr19  34453001  34458000  9.76E-06
chr19  34454001  34459000  8.76E-05
chr19  34468001  34473000  3.93E-10
chr19  34469001  34474000  3.27E-13
chr19  34470001  34475000  1.82E-10
chr19  34471001  34476000  3.00E-08
chr19  34472001  34477000  9.86E-09
chr19  34473001  34478000  9.88E-07
chr19  34741001  34746000  2.67E-20
chr19  34742001  34747000  1.09E-18
chr19  34743001  34748000  2.22E-19
chr19  34744001  34749000  1.29E-10
chr19  34745001  34750000  5.44E-19
chr19  34852001  34857000  1.89E-21
| Chromosome | Start | End   | P-value  |
|------------|-------|-------|----------|
| chr19      | 34853001 | 34858000 | 1.29E-15 |
| chr19      | 34854001 | 34859000 | 1.16E-12 |
| chr19      | 34855001 | 34860000 | 3.15E-08 |
| chr19      | 34856001 | 34861000 | 3.51E-09 |
| chr19      | 34894001 | 34899000 | 4.28E-13 |
| chr19      | 34895001 | 34900000 | 3.96E-12 |
| chr19      | 34968001 | 34973000 | 1.39E-19 |
| chr19      | 34971001 | 34976000 | 2.45E-14 |
| chr19      | 35053001 | 35058000 | 4.21E-09 |
| chr19      | 35055001 | 35060000 | 1.40E-07 |
| chr19      | 35092001 | 35097000 | 0.000228923 |
| chr19      | 35093001 | 35098000 | 8.68E-05 |
| chr19      | 35165001 | 35170000 | 8.67E-23 |
| chr19      | 35166001 | 35171000 | 3.35E-41 |
| chr19      | 35167001 | 35172000 | 5.96E-63 |
| chr19      | 35168001 | 35173000 | 7.76E-47 |
| chr19      | 35202001 | 35207000 | 1.10E-11 |
| chr19      | 35203001 | 35208000 | 2.28E-12 |
| chr19      | 35224001 | 35229000 | 1.70E-29 |
| chr19      | 35225001 | 35230000 | 2.87E-29 |
| chr19      | 35270001 | 35275000 | 3.21E-06 |
| chr19      | 35271001 | 35276000 | 3.61E-12 |
| chr19      | 35272001 | 35277000 | 2.67E-14 |
| chr19      | 35273001 | 35278000 | 1.09E-10 |
| chr19      | 35274001 | 35279000 | 1.54E-08 |
| chr19      | 35330001 | 35335000 | 1.14E-09 |
| chr19      | 35333001 | 35338000 | 2.88E-09 |
| chr19      | 35334001 | 35339000 | 3.01E-13 |
| chr19      | 35335001 | 35340000 | 3.83E-12 |
| chr19      | 35336001 | 35341000 | 5.34E-16 |
| chr19      | 35337001 | 35342000 | 1.79E-19 |
| chr19      | 35338001 | 35343000 | 7.85E-13 |
| chr19      | 35405001 | 35410000 | 1.50E-06 |
| chr19      | 35406001 | 35411000 | 2.65E-06 |
| chr19      | 35417001 | 35422000 | 1.44E-13 |
| chr19      | 35418001 | 35423000 | 1.65E-11 |
| chr19      | 35442001 | 35447000 | 5.40E-06 |
| chr19      | 35734001 | 35739000 | 2.46E-24 |
| chr19      | 35759001 | 35764000 | 2.06E-09 |
| chr19      | 35760001 | 35765000 | 1.54E-07 |
| chr19      | 36189001 | 36194000 | 1.84E-24 |
| chr19      | 36190001 | 36195000 | 2.65E-25 |
| chr19      | 36191001 | 36196000 | 2.16E-15 |
| chr19      | 36320001 | 36325000 | 0.000229657 |
| chr19      | 36472001 | 36477000 | 0.000178227 |
| chr19      | 36474001 | 36479000 | 0.004172258 |
| chr19      | 36484001 | 36489000 | 3.54E-07 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr19      | 36485001       | 36490000     | 7.45E-06 |
| chr19      | 36486001       | 36491000     | 5.63E-10 |
| chr19      | 36605001       | 36610000     | 9.57E-11 |
| chr19      | 36865001       | 36870000     | 9.81E-21 |
| chr19      | 36866001       | 36871000     | 2.78E-35 |
| chr19      | 36867001       | 36872000     | 2.62E-14 |
| chr19      | 36905001       | 36910000     | 6.04E-22 |
| chr19      | 37015001       | 37020000     | 4.05E-47 |
| chr19      | 37019001       | 37024000     | 3.95E-22 |
| chr19      | 37055001       | 37060000     | 0.001441179 |
| chr19      | 37060001       | 37065000     | 2.06E-15 |
| chr19      | 37061001       | 37066000     | 5.61E-19 |
| chr19      | 37062001       | 37067000     | 1.19E-33 |
| chr19      | 37063001       | 37068000     | 4.19E-27 |
| chr19      | 37064001       | 37069000     | 3.34E-24 |
| chr19      | 37405001       | 37410000     | 3.23E-23 |
| chr19      | 37407001       | 37412000     | 8.78E-20 |
| chr19      | 37475001       | 37480000     | 3.46E-09 |
| chr19      | 37704001       | 37709000     | 5.14E-16 |
| chr19      | 37705001       | 37710000     | 4.55E-25 |
| chr19      | 37752001       | 37757000     | 0.01188042 |
| chr19      | 37806001       | 37811000     | 8.28E-33 |
| chr19      | 37807001       | 37812000     | 2.02E-30 |
| chr19      | 37808001       | 37813000     | 4.42E-23 |
| chr19      | 37857001       | 37862000     | 1.28E-09 |
| chr19      | 37860001       | 37865000     | 2.12E-19 |
| chr19      | 37861001       | 37866000     | 3.20E-19 |
| chr19      | 37979001       | 37984000     | 8.43E-08 |
| chr19      | 38002001       | 38007000     | 1.03E-08 |
| chr19      | 38086001       | 38091000     | 1.41E-14 |
| chr19      | 38147001       | 38152000     | 2.53E-08 |
| chr19      | 38153001       | 38158000     | 1.76E-08 |
| chr19      | 38154001       | 38159000     | 5.14E-12 |
| chr19      | 38155001       | 38160000     | 2.89E-12 |
| chr19      | 38156001       | 38161000     | 5.01E-15 |
| chr19      | 38157001       | 38162000     | 4.29E-10 |
| chr19      | 38158001       | 38163000     | 5.85E-07 |
| chr19      | 38173001       | 38178000     | 5.93E-13 |
| chr19      | 38174001       | 38179000     | 1.18E-08 |
| chr19      | 38175001       | 38180000     | 1.31E-07 |
| chr19      | 38206001       | 38211000     | 1.35E-25 |
| chr19      | 38207001       | 38212000     | 4.37E-34 |
| chr19      | 38208001       | 38213000     | 6.45E-28 |
| chr19      | 38209001       | 38214000     | 8.53E-39 |
| chr19      | 38210001       | 38215000     | 1.59E-32 |
| chr19      | 38393001       | 38398000     | 1.48E-21 |
| chr19      | 38714001       | 38719000     | 5.73E-10 |
| chr19      | 38751001       | 38756000     | 1.19E-13 |
| chr19 | start | end   | p-value     |
|-------|-------|-------|-------------|
| 38852001 | 38857000 | 3.53E-05 |
| 39257001 | 39262000 | 4.78E-25 |
| 39258001 | 39263000 | 2.17E-23 |
| 39259001 | 39264000 | 1.95E-24 |
| 39260001 | 39265000 | 1.01E-10 |
| 39388001 | 39393000 | 7.37E-08 |
| 39389001 | 39394000 | 2.02E-07 |
| 39390001 | 39395000 | 8.50E-18 |
| 39391001 | 39396000 | 1.95E-24 |
| 39392001 | 39397000 | 1.01E-10 |
| 39393001 | 39398000 | 4.56E-21 |
| 39394001 | 39399000 | 1.91E-09 |
| 39395001 | 39400000 | 1.38E-10 |
| 40026001 | 40031000 | 3.39E-33 |
| 40064001 | 40069000 | 3.40E-09 |
| 40332001 | 40337000 | 2.12E-12 |
| 40472001 | 40477000 | 3.25E-09 |
| 40474001 | 40479000 | 2.03E-07 |
| 40475001 | 40480000 | 3.94E-09 |
| 40498001 | 40503000 | 5.26E-17 |
| 40499001 | 40504000 | 1.10E-17 |
| 40500001 | 40505000 | 4.57E-26 |
| 40501001 | 40506000 | 3.46E-30 |
| 40502001 | 40507000 | 8.27E-30 |
| 40503001 | 40508000 | 1.10E-33 |
| 40557001 | 40562000 | 1.49E-27 |
| 40562001 | 40567000 | 3.66E-24 |
| 40592001 | 40597000 | 4.56E-21 |
| 40693001 | 40698000 | 1.91E-09 |
| 41021001 | 41026000 | 1.38E-10 |
| 41196001 | 41201000 | 2.31E-08 |
| 41320001 | 41325000 | 6.35E-12 |
| 41957001 | 41962000 | 0.000136372 |
| 42364001 | 42369000 | 7.94E-13 |
| 43164001 | 43169000 | 2.29E-09 |
| 43332001 | 43337000 | 0.001436534 |
| 44075001 | 44080000 | 1.98E-17 |
| 44121001 | 44126000 | 8.87E-11 |
| 44122001 | 44127000 | 1.78E-15 |
| 44136001 | 44141000 | 2.66E-08 |
| 44298001 | 44303000 | 0.002623723 |
| 44435001 | 44440000 | 5.38E-27 |
| 44436001 | 44441000 | 4.65E-28 |
| 44437001 | 44442000 | 1.69E-29 |
| 44484001 | 44489000 | 2.94E-17 |
| 44502001 | 44507000 | 6.59E-22 |
| 44503001 | 44508000 | 2.78E-31 |
| 44507001 | 44512000 | 2.89E-18 |
| 44645001 | 44650000 | 2.19E-33 |
| 44646001 | 44651000 | 1.26E-21 |
| 44804001 | 44809000 | 7.65E-11 |
| Chr  | Start    | End      | P-value  |
|------|----------|----------|----------|
| chr19| 44805001 | 44810000 | 7.14E-22 |
| chr19| 44856001 | 44861000 | 5.79E-19 |
| chr19| 44865001 | 44870000 | 0.006610468 |
| chr19| 44925001 | 44930000 | 6.60E-07 |
| chr19| 44926001 | 44931000 | 3.68E-07 |
| chr19| 45015001 | 45020000 | 5.46E-05 |
| chr19| 45015001 | 45020000 | 5.46E-05 |
| chr19| 45051001 | 45056000 | 6.40E-14 |
| chr19| 45052001 | 45057000 | 2.10E-16 |
| chr19| 45053001 | 45058000 | 4.05E-14 |
| chr19| 45054001 | 45059000 | 2.77E-17 |
| chr19| 45578001 | 45583000 | 3.69E-31 |
| chr19| 45579001 | 45584000 | 5.10E-35 |
| chr19| 45580001 | 45585000 | 6.86E-32 |
| chr19| 45581001 | 45586000 | 2.05E-16 |
| chr19| 45582001 | 45587000 | 3.78E-26 |
| chr19| 45923001 | 45928000 | 6.52E-17 |
| chr19| 46191001 | 46196000 | 0.000399174 |
| chr19| 46193001 | 46198000 | 1.14E-11 |
| chr19| 46194001 | 46199000 | 1.82E-16 |
| chr19| 46195001 | 46200000 | 5.48E-13 |
| chr19| 46291001 | 46296000 | 4.91E-16 |
| chr19| 46292001 | 46297000 | 3.73E-19 |
| chr19| 46595001 | 46600000 | 6.65E-07 |
| chr19| 46596001 | 46601000 | 3.66E-08 |
| chr19| 46848001 | 46853000 | 3.21E-06 |
| chr19| 46972001 | 46977000 | 5.53E-05 |
| chr19| 47100001 | 47105000 | 7.68E-27 |
| chr19| 47101001 | 47106000 | 4.48E-32 |
| chr19| 47102001 | 47107000 | 1.19E-20 |
| chr19| 47103001 | 47108000 | 2.65E-09 |
| chr19| 47104001 | 47109000 | 2.97E-08 |
| chr19| 47289001 | 47294000 | 3.68E-30 |
| chr19| 47290001 | 47295000 | 3.98E-27 |
| chr19| 47291001 | 47296000 | 2.11E-17 |
| chr19| 47727001 | 47732000 | 3.81E-08 |
| chr19| 48107001 | 48112000 | 7.14E-22 |
| chr19| 48108001 | 48113000 | 1.84E-24 |
| chr19| 48109001 | 48114000 | 4.79E-26 |
| chr19| 48891001 | 48896000 | 1.56E-07 |
| chr19| 49122001 | 49127000 | 1.82E-17 |
| chr19| 49217001 | 49222000 | 2.73E-12 |
| chr19| 49314001 | 49319000 | 2.49E-08 |
| chr19| 49338001 | 49343000 | 8.15E-16 |
| chr19| 49339001 | 49344000 | 7.64E-14 |
| chr19| 49574001 | 49579000 | 6.05E-08 |
| chr19| 49614001 | 49619000 | 1.02E-11 |
| chr19| 49615001 | 49620000 | 2.62E-10 |
| chr19| 49623001 | 49628000 | 2.09E-11 |
|     | Chromosome  | Start Position | End Position | P-value   |
|-----|-------------|----------------|--------------|-----------|
| chr19| 49772001    | 49777000       | 1.79E-07     |
| chr19| 50529001    | 50534000       | 1.19E-09     |
| chr19| 51552001    | 51557000       | 9.08E-09     |
| chr19| 51557001    | 51562000       | 9.16E-15     |
| chr19| 51558001    | 51563000       | 1.78E-09     |
| chr19| 51788001    | 51793000       | 5.03E-08     |
| chr19| 51843001    | 51848000       | 1.37E-13     |
| chr19| 51871001    | 51876000       | 1.69E-10     |
| chr19| 51923001    | 51928000       | 3.85E-05     |
| chr19| 52133001    | 52138000       | 0.000177081  |
| chr19| 52144001    | 52149000       | 0.000663062  |
| chr19| 52146001    | 52151000       | 6.93E-06     |
| chr19| 52361001    | 52366000       | 0.000183922  |
| chr19| 52368001    | 52373000       | 1.44E-08     |
| chr19| 52369001    | 52374000       | 1.69E-10     |
| chr19| 52507001    | 52512000       | 8.92E-65     |
| chr19| 52508001    | 52513000       | 2.35E-57     |
| chr19| 52509001    | 52514000       | 4.43E-43     |
| chr19| 52510001    | 52515000       | 1.25E-27     |
| chr19| 52511001    | 52516000       | 3.10E-08     |
| chr19| 52594001    | 52599000       | 5.06E-21     |
| chr19| 52595001    | 52600000       | 1.51E-18     |
| chr19| 52596001    | 52601000       | 1.06E-11     |
| chr19| 52692001    | 52697000       | 3.30E-20     |
| chr19| 52693001    | 52698000       | 1.04E-23     |
| chr19| 52769001    | 52774000       | 1.74E-15     |
| chr19| 52770001    | 52775000       | 2.82E-15     |
| chr19| 52771001    | 52776000       | 1.08E-15     |
| chr19| 52773001    | 52778000       | 1.32E-13     |
| chr19| 53027001    | 53032000       | 3.17E-15     |
| chr19| 53069001    | 53074000       | 4.77E-15     |
| chr19| 53070001    | 53075000       | 1.08E-19     |
| chr19| 53071001    | 53076000       | 4.37E-11     |
| chr19| 53072001    | 53077000       | 4.39E-11     |
| chr19| 53073001    | 53078000       | 1.37E-08     |
| chr19| 53103001    | 53108000       | 3.27E-20     |
| chr19| 53104001    | 53109000       | 4.11E-41     |
| chr19| 53105001    | 53110000       | 2.77E-16     |
| chr19| 53288001    | 53293000       | 5.69E-07     |
| chr19| 53356001    | 53361000       | 1.27E-18     |
| chr19| 53359001    | 53364000       | 9.04E-14     |
| chr19| 53360001    | 53365000       | 5.99E-22     |
| chr19| 53467001    | 53472000       | 0.000104196  |
| chr19| 53468001    | 53473000       | 0.000173042  |
| chr19| 53469001    | 53474000       | 4.01E-05     |
| chr19| 53634001    | 53639000       | 1.06E-19     |
| chr19| 53635001    | 53640000       | 1.99E-17     |
| chr19| 53636001    | 53641000       | 1.88E-17     |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr19      | 53833001       | 53838000     | 4.84E-18 |
| chr19      | 53836001       | 53841000     | 1.65E-10 |
| chr19      | 53837001       | 53842000     | 2.99E-06 |
| chr19      | 53931001       | 53936000     | 2.35E-39 |
| chr19      | 53932001       | 53937000     | 7.96E-39 |
| chr19      | 53933001       | 53938000     | 4.79E-34 |
| chr19      | 53967001       | 53972000     | 9.79E-16 |
| chr19      | 53968001       | 53973000     | 4.26E-17 |
| chr19      | 53969001       | 53974000     | 9.42E-18 |
| chr19      | 54133001       | 54138000     | 1.17E-07 |
| chr19      | 54140001       | 54145000     | 5.47E-12 |
| chr19      | 54208001       | 54213000     | 1.35E-13 |
| chr19      | 54209001       | 54214000     | 8.88E-15 |
| chr19      | 54878001       | 54883000     | 4.81E-12 |
| chr19      | 55353001       | 55358000     | 1.99E-25 |
| chr19      | 55354001       | 55359000     | 8.16E-14 |
| chr19      | 55370001       | 55375000     | 5.07E-10 |
| chr19      | 55371001       | 55376000     | 1.39E-07 |
| chr19      | 55448001       | 55453000     | 3.53E-09 |
| chr19      | 55628001       | 55633000     | 7.90E-07 |
| chr19      | 55891001       | 55896000     | 2.21E-32 |
| chr19      | 55892001       | 55897000     | 6.15E-24 |
| chr19      | 55914001       | 55919000     | 9.07E-08 |
| chr19      | 55915001       | 55920000     | 5.92E-09 |
| chr19      | 55916001       | 55921000     | 6.26E-20 |
| chr19      | 55917001       | 55922000     | 1.45E-30 |
| chr19      | 55918001       | 55923000     | 4.70E-27 |
| chr19      | 55919001       | 55924000     | 1.79E-24 |
| chr19      | 55962001       | 55967000     | 3.01E-08 |
| chr19      | 55963001       | 55968000     | 9.16E-06 |
| chr19      | 56427001       | 56432000     | 0.000154762 |
| chr19      | 56429001       | 56434000     | 7.99E-10 |
| chr19      | 56574001       | 56579000     | 3.78E-20 |
| chr19      | 56575001       | 56580000     | 6.86E-07 |
| chr19      | 56576001       | 56581000     | 6.58E-05 |
| chr19      | 56725001       | 56730000     | 5.00E-10 |
| chr19      | 56822001       | 56827000     | 1.78E-59 |
| chr19      | 56823001       | 56828000     | 1.38E-29 |
| chr19      | 56911001       | 56916000     | 1.28E-22 |
| chr19      | 56912001       | 56917000     | 6.31E-17 |
| chr19      | 56913001       | 56918000     | 3.05E-16 |
| chr19      | 57019001       | 57024000     | 1.54E-17 |
| chr19      | 57045001       | 57050000     | 1.23E-08 |
| chr19      | 57102001       | 57107000     | 2.22E-48 |
| chr19      | 57105001       | 57110000     | 3.11E-17 |
| chr19      | 57204001       | 57209000     | 5.13E-13 |
| chr19      | 57205001       | 57210000     | 1.94E-16 |
| chr19      | 57206001       | 57211000     | 8.18E-15 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr19      | 57232001       | 57237000     | 9.17E-08 |
| chr19      | 57232001       | 57237000     | 2.48E-09 |
| chr19      | 57317001       | 57322000     | 1.31E-05 |
| chr19      | 57323001       | 57328000     | 1.02E-12 |
| chr19      | 57325001       | 57330000     | 2.75E-15 |
| chr19      | 57473001       | 57478000     | 2.71E-20 |
| chr19      | 57522001       | 57527000     | 3.76E-06 |
| chr19      | 57593001       | 57598000     | 7.31E-18 |
| chr19      | 57679001       | 57684000     | 1.04E-16 |
| chr19      | 57698001       | 57703000     | 5.33E-15 |
| chr19      | 57699001       | 57704000     | 4.51E-17 |
| chr19      | 57700001       | 57705000     | 1.96E-27 |
| chr19      | 57701001       | 57706000     | 2.00E-24 |
| chr19      | 57702001       | 57707000     | 2.18E-25 |
| chr19      | 57703001       | 57708000     | 5.38E-14 |
| chr19      | 57747001       | 57752000     | 3.77E-08 |
| chr19      | 57858001       | 57863000     | 2.05E-28 |
| chr19      | 57859001       | 57864000     | 1.92E-26 |
| chr19      | 57860001       | 57865000     | 1.46E-25 |
| chr19      | 57861001       | 57866000     | 1.49E-13 |
| chr19      | 57918001       | 57923000     | 9.13E-25 |
| chr19      | 57919001       | 57924000     | 9.27E-20 |
| chr19      | 57921001       | 57926000     | 2.53E-19 |
| chr19      | 58007001       | 58012000     | 2.04E-12 |
| chr19      | 58008001       | 58013000     | 1.46E-14 |
| chr19      | 58009001       | 58014000     | 7.51E-16 |
| chr19      | 58140001       | 58145000     | 1.10E-16 |
| chr19      | 58144001       | 58149000     | 9.38E-35 |
| chr19      | 58254001       | 58259000     | 8.88E-11 |
| chr19      | 58255001       | 58260000     | 1.99E-20 |
| chr19      | 58256001       | 58261000     | 2.02E-11 |
| chr19      | 58257001       | 58262000     | 3.37E-10 |
| chr19      | 58258001       | 58263000     | 4.29E-07 |
| chr19      | 58357001       | 58362000     | 1.99E-07 |
| chr19      | 58397001       | 58402000     | 1.72E-29 |
| chr19      | 58400001       | 58405000     | 1.24E-17 |
| chr19      | 58426001       | 58431000     | 7.54E-20 |
| chr19      | 58509001       | 58514000     | 1.93E-08 |
| chr19      | 58510001       | 58515000     | 8.40E-12 |
| chr19      | 58511001       | 58516000     | 4.11E-10 |
| chr19      | 58512001       | 58517000     | 4.22E-12 |
| chr19      | 58513001       | 58518000     | 1.37E-19 |
| chr19      | 58514001       | 58519000     | 6.55E-17 |
| chr19      | 58605001       | 58610000     | 3.01E-05 |
| chr19      | 58631001       | 58636000     | 0.000111326 |
| chr19      | 58634001       | 58639000     | 3.83E-07 |
| chr19      | 58690001       | 58695000     | 3.63E-18 |
| chr19      | 58691001       | 58696000     | 4.77E-23 |
| Chromosome | Start Base | End Base | P-Value |
|------------|------------|----------|---------|
| chr19      | 58740001   | 58745000 | 2.57E-05|
| chr19      | 58786001   | 58791000 | 3.10E-53|
| chr19      | 58787001   | 58792000 | 6.86E-52|
| chr19      | 58788001   | 58793000 | 2.27E-46|
| chr19      | 58789001   | 58794000 | 1.07E-44|
| chr19      | 58790001   | 58795000 | 9.14E-15|
| chr19      | 58869001   | 58874000 | 1.76E-22|
| chr19      | 58870001   | 58875000 | 1.97E-35|
| chr19      | 58871001   | 58876000 | 1.35E-42|
| chr19      | 58872001   | 58877000 | 1.58E-42|
| chr19      | 58873001   | 58878000 | 1.38E-29|
| chr19      | 58911001   | 58916000 | 1.69E-11|
| chr19      | 58912001   | 58917000 | 6.15E-10|
| chr19      | 58918001   | 58923000 | 6.74E-19|
| chr19      | 58919001   | 58924000 | 3.91E-46|
| chr19      | 58920001   | 58925000 | 3.19E-42|
| chr19      | 59006001   | 59011000 | 3.59E-18|
| chr19      | 59007001   | 59012000 | 1.26E-13|
| chr19      | 59008001   | 59013000 | 8.12E-19|
| chr19      | 59009001   | 59014000 | 2.70E-21|
| chr19      | 59010001   | 59015000 | 6.09E-27|
| chr20      | 94001      | 99000    | 2.11E-10|
| chr20      | 95001      | 100000   | 1.76E-10|
| chr20      | 97001      | 102000   | 8.46E-06|
| chr20      | 148001     | 153000   | 1.89E-07|
| chr20      | 158001     | 163000   | 1.62E-07|
| chr20      | 201001     | 206000   | 0.002574532|
| chr20      | 301001     | 306000   | 1.39E-22|
| chr20      | 302001     | 307000   | 8.79E-41|
| chr20      | 303001     | 308000   | 3.38E-21|
| chr20      | 324001     | 329000   | 1.27E-09|
| chr20      | 655001     | 660000   | 3.75E-10|
| chr20      | 705001     | 710000   | 2.84E-09|
| chr20      | 907001     | 912000   | 2.55E-09|
| chr20      | 908001     | 913000   | 1.39E-09|
| chr20      | 909001     | 914000   | 6.85E-09|
| chr20      | 1206001    | 1211000  | 9.56E-35|
| chr20      | 1242001    | 1247000  | 3.74E-10|
| chr20      | 1243001    | 1248000  | 1.42E-10|
| chr20      | 1244001    | 1249000  | 3.41E-17|
| chr20      | 1245001    | 1250000  | 4.24E-21|
| chr20      | 1246001    | 1251000  | 1.63E-20|
| chr20      | 1443001    | 1448000  | 1.62E-33|
| chr20      | 1588001    | 1593000  | 1.01E-08|
| chr20      | 1753001    | 1758000  | 3.74E-21|
| chr20      | 1754001    | 1759000  | 1.58E-33|
| chr20      | 2078001    | 2083000  | 6.01E-34|
| chr20      | 2079001    | 2084000  | 2.68E-46|
| Chr | Start | End   | p-value  |
|-----|-------|-------|----------|
| chr20 | 2391001 | 2396000 | 0.000173229 |
| chr20 | 2451001 | 2456000 | 9.14E-47 |
| chr20 | 2485001 | 2490000 | 1.92E-29 |
| chr20 | 2817001 | 2822000 | 9.58E-14 |
| chr20 | 2818001 | 2823000 | 1.11E-18 |
| chr20 | 2819001 | 2824000 | 3.75E-18 |
| chr20 | 2820001 | 2825000 | 1.24E-29 |
| chr20 | 2821001 | 2826000 | 9.62E-50 |
| chr20 | 2854001 | 2859000 | 3.27E-74 |
| chr20 | 3025001 | 3030000 | 9.28E-07 |
| chr20 | 3026001 | 3031000 | 8.95E-11 |
| chr20 | 3383001 | 3388000 | 3.45E-11 |
| chr20 | 3447001 | 3452000 | 9.08E-52 |
| chr20 | 3448001 | 3453000 | 3.95E-54 |
| chr20 | 3449001 | 3454000 | 3.84E-42 |
| chr20 | 3450001 | 3455000 | 1.63E-42 |
| chr20 | 3451001 | 3456000 | 3.57E-27 |
| chr20 | 3744001 | 3749000 | 4.97E-05 |
| chr20 | 3754001 | 3759000 | 2.49E-19 |
| chr20 | 3755001 | 3760000 | 1.15E-15 |
| chr20 | 3756001 | 3761000 | 4.89E-12 |
| chr20 | 3767001 | 3772000 | 1.15E-16 |
| chr20 | 3772001 | 3777000 | 7.81E-17 |
| chr20 | 3773001 | 3778000 | 1.76E-14 |
| chr20 | 3823001 | 3828000 | 1.62E-23 |
| chr20 | 3865001 | 3870000 | 2.67E-33 |
| chr20 | 3866001 | 3871000 | 3.54E-39 |
| chr20 | 3867001 | 3872000 | 3.87E-15 |
| chr20 | 3996001 | 4001000 | 1.56E-13 |
| chr20 | 4663001 | 4668000 | 4.17E-25 |
| chr20 | 4664001 | 4669000 | 1.25E-27 |
| chr20 | 4665001 | 4670000 | 4.71E-41 |
| chr20 | 4666001 | 4671000 | 8.48E-57 |
| chr20 | 4667001 | 4672000 | 1.94E-54 |
| chr20 | 4799001 | 4804000 | 1.54E-13 |
| chr20 | 4800001 | 4805000 | 1.06E-10 |
| chr20 | 4802001 | 4807000 | 2.75E-09 |
| chr20 | 4803001 | 4808000 | 7.10E-14 |
| chr20 | 5100001 | 5105000 | 3.56E-37 |
| chr20 | 5103001 | 5108000 | 2.62E-38 |
| chr20 | 5223001 | 5228000 | 7.67E-07 |
| chr20 | 5892001 | 5897000 | 4.22E-38 |
| chr20 | 6099001 | 6104000 | 1.47E-23 |
| chr20 | 6100001 | 6105000 | 3.15E-41 |
| chr20 | 6101001 | 6106000 | 3.93E-43 |
| chr20 | 6102001 | 6107000 | 4.18E-44 |
| chr20 | 6103001 | 6108000 | 1.16E-46 |
| chr20 | 6104001 | 6109000 | 4.12E-12 |
| Chr  | Start  | End    | Value       |
|------|--------|--------|-------------|
| 20   | 6171001| 6176000| 4.17E-07    |
| 20   | 6174001| 6179000| 0.000872258 |
| 20   | 6175001| 6180000| 0.000254875 |
| 20   | 6228001| 6233000| 9.61E-06    |
| 20   | 6390001| 6395000| 8.77E-05    |
| 20   | 6391001| 6396000| 0.00166236  |
| 20   | 6392001| 6397000| 0.002780173 |
| 20   | 6750001| 6755000| 1.29E-18    |
| 20   | 7730001| 7735000| 0.004020031 |
| 20   | 7995001| 8000000| 1.07E-48    |
| 20   | 7996001| 8001000| 7.15E-75    |
| 20   | 8000001| 8005000| 1.19E-42    |
| 20   | 8109001| 8114000| 1.21E-19    |
| 20   | 8110001| 8115000| 1.07E-23    |
| 20   | 8111001| 8116000| 7.31E-30    |
| 20   | 8112001| 8117000| 6.22E-20    |
| 20   | 8113001| 8118000| 5.61E-46    |
| 20   | 8232001| 8237000| 5.16E-06    |
| 20   | 8236001| 8241000| 1.77E-05    |
| 20   | 8281001| 8286000| 5.54E-08    |
| 20   | 8389001| 8394000| 8.00E-06    |
| 20   | 8390001| 8395000| 1.06E-05    |
| 20   | 9048001| 9053000| 3.03E-77    |
| 20   | 9049001| 9054000| 4.88E-91    |
| 20   | 9050001| 9055000| 3.58E-17    |
| 20   | 9491001| 9496000| 4.91E-31    |
| 20   | 9505001| 9510000| 0.009316867 |
| 20   | 1015001| 1015500| 7.36E-10    |
| 20   | 10396001| 10401000| 0.00922667  |
| 20   | 10655001| 10660000| 2.95E-30    |
| 20   | 11146001| 11151000| 0.001356144 |
| 20   | 11867001| 11872000| 1.57E-26    |
| 20   | 12760001| 12765000| 0.000556415 |
| 20   | 12761001| 12766000| 0.000365001 |
| 20   | 13197001| 13202000| 6.49E-30    |
| 20   | 13198001| 13203000| 1.28E-23    |
| 20   | 13199001| 13204000| 1.11E-30    |
| 20   | 13200001| 13205000| 1.52E-41    |
| 20   | 13201001| 13206000| 1.51E-44    |
| 20   | 13202001| 13207000| 2.64E-38    |
| 20   | 13615001| 13620000| 7.64E-23    |
| 20   | 13616001| 13621000| 8.41E-29    |
| 20   | 13618001| 13623000| 1.30E-23    |
| 20   | 13619001| 13624000| 4.26E-33    |
| 20   | 13761001| 13766000| 1.25E-77    |
| 20   | 13762001| 13767000| 1.40E-68    |
| 20   | 13763001| 13768000| 5.37E-67    |
| 20   | 13764001| 13769000| 2.21E-68    |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr20      | 13765001 | 13770000 | 6.29E-47 |
| chr20      | 13781001 | 13786000 | 0.001470227 |
| chr20      | 13948001 | 13953000 | 0.0027668 |
| chr20      | 13949001 | 13954000 | 0.018413691 |
| chr20      | 13972001 | 13977000 | 1.42E-60 |
| chr20      | 13973001 | 13978000 | 4.18E-90 |
| chr20      | 13974001 | 13979000 | 2.95E-97 |
| chr20      | 13975001 | 13980000 | 4.03E-67 |
| chr20      | 13976001 | 13981000 | 6.76E-45 |
| chr20      | 14590001 | 14595000 | 0.016993762 |
| chr20      | 15261001 | 15266000 | 0.000144394 |
| chr20      | 15262001 | 15267000 | 0.000483753 |
| chr20      | 16320001 | 16325000 | 4.30E-05 |
| chr20      | 16565001 | 16570000 | 1.34E-09 |
| chr20      | 16673001 | 16678000 | 0.000160157 |
| chr20      | 16674001 | 16679000 | 0.000144898 |
| chr20      | 16752001 | 16757000 | 0.000563475 |
| chr20      | 16753001 | 16758000 | 0.000142777 |
| chr20      | 16755001 | 16760000 | 0.008883104 |
| chr20      | 16918001 | 16923000 | 0.001647215 |
| chr20      | 16937001 | 16942000 | 0.000452591 |
| chr20      | 16998001 | 17003000 | 0.000740406 |
| chr20      | 16999001 | 17004000 | 0.00047906 |
| chr20      | 17041001 | 17046000 | 8.16E-05 |
| chr20      | 17112001 | 17117000 | 0.002255553 |
| chr20      | 17137001 | 17142000 | 2.64E-08 |
| chr20      | 17138001 | 17143000 | 1.71E-06 |
| chr20      | 17191001 | 17196000 | 7.71E-05 |
| chr20      | 17238001 | 17243000 | 0.0039606 |
| chr20      | 17268001 | 17273000 | 4.09E-06 |
| chr20      | 17507001 | 17512000 | 6.38E-49 |
| chr20      | 17508001 | 17513000 | 1.69E-25 |
| chr20      | 17509001 | 17514000 | 1.55E-25 |
| chr20      | 17510001 | 17515000 | 4.13E-26 |
| chr20      | 17511001 | 17516000 | 4.27E-41 |
| chr20      | 17512001 | 17517000 | 4.01E-21 |
| chr20      | 17546001 | 17551000 | 2.29E-16 |
| chr20      | 17550001 | 17555000 | 5.23E-32 |
| chr20      | 17551001 | 17556000 | 1.36E-20 |
| chr20      | 17658001 | 17663000 | 6.64E-37 |
| chr20      | 17662001 | 17667000 | 1.55E-23 |
| chr20      | 18033001 | 18038000 | 2.43E-17 |
| chr20      | 18216001 | 18221000 | 1.13E-07 |
| chr20      | 18217001 | 18222000 | 3.74E-06 |
| chr20      | 18264001 | 18269000 | 1.26E-17 |
| chr20      | 18849001 | 18854000 | 2.00E-09 |
| chr20      | 18851001 | 18856000 | 7.26E-08 |
| chr20      | 18890001 | 18895000 | 2.05E-10 |
| Chromosome | Start | End | P-value          |
|------------|-------|-----|-----------------|
| chr20      | 18891001 | 18896000 | 3.93E-08       |
| chr20      | 19033001 | 19038000 | 3.40E-06       |
| chr20      | 19034001 | 19039000 | 1.39E-07       |
| chr20      | 19035001 | 19040000 | 1.86E-07       |
| chr20      | 19036001 | 19041000 | 0.001441128    |
| chr20      | 19040001 | 19045000 | 6.46E-07       |
| chr20      | 19041001 | 19046000 | 5.07E-05       |
| chr20      | 19139001 | 19144000 | 1.34E-14       |
| chr20      | 19143001 | 19148000 | 1.03E-12       |
| chr20      | 19169001 | 19174000 | 3.66E-05       |
| chr20      | 19176001 | 19181000 | 2.36E-05       |
| chr20      | 19177001 | 19182000 | 2.06E-05       |
| chr20      | 19178001 | 19183000 | 1.42E-06       |
| chr20      | 19188001 | 19193000 | 5.07E-09       |
| chr20      | 19191001 | 19196000 | 1.92E-21       |
| chr20      | 19192001 | 19197000 | 2.52E-38       |
| chr20      | 19193001 | 19198000 | 1.87E-35       |
| chr20      | 19201001 | 19206000 | 4.30E-11       |
| chr20      | 19202001 | 19207000 | 1.66E-09       |
| chr20      | 19203001 | 19208000 | 3.11E-12       |
| chr20      | 19204001 | 19209000 | 5.46E-09       |
| chr20      | 19228001 | 19233000 | 0.002929488    |
| chr20      | 19246001 | 19251000 | 3.82E-05       |
| chr20      | 19247001 | 19252000 | 2.42E-07       |
| chr20      | 19248001 | 19253000 | 2.21E-06       |
| chr20      | 19249001 | 19254000 | 1.28E-05       |
| chr20      | 19273001 | 19278000 | 1.47E-06       |
| chr20      | 19316001 | 19321000 | 1.19E-11       |
| chr20      | 19317001 | 19322000 | 1.20E-13       |
| chr20      | 19324001 | 19329000 | 2.28E-09       |
| chr20      | 19359001 | 19364000 | 1.82E-08       |
| chr20      | 19360001 | 19365000 | 1.70E-07       |
| chr20      | 19363001 | 19368000 | 1.85E-09       |
| chr20      | 19364001 | 19369000 | 0.000123703    |
| chr20      | 19367001 | 19372000 | 7.09E-10       |
| chr20      | 19368001 | 19373000 | 8.70E-08       |
| chr20      | 19369001 | 19374000 | 2.62E-06       |
| chr20      | 19409001 | 19414000 | 3.57E-09       |
| chr20      | 19410001 | 19415000 | 2.76E-08       |
| chr20      | 19411001 | 19416000 | 1.18E-08       |
| chr20      | 19445001 | 19450000 | 3.14E-15       |
| chr20      | 19446001 | 19451000 | 1.12E-16       |
| chr20      | 19458001 | 19463000 | 2.52E-13       |
| chr20      | 19459001 | 19464000 | 6.89E-11       |
| chr20      | 19575001 | 19580000 | 8.93E-16       |
| chr20      | 19601001 | 19606000 | 5.22E-07       |
| chr20      | 19765001 | 19770000 | 9.15E-12       |
| chr20      | 19993001 | 19998000 | 4.00E-29       |
| Chr | Start (bp) | End (bp) | Score     |
|-----|------------|----------|-----------|
| chr20 | 20028001  | 20033000 | 5.47E-34  |
| chr20 | 20029001  | 20034000 | 2.95E-68  |
| chr20 | 20030001  | 20035000 | 3.93E-46  |
| chr20 | 20031001  | 20036000 | 7.84E-50  |
| chr20 | 20033001  | 20038000 | 7.33E-47  |
| chr20 | 20689001  | 20694000 | 7.26E-28  |
| chr20 | 20690001  | 20695000 | 1.58E-53  |
| chr20 | 20691001  | 20696000 | 6.48E-48  |
| chr20 | 20692001  | 20697000 | 1.63E-43  |
| chr20 | 20693001  | 20698000 | 2.40E-55  |
| chr20 | 20999001  | 21004000 | 1.84E-18  |
| chr20 | 20057001  | 20062000 | 0.005240099 |
| chr20 | 20058001  | 20063000 | 0.011693529 |
| chr20 | 22150001  | 22155000 | 7.77E-10  |
| chr20 | 22151001  | 22156000 | 4.71E-12  |
| chr20 | 22152001  | 22157000 | 3.13E-12  |
| chr20 | 22153001  | 22158000 | 1.19E-12  |
| chr20 | 22154001  | 22159000 | 5.89E-14  |
| chr20 | 22191001  | 22196000 | 8.94E-06  |
| chr20 | 22242001  | 22247000 | 1.25E-10  |
| chr20 | 23331001  | 23336000 | 1.59E-20  |
| chr20 | 23339001  | 23344000 | 2.97E-40  |
| chr20 | 23340001  | 23345000 | 3.63E-42  |
| chr20 | 23341001  | 23346000 | 3.34E-35  |
| chr20 | 23342001  | 23347000 | 7.38E-25  |
| chr20 | 23402001  | 23407000 | 3.44E-21  |
| chr20 | 23518001  | 23523000 | 7.17E-05  |
| chr20 | 23535001  | 23540000 | 0.000233744 |
| chr20 | 23539001  | 23544000 | 2.88E-05  |
| chr20 | 23540001  | 23545000 | 4.04E-05  |
| chr20 | 23542001  | 23547000 | 0.001511382 |
| chr20 | 23548001  | 23553000 | 1.56E-12  |
| chr20 | 23549001  | 23554000 | 1.08E-09  |
| chr20 | 23848001  | 23853000 | 1.42E-08  |
| chr20 | 23875001  | 23880000 | 3.24E-05  |
| chr20 | 23884001  | 23889000 | 7.08E-07  |
| chr20 | 23886001  | 23891000 | 5.61E-07  |
| chr20 | 23887001  | 23892000 | 3.84E-09  |
| chr20 | 23888001  | 23893000 | 4.18E-09  |
| chr20 | 23889001  | 23894000 | 1.42E-06  |
| chr20 | 23942001  | 23947000 | 0.000503998 |
| chr20 | 23943001  | 23948000 | 1.89E-06  |
| chr20 | 23948001  | 23953000 | 2.24E-07  |
| chr20 | 24023001  | 24028000 | 6.27E-10  |
| chr20 | 24045001  | 24050000 | 0.000288436 |
| chr20 | 24155001  | 24160000 | 3.46E-05  |
| chr20 | 24209001  | 24214000 | 5.56E-10  |
| chr20 | 24306001  | 24311000 | 3.76E-05  |
| Chromosome | Start | End   | Value   |
|------------|-------|-------|---------|
| chr20      | 24572001 | 24577000 | 7.44E-06 |
| chr20      | 24859001 | 24864000 | 9.92E-09 |
| chr20      | 24860001 | 24865000 | 2.91E-06 |
| chr20      | 24862001 | 24867000 | 0.001562411 |
| chr20      | 25034001 | 25039000 | 5.64E-33 |
| chr20      | 25174001 | 25179000 | 1.95E-18 |
| chr20      | 25175001 | 25180000 | 9.96E-11 |
| chr20      | 25176001 | 25181000 | 2.40E-20 |
| chr20      | 25227001 | 25232000 | 2.34E-48 |
| chr20      | 25228001 | 25233000 | 1.15E-55 |
| chr20      | 25229001 | 25234000 | 1.10E-38 |
| chr20      | 25604001 | 25609000 | 1.09E-28 |
| chr20      | 25673001 | 25678000 | 4.54E-19 |
| chr20      | 25675001 | 25680000 | 2.55E-16 |
| chr20      | 25676001 | 25681000 | 6.91E-30 |
| chr20      | 25677001 | 25682000 | 2.57E-46 |
| chr20      | 25951001 | 25956000 | 0.001743614 |
| chr20      | 25952001 | 25957000 | 4.91E-07 |
| chr20      | 29496001 | 29501000 | 8.26E-07 |
| chr20      | 29502001 | 29507000 | 0.000370076 |
| chr20      | 29803001 | 29808000 | 2.24E-18 |
| chr20      | 29804001 | 29809000 | 3.07E-22 |
| chr20      | 29805001 | 29810000 | 5.41E-19 |
| chr20      | 29809001 | 29814000 | 7.50E-06 |
| chr20      | 29815001 | 29820000 | 1.65E-12 |
| chr20      | 29816001 | 29821000 | 2.27E-12 |
| chr20      | 29817001 | 29822000 | 1.51E-12 |
| chr20      | 30193001 | 30198000 | 7.88E-12 |
| chr20      | 30449001 | 30454000 | 9.45E-09 |
| chr20      | 30535001 | 30540000 | 3.47E-32 |
| chr20      | 30536001 | 30541000 | 2.19E-21 |
| chr20      | 30778001 | 30783000 | 2.39E-08 |
| chr20      | 30795001 | 30800000 | 2.72E-29 |
| chr20      | 30861001 | 30866000 | 9.29E-13 |
| chr20      | 31120001 | 31125000 | 3.93E-14 |
| chr20      | 31524001 | 31529000 | 1.16E-16 |
| chr20      | 31525001 | 31530000 | 4.18E-18 |
| chr20      | 31526001 | 31531000 | 6.45E-14 |
| chr20      | 32027001 | 32032000 | 2.87E-13 |
| chr20      | 32073001 | 32078000 | 2.89E-26 |
| chr20      | 32074001 | 32079000 | 3.71E-32 |
| chr20      | 32075001 | 32080000 | 5.93E-46 |
| chr20      | 32076001 | 32081000 | 1.15E-45 |
| chr20      | 32077001 | 32082000 | 1.15E-25 |
| chr20      | 32248001 | 32253000 | 1.72E-05 |
| chr20      | 32249001 | 32254000 | 3.13E-18 |
| chr20      | 32269001 | 32274000 | 1.37E-15 |
| chr20      | 32270001 | 32275000 | 1.07E-13 |
| Chromosome | Start Position | End Position | p-Value    |
|------------|----------------|--------------|------------|
| chr20      | 32271001       | 32276000     | 5.75E-10   |
| chr20      | 32304001       | 32309000     | 4.29E-20   |
| chr20      | 32305001       | 32310000     | 4.55E-19   |
| chr20      | 32315001       | 32320000     | 2.26E-07   |
| chr20      | 32699001       | 32704000     | 5.04E-20   |
| chr20      | 32951001       | 32956000     | 2.28E-34   |
| chr20      | 33014001       | 33019000     | 1.23E-23   |
| chr20      | 33409001       | 33414000     | 1.59E-27   |
| chr20      | 33410001       | 33415000     | 2.16E-30   |
| chr20      | 33411001       | 33416000     | 4.50E-32   |
| chr20      | 33412001       | 33417000     | 1.64E-17   |
| chr20      | 33462001       | 33467000     | 8.34E-18   |
| chr20      | 33463001       | 33468000     | 1.44E-20   |
| chr20      | 33464001       | 33469000     | 7.61E-25   |
| chr20      | 33755001       | 33760000     | 1.13E-12   |
| chr20      | 33756001       | 33761000     | 3.39E-19   |
| chr20      | 33757001       | 33762000     | 3.49E-19   |
| chr20      | 33814001       | 33819000     | 5.34E-22   |
| chr20      | 33868001       | 33873000     | 1.98E-12   |
| chr20      | 34043001       | 34048000     | 1.31E-27   |
| chr20      | 34285001       | 34290000     | 4.66E-17   |
| chr20      | 34286001       | 34291000     | 1.55E-30   |
| chr20      | 34287001       | 34292000     | 3.13E-38   |
| chr20      | 34537001       | 34542000     | 1.02E-34   |
| chr20      | 34634001       | 34639000     | 3.32E-38   |
| chr20      | 34638001       | 34643000     | 3.87E-18   |
| chr20      | 34676001       | 34681000     | 1.70E-14   |
| chr20      | 34677001       | 34682000     | 6.66E-12   |
| chr20      | 34822001       | 34827000     | 3.39E-24   |
| chr20      | 35203001       | 35208000     | 1.26E-09   |
| chr20      | 35230001       | 35235000     | 8.98E-24   |
| chr20      | 35374001       | 35379000     | 2.09E-28   |
| chr20      | 35402001       | 35407000     | 1.08E-06   |
| chr20      | 35721001       | 35726000     | 1.61E-21   |
| chr20      | 35722001       | 35727000     | 4.35E-20   |
| chr20      | 35723001       | 35728000     | 3.54E-35   |
| chr20      | 35724001       | 35729000     | 5.46E-53   |
| chr20      | 35803001       | 35808000     | 2.11E-20   |
| chr20      | 36322001       | 36327000     | 2.21E-25   |
| chr20      | 37071001       | 37076000     | 1.43E-29   |
| chr20      | 37099001       | 37104000     | 4.73E-45   |
| chr20      | 37100001       | 37105000     | 1.18E-50   |
| chr20      | 37101001       | 37106000     | 3.00E-92   |
| chr20      | 37102001       | 37107000     | 3.12E-13   |
| chr20      | 37377001       | 37382000     | 2.51E-68   |
| chr20      | 37551001       | 37556000     | 3.96E-26   |
| chr20      | 37552001       | 37557000     | 1.59E-14   |
| chr20      | 37553001       | 37558000     | 4.22E-19   |
| Chromosome | Start Base | End Base | P-value  |
|------------|------------|----------|----------|
| chr20      | 37554001   | 37559000 | 2.59E-17 |
| chr20      | 37555001   | 37560000 | 2.65E-08 |
| chr20      | 37586001   | 37591000 | 4.57E-40 |
| chr20      | 37587001   | 37592000 | 1.50E-38 |
| chr20      | 37588001   | 37593000 | 1.61E-43 |
| chr20      | 37590001   | 37595000 | 4.19E-30 |
| chr20      | 37990001   | 37995000 | 2.05E-06 |
| chr20      | 37991001   | 37996000 | 2.07E-08 |
| chr20      | 38079001   | 38084000 | 5.04E-06 |
| chr20      | 38080001   | 38085000 | 3.50E-08 |
| chr20      | 38081001   | 38086000 | 7.49E-11 |
| chr20      | 38082001   | 38087000 | 1.16E-10 |
| chr20      | 38083001   | 38088000 | 5.76E-07 |
| chr20      | 38084001   | 38089000 | 1.84E-10 |
| chr20      | 38085001   | 38090000 | 2.95E-07 |
| chr20      | 38755001   | 38760000 | 0.001053774 |
| chr20      | 38756001   | 38761000 | 0.002257818 |
| chr20      | 38968001   | 38973000 | 0.003074139 |
| chr20      | 38969001   | 38974000 | 0.000752208 |
| chr20      | 39501001   | 39506000 | 3.95E-08 |
| chr20      | 39502001   | 39507000 | 3.21E-08 |
| chr20      | 39505001   | 39510000 | 3.25E-05 |
| chr20      | 39711001   | 39716000 | 3.60E-05 |
| chr20      | 39941001   | 39946000 | 2.42E-24 |
| chr20      | 40051001   | 40056000 | 6.38E-09 |
| chr20      | 40052001   | 40057000 | 5.61E-09 |
| chr20      | 40242001   | 40247000 | 4.72E-19 |
| chr20      | 40304001   | 40309000 | 3.30E-05 |
| chr20      | 40384001   | 40389000 | 0.005748593 |
| chr20      | 40629001   | 40634000 | 3.31E-11 |
| chr20      | 40973001   | 40978000 | 5.72E-11 |
| chr20      | 40974001   | 40979000 | 3.02E-09 |
| chr20      | 40986001   | 40991000 | 2.21E-14 |
| chr20      | 40996001   | 41001000 | 1.53E-07 |
| chr20      | 41028001   | 41033000 | 1.63E-06 |
| chr20      | 41076001   | 41081000 | 9.92E-08 |
| chr20      | 41077001   | 41082000 | 2.30E-07 |
| chr20      | 41078001   | 41083000 | 4.71E-12 |
| chr20      | 41079001   | 41084000 | 1.70E-09 |
| chr20      | 41080001   | 41085000 | 2.41E-09 |
| chr20      | 41081001   | 41086000 | 7.68E-07 |
| chr20      | 41082001   | 41087000 | 4.03E-05 |
| chr20      | 41105001   | 41110000 | 1.51E-08 |
| chr20      | 41131001   | 41136000 | 0.001203089 |
| chr20      | 41217001   | 41222000 | 2.92E-07 |
| chr20      | 41218001   | 41223000 | 2.12E-09 |
| chr20      | 41269001   | 41274000 | 9.26E-06 |
| chr20 | 43536001 | 43541000 | 7.54E-23 |
|-------|----------|----------|----------|
| chr20 | 43537001 | 43542000 | 1.53E-13 |
| chr20 | 43538001 | 43543000 | 1.09E-08 |
| chr20 | 43588001 | 43593000 | 1.43E-29 |
| chr20 | 43589001 | 43594000 | 3.49E-37 |
| chr20 | 43591001 | 43596000 | 1.14E-30 |
| chr20 | 43644001 | 43649000 | 0.015545042 |
| chr20 | 43974001 | 43979000 | 2.48E-09 |
| chr20 | 43975001 | 43980000 | 1.23E-09 |
| chr20 | 44033001 | 44038000 | 1.22E-05 |
| chr20 | 44096001 | 44101000 | 1.14E-17 |
| chr20 | 44097001 | 44102000 | 8.41E-14 |
| chr20 | 44481001 | 44486000 | 1.89E-12 |
| chr20 | 44515001 | 44520000 | 4.80E-07 |
| chr20 | 44563001 | 44568000 | 3.30E-12 |
| chr20 | 44646001 | 44651000 | 5.86E-16 |
| chr20 | 44647001 | 44652000 | 4.59E-19 |
| chr20 | 44988001 | 44993000 | 1.16E-14 |
| chr20 | 44989001 | 44994000 | 7.74E-23 |
| chr20 | 45030001 | 45035000 | 7.68E-15 |
| chr20 | 45031001 | 45036000 | 2.70E-37 |
| chr20 | 45032001 | 45037000 | 4.85E-27 |
| chr20 | 45033001 | 45038000 | 6.28E-23 |
| chr20 | 45034001 | 45039000 | 9.66E-22 |
| chr20 | 45035001 | 45040000 | 4.75E-23 |
| chr20 | 45087001 | 45092000 | 6.78E-22 |
| chr20 | 45278001 | 45283000 | 2.82E-19 |
| chr20 | 45279001 | 45284000 | 1.68E-18 |
| chr20 | 45280001 | 45285000 | 8.48E-10 |
| chr20 | 45318001 | 45323000 | 1.50E-48 |
| chr20 | 45489001 | 45494000 | 2.98E-05 |
| chr20 | 45490001 | 45495000 | 1.57E-05 |
| chr20 | 45519001 | 45524000 | 5.34E-23 |
| chr20 | 46126001 | 46131000 | 2.82E-13 |
| chr20 | 47536001 | 47541000 | 8.74E-21 |
| chr20 | 47537001 | 47542000 | 2.74E-40 |
| chr20 | 47538001 | 47543000 | 4.10E-44 |
| chr20 | 47663001 | 47668000 | 1.09E-36 |
| chr20 | 47890001 | 47895000 | 1.04E-26 |
| chr20 | 48326001 | 48331000 | 1.62E-23 |
| chr20 | 48328001 | 48333000 | 3.55E-15 |
| chr20 | 48329001 | 48334000 | 5.68E-18 |
| chr20 | 48330001 | 48335000 | 1.89E-22 |
| chr20 | 48599001 | 48604000 | 4.84E-05 |
| chr20 | 48770001 | 48775000 | 1.50E-25 |
| chr20 | 48803001 | 48808000 | 5.06E-09 |
| chr20 | 49410001 | 49415000 | 3.53E-13 |
| chr20 | 49411001 | 49416000 | 2.58E-18 |
| Chromosome | Start Base | End Base | p-Value   |
|------------|------------|----------|-----------|
| chr20      | 49546001   | 49551000 | 3.83E-10  |
| chr20      | 49547001   | 49552000 | 1.55E-26  |
| chr20      | 49548001   | 49553000 | 3.54E-27  |
| chr20      | 49570001   | 49575000 | 1.36E-38  |
| chr20      | 50721001   | 50726000 | 9.01E-25  |
| chr20      | 50804001   | 50809000 | 7.92E-47  |
| chr20      | 50805001   | 50810000 | 2.84E-32  |
| chr20      | 50808001   | 50813000 | 4.42E-33  |
| chr20      | 50942001   | 50947000 | 1.78E-05  |
| chr20      | 50984001   | 50989000 | 0.001681731 |
| chr20      | 51172001   | 51177000 | 0.000996596 |
| chr20      | 51208001   | 51213000 | 4.41E-07  |
| chr20      | 51209001   | 51214000 | 2.70E-07  |
| chr20      | 51251001   | 51256000 | 4.43E-07  |
| chr20      | 51356001   | 51361000 | 0.000138091 |
| chr20      | 51375001   | 51380000 | 4.27E-06  |
| chr20      | 51376001   | 51381000 | 4.60E-07  |
| chr20      | 51377001   | 51382000 | 1.36E-07  |
| chr20      | 51470001   | 51475000 | 7.33E-12  |
| chr20      | 51507001   | 51512000 | 1.68E-05  |
| chr20      | 51562001   | 51567000 | 0.003737196 |
| chr20      | 51563001   | 51568000 | 0.00406082 |
| chr20      | 51584001   | 51589000 | 4.68E-13  |
| chr20      | 51585001   | 51590000 | 2.34E-16  |
| chr20      | 52272001   | 52277000 | 1.12E-29  |
| chr20      | 52273001   | 52278000 | 8.01E-31  |
| chr20      | 52274001   | 52279000 | 1.34E-31  |
| chr20      | 52275001   | 52280000 | 1.25E-24  |
| chr20      | 52276001   | 52281000 | 3.92E-20  |
| chr20      | 52823001   | 52828000 | 8.26E-33  |
| chr20      | 53323001   | 53328000 | 9.37E-05  |
| chr20      | 53332001   | 53337000 | 1.67E-05  |
| chr20      | 53604001   | 53609000 | 3.94E-07  |
| chr20      | 53605001   | 53610000 | 0.015239463 |
| chr20      | 53654001   | 53659000 | 3.42E-06  |
| chr20      | 53834001   | 53839000 | 1.25E-06  |
| chr20      | 53835001   | 53840000 | 9.71E-06  |
| chr20      | 53916001   | 53921000 | 0.002382348 |
| chr20      | 53927001   | 53932000 | 0.000158238 |
| chr20      | 53997001   | 54002000 | 0.007211201 |
| chr20      | 54006001   | 54011000 | 1.47E-05  |
| chr20      | 54171001   | 54176000 | 6.71E-07  |
| chr20      | 54325001   | 54330000 | 0.000553491 |
| chr20      | 54424001   | 54429000 | 0.00039729 |
| chr20      | 54437001   | 54442000 | 0.005203098 |
| chr20      | 54438001   | 54443000 | 0.000428816 |
| chr20      | 54439001   | 54444000 | 0.000153078 |
| chr20      | 54516001   | 54521000 | 1.39E-05  |
| Gene | Start Position | End Position | P-value |
|------|----------------|--------------|---------|
| chr20| 54517001       | 54522000     | 4.04E-05 |
| chr20| 54564001       | 54569000     | 1.37E-06 |
| chr20| 54565001       | 54570000     | 1.92E-09 |
| chr20| 54566001       | 54571000     | 2.00E-13 |
| chr20| 54567001       | 54572000     | 4.21E-14 |
| chr20| 54568001       | 54573000     | 4.28E-07 |
| chr20| 54678001       | 54692000     | 1.28E-07 |
| chr20| 54688001       | 54693000     | 2.51E-08 |
| chr20| 54690001       | 54694000     | 7.16E-07 |
| chr20| 54858001       | 54863000     | 0.000883287 |
| chr20| 55039001       | 55044000     | 4.34E-20 |
| chr20| 55043001       | 55048000     | 9.27E-26 |
| chr20| 55841001       | 55846000     | 1.52E-12 |
| chr20| 55925001       | 55930000     | 3.65E-22 |
| chr20| 55926001       | 55931000     | 1.36E-20 |
| chr20| 56960001       | 56965000     | 9.60E-39 |
| chr20| 56961001       | 56966000     | 3.88E-34 |
| chr20| 56962001       | 56967000     | 3.47E-33 |
| chr20| 56964001       | 56969000     | 2.45E-24 |
| chr20| 57221001       | 57226000     | 1.73E-36 |
| chr20| 57222001       | 57227000     | 1.11E-26 |
| chr20| 57466001       | 57471000     | 3.25E-31 |
| chr20| 57552001       | 57557000     | 6.13E-10 |
| chr20| 57553001       | 57558000     | 2.39E-20 |
| chr20| 57555001       | 57560000     | 1.09E-14 |
| chr20| 57556001       | 57561000     | 2.51E-23 |
| chr20| 57603001       | 57608000     | 8.13E-80 |
| chr20| 57604001       | 57609000     | 2.84E-77 |
| chr20| 57605001       | 57610000     | 1.79E-63 |
| chr20| 57606001       | 57611000     | 1.37E-56 |
| chr20| 57607001       | 57612000     | 1.57E-66 |
| chr20| 58245001       | 58250000     | 3.64E-16 |
| chr20| 58246001       | 58251000     | 7.88E-11 |
| chr20| 58247001       | 58252000     | 5.19E-07 |
| chr20| 58370001       | 58375000     | 0.013632134 |
| chr20| 58501001       | 58506000     | 0.00870286 |
| chr20| 58509001       | 58514000     | 2.25E-33 |
| chr20| 58511001       | 58516000     | 4.14E-16 |
| chr20| 58515001       | 58520000     | 1.05E-29 |
| chr20| 58565001       | 58570000     | 1.04E-21 |
| chr20| 58591001       | 58596000     | 0.000613411 |
| chr20| 58766001       | 58771000     | 8.00E-08 |
| chr20| 58768001       | 58773000     | 4.99E-09 |
| chr20| 58774001       | 58779000     | 7.26E-06 |
| chr20| 58988001       | 58993000     | 3.48E-06 |
| chr20| 58993001       | 58998000     | 1.28E-07 |
| chr20| 59089001       | 59094000     | 9.75E-05 |
| chr20| 59090001       | 59095000     | 3.75E-08 |
| chr21 | 10174001 | 10179000 | 6.80E-09 |
|--------|----------|----------|----------|
| chr21 | 10368001 | 10373000 | 1.96E-05 |
| chr21 | 10369001 | 10374000 | 2.54E-06 |
| chr21 | 10370001 | 10375000 | 2.54E-06 |
| chr21 | 10607001 | 10612000 | 2.08E-35 |
| chr21 | 10813001 | 10818000 | 3.05E-31 |
| chr21 | 10814001 | 10819000 | 1.27E-37 |
| chr21 | 10815001 | 10820000 | 1.06E-36 |
| chr21 | 10816001 | 10821000 | 1.45E-25 |
| chr21 | 10817001 | 10822000 | 6.19E-24 |
| chr21 | 10818001 | 10823000 | 3.34E-16 |
| chr21 | 10819001 | 10824000 | 4.51E-08 |
| chr21 | 10820001 | 10825000 | 1.05E-10 |
| chr21 | 10821001 | 10826000 | 1.33E-14 |
| chr21 | 10822001 | 10827000 | 3.33E-15 |
| chr21 | 10823001 | 10828000 | 3.90E-17 |
| chr21 | 10824001 | 10829000 | 3.64E-18 |
| chr21 | 10831001 | 10836000 | 3.56E-19 |
| chr21 | 10836001 | 10841000 | 4.47E-12 |
| chr21 | 10837001 | 10842000 | 3.59E-18 |
| chr21 | 10838001 | 10843000 | 2.29E-11 |
| chr21 | 10854001 | 10859000 | 8.76E-21 |
| chr21 | 14474001 | 14479000 | 6.75E-06 |
| chr21 | 14475001 | 14480000 | 0.00178036 |
| chr21 | 14476001 | 14481000 | 7.30E-06 |
| chr21 | 14576001 | 14581000 | 0.000255695 |
| chr21 | 14589001 | 14594000 | 0.000506495 |
| chr21 | 14590001 | 14595000 | 0.011148227 |
| chr21 | 14591001 | 14596000 | 0.009771707 |
| chr21 | 14622001 | 14627000 | 0.000631914 |
| chr21 | 14649001 | 14654000 | 0.004532357 |
| chr21 | 14650001 | 14655000 | 0.001405947 |
| chr21 | 14651001 | 14656000 | 0.000136185 |
| chr21 | 14652001 | 14657000 | 0.000715421 |
| chr21 | 14760001 | 14765000 | 0.000437357 |
| chr21 | 15204001 | 15209000 | 0.004117947 |
| chr21 | 15348001 | 15353000 | 2.52E-27 |
| chr21 | 15349001 | 15354000 | 7.83E-24 |
| chr21 | 15350001 | 15355000 | 4.59E-19 |
| chr21 | 15351001 | 15356000 | 1.42E-17 |
| chr21 | 15352001 | 15357000 | 2.15E-05 |
| chr21 | 15395001 | 15400000 | 6.82E-15 |
| chr21 | 15396001 | 15401000 | 2.85E-13 |
| chr21 | 15397001 | 15402000 | 2.38E-16 |
| chr21 | 15398001 | 15403000 | 2.24E-29 |
| chr21 | 15399001 | 15404000 | 3.53E-32 |
| chr21 | 15400001 | 15405000 | 1.00E-12 |
| chr21 | 15535001 | 15540000 | 1.12E-14 |
| Chromosome | Start | End   | p-value  |
|------------|-------|-------|----------|
| chr21      | 15536001 | 15541000 | 7.89E-15 |
| chr21      | 15563001 | 15568000 | 0.00788925 |
| chr21      | 15564001 | 15569000 | 3.21E-05 |
| chr21      | 15587001 | 15592000 | 3.95E-40 |
| chr21      | 15588001 | 15593000 | 3.19E-42 |
| chr21      | 15618001 | 15623000 | 0.000567503 |
| chr21      | 15619001 | 15624000 | 0.002063438 |
| chr21      | 15642001 | 15647000 | 1.06E-26 |
| chr21      | 15643001 | 15648000 | 4.29E-26 |
| chr21      | 15644001 | 15649000 | 4.45E-26 |
| chr21      | 15645001 | 15650000 | 7.00E-19 |
| chr21      | 15667001 | 15672000 | 0.002482376 |
| chr21      | 15668001 | 15673000 | 0.001208503 |
| chr21      | 15673001 | 15678000 | 0.001962393 |
| chr21      | 15684001 | 15689000 | 1.15E-05 |
| chr21      | 15690001 | 15695000 | 6.34E-06 |
| chr21      | 15691001 | 15696000 | 3.98E-06 |
| chr21      | 15692001 | 15697000 | 3.74E-06 |
| chr21      | 15693001 | 15698000 | 1.54E-08 |
| chr21      | 15716001 | 15721000 | 4.96E-13 |
| chr21      | 15717001 | 15722000 | 2.01E-15 |
| chr21      | 15718001 | 15723000 | 1.91E-14 |
| chr21      | 15719001 | 15724000 | 1.88E-08 |
| chr21      | 15751001 | 15756000 | 1.22E-60 |
| chr21      | 15752001 | 15757000 | 2.40E-64 |
| chr21      | 15753001 | 15758000 | 9.66E-64 |
| chr21      | 15754001 | 15759000 | 7.84E-61 |
| chr21      | 15755001 | 15760000 | 6.82E-55 |
| chr21      | 15756001 | 15761000 | 2.61E-12 |
| chr21      | 15776001 | 15781000 | 0.01103767 |
| chr21      | 15793001 | 15798000 | 1.14E-05 |
| chr21      | 15842001 | 15847000 | 0.00414736 |
| chr21      | 15843001 | 15848000 | 0.00535021 |
| chr21      | 15933001 | 15938000 | 0.002778222 |
| chr21      | 15949001 | 15954000 | 0.000764801 |
| chr21      | 15950001 | 15955000 | 0.00048307 |
| chr21      | 15951001 | 15956000 | 0.000610009 |
| chr21      | 15952001 | 15957000 | 0.000450345 |
| chr21      | 16038001 | 16043000 | 0.011647921 |
| chr21      | 16068001 | 16073000 | 0.000625757 |
| chr21      | 16816001 | 16821000 | 7.54E-05 |
| chr21      | 16889001 | 16894000 | 5.53E-06 |
| chr21      | 16897001 | 16902000 | 0.003619235 |
| chr21      | 16926001 | 16931000 | 4.12E-06 |
| chr21      | 16927001 | 16932000 | 1.21E-06 |
| chr21      | 16928001 | 16933000 | 1.62E-05 |
| chr21      | 17098001 | 17103000 | 3.80E-62 |
| chr21      | 17099001 | 17104000 | 6.85E-41 |
| Chr | Start | End   | p-value  |
|-----|-------|-------|----------|
| chr21 | 17100001 | 17105000 | 1.74E-39 |
| chr21 | 17322001 | 17327000 | 4.00E-09 |
| chr21 | 17323001 | 17328000 | 4.04E-10 |
| chr21 | 17326001 | 17331000 | 1.21E-07 |
| chr21 | 17437001 | 17442000 | 8.59E-06 |
| chr21 | 17438001 | 17443000 | 4.74E-06 |
| chr21 | 17507001 | 17512000 | 0.000507788 |
| chr21 | 17521001 | 17526000 | 1.28E-07 |
| chr21 | 17522001 | 17527000 | 2.41E-09 |
| chr21 | 17523001 | 17528000 | 5.42E-09 |
| chr21 | 17524001 | 17529000 | 4.74E-09 |
| chr21 | 17525001 | 17530000 | 3.32E-08 |
| chr21 | 17548001 | 17553000 | 8.40E-10 |
| chr21 | 17551001 | 17556000 | 7.85E-08 |
| chr21 | 17552001 | 17557000 | 3.22E-07 |
| chr21 | 17553001 | 17558000 | 0.002507921 |
| chr21 | 17560001 | 17565000 | 3.49E-05 |
| chr21 | 17561001 | 17566000 | 3.34E-05 |
| chr21 | 17562001 | 17567000 | 0.00196749 |
| chr21 | 17575001 | 17580000 | 1.77E-05 |
| chr21 | 17579001 | 17584000 | 1.69E-05 |
| chr21 | 17581001 | 17586000 | 5.21E-06 |
| chr21 | 17673001 | 17678000 | 0.000174217 |
| chr21 | 17716001 | 17721000 | 0.022848129 |
| chr21 | 17726001 | 17731000 | 1.79E-07 |
| chr21 | 17740001 | 17745000 | 0.00138925 |
| chr21 | 17751001 | 17756000 | 8.83E-10 |
| chr21 | 17752001 | 17757000 | 1.00E-09 |
| chr21 | 17850001 | 17855000 | 0.000674661 |
| chr21 | 17851001 | 17856000 | 0.00022761 |
| chr21 | 18003001 | 18008000 | 1.37E-05 |
| chr21 | 18004001 | 18009000 | 9.56E-05 |
| chr21 | 18005001 | 18010000 | 8.89E-07 |
| chr21 | 18033001 | 18038000 | 2.61E-05 |
| chr21 | 18034001 | 18039000 | 1.36E-05 |
| chr21 | 18052001 | 18057000 | 0.017116647 |
| chr21 | 18053001 | 18058000 | 0.012320454 |
| chr21 | 18088001 | 18093000 | 0.000114022 |
| chr21 | 18089001 | 18094000 | 3.06E-05 |
| chr21 | 18104001 | 18109000 | 1.04E-05 |
| chr21 | 18105001 | 18110000 | 3.47E-08 |
| chr21 | 18123001 | 18128000 | 0.00268188 |
| chr21 | 18150001 | 18155000 | 5.42E-05 |
| chr21 | 18151001 | 18156000 | 8.34E-08 |
| chr21 | 18152001 | 18157000 | 1.73E-12 |
| chr21 | 18153001 | 18158000 | 7.71E-11 |
| chr21 | 18154001 | 18159000 | 4.50E-09 |
| chr21 | 18156001 | 18161000 | 1.23E-05 |
| Chromosome | Start Position | End Position | p-value   |
|------------|----------------|--------------|-----------|
| chr21      | 18606001       | 18610000     | 0.014450123 |
| chr21      | 18610001       | 18615000     | 2.54E-11   |
| chr21      | 18611001       | 18616000     | 6.44E-10   |
| chr21      | 18612001       | 18617000     | 2.10E-09   |
| chr21      | 18613001       | 18618000     | 2.10E-09   |
| chr21      | 18614001       | 18619000     | 2.39E-06   |
| chr21      | 18615001       | 18620000     | 0.000238258 |
| chr21      | 18657001       | 18662000     | 9.44E-06   |
| chr21      | 18713001       | 18718000     | 0.008517656 |
| chr21      | 18714001       | 18719000     | 0.000835403 |
| chr21      | 18985001       | 18990000     | 3.12E-17   |
| chr21      | 19059001       | 19064000     | 2.89E-10   |
| chr21      | 19060001       | 19065000     | 8.91E-13   |
| chr21      | 19139001       | 19144000     | 1.31E-06   |
| chr21      | 19140001       | 19145000     | 3.21E-13   |
| chr21      | 19141001       | 19146000     | 3.61E-11   |
| chr21      | 19231001       | 19236000     | 0.001826739 |
| chr21      | 19578001       | 19583000     | 2.58E-06   |
| chr21      | 19613001       | 19618000     | 2.49E-24   |
| chr21      | 19614001       | 19619000     | 1.21E-31   |
| chr21      | 19615001       | 19620000     | 8.01E-41   |
| chr21      | 19616001       | 19621000     | 6.18E-32   |
| chr21      | 19617001       | 19622000     | 7.39E-30   |
| chr21      | 19618001       | 19623000     | 5.95E-17   |
| chr21      | 19932001       | 19937000     | 0.000122876 |
| chr21      | 19933001       | 19938000     | 2.78E-05   |
| chr21      | 20102001       | 20109000     | 0.000945841 |
| chr21      | 21073001       | 21078000     | 0.002347203 |
| chr21      | 21074001       | 21079000     | 0.003183702 |
| chr21      | 21282001       | 21287000     | 0.005691385 |
| chr21      | 21327001       | 21332000     | 0.000189953 |
| chr21      | 21429001       | 21434000     | 2.51E-11   |
| chr21      | 21430001       | 21435000     | 6.46E-08   |
| chr21      | 21431001       | 21436000     | 3.95E-05   |
| chr21      | 21432001       | 21437000     | 1.87E-06   |
| chr21      | 21433001       | 21438000     | 2.90E-06   |
| chr21      | 21604001       | 21609000     | 0.000226533 |
| chr21      | 21621001       | 21626000     | 0.00085881  |
| chr21      | 22340001       | 22345000     | 0.003053986 |
| chr21      | 22366001       | 22371000     | 4.64E-28   |
| chr21      | 22367001       | 22372000     | 1.22E-18   |
| chr21      | 22617001       | 22622000     | 0.000275134 |
| chr21      | 22618001       | 22623000     | 0.003985442 |
| chr21      | 22683001       | 22688000     | 9.83E-05   |
| chr21      | 22684001       | 22689000     | 0.000435377 |
| chr21      | 22945001       | 22950000     | 0.01460047  |
| chr21      | 22946001       | 22951000     | 0.015038488 |
| chr21      | 23075001       | 23080000     | 0.002405005 |
| Chr  | Start | End   | p-value |
|------|-------|-------|---------|
| 21   | 23231 | 23260 | 0.000698475 |
| 21   | 23714 | 23719 | 0.002222954 |
| 21   | 23715 | 23720 | 7.71E-05   |
| 21   | 23716 | 23721 | 2.28E-05   |
| 21   | 23717 | 23722 | 2.45E-08   |
| 21   | 23759 | 23764 | 0.000584093 |
| 21   | 23760 | 23765 | 0.000976774 |
| 21   | 23762 | 23767 | 0.000420592 |
| 21   | 24616 | 24621 | 0.014631408 |
| 21   | 24994 | 24999 | 0.00045869 |
| 21   | 25341 | 25346 | 3.46E-15   |
| 21   | 25506 | 25511 | 0.021029925 |
| 21   | 25507 | 25512 | 0.019037647 |
| 21   | 25845 | 25850 | 1.67E-14   |
| 21   | 25846 | 25851 | 3.46E-12   |
| 21   | 26040 | 26045 | 0.01236453 |
| 21   | 26041 | 26046 | 0.002892886 |
| 21   | 26044 | 26049 | 0.00107017 |
| 21   | 26822 | 26827 | 2.68E-06   |
| 21   | 26823 | 26828 | 1.42E-06   |
| 21   | 26824 | 26829 | 1.92E-05   |
| 21   | 26897 | 26902 | 0.000208517 |
| 21   | 26907 | 26912 | 3.72E-05   |
| 21   | 26909 | 26914 | 0.00700938 |
| 21   | 26910 | 26915 | 0.000700938 |
| 21   | 26930 | 26935 | 3.45E-11   |
| 21   | 26931 | 26936 | 8.36E-22   |
| 21   | 26932 | 26937 | 5.96E-22   |
| 21   | 26933 | 26938 | 4.35E-21   |
| 21   | 26934 | 26939 | 8.99E-26   |
| 21   | 26975 | 26980 | 5.33E-41   |
| 21   | 27006 | 27011 | 8.20E-07   |
| 21   | 27007 | 27012 | 2.32E-21   |
| 21   | 27008 | 27013 | 2.14E-15   |
| 21   | 27009 | 27014 | 2.72E-16   |
| 21   | 27011 | 27016 | 3.68E-15   |
| 21   | 27012 | 27017 | 2.51E-14   |
| 21   | 27032 | 27037 | 2.35E-06   |
| 21   | 27033 | 27038 | 0.000247194 |
| 21   | 28212 | 28217 | 5.21E-34   |
| 21   | 28213 | 28218 | 3.72E-40   |
| 21   | 28256 | 28261 | 7.71E-07   |
| 21   | 28257 | 28262 | 2.95E-08   |
| 21   | 28258 | 28263 | 1.64E-06   |
| 21   | 28268 | 28273 | 5.59E-05   |
| 21   | 28339 | 28344 | 7.35E-20   |
| 21   | 28349 | 28354 | 4.84E-07   |
| 21   | 28377 | 28382 | 0.001464848 |
chr21  28405001  28410000  2.13E-05
chr21  28423001  28428000  2.06E-06
chr21  28424001  28429000  4.51E-07
chr21  28537001  28542000  0.001269189
chr21  28538001  28543000  0.008344979
chr21  28552001  28557000  0.000675688
chr21  28553001  28558000  0.007881966
chr21  28564001  28569000  0.002213986
chr21  28580001  28585000  1.67E-09
chr21  28590001  28595000  0.00016683
chr21  28591001  28596000  0.000331074
chr21  28600001  28605000  0.000106628
chr21  28601001  28606000  0.000273594
chr21  28640001  28645000  0.000328565
chr21  28642001  28647000  8.75E-07
chr21  28650001  28655000  0.000447772
chr21  28652001  28657000  0.00057542
| chr21 | 29440001 | 29445000 | 9.24E-06 |
| chr21 | 29445001 | 29460000 | 5.11E-12 |
| chr21 | 29450001 | 29461000 | 9.53E-10 |
| chr21 | 29457001 | 29462000 | 3.13E-10 |
| chr21 | 29471001 | 29476000 | 4.31E-06 |
| chr21 | 29472001 | 29477000 | 6.13E-05 |
| chr21 | 29497001 | 29502000 | 0.000254421 |
| chr21 | 29500001 | 29505000 | 2.75E-09 |
| chr21 | 29501001 | 29506000 | 1.16E-07 |
| chr21 | 29503001 | 29508000 | 2.94E-05 |
| chr21 | 29560001 | 29565000 | 0.000455784 |
| chr21 | 29561001 | 29566000 | 7.1E-05 |
| chr21 | 29564001 | 29569000 | 1.81E-05 |
| chr21 | 29565001 | 29570000 | 0.000647657 |
| chr21 | 29595001 | 29600000 | 2.98E-05 |
| chr21 | 29600001 | 29601000 | 4.26E-05 |
| chr21 | 29597001 | 29602000 | 7.07E-05 |
| chr21 | 29608001 | 29613000 | 0.004000838 |
| chr21 | 29688001 | 29693000 | 0.000490485 |
| chr21 | 29689001 | 29694000 | 8.49E-07 |
| chr21 | 29777001 | 29782000 | 6.16E-06 |
| chr21 | 29778001 | 29783000 | 1.16E-07 |
| chr21 | 29779001 | 29784000 | 0.000136135 |
| chr21 | 29878001 | 29883000 | 0.001477116 |
| chr21 | 29879001 | 29884000 | 0.001729045 |
| chr21 | 29885001 | 29890000 | 0.000182325 |
| chr21 | 29886001 | 29891000 | 6.11E-06 |
| chr21 | 29887001 | 29892000 | 6.28E-10 |
| chr21 | 29888001 | 29893000 | 9.09E-07 |
| chr21 | 29889001 | 29894000 | 2.26E-06 |
| chr21 | 29890001 | 29895000 | 3.09E-08 |
| chr21 | 29891001 | 29896000 | 1.13E-08 |
| chr21 | 29892001 | 29897000 | 1.39E-07 |
| chr21 | 29893001 | 29898000 | 2.15E-09 |
| chr21 | 29894001 | 29899000 | 1.80E-12 |
| chr21 | 29929001 | 29934000 | 1.86E-07 |
| chr21 | 29930001 | 29935000 | 1.39E-06 |
| chr21 | 29947001 | 29952000 | 3.02E-05 |
| chr21 | 29962001 | 29967000 | 0.000209978 |
| chr21 | 30037001 | 30042000 | 3.83E-05 |
| chr21 | 30038001 | 30043000 | 4.52E-12 |
| chr21 | 30039001 | 30044000 | 9.08E-06 |
| chr21 | 30069001 | 30074000 | 0.00621463 |
| chr21 | 30070001 | 30075000 | 6.82E-07 |
| chr21 | 30071001 | 30076000 | 1.69E-07 |
| chr21 | 30090001 | 30095000 | 0.001120167 |
| chr21 | 30098001 | 30103000 | 8.51E-08 |
| chr21 | 30142001 | 30147000 | 0.00767522 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chr21      | 30143001       | 30148000     | 0.000200964 |
| chr21      | 30157001       | 30162000     | 2.75E-10 |
| chr21      | 30158001       | 30163000     | 2.77E-07 |
| chr21      | 30159001       | 30164000     | 0.000245942 |
| chr21      | 30179001       | 30184000     | 8.72E-08 |
| chr21      | 30180001       | 30185000     | 3.21E-10 |
| chr21      | 30181001       | 30186000     | 1.89E-07 |
| chr21      | 30213001       | 30218000     | 0.009421114 |
| chr21      | 30253001       | 30258000     | 2.12E-25 |
| chr21      | 30254001       | 30259000     | 6.97E-39 |
| chr21      | 30255001       | 30260000     | 9.31E-33 |
| chr21      | 30256001       | 30261000     | 4.49E-24 |
| chr21      | 30257001       | 30262000     | 1.83E-25 |
| chr21      | 30373001       | 30378000     | 1.39E-12 |
| chr21      | 30374001       | 30379000     | 4.01E-13 |
| chr21      | 30375001       | 30380000     | 7.36E-12 |
| chr21      | 30387001       | 30392000     | 1.67E-15 |
| chr21      | 30388001       | 30393000     | 1.20E-19 |
| chr21      | 30389001       | 30394000     | 1.55E-22 |
| chr21      | 30390001       | 30395000     | 1.29E-21 |
| chr21      | 30391001       | 30396000     | 2.72E-27 |
| chr21      | 30397001       | 30402000     | 8.42E-14 |
| chr21      | 30441001       | 30446000     | 8.04E-33 |
| chr21      | 30443001       | 30448000     | 9.17E-51 |
| chr21      | 30571001       | 30576000     | 0.001333413 |
| chr21      | 30912001       | 30917000     | 2.29E-07 |
| chr21      | 30913001       | 30918000     | 1.40E-06 |
| chr21      | 30914001       | 30919000     | 5.25E-09 |
| chr21      | 30915001       | 30920000     | 2.88E-08 |
| chr21      | 30916001       | 30921000     | 1.45E-08 |
| chr21      | 30938001       | 30943000     | 5.80E-06 |
| chr21      | 30952001       | 30957000     | 0.001865541 |
| chr21      | 31006001       | 31011000     | 9.46E-05 |
| chr21      | 31052001       | 31057000     | 6.72E-07 |
| chr21      | 31053001       | 31058000     | 2.78E-07 |
| chr21      | 31054001       | 31059000     | 0.000150036 |
| chr21      | 31063001       | 31068000     | 2.64E-08 |
| chr21      | 31111001       | 31116000     | 2.33E-07 |
| chr21      | 31112001       | 31117000     | 1.66E-07 |
| chr21      | 31114001       | 31119000     | 4.21E-07 |
| chr21      | 31115001       | 31120000     | 7.05E-07 |
| chr21      | 31162001       | 31167000     | 1.76E-05 |
| chr21      | 31171001       | 31176000     | 4.10E-05 |
| chr21      | 31181001       | 31186000     | 0.00046536 |
| chr21      | 31185001       | 31190000     | 2.73E-07 |
| chr21      | 31187001       | 31192000     | 0.007487388 |
| chr21      | 31220001       | 31225000     | 6.91E-09 |
| chr21      | 31222001       | 31227000     | 2.72E-06 |
| Chr  | Start  | End    | P-value     |
|------|--------|--------|-------------|
| chr21| 31225001 | 31230000 | 6.42E-06 |
| chr21| 31241001 | 31246000 | 1.40E-05 |
| chr21| 31307001 | 31312000 | 8.96E-24 |
| chr21| 31308001 | 31313000 | 1.72E-19 |
| chr21| 31321001 | 31326000 | 0.011035624 |
| chr21| 31369001 | 31374000 | 0.001876407 |
| chr21| 31384001 | 31439000 | 0.0001317 |
| chr21| 31350001 | 31440000 | 0.001420546 |
| chr21| 31482001 | 31487000 | 6.53E-09 |
| chr21| 31483001 | 31488000 | 6.53E-09 |
| chr21| 31484001 | 31489000 | 1.03E-05 |
| chr21| 31632001 | 31637000 | 5.11E-12 |
| chr21| 31633001 | 31638000 | 7.09E-15 |
| chr21| 31634001 | 31639000 | 5.23E-12 |
| chr21| 31635001 | 31640000 | 2.71E-13 |
| chr21| 31647001 | 31652000 | 0.002437431 |
| chr21| 31648001 | 31653000 | 0.001334432 |
| chr21| 31650001 | 31655000 | 4.14E-11 |
| chr21| 31686001 | 31691000 | 0.001275152 |
| chr21| 31719001 | 31724000 | 1.18E-07 |
| chr21| 31720001 | 31725000 | 1.10E-07 |
| chr21| 31749001 | 31754000 | 2.62E-05 |
| chr21| 31794001 | 31799000 | 0.000114098 |
| chr21| 31795001 | 31800000 | 0.003032935 |
| chr21| 31796001 | 31801000 | 0.001728332 |
| chr21| 31833001 | 31838000 | 0.000161485 |
| chr21| 31844001 | 31849000 | 0.000163176 |
| chr21| 31854001 | 31859000 | 0.000298024 |
| chr21| 31896001 | 31901000 | 0.000676647 |
| chr21| 31914001 | 31919000 | 0.000470034 |
| chr21| 31916001 | 31921000 | 3.30E-06 |
| chr21| 31917001 | 31922000 | 1.97E-06 |
| chr21| 31918001 | 31923000 | 0.001572678 |
| chr21| 32024001 | 32029000 | 0.001121255 |
| chr21| 32025001 | 32030000 | 4.55E-05 |
| chr21| 32026001 | 32031000 | 0.000148274 |
| chr21| 32027001 | 32032000 | 0.000603478 |
| chr21| 32028001 | 32033000 | 0.000828767 |
| chr21| 32029001 | 32034000 | 0.001734337 |
| chr21| 32110001 | 32115000 | 4.56E-20 |
| chr21| 32111001 | 32116000 | 1.77E-19 |
| chr21| 32112001 | 32117000 | 4.38E-17 |
| chr21| 32113001 | 32118000 | 1.99E-15 |
| chr21| 32137001 | 32142000 | 2.23E-07 |
| chr21| 32138001 | 32143000 | 3.26E-06 |
| chr21| 32139001 | 32144000 | 3.10E-06 |
| chr21| 32140001 | 32145000 | 5.69E-06 |
| chr21| 32174001 | 32179000 | 7.80E-12 |
| chrom | start | end   | p-value        |
|-------|-------|-------|----------------|
| chr21 | 32220001 | 32225000 | 6.17E-08       |
| chr21 | 32223001 | 32228000 | 4.16E-07       |
| chr21 | 32926001 | 32931000 | 4.84E-15       |
| chr21 | 32927001 | 32932000 | 2.48E-25       |
| chr21 | 32928001 | 32933000 | 8.53E-25       |
| chr21 | 32929001 | 32934000 | 7.75E-31       |
| chr21 | 32930001 | 32935000 | 2.14E-22       |
| chr21 | 32931001 | 32936000 | 5.72E-16       |
| chr21 | 33208001 | 33213000 | 2.07E-06       |
| chr21 | 33235001 | 33240000 | 9.76E-06       |
| chr21 | 33246001 | 33251000 | 2.86E-08       |
| chr21 | 33310001 | 33315000 | 1.27E-13       |
| chr21 | 33312001 | 33317000 | 7.10E-10       |
| chr21 | 33320001 | 33325000 | 2.25E-08       |
| chr21 | 33321001 | 33326000 | 3.36E-05       |
| chr21 | 33327001 | 33332000 | 1.65E-07       |
| chr21 | 33328001 | 33333000 | 6.38E-10       |
| chr21 | 33329001 | 33334000 | 1.19E-07       |
| chr21 | 33330001 | 33335000 | 1.18E-08       |
| chr21 | 33331001 | 33336000 | 2.29E-06       |
| chr21 | 33401001 | 33406000 | 4.23E-06       |
| chr21 | 33403001 | 33408000 | 1.10E-09       |
| chr21 | 33404001 | 33409000 | 1.61E-11       |
| chr21 | 33405001 | 33410000 | 7.27E-08       |
| chr21 | 33406001 | 33411000 | 1.49E-09       |
| chr21 | 33407001 | 33412000 | 4.48E-12       |
| chr21 | 33421001 | 33426000 | 0.000775743    |
| chr21 | 33529001 | 33534000 | 1.81E-12       |
| chr21 | 33530001 | 33535000 | 2.63E-11       |
| chr21 | 33598001 | 33603000 | 0.003932218    |
| chr21 | 33647001 | 33652000 | 5.37E-25       |
| chr21 | 33648001 | 33653000 | 8.36E-16       |
| chr21 | 33649001 | 33654000 | 6.18E-26       |
| chr21 | 33650001 | 33655000 | 2.93E-25       |
| chr21 | 33651001 | 33656000 | 1.03E-33       |
| chr21 | 33765001 | 33770000 | 4.99E-20       |
| chr21 | 33780001 | 33785000 | 9.06E-13       |
| chr21 | 33781001 | 33786000 | 4.05E-18       |
| chr21 | 33782001 | 33787000 | 1.22E-18       |
| chr21 | 33783001 | 33788000 | 3.45E-24       |
| chr21 | 33784001 | 33789000 | 5.26E-22       |
| chr21 | 33785001 | 33790000 | 8.45E-17       |
| chr21 | 33937001 | 33942000 | 2.88E-19       |
| chr21 | 33938001 | 33943000 | 9.13E-18       |
| chr21 | 33939001 | 33944000 | 1.60E-20       |
| chr21 | 33940001 | 33945000 | 7.74E-26       |
| chr21 | 33941001 | 33946000 | 2.37E-20       |
| chr21 | 34084001 | 34089000 | 0.00029102     |
| chr21 | 34139001 | 34144000 | 1.03E-33 |
| chr21 | 34140001 | 34145000 | 2.93E-40 |
| chr21 | 34157001 | 34162000 | 0.002641919 |
| chr21 | 34226001 | 34231000 | 0.000382437 |
| chr21 | 34264001 | 34269000 | 9.17E-09 |
| chr21 | 34265001 | 34270000 | 3.71E-11 |
| chr21 | 34266001 | 34271000 | 3.11E-07 |
| chr21 | 34281001 | 34286000 | 2.70E-06 |
| chr21 | 34282001 | 34287000 | 1.33E-06 |
| chr21 | 34283001 | 34288000 | 5.60E-06 |
| chr21 | 34284001 | 34289000 | 2.91E-05 |
| chr21 | 34289001 | 34294000 | 2.65E-06 |
| chr21 | 34290001 | 34295000 | 4.16E-07 |
| chr21 | 34291001 | 34296000 | 0.000261598 |
| chr21 | 34313001 | 34318000 | 2.30E-11 |
| chr21 | 34333001 | 34338000 | 4.06E-10 |
| chr21 | 34373001 | 34378000 | 1.16E-08 |
| chr21 | 34375001 | 34380000 | 4.99E-08 |
| chr21 | 34423001 | 34428000 | 2.15E-08 |
| chr21 | 34424001 | 34429000 | 1.35E-09 |
| chr21 | 34692001 | 34697000 | 7.07E-27 |
| chr21 | 34776001 | 34781000 | 3.03E-14 |
| chr21 | 34850001 | 34855000 | 1.01E-10 |
| chr21 | 34851001 | 34856000 | 4.90E-12 |
| chr21 | 34852001 | 34857000 | 7.41E-22 |
| chr21 | 34860001 | 34865000 | 6.81E-10 |
| chr21 | 34910001 | 34915000 | 1.34E-26 |
| chr21 | 34911001 | 34916000 | 1.48E-34 |
| chr21 | 34956001 | 34961000 | 7.19E-80 |
| chr21 | 34957001 | 34962000 | 2.63E-62 |
| chr21 | 34958001 | 34963000 | 1.05E-61 |
| chr21 | 34959001 | 34964000 | 3.34E-51 |
| chr21 | 34960001 | 34965000 | 1.10E-40 |
| chr21 | 34961001 | 34966000 | 5.88E-24 |
| chr21 | 35441001 | 35446000 | 2.50E-15 |
| chr21 | 35442001 | 35447000 | 1.69E-20 |
| chr21 | 35446001 | 35451000 | 1.74E-44 |
| chr21 | 35983001 | 35988000 | 6.10E-20 |
| chr21 | 35984001 | 35989000 | 7.67E-20 |
| chr21 | 35985001 | 35990000 | 1.63E-25 |
| chr21 | 35986001 | 35991000 | 7.65E-31 |
| chr21 | 35987001 | 35992000 | 4.11E-37 |
| chr21 | 36176001 | 36181000 | 2.90E-08 |
| chr21 | 36261001 | 36266000 | 1.15E-50 |
| chr21 | 36262001 | 36267000 | 1.66E-64 |
| chr21 | 36396001 | 36401000 | 1.66E-07 |
| chr21 | 36397001 | 36402000 | 1.15E-07 |
| chr21 | 36439001 | 36444000 | 8.76E-06 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|-------------|---------|
| chr21      | 36440001       | 36445000    | 7.01E-10|
| chr21      | 36560001       | 36565000    | 3.19E-05|
| chr21      | 36601001       | 36606000    | 4.58E-08|
| chr21      | 36602001       | 36607000    | 3.71E-06|
| chr21      | 36603001       | 36608000    | 7.56E-08|
| chr21      | 36604001       | 36609000    | 2.57E-11|
| chr21      | 36630001       | 36635000    | 3.19E-05|
| chr21      | 36601001       | 36606000    | 4.58E-08|
| chr21      | 36602001       | 36607000    | 3.71E-06|
| chr21      | 36603001       | 36608000    | 7.56E-08|
| chr21      | 36604001       | 36609000    | 2.57E-11|
| chr21      | 36855001       | 36860000    | 0.002081615|
| chr21      | 36886001       | 36891000    | 2.17E-10|
| chr21      | 36887001       | 36892000    | 5.76E-07|
| chr21      | 36888001       | 36893000    | 1.64E-10|
| chr21      | 36889001       | 36894000    | 4.44E-09|
| chr21      | 36914001       | 36919000    | 1.35E-05|
| chr21      | 36915001       | 36920000    | 5.77E-05|
| chr21      | 36917001       | 36922000    | 1.91E-05|
| chr21      | 36927001       | 36932000    | 6.71E-07|
| chr21      | 36991001       | 36996000    | 0.000620589|
| chr21      | 37066001       | 37071000    | 1.44E-06|
| chr21      | 37067001       | 37072000    | 3.36E-06|
| chr21      | 37073001       | 37078000    | 2.65E-09|
| chr21      | 37074001       | 37079000    | 2.14E-08|
| chr21      | 37085001       | 37090000    | 3.87E-09|
| chr21      | 37126001       | 37131000    | 9.84E-10|
| chr21      | 37127001       | 37132000    | 1.39E-09|
| chr21      | 37128001       | 37133000    | 3.93E-09|
| chr21      | 37132001       | 37137000    | 9.05E-07|
| chr21      | 37133001       | 37138000    | 6.03E-08|
| chr21      | 37134001       | 37139000    | 1.26E-07|
| chr21      | 37233001       | 37238000    | 4.88E-07|
| chr21      | 37287001       | 37292000    | 0.006418289|
| chr21      | 37332001       | 37337000    | 1.28E-06|
| chr21      | 37333001       | 37338000    | 1.15E-06|
| chr21      | 37334001       | 37339000    | 4.85E-07|
| chr21      | 37430001       | 37435000    | 3.40E-23|
| chr21      | 37431001       | 37436000    | 1.72E-24|
| chr21      | 37432001       | 37437000    | 1.92E-25|
| chr21      | 37438001       | 37443000    | 2.31E-21|
| chr21      | 37439001       | 37444000    | 4.62E-08|
| chr21      | 37440001       | 37445000    | 1.76E-20|
| chr21      | 37441001       | 37446000    | 1.97E-21|
| chr21      | 37442001       | 37447000    | 1.95E-16|
| chr21      | 37498001       | 37503000    | 7.54E-16|
| chr21      | 37499001       | 37504000    | 4.29E-17|
| chr21      | 37500001       | 37505000    | 3.81E-16|
| chr21      | 37501001       | 37506000    | 3.67E-13|
| Chromosome | Start Base | End Base | P-Value  |
|------------|------------|----------|----------|
| chr21      | 37524001   | 37529000 | 4.65E-25 |
| chr21      | 37526001   | 37531000 | 5.13E-26 |
| chr21      | 37527001   | 37532000 | 1.45E-14 |
| chr21      | 37528001   | 37533000 | 7.63E-13 |
| chr21      | 37529001   | 37534000 | 4.15E-11 |
| chr21      | 37691001   | 37696000 | 1.24E-11 |
| chr21      | 37692001   | 37697000 | 5.70E-17 |
| chr21      | 37753001   | 37758000 | 4.38E-30 |
| chr21      | 37754001   | 37759000 | 6.40E-25 |
| chr21      | 37755001   | 37760000 | 1.53E-17 |
| chr21      | 37756001   | 37761000 | 2.40E-17 |
| chr21      | 38118001   | 38123000 | 6.09E-38 |
| chr21      | 38119001   | 38124000 | 4.53E-33 |
| chr21      | 38120001   | 38125000 | 5.53E-35 |
| chr21      | 38334001   | 38339000 | 4.17E-40 |
| chr21      | 38335001   | 38340000 | 1.14E-40 |
| chr21      | 38336001   | 38341000 | 4.52E-21 |
| chr21      | 38337001   | 38342000 | 2.52E-24 |
| chr21      | 38338001   | 38343000 | 1.13E-41 |
| chr21      | 38351001   | 38356000 | 1.52E-06 |
| chr21      | 38352001   | 38357000 | 6.45E-06 |
| chr21      | 38353001   | 38358000 | 2.91E-05 |
| chr21      | 38358001   | 38363000 | 9.84E-14 |
| chr21      | 38360001   | 38365000 | 7.24E-14 |
| chr21      | 38361001   | 38366000 | 5.85E-21 |
| chr21      | 38362001   | 38367000 | 2.42E-15 |
| chr21      | 38375001   | 38380000 | 4.83E-11 |
| chr21      | 38440001   | 38445000 | 8.18E-20 |
| chr21      | 38441001   | 38446000 | 9.26E-49 |
| chr21      | 38442001   | 38447000 | 3.84E-52 |
| chr21      | 38443001   | 38448000 | 7.47E-19 |
| chr21      | 38445001   | 38450000 | 1.93E-25 |
| chr21      | 38446001   | 38451000 | 1.78E-38 |
| chr21      | 38486001   | 38491000 | 1.02E-06 |
| chr21      | 38588001   | 38593000 | 1.69E-16 |
| chr21      | 38589001   | 38594000 | 3.80E-47 |
| chr21      | 38590001   | 38595000 | 4.82E-86 |
| chr21      | 38591001   | 38596000 | 7.19E-68 |
| chr21      | 38592001   | 38597000 | 6.78E-59 |
| chr21      | 38593001   | 38598000 | 2.33E-47 |
| chr21      | 38626001   | 38631000 | 5.62E-10 |
| chr21      | 38627001   | 38632000 | 6.40E-11 |
| chr21      | 38628001   | 38633000 | 6.51E-19 |
| chr21      | 38629001   | 38634000 | 1.14E-15 |
| chr21      | 38630001   | 38635000 | 9.45E-14 |
| chr21      | 38931001   | 38936000 | 2.20E-15 |
| chr21      | 38932001   | 38937000 | 7.77E-42 |
| chr21      | 38933001   | 38938000 | 1.90E-38 |
| Chromosome | Start Base | End Base | P-value |
|------------|------------|----------|---------|
| chr21      | 38934001   | 38939000 | 3.37E-31|
| chr21      | 38935001   | 38940000 | 7.31E-08|
| chr21      | 39783001   | 39788000 | 2.79E-05|
| chr21      | 39886001   | 39891000 | 8.01E-06|
| chr21      | 39923001   | 39928000 | 7.13E-08|
| chr21      | 39924001   | 39929000 | 0.000104521|
| chr21      | 39925001   | 39930000 | 4.23E-05|
| chr21      | 39926001   | 39931000 | 3.38E-07|
| chr21      | 39966001   | 39971000 | 1.10E-12|
| chr21      | 39967001   | 39972000 | 6.68E-15|
| chr21      | 39968001   | 39973000 | 4.93E-15|
| chr21      | 39969001   | 39974000 | 3.78E-13|
| chr21      | 39987001   | 39992000 | 3.87E-05|
| chr21      | 39988001   | 39993000 | 3.05E-06|
| chr21      | 40000001   | 40005000 | 0.000108167|
| chr21      | 40011001   | 40016000 | 1.33E-05|
| chr21      | 40028001   | 40033000 | 6.97E-27|
| chr21      | 40032001   | 40037000 | 1.90E-18|
| chr21      | 40551001   | 40556000 | 6.43E-47|
| chr21      | 40555001   | 40560000 | 4.76E-36|
| chr21      | 40556001   | 40561000 | 3.42E-14|
| chr21      | 40566001   | 40571000 | 7.28E-05|
| chr21      | 40716001   | 40721000 | 3.99E-31|
| chr21      | 40717001   | 40722000 | 3.93E-34|
| chr21      | 40718001   | 40723000 | 3.04E-33|
| chr21      | 40719001   | 40724000 | 3.45E-25|
| chr21      | 40720001   | 40725000 | 1.28E-32|
| chr21      | 40721001   | 40726000 | 5.16E-14|
| chr21      | 40750001   | 40755000 | 6.37E-16|
| chr21      | 41333001   | 41338000 | 0.000719435|
| chr21      | 41887001   | 41892000 | 1.65E-05|
| chr21      | 42050001   | 42055000 | 7.39E-23|
| chr21      | 42214001   | 42219000 | 2.07E-13|
| chr21      | 42215001   | 42220000 | 4.34E-13|
| chr21      | 42216001   | 42221000 | 3.22E-10|
| chr21      | 42217001   | 42222000 | 1.27E-05|
| chr21      | 42218001   | 42223000 | 8.54E-07|
| chr21      | 42535001   | 42540000 | 4.14E-32|
| chr21      | 42536001   | 42541000 | 4.37E-50|
| chr21      | 42537001   | 42542000 | 7.61E-49|
| chr21      | 42538001   | 42543000 | 8.31E-32|
| chr21      | 42539001   | 42544000 | 1.03E-26|
| chr21      | 42540001   | 42545000 | 5.61E-27|
| chr21      | 42684001   | 42689000 | 4.24E-11|
| chr21      | 42685001   | 42690000 | 2.53E-09|
| chr21      | 42686001   | 42691000 | 1.69E-09|
| chr21      | 42798001   | 42803000 | 7.66E-16|
| chr21      | 42875001   | 42880000 | 4.39E-08|
| Chr  | Start  | End    | p-value  |
|------|--------|--------|----------|
| chr21| 42946001 | 42951000 | 0.00256962 |
| chr21| 43299001 | 43304000 | 5.91E-34 |
| chr21| 43372001 | 43377000 | 3.83E-10 |
| chr21| 43373001 | 43380000 | 4.76E-10 |
| chr21| 43425001 | 43430000 | 2.00E-76 |
| chr21| 43426001 | 43431000 | 5.47E-42 |
| chr21| 43427001 | 43432000 | 4.33E-50 |
| chr21| 43428001 | 43433000 | 4.33E-10 |
| chr21| 43431001 | 43436000 | 1.17E-28 |
| chr21| 43912001 | 43917000 | 5.63E-45 |
| chr21| 43913001 | 43918000 | 5.84E-49 |
| chr21| 43914001 | 43919000 | 1.42E-30 |
| chr21| 43915001 | 43920000 | 4.31E-29 |
| chr21| 43916001 | 43921000 | 7.16E-32 |
| chr21| 44242001 | 44247000 | 1.62E-05 |
| chr21| 44313001 | 44318000 | 3.44E-09 |
| chr21| 44392001 | 44397000 | 3.03E-07 |
| chr21| 44393001 | 44398000 | 8.64E-10 |
| chr21| 44394001 | 44399000 | 8.97E-22 |
| chr21| 44395001 | 44400000 | 2.71E-10 |
| chr21| 44491001 | 44496000 | 1.49E-16 |
| chr21| 44492001 | 44497000 | 7.65E-24 |
| chr21| 44493001 | 44498000 | 4.69E-31 |
| chr21| 44845001 | 44850000 | 1.03E-16 |
| chr21| 44846001 | 44851000 | 9.06E-28 |
| chr21| 44847001 | 44852000 | 3.62E-16 |
| chr21| 45196001 | 45201000 | 9.79E-11 |
| chr21| 45280001 | 45285000 | 4.39E-07 |
| chr21| 45281001 | 45286000 | 1.35E-13 |
| chr21| 45282001 | 45287000 | 3.77E-05 |
| chr21| 45333001 | 45338000 | 1.69E-19 |
| chr21| 45334001 | 45339000 | 6.92E-18 |
| chr21| 45432001 | 45437000 | 8.37E-33 |
| chr21| 45524001 | 45529000 | 2.36E-26 |
| chr21| 45525001 | 45530000 | 3.36E-13 |
| chr21| 45527001 | 45532000 | 9.26E-13 |
| chr21| 45715001 | 45720000 | 0.00183411 |
| chr21| 45719001 | 45724000 | 5.87E-18 |
| chr21| 45756001 | 45761000 | 9.90E-14 |
| chr21| 45757001 | 45762000 | 2.53E-17 |
| chr21| 45758001 | 45763000 | 1.26E-11 |
| chr21| 45759001 | 45764000 | 4.70E-16 |
| chr21| 45871001 | 45876000 | 8.33E-19 |
| chr21| 46217001 | 46222000 | 7.79E-46 |
| chr21| 46218001 | 46223000 | 2.10E-16 |
| chr21| 46219001 | 46224000 | 2.59E-29 |
| Chromosome | Start | End   | Score  |
|------------|-------|-------|--------|
| chr21      | 46220001 | 46225000 | 4.34E-27   |
| chr21      | 46221001 | 46226000 | 3.04E-34   |
| chr21      | 46222001 | 46227000 | 3.88E-11   |
| chr21      | 46236001 | 46241000 | 7.59E-08   |
| chr21      | 46237001 | 46242000 | 4.45E-09   |
| chr21      | 46288001 | 46293000 | 1.94E-15   |
| chr21      | 46289001 | 46294000 | 1.79E-23   |
| chr21      | 46351001 | 46356000 | 3.77E-07   |
| chr21      | 46357001 | 46362000 | 6.57E-27   |
| chr21      | 46704001 | 46709000 | 1.63E-30   |
| chr21      | 46705001 | 46710000 | 5.58E-57   |
| chr21      | 46706001 | 46711000 | 5.96E-29   |
| chr21      | 46707001 | 46712000 | 1.86E-11   |
| chr21      | 46821001 | 46826000 | 2.28E-14   |
| chr21      | 47006001 | 47011000 | 5.77E-11   |
| chr21      | 47007001 | 47012000 | 4.67E-13   |
| chr21      | 47008001 | 47013000 | 2.44E-13   |
| chr21      | 47103001 | 47108000 | 0.000189067 |
| chr21      | 47104001 | 47109000 | 0.005429213 |
| chr21      | 47105001 | 47110000 | 0.001841402 |
| chr21      | 47106001 | 47111000 | 0.000584556 |
| chr21      | 47108001 | 47113000 | 0.001979918 |
| chr21      | 47148001 | 47153000 | 0.00459928  |
| chr21      | 47303001 | 47308000 | 6.60E-24   |
| chr21      | 47504001 | 47509000 | 3.27E-11   |
| chr21      | 47505001 | 47510000 | 4.69E-15   |
| chr21      | 47649001 | 47654000 | 5.73E-14   |
| chr21      | 47742001 | 47747000 | 8.48E-19   |
| chr21      | 47743001 | 47748000 | 6.50E-16   |
| chr22      | 16321001 | 16326000 | 0.000177785 |
| chr22      | 16322001 | 16327000 | 0.000177785 |
| chr22      | 16323001 | 16328000 | 0.000177785 |
| chr22      | 16324001 | 16329000 | 0.000492303 |
| chr22      | 16354001 | 16359000 | 0.000133481 |
| chr22      | 16356001 | 16361000 | 3.46E-05   |
| chr22      | 16394001 | 16399000 | 0.000159971 |
| chr22      | 16456001 | 16461000 | 1.29E-05   |
| chr22      | 16469001 | 16474000 | 9.17E-05   |
| chr22      | 16470001 | 16475000 | 0.001067413 |
| chr22      | 16515001 | 16520000 | 0.001144135 |
| chr22      | 16516001 | 16521000 | 0.000353825 |
| chr22      | 16534001 | 16539000 | 3.62E-09   |
| chr22      | 16562001 | 16567000 | 0.005551673 |
| chr22      | 16576001 | 16581000 | 0.000401873 |
| chr22      | 16577001 | 16582000 | 0.000103907 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chr22      | 16578001       | 16583000     | 8.52E-05|
| chr22      | 16579001       | 16584000     | 8.51E-06|
| chr22      | 16580001       | 16585000     | 9.32E-06|
| chr22      | 16606001       | 16611000     | 3.00E-12|
| chr22      | 17219001       | 17224000     | 2.82E-06|
| chr22      | 17460001       | 17465000     | 1.52E-09|
| chr22      | 17461001       | 17466000     | 1.72E-06|
| chr22      | 17562001       | 17567000     | 1.38E-18|
| chr22      | 17563001       | 17568000     | 4.23E-18|
| chr22      | 17635001       | 17640000     | 5.63E-38|
| chr22      | 17636001       | 17641000     | 5.75E-46|
| chr22      | 17637001       | 17642000     | 9.55E-28|
| chr22      | 17638001       | 17643000     | 7.74E-24|
| chr22      | 18121001       | 18126000     | 4.01E-39|
| chr22      | 18483001       | 18488000     | 2.12E-47|
| chr22      | 18484001       | 18490000     | 4.05E-34|
| chr22      | 18502001       | 18507000     | 3.22E-19|
| chr22      | 18503001       | 18508000     | 4.52E-15|
| chr22      | 18504001       | 18509000     | 6.40E-20|
| chr22      | 18505001       | 18510000     | 3.22E-27|
| chr22      | 18506001       | 18511000     | 5.52E-32|
| chr22      | 18507001       | 18512000     | 5.13E-28|
| chr22      | 19274001       | 19279000     | 2.68E-27|
| chr22      | 19419001       | 19424000     | 1.21E-28|
| chr22      | 19435001       | 19440000     | 1.71E-27|
| chr22      | 19925001       | 19930000     | 3.32E-33|
| chr22      | 19970001       | 19975000     | 2.02E-05|
| chr22      | 21267001       | 21272000     | 1.03E-14|
| chr22      | 21356001       | 21361000     | 1.25E-21|
| chr22      | 21918001       | 21923000     | 7.88E-20|
| chr22      | 21980001       | 21985000     | 6.09E-15|
| chr22      | 21981001       | 21986000     | 2.64E-15|
| chr22      | 22007001       | 22012000     | 2.92E-18|
| chr22      | 22862001       | 22867000     | 1.24E-17|
| chr22      | 23170001       | 23175000     | 1.34E-07|
| chr22      | 23346001       | 23351000     | 0.000355651|
| chr22      | 23411001       | 23416000     | 2.44E-19|
| chr22      | 23412001       | 23417000     | 3.72E-28|
| chr22      | 24059001       | 24064000     | 1.43E-20|
| chr22      | 24196001       | 24201000     | 3.11E-38|
| chr22      | 24197001       | 24202000     | 1.29E-55|
| chr22      | 24198001       | 24203000     | 4.14E-51|
| chr22      | 24199001       | 24204000     | 6.72E-29|
| chr22      | 24373001       | 24378000     | 3.07E-13|
| chr22      | 24383001       | 24388000     | 9.04E-09|
| chr22      | 24384001       | 24389000     | 1.32E-17|
| chr22      | 24403001       | 24408000     | 1.57E-15|
| chr22      | 24405001       | 24410000     | 2.78E-31|
| Chr  | Start     | End       | p-value |
|------|-----------|-----------|---------|
| chr22| 24406001  | 24411000  | 6.20E-36|
| chr22| 24407001  | 24412000  | 1.61E-40|
| chr22| 24548001  | 24553000  | 5.54E-25|
| chr22| 24663001  | 24668000  | 7.29E-28|
| chr22| 24665001  | 24670000  | 2.64E-45|
| chr22| 24666001  | 24671000  | 4.21E-60|
| chr22| 24667001  | 24672000  | 2.55E-48|
| chr22| 24946001  | 24951000  | 1.61E-13|
| chr22| 24984001  | 24989000  | 8.88E-11|
| chr22| 25345001  | 25350000  | 1.74E-34|
| chr22| 25346001  | 25351000  | 7.76E-26|
| chr22| 25347001  | 25352000  | 9.57E-27|
| chr22| 25503001  | 25508000  | 5.38E-20|
| chr22| 25960001  | 25965000  | 1.39E-38|
| chr22| 26878001  | 26883000  | 7.77E-35|
| chr22| 26879001  | 26884000  | 3.30E-34|
| chr22| 26908001  | 26913000  | 4.88E-35|
| chr22| 27269001  | 27274000  | 0.00227784|
| chr22| 28310001  | 28315000  | 4.27E-37|
| chr22| 28311001  | 28316000  | 1.81E-50|
| chr22| 28312001  | 28317000  | 7.34E-37|
| chr22| 28313001  | 28318000  | 2.98E-54|
| chr22| 28314001  | 28319000  | 3.75E-87|
| chr22| 28315001  | 28320000  | 2.00E-102|
| chr22| 28773001  | 28778000  | 0.003966008|
| chr22| 28976001  | 28981000  | 0.000938528|
| chr22| 29071001  | 29076000  | 2.95E-28|
| chr22| 29072001  | 29077000  | 2.62E-21|
| chr22| 29073001  | 29078000  | 4.21E-22|
| chr22| 29074001  | 29079000  | 2.13E-20|
| chr22| 29075001  | 29080000  | 1.05E-21|
| chr22| 29275001  | 29280000  | 8.57E-52|
| chr22| 29276001  | 29281000  | 1.23E-33|
| chr22| 29277001  | 29282000  | 4.64E-20|
| chr22| 29469001  | 29474000  | 8.63E-27|
| chr22| 29995001  | 30000000  | 4.02E-21|
| chr22| 30483001  | 30488000  | 5.34E-06|
| chr22| 30484001  | 30489000  | 4.73E-07|
| chr22| 30718001  | 30723000  | 1.24E-19|
| chr22| 30721001  | 30726000  | 1.54E-26|
| chr22| 30722001  | 30727000  | 2.14E-37|
| chr22| 30969001  | 30974000  | 0.010792053|
| chr22| 31064001  | 31069000  | 1.24E-20|
| chr22| 31086001  | 31091000  | 1.02E-55|
| chr22| 31087001  | 31092000  | 8.72E-40|
| chr22| 31088001  | 31093000  | 8.21E-36|
| chr22| 31089001  | 31094000  | 1.04E-40|
| Chr | Start | End   | Value  |
|-----|-------|-------|--------|
| 22  | 31090001 | 31095000 | 3.45E-31  |
| 22  | 31091001 | 31096000 | 9.72E-19   |
| 22  | 31194001 | 31199000 | 1.83E-30   |
| 22  | 31195001 | 31200000 | 6.80E-17   |
| 22  | 31196001 | 31201000 | 1.03E-15   |
| 22  | 31197001 | 31202000 | 2.55E-19   |
| 22  | 31360001 | 31365000 | 1.68E-32   |
| 22  | 31361001 | 31366000 | 1.52E-39   |
| 22  | 31362001 | 31367000 | 1.04E-33   |
| 22  | 31363001 | 31368000 | 1.19E-23   |
| 22  | 31556001 | 31561000 | 6.31E-39   |
| 22  | 31604001 | 31609000 | 3.50E-48   |
| 22  | 31606001 | 31610000 | 9.29E-48   |
| 22  | 31607001 | 31612000 | 4.73E-59   |
| 22  | 31608001 | 31613000 | 7.55E-71   |
| 22  | 31884001 | 31889000 | 6.96E-24   |
| 22  | 32336001 | 32341000 | 6.83E-08   |
| 22  | 32866001 | 32871000 | 3.16E-26   |
| 22  | 33194001 | 33199000 | 1.49E-22   |
| 22  | 33195001 | 33200000 | 5.97E-22   |
| 22  | 33196001 | 33201000 | 2.05E-16   |
| 22  | 33452001 | 33457000 | 1.20E-24   |
| 22  | 33453001 | 33458000 | 8.50E-23   |
| 22  | 33548001 | 33553000 | 0.000259527|
| 22  | 33569001 | 33574000 | 2.05E-12   |
| 22  | 33571001 | 33576000 | 1.39E-06   |
| 22  | 33592001 | 33597000 | 5.26E-05   |
| 22  | 33762001 | 33767000 | 0.000232762|
| 22  | 33890001 | 33895000 | 3.11E-20   |
| 22  | 33933001 | 33938000 | 2.81E-07   |
| 22  | 33935001 | 33940000 | 1.12E-06   |
| 22  | 33941001 | 33946000 | 1.10E-09   |
| 22  | 33942001 | 33947000 | 1.88E-09   |
| 22  | 33943001 | 33948000 | 6.23E-07   |
| 22  | 33947001 | 33952000 | 7.95E-12   |
| 22  | 33949001 | 33954000 | 6.37E-14   |
| 22  | 33950001 | 33955000 | 1.31E-15   |
| 22  | 34010001 | 34015000 | 4.72E-05   |
| 22  | 34037001 | 34042000 | 2.57E-10   |
| 22  | 34091001 | 34096000 | 5.12E-20   |
| 22  | 34092001 | 34097000 | 2.82E-16   |
| 22  | 34159001 | 34164000 | 1.06E-05   |
| 22  | 34184001 | 34189000 | 1.90E-07   |
| 22  | 34185001 | 34190000 | 9.55E-12   |
| 22  | 34210001 | 34215000 | 1.13E-15   |
| 22  | 34211001 | 34216000 | 1.68E-12   |
| 22  | 34311001 | 34316000 | 5.25E-21   |
| 22  | 34312001 | 34317000 | 3.59E-25   |
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chr22      | 3435001| 34358000 | 1.56E-06 |
| chr22      | 34356000| 34540000 | 8.22E-12 |
| chr22      | 34760001| 34766000 | 1.91E-05 |
| chr22      | 34767000| 34776000 | 2.14E-05 |
| chr22      | 34768000| 34786000 | 3.00E-05 |
| chr22      | 34899000| 34999000 | 1.62E-04 |
| chr22      | 35654000| 35658000 | 2.22E-31 |
| chr22      | 35707000| 35709000 | 4.42E-35 |
| chr22      | 35710000| 35713000 | 8.56E-22 |
| chr22      | 36570000| 36574000 | 2.97E-20 |
| chr22      | 36807000| 36808000 | 5.65E-19 |
| chr22      | 36809000| 36815000 | 6.36E-21 |
| chr22      | 36926000| 36930000 | 1.44E-36 |
| chr22      | 37827000| 37828000 | 0.000140237 |
| chr22      | 37957000| 37960000 | 1.64E-23 |
| chr22      | 37958000| 37960000 | 1.23E-29 |
| chr22      | 37959000| 37960000 | 2.08E-30 |
| chr22      | 38305000| 38306000 | 1.49E-29 |
| chr22      | 38458000| 38460000 | 3.70E-20 |
| chr22      | 38794000| 38795000 | 5.46E-31 |
| chr22      | 38795000| 38796000 | 3.52E-35 |
| chr22      | 38971000| 38972000 | 7.31E-21 |
| chr22      | 39107000| 39109000 | 5.09E-37 |
| chr22      | 39243000| 39244000 | 1.68E-29 |
| chr22      | 39244000| 39245000 | 4.37E-34 |
| chr22      | 39542000| 39543000 | 1.59E-15 |
| chr22      | 39643000| 39644000 | 4.49E-17 |
| chr22      | 39644000| 39645000 | 9.57E-21 |
| chr22      | 40767000| 40768000 | 8.06E-17 |
| chr22      | 41030000| 41032000 | 8.63E-70 |
| chr22      | 41350000| 41351000 | 1.10E-20 |
| chr22      | 41351000| 41352000 | 3.21E-29 |
| chr22      | 41352000| 41353000 | 8.06E-39 |
| chr22      | 41419000| 41420000 | 2.95E-07 |
| chr22      | 41594000| 41595000 | 9.41E-36 |
| chr22      | 41595000| 41596000 | 3.29E-27 |
| chr22      | 41732000| 41733000 | 3.12E-11 |
| chr22      | 42230000| 42231000 | 2.96E-31 |
| chr22      | 42231000| 42232000 | 1.87E-24 |
| chr22      | 42232000| 42233000 | 1.34E-26 |
| chr22      | 42323000| 42324000 | 1.11E-07 |
| chr22      | 42344000| 42345000 | 1.47E-15 |
| chr22      | 42345000| 42346000 | 1.06E-33 |
| chr22      | 42346000| 42347000 | 4.11E-21 |
| chr22 | start       | end       | p-value       |
|-------|-------------|-----------|---------------|
| 4234  | 42342001    | 42347000  | 3.76E-26      |
| 4237  | 42372001    | 42377000  | 2.77E-05      |
| 4248  | 42486001    | 42491000  | 1.30E-10      |
| 4266  | 42661001    | 42666000  | 1.62E-10      |
| 4266  | 42662001    | 42667000  | 1.25E-11      |
| 4269  | 42691001    | 42696000  | 1.05E-10      |
| 4273  | 42735001    | 42740000  | 1.40E-24      |
| 4266  | 42665001    | 42670000  | 2.20E-15      |
| 4273  | 42735001    | 42740000  | 4.42E-14      |
| 4297  | 42975001    | 42980000  | 6.02E-09      |
| 4324  | 43249001    | 43254000  | 1.31E-30      |
| 4325  | 43250001    | 43255000  | 1.31E-18      |
| 4325  | 43252001    | 43257000  | 5.92E-16      |
| 4350  | 43505001    | 43510000  | 1.39E-10      |
| 4350  | 43507001    | 43512000  | 1.55E-15      |
| 4403  | 44039001    | 44044000  | 1.29E-09      |
| 4428  | 44287001    | 44292000  | 1.69E-11      |
| 4489  | 44894001    | 44899000  | 3.49E-15      |
| 4509  | 45094001    | 45099000  | 3.35E-31      |
| 4509  | 45095001    | 45100000  | 5.68E-22      |
| 4555  | 45555001    | 45560000  | 2.86E-25      |
| 4555  | 45560001    | 45561000  | 2.20E-22      |
| 4555  | 45559001    | 45564000  | 4.79E-79      |
| 4556  | 45560001    | 45565000  | 6.54E-43      |
| 4563  | 45633001    | 45638000  | 1.57E-09      |
| 4563  | 45634001    | 45639000  | 1.47E-16      |
| 4563  | 45635001    | 45640000  | 5.92E-16      |
| 4563  | 45636001    | 45641000  | 8.38E-19      |
| 4566  | 45660001    | 45665000  | 1.80E-11      |
| 4566  | 45661001    | 45666000  | 1.81E-15      |
| 4566  | 45662001    | 45667000  | 4.63E-13      |
| 4570  | 45701001    | 45706000  | 3.39E-19      |
| 4606  | 46064001    | 46069000  | 1.19E-53      |
| 4606  | 46065001    | 46070000  | 4.81E-36      |
| 4606  | 46066001    | 46071000  | 4.56E-24      |
| 4606  | 46067001    | 46072000  | 5.56E-34      |
| 4606  | 46068001    | 46073000  | 1.11E-45      |
| 4640  | 46408001    | 46413000  | 7.29E-11      |
| 4640  | 46409001    | 46414000  | 6.80E-19      |
| 4643  | 46436001    | 46441000  | 3.64E-21      |
| 4654  | 46542001    | 46547000  | 3.09E-13      |
| 4654  | 46545001    | 46550000  | 3.92E-22      |
| 4654  | 46546001    | 46551000  | 4.61E-32      |
| 4664  | 46644001    | 46649000  | 8.87E-17      |
| 4664  | 46645001    | 46650000  | 3.36E-36      |
| 4664  | 46646001    | 46651000  | 2.36E-34      |
| Chromosome | Start Position | End Position | Log10 Fold Change |
|------------|----------------|--------------|------------------|
| chr22      | 46654001       | 46659000     | 1.14E-29         |
| chr22      | 46656001       | 46661000     | 2.08E-21         |
| chr22      | 46657001       | 46662000     | 3.87E-28         |
| chr22      | 46658001       | 46663000     | 4.40E-21         |
| chr22      | 46690001       | 46695000     | 3.96E-17         |
| chr22      | 46691001       | 46696000     | 2.61E-20         |
| chr22      | 46692001       | 46697000     | 6.23E-28         |
| chr22      | 46728001       | 46733000     | 2.91E-37         |
| chr22      | 46729001       | 46734000     | 1.64E-34         |
| chr22      | 46730001       | 46735000     | 3.65E-25         |
| chr22      | 46731001       | 46736000     | 1.22E-20         |
| chr22      | 47334001       | 47339000     | 5.10E-17         |
| chr22      | 47895001       | 47900000     | 9.41E-05         |
| chr22      | 47978001       | 47983000     | 4.28E-06         |
| chr22      | 48881001       | 48886000     | 1.01E-07         |
| chr22      | 49186001       | 49191000     | 3.80E-22         |
| chr22      | 50217001       | 50222000     | 2.79E-13         |
| chr22      | 50308001       | 50313000     | 2.82E-20         |
| chr22      | 50309001       | 50314000     | 1.89E-11         |
| chr22      | 50311001       | 50316000     | 4.42E-13         |
| chr22      | 50608001       | 50613000     | 3.26E-07         |
| chr22      | 50638001       | 50643000     | 2.02E-44         |
| chr22      | 50639001       | 50644000     | 8.50E-79         |
| chr22      | 50763001       | 50768000     | 4.93E-08         |
| chr22      | 50764001       | 50769000     | 1.88E-07         |
| chr22      | 50919001       | 50924000     | 0.003749004      |
| chr22      | 51019001       | 51024000     | 7.38E-16         |
| chr22      | 51020001       | 51025000     | 4.01E-19         |
| chr22      | 51021001       | 51026000     | 1.61E-11         |
| chr22      | 51066001       | 51071000     | 5.76E-12         |
| chr22      | 51217001       | 51222000     | 8.00E-10         |
| chr22      | 51218001       | 51223000     | 7.36E-15         |
| chr22      | 51219001       | 51224000     | 2.78E-16         |
| chr22      | 51220001       | 51225000     | 1.21E-19         |
| chr22      | 51221001       | 51226000     | 3.36E-26         |
| chr22      | 51222001       | 51227000     | 2.78E-26         |
| chrX       | 2844001        | 2849000      | 2.98E-11         |
| chrX       | 2903001        | 2908000      | 1.55E-05         |
| chrX       | 2918001        | 2923000      | 0.000242088      |
| chrX       | 2919001        | 2924000      | 7.13E-05         |
| chrX       | 2920001        | 2925000      | 2.38E-05         |
| chrX       | 3000001        | 3005000      | 4.63E-07         |
| chrX       | 3001001        | 3006000      | 1.53E-05         |
| chrX       | 3045001        | 3050000      | 1.16E-07         |
| chrX       | 3046001        | 3051000      | 7.31E-10         |
| chrX       | 3060001        | 3065000      | 1.94E-05         |
| chrX       | 3061001        | 3066000      | 3.75E-05         |
| chrX       | 3063001        | 3068000      | 1.94E-05         |
| Chromosome | Start Base | End Base | P-value |
|------------|------------|----------|---------|
| chrX       | 3156001    | 3161000  | 0.000125438 |
| chrX       | 3258001    | 3263000  | 9.21E-17   |
| chrX       | 3259001    | 3264000  | 6.30E-29   |
| chrX       | 3292001    | 3297000  | 1.85E-06   |
| chrX       | 3293001    | 3298000  | 9.76E-07   |
| chrX       | 3328001    | 3333000  | 0.000258427 |
| chrX       | 3329001    | 3334000  | 0.000213378 |
| chrX       | 3371001    | 3376000  | 0.008188983 |
| chrX       | 3382001    | 3387000  | 1.75E-08   |
| chrX       | 3422001    | 3427000  | 3.69E-06   |
| chrX       | 3626001    | 3631000  | 5.27E-18   |
| chrX       | 3627001    | 3632000  | 3.99E-23   |
| chrX       | 3628001    | 3633000  | 3.51E-23   |
| chrX       | 3665001    | 3670000  | 3.88E-07   |
| chrX       | 3700001    | 3705000  | 0.000295803 |
| chrX       | 3729001    | 3734000  | 3.45E-08   |
| chrX       | 3732001    | 3737000  | 2.92E-35   |
| chrX       | 3733001    | 3738000  | 6.69E-53   |
| chrX       | 3734001    | 3739000  | 1.07E-35   |
| chrX       | 3976001    | 3981000  | 2.03E-05   |
| chrX       | 3977001    | 3982000  | 0.01247796 |
| chrX       | 4081001    | 4086000  | 0.002024568 |
| chrX       | 4111001    | 4116000  | 0.000248259 |
| chrX       | 4267001    | 4272000  | 0.018726118 |
| chrX       | 4269001    | 4274000  | 2.61E-05   |
| chrX       | 4271001    | 4276000  | 0.000229311 |
| chrX       | 4272001    | 4277000  | 0.000699861 |
| chrX       | 4273001    | 4278000  | 0.000750167 |
| chrX       | 4293001    | 4298000  | 3.90E-05   |
| chrX       | 4294001    | 4299000  | 6.10E-05   |
| chrX       | 4337001    | 4342000  | 0.000944454 |
| chrX       | 4377001    | 4382000  | 0.001353845 |
| chrX       | 4943001    | 4948000  | 9.07E-05   |
| chrX       | 4999001    | 5004000  | 5.27E-05   |
| chrX       | 5000001    | 5005000  | 0.000224877 |
| chrX       | 5094001    | 5099000  | 0.000429267 |
| chrX       | 5095001    | 5100000  | 0.000141196 |
| chrX       | 5148001    | 5153000  | 1.29E-13   |
| chrX       | 5149001    | 5154000  | 1.34E-23   |
| chrX       | 5150001    | 5155000  | 2.76E-24   |
| chrX       | 5151001    | 5156000  | 5.01E-18   |
| chrX       | 5166001    | 5171000  | 5.93E-05   |
| chrX       | 5167001    | 5172000  | 7.63E-06   |
| chrX       | 5168001    | 5173000  | 9.96E-06   |
| chrX       | 5169001    | 5174000  | 8.79E-06   |
| chrX       | 5170001    | 5175000  | 2.58E-08   |
| chrX       | 5171001    | 5176000  | 1.03E-06   |
| chrX       | 5172001    | 5177000  | 2.07E-05   |
| chrX | 5173001 | 5178000 | 6.33E-08  |
| chrX | 5174001 | 5179000 | 1.18E-07  |
| chrX | 5204001 | 5209000 | 4.68E-08  |
| chrX | 5205001 | 5210000 | 2.87E-10  |
| chrX | 5206001 | 5211000 | 2.34E-08  |
| chrX | 5274001 | 5279000 | 1.87E-06  |
| chrX | 5275001 | 5280000 | 0.00049267 |
| chrX | 5286001 | 5291000 | 1.19E-05  |
| chrX | 5287001 | 5292000 | 3.20E-05  |
| chrX | 5288001 | 5293000 | 0.000798454 |
| chrX | 5343001 | 5348000 | 8.55E-05  |
| chrX | 5352001 | 5357000 | 0.00121558 |
| chrX | 5523001 | 5528000 | 3.45E-07  |
| chrX | 5524001 | 5529000 | 0.000109704 |
| chrX | 5572001 | 5577000 | 0.000167353 |
| chrX | 5601001 | 5606000 | 4.28E-09  |
| chrX | 5602001 | 5607000 | 1.12E-07  |
| chrX | 5603001 | 5608000 | 9.31E-08  |
| chrX | 5604001 | 5609000 | 2.95E-10  |
| chrX | 5605001 | 5610000 | 1.36E-07  |
| chrX | 5627001 | 5632000 | 0.000228722 |
| chrX | 5628001 | 5633000 | 3.36E-06  |
| chrX | 5629001 | 5634000 | 0.000140656 |
| chrX | 5630001 | 5635000 | 0.000215604 |
| chrX | 5719001 | 5724000 | 0.013766837 |
| chrX | 5728001 | 5733000 | 0.002913012 |
| chrX | 6071001 | 6076000 | 0.000971109 |
| chrX | 6140001 | 6145000 | 4.73E-28  |
| chrX | 6141001 | 6146000 | 7.92E-39  |
| chrX | 6144001 | 6149000 | 7.11E-14  |
| chrX | 6145001 | 6150000 | 7.35E-18  |
| chrX | 6148001 | 6153000 | 0.006462713 |
| chrX | 6149001 | 6154000 | 0.003851905 |
| chrX | 6150001 | 6155000 | 0.005458296 |
| chrX | 6229001 | 6234000 | 8.29E-14  |
| chrX | 6292001 | 6297000 | 9.93E-05  |
| chrX | 6312001 | 6317000 | 8.97E-07  |
| chrX | 6316001 | 6321000 | 7.90E-06  |
| chrX | 6334001 | 6339000 | 0.000751241 |
| chrX | 6335001 | 6340000 | 0.000221347 |
| chrX | 6395001 | 6400000 | 0.001807459 |
| chrX | 6396001 | 6401000 | 0.002745527 |
| chrX | 6397001 | 6402000 | 0.004568322 |
| chrX | 6431001 | 6436000 | 3.48E-05  |
| chrX | 6432001 | 6437000 | 1.82E-05  |
| chrX | 6433001 | 6438000 | 8.10E-06  |
| chrX | 6434001 | 6439000 | 0.00031968 |
| chrX | 6458001 | 6463000 | 0.011851151 |
| Chromosome | Start Position | End Position | Value         |
|------------|----------------|--------------|---------------|
| chrX       | 6475001        | 6480000      | 7.66E-07      |
| chrX       | 6491001        | 6496000      | 6.87E-08      |
| chrX       | 6621001        | 6626000      | 1.24E-05      |
| chrX       | 6622001        | 6627000      | 1.78E-06      |
| chrX       | 6788001        | 6793000      | 6.30E-05      |
| chrX       | 6789001        | 6794000      | 3.00E-05      |
| chrX       | 6790001        | 6795000      | 3.00E-05      |
| chrX       | 7061001        | 7066000      | 1.77E-15      |
| chrX       | 7064001        | 7069000      | 1.63E-24      |
| chrX       | 7065001        | 7070000      | 3.67E-36      |
| chrX       | 7066001        | 7071000      | 3.69E-41      |
| chrX       | 7123001        | 7128000      | 0.00144796    |
| chrX       | 7472001        | 7477000      | 0.005423292   |
| chrX       | 7473001        | 7478000      | 0.002971996   |
| chrX       | 7747001        | 7752000      | 0.000238106   |
| chrX       | 7748001        | 7753000      | 0.000181427   |
| chrX       | 7758001        | 7763000      | 1.07E-05      |
| chrX       | 7895001        | 7900000      | 3.50E-18      |
| chrX       | 8115001        | 8120000      | 0.003726203   |
| chrX       | 8116001        | 8121000      | 0.003980579   |
| chrX       | 8263001        | 8268000      | 1.66E-06      |
| chrX       | 8264001        | 8269000      | 1.32E-07      |
| chrX       | 8383001        | 8388000      | 0.000108982   |
| chrX       | 8537001        | 8542000      | 0.000200784   |
| chrX       | 8538001        | 8543000      | 0.002098515   |
| chrX       | 8566001        | 8571000      | 5.45E-06      |
| chrX       | 8567001        | 8572000      | 3.22E-05      |
| chrX       | 8568001        | 8573000      | 0.000146149   |
| chrX       | 8674001        | 8679000      | 1.27E-05      |
| chrX       | 8675001        | 8680000      | 3.29E-06      |
| chrX       | 8676001        | 8681000      | 2.65E-05      |
| chrX       | 8697001        | 8702000      | 1.29E-06      |
| chrX       | 8698001        | 8703000      | 2.44E-25      |
| chrX       | 8699001        | 8704000      | 1.57E-36      |
| chrX       | 8700001        | 8705000      | 1.56E-13      |
| chrX       | 8720001        | 8725000      | 4.88E-05      |
| chrX       | 8787001        | 8792000      | 6.89E-05      |
| chrX       | 8788001        | 8793000      | 1.25E-06      |
| chrX       | 8789001        | 8794000      | 8.46E-07      |
| chrX       | 8857001        | 8862000      | 0.009693121   |
| chrX       | 8858001        | 8863000      | 0.011213214   |
| chrX       | 9072001        | 9077000      | 2.83E-08      |
| chrX       | 9222001        | 9227000      | 0.003886326   |
| chrX       | 9223001        | 9228000      | 0.001975186   |
| chrX       | 9224001        | 9229000      | 2.91E-05      |
| chrX       | 9310001        | 9315000      | 2.70E-15      |
| chrX       | 9733001        | 9738000      | 3.48E-11      |
| chrX       | 9750001        | 9755000      | 9.46E-21      |
| Chr X | Start | End   | P-value          |
|-------|-------|-------|-----------------|
| chrX  | 9751001 | 9756000 | 2.36E-17        |
| chrX  | 9934001 | 9939000 | 8.94E-10        |
| chrX  | 10258001 | 10263000 | 0.001534131     |
| chrX  | 10259001 | 10264000 | 6.07E-05        |
| chrX  | 10260001 | 10265000 | 0.000192684     |
| chrX  | 10261001 | 10266000 | 0.000436665     |
| chrX  | 10320001 | 10325000 | 0.036593111     |
| chrX  | 11406001 | 11411000 | 0.007437087     |
| chrX  | 11430001 | 11435000 | 6.95E-06        |
| chrX  | 11482001 | 11487000 | 6.47E-09        |
| chrX  | 11529001 | 11534000 | 5.64E-05        |
| chrX  | 11541001 | 11546000 | 0.000536816     |
| chrX  | 11601001 | 11606000 | 0.00149302      |
| chrX  | 11602001 | 11607000 | 0.003267124     |
| chrX  | 11689001 | 11694000 | 0.024052774     |
| chrX  | 12152001 | 12157000 | 3.31E-09        |
| chrX  | 12155001 | 12160000 | 1.81E-10        |
| chrX  | 12805001 | 12810000 | 3.32E-14        |
| chrX  | 12851001 | 12856000 | 7.41E-06        |
| chrX  | 12852001 | 12857000 | 9.30E-08        |
| chrX  | 12853001 | 12858000 | 2.35E-07        |
| chrX  | 13010001 | 13015000 | 0.000861466     |
| chrX  | 13011001 | 13016000 | 0.00614291      |
| chrX  | 13389001 | 13394000 | 0.002075221     |
| chrX  | 13505001 | 13510000 | 4.85E-06        |
| chrX  | 13506001 | 13511000 | 5.00E-08        |
| chrX  | 13671001 | 13676000 | 1.85E-15        |
| chrX  | 13748001 | 13753000 | 2.24E-32        |
| chrX  | 13965001 | 13970000 | 9.68E-05        |
| chrX  | 14048001 | 14053000 | 3.80E-28        |
| chrX  | 14210001 | 14215000 | 0.000927619     |
| chrX  | 14322001 | 14327000 | 1.25E-07        |
| chrX  | 14323001 | 14328000 | 2.33E-07        |
| chrX  | 14324001 | 14329000 | 9.76E-07        |
| chrX  | 14602001 | 14607000 | 0.02463006      |
| chrX  | 14636001 | 14641000 | 0.000287398     |
| chrX  | 14637001 | 14642000 | 4.81E-08        |
| chrX  | 14638001 | 14643000 | 2.61E-06        |
| chrX  | 14700001 | 14705000 | 1.46E-06        |
| chrX  | 14774001 | 14779000 | 1.85E-06        |
| chrX  | 14798001 | 14803000 | 0.003227701     |
| chrX  | 14799001 | 14804000 | 0.000282005     |
| chrX  | 14808001 | 14813000 | 0.00239573      |
| chrX  | 14955001 | 14960000 | 0.000936196     |
| chrX  | 15342001 | 15347000 | 0.005293534     |
| chrX  | 15507001 | 15512000 | 1.99E-27        |
| chrX  | 15508001 | 15513000 | 5.92E-15        |
| chrX  | 15509001 | 15514000 | 8.83E-14        |
| Chromosome | Start Base Pair | End Base Pair | P-value |
|------------|----------------|---------------|---------|
| chrX       | 15510001       | 15515000      | 2.31E-34|
| chrX       | 15511001       | 15516000      | 8.54E-23|
| chrX       | 15689001       | 15694000      | 7.16E-47|
| chrX       | 15690001       | 15695000      | 2.93E-56|
| chrX       | 15691001       | 15696000      | 2.43E-41|
| chrX       | 15692001       | 15697000      | 2.32E-35|
| chrX       | 15693001       | 15698000      | 2.99E-34|
| chrX       | 15694001       | 15699000      | 3.02E-15|
| chrX       | 15869001       | 15874000      | 6.79E-35|
| chrX       | 15873001       | 15878000      | 1.42E-23|
| chrX       | 16151001       | 16156000      | 0.00732318|
| chrX       | 16162001       | 16167000      | 0.004649741|
| chrX       | 16163001       | 16168000      | 2.04E-08|
| chrX       | 16292001       | 16297000      | 0.000873346|
| chrX       | 16298001       | 16303000      | 0.010740775|
| chrX       | 16299001       | 16304000      | 0.010078965|
| chrX       | 16300001       | 16305000      | 0.023479334|
| chrX       | 16413001       | 16418000      | 1.75E-07|
| chrX       | 16414001       | 16419000      | 3.09E-05|
| chrX       | 16415001       | 16420000      | 1.46E-05|
| chrX       | 16426001       | 16431000      | 0.004656333|
| chrX       | 16678001       | 16683000      | 2.81E-09|
| chrX       | 16726001       | 16731000      | 6.26E-24|
| chrX       | 16729001       | 16734000      | 6.29E-08|
| chrX       | 16730001       | 16735000      | 1.39E-07|
| chrX       | 16733001       | 16738000      | 1.41E-09|
| chrX       | 16803001       | 16808000      | 8.75E-15|
| chrX       | 16804001       | 16809000      | 8.60E-38|
| chrX       | 16805001       | 16810000      | 7.70E-22|
| chrX       | 16883001       | 16888000      | 2.11E-18|
| chrX       | 16884001       | 16889000      | 1.60E-30|
| chrX       | 16885001       | 16890000      | 4.95E-21|
| chrX       | 16886001       | 16891000      | 1.19E-15|
| chrX       | 16887001       | 16892000      | 4.16E-20|
| chrX       | 16888001       | 16893000      | 2.53E-36|
| chrX       | 16889001       | 16894000      | 4.57E-14|
| chrX       | 16898001       | 16903000      | 1.12E-12|
| chrX       | 16899001       | 16904000      | 3.14E-21|
| chrX       | 16900001       | 16905000      | 5.26E-18|
| chrX       | 16960001       | 16965000      | 3.29E-10|
| chrX       | 17366001       | 17371000      | 0.000792887|
| chrX       | 17602001       | 17607000      | 0.000833908|
| chrX       | 17736001       | 17741000      | 4.70E-05|
| chrX       | 17879001       | 17884000      | 2.69E-12|
| chrX       | 17975001       | 17980000      | 0.000165601|
| chrX       | 18369001       | 18374000      | 7.89E-10|
| chrX       | 18578001       | 18583000      | 0.006661261|
| chrX       | 18592001       | 18597000      | 0.013184129|
| Chromosome | Start | End   | Value      |
|-----------|-------|-------|-----------|
| chrX      | 18650001 | 18655000 | 3.67E-05  |
| chrX      | 18693001 | 18698000 | 2.08E-11  |
| chrX      | 18998001 | 19003000 | 1.52E-20  |
| chrX      | 19001001 | 19006000 | 1.09E-16  |
| chrX      | 19002001 | 19007000 | 4.34E-18  |
| chrX      | 19072001 | 19077000 | 4.13E-10  |
| chrX      | 19073001 | 19078000 | 7.87E-07  |
| chrX      | 19098001 | 19103000 | 1.52E-20  |
| chrX      | 19101001 | 19106000 | 1.09E-16  |
| chrX      | 19102001 | 19107000 | 4.34E-18  |
| chrX      | 19130001 | 19135000 | 1.05E-24  |
| chrX      | 19155001 | 19160000 | 1.92E-27  |
| chrX      | 20157001 | 20162000 | 3.31E-23  |
| chrX      | 20170001 | 20175000 | 0.002136303|
| chrX      | 20390001 | 20395000 | 0.00083701|
| chrX      | 20670001 | 20675000 | 0.001550864|
| chrX      | 20724001 | 20729000 | 0.000148943|
| chrX      | 20804001 | 20809000 | 0.000276575|
| chrX      | 20805001 | 20810000 | 2.73E-05  |
| chrX      | 20930001 | 20935000 | 0.000795082|
| chrX      | 20935001 | 20940000 | 0.000319086|
| chrX      | 20936001 | 20941000 | 0.000799011|
| chrX      | 20937001 | 20942000 | 0.000314315|
| chrX      | 21011001 | 21016000 | 0.002637854|
| chrX      | 21012001 | 21017000 | 0.002743152|
| chrX      | 21013001 | 21018000 | 0.000965654|
| chrX      | 21025001 | 21030000 | 0.00224095|
| chrX      | 21027001 | 21032000 | 0.000512036|
| chrX      | 21056001 | 21061000 | 0.015465321|
| chrX      | 21086001 | 21091000 | 0.002849326|
| chrX      | 21254001 | 21259000 | 0.008868252|
| chrX      | 21256001 | 21261000 | 0.002639257|
| chrX      | 21393001 | 21398000 | 6.19E-11  |
| chrX      | 21858001 | 21863000 | 7.99E-16  |
| chrX      | 22140001 | 22145000 | 0.000395947|
| chrX      | 22141001 | 22146000 | 0.000216387|
| chrX      | 22993001 | 22998000 | 9.17E-05  |
| chrX      | 22994001 | 22999000 | 2.64E-09  |
| chrX      | 22995001 | 23000000 | 8.69E-08  |
| chrX      | 22996001 | 23001000 | 1.56E-08  |
| chrX      | 22997001 | 23002000 | 5.83E-08  |
| chrX      | 22998001 | 23003000 | 1.51E-07  |
| chrX      | 22999001 | 23004000 | 0.000196756|
| chrX      | 23000001 | 23005000 | 0.000463805|
| chrX      | 23037001 | 23042000 | 0.035488873|
| chrX      | 23089001 | 23094000 | 2.06E-10  |
| chrX      | 23110001 | 23115000 | 0.000113517|
| Chromosome | Start (bp) | End (bp) | p-value         |
|------------|-----------|---------|----------------|
| chrX       | 23158001  | 23163000| 3.20E-06       |
| chrX       | 23336001  | 23341000| 1.64E-08       |
| chrX       | 23366001  | 23371000| 0.011440465    |
| chrX       | 23393001  | 23398000| 5.57E-09       |
| chrX       | 23395001  | 23400000| 4.60E-05       |
| chrX       | 23401001  | 23406000| 0.005029378    |
| chrX       | 23757001  | 23762000| 1.85E-07       |
| chrX       | 23758001  | 23763000| 4.44E-12       |
| chrX       | 23759001  | 23764000| 1.93E-25       |
| chrX       | 23760001  | 23765000| 1.16E-22       |
| chrX       | 23761001  | 23766000| 4.96E-20       |
| chrX       | 23797001  | 23802000| 1.81E-08       |
| chrX       | 24071001  | 24076000| 2.32E-15       |
| chrX       | 24461001  | 24466000| 4.95E-06       |
| chrX       | 24462001  | 24467000| 3.93E-05       |
| chrX       | 24598001  | 24603000| 9.09E-07       |
| chrX       | 24599001  | 24604000| 0.000110711    |
| chrX       | 24820001  | 24825000| 0.000309485    |
| chrX       | 24821001  | 24826000| 0.000518687    |
| chrX       | 24908001  | 24913000| 9.41E-05       |
| chrX       | 25064001  | 25069000| 0.000665749    |
| chrX       | 25065001  | 25070000| 0.000376903    |
| chrX       | 25067001  | 25072000| 0.005443251    |
| chrX       | 25108001  | 25113000| 5.15E-07       |
| chrX       | 25109001  | 25114000| 3.63E-07       |
| chrX       | 25110001  | 25115000| 2.00E-06       |
| chrX       | 25139001  | 25144000| 1.30E-11       |
| chrX       | 25148001  | 25153000| 0.012062918    |
| chrX       | 25149001  | 25154000| 0.000176612    |
| chrX       | 25150001  | 25155000| 0.000176612    |
| chrX       | 25161001  | 25166000| 1.00E-08       |
| chrX       | 25162001  | 25167000| 4.53E-07       |
| chrX       | 25328001  | 25333000| 2.04E-07       |
| chrX       | 25488001  | 25493000| 0.000862177    |
| chrX       | 25671001  | 25676000| 1.43E-05       |
| chrX       | 25715001  | 25720000| 8.39E-07       |
| chrX       | 25716001  | 25721000| 1.20E-06       |
| chrX       | 25717001  | 25722000| 8.71E-07       |
| chrX       | 25718001  | 25723000| 3.47E-06       |
| chrX       | 25719001  | 25724000| 0.000460966    |
| chrX       | 25774001  | 25779000| 7.92E-09       |
| chrX       | 25775001  | 25780000| 5.38E-09       |
| chrX       | 25776001  | 25781000| 2.61E-09       |
| chrX       | 25818001  | 25823000| 0.0010347      |
| chrX       | 25929001  | 25934000| 0.002402918    |
| chrX       | 25930001  | 25935000| 0.00187169     |
| chrX       | 26164001  | 26169000| 0.000312178    |
| chrX       | 26181001  | 26186000| 8.94E-06       |
| Chromosome | Start | End   | P-value         |
|------------|-------|-------|----------------|
| chrX       | 26201001 | 26206000 | 1.31E-07       |
| chrX       | 26246001 | 26251000 | 3.69E-06       |
| chrX       | 26247001 | 26252000 | 1.57E-05       |
| chrX       | 26298001 | 26303000 | 0.000453541    |
| chrX       | 26299001 | 26304000 | 7.06E-06       |
| chrX       | 26331001 | 26336000 | 0.011914587    |
| chrX       | 26499001 | 26504000 | 9.55E-05       |
| chrX       | 26500001 | 26505000 | 5.66E-06       |
| chrX       | 26501001 | 26506000 | 4.02E-11       |
| chrX       | 26502001 | 26507000 | 1.09E-09       |
| chrX       | 26503001 | 26508000 | 2.84E-13       |
| chrX       | 26504001 | 26509000 | 3.76E-06       |
| chrX       | 26510001 | 26515000 | 8.42E-05       |
| chrX       | 26621001 | 26626000 | 0.000682991    |
| chrX       | 26792001 | 26797000 | 0.00266766     |
| chrX       | 26793001 | 26798000 | 0.007108745    |
| chrX       | 26796001 | 26801000 | 0.010208029    |
| chrX       | 26824001 | 26829000 | 9.24E-05       |
| chrX       | 26825001 | 26830000 | 0.00114881     |
| chrX       | 26826001 | 26831000 | 0.001019878    |
| chrX       | 27838001 | 27843000 | 0.000367144    |
| chrX       | 28386001 | 28391000 | 1.89E-06       |
| chrX       | 28619001 | 28624000 | 0.004982277    |
| chrX       | 28620001 | 28625000 | 0.005093918    |
| chrX       | 28623001 | 28628000 | 0.000264385    |
| chrX       | 28888001 | 28893000 | 6.62E-06       |
| chrX       | 28889001 | 28894000 | 6.46E-06       |
| chrX       | 28890001 | 28895000 | 2.44E-06       |
| chrX       | 29211001 | 29216000 | 0.001150621    |
| chrX       | 29212001 | 29217000 | 0.000284808    |
| chrX       | 29213001 | 29218000 | 2.31E-05       |
| chrX       | 29572001 | 29577000 | 0.001147637    |
| chrX       | 29573001 | 29578000 | 0.001468336    |
| chrX       | 29622001 | 29627000 | 0.013178153    |
| chrX       | 29833001 | 29838000 | 0.000150982    |
| chrX       | 29858001 | 29863000 | 4.15E-05       |
| chrX       | 29859001 | 29864000 | 4.04E-05       |
| chrX       | 29860001 | 29865000 | 0.000254256    |
| chrX       | 30178001 | 30183000 | 7.37E-05       |
| chrX       | 30327001 | 30332000 | 1.92E-26       |
| chrX       | 30394001 | 30399000 | 0.001902401    |
| chrX       | 30789001 | 30794000 | 1.52E-06       |
| chrX       | 30817001 | 30822000 | 3.21E-07       |
| chrX       | 30819001 | 30824000 | 3.35E-08       |
| chrX       | 30995001 | 31000000 | 0.007034535    |
| chrX       | 30996001 | 31001000 | 0.002996401    |
| chrX       | 31112001 | 31117000 | 4.18E-06       |
| chrX       | 31113001 | 31118000 | 3.20E-06       |
| Chromosome | Start Position | End Position | Value |
|------------|----------------|--------------|-------|
| chrX       | 31283001       | 31288000     | 1.59E-12 |
| chrX       | 31284001       | 31289000     | 6.55E-14 |
| chrX       | 31285001       | 31290000     | 1.19E-12 |
| chrX       | 31368001       | 31373000     | 0.005884558 |
| chrX       | 31369001       | 31374000     | 0.000646859 |
| chrX       | 31626001       | 31631000     | 0.004311593 |
| chrX       | 31627001       | 31632000     | 0.00520416 |
| chrX       | 31890001       | 31895000     | 0.026589844 |
| chrX       | 31948001       | 31971000     | 0.001363235 |
| chrX       | 31972001       | 31977000     | 0.001135424 |
| chrX       | 32034001       | 32039000     | 1.11E-07 |
| chrX       | 32139001       | 32144000     | 4.68E-06 |
| chrX       | 32146001       | 32151000     | 2.46E-05 |
| chrX       | 32148001       | 32153000     | 2.35E-05 |
| chrX       | 32149001       | 32154000     | 3.83E-05 |
| chrX       | 32166001       | 32171000     | 0.001244639 |
| chrX       | 33203001       | 33208000     | 0.00135451 |
| chrX       | 33204001       | 33209000     | 0.000564502 |
| chrX       | 33206001       | 33211000     | 0.000558526 |
| chrX       | 33651001       | 33656000     | 7.34E-05 |
| chrX       | 33698001       | 33703000     | 0.001621895 |
| chrX       | 33838001       | 33843000     | 0.00267042 |
| chrX       | 33918001       | 33923000     | 0.001929652 |
| chrX       | 33919001       | 33924000     | 0.000253647 |
| chrX       | 33920001       | 33925000     | 0.000539941 |
| chrX       | 34228001       | 34233000     | 2.26E-07 |
| chrX       | 34229001       | 34234000     | 5.08E-06 |
| chrX       | 34231001       | 34236000     | 2.86E-05 |
| chrX       | 34411001       | 34416000     | 0.000272983 |
| chrX       | 34412001       | 34417000     | 0.001265783 |
| chrX       | 34434001       | 34439000     | 9.14E-07 |
| chrX       | 34685001       | 34690000     | 0.003677341 |
| chrX       | 35338001       | 35343000     | 0.00114968 |
| chrX       | 35412001       | 35417000     | 1.43E-05 |
| chrX       | 35414001       | 35419000     | 0.008677982 |
| chrX       | 35416001       | 35421000     | 0.003239334 |
| chrX       | 35662001       | 35667000     | 0.000188531 |
| chrX       | 35663001       | 35668000     | 0.001180973 |
| chrX       | 35673001       | 35678000     | 1.48E-05 |
| chrX       | 35674001       | 35679000     | 0.000134853 |
| chrX       | 35675001       | 35680000     | 0.000612664 |
| chrX       | 35676001       | 35681000     | 4.67E-05 |
| chrX       | 35677001       | 35682000     | 0.00025971 |
| chrX       | 35746001       | 35751000     | 8.64E-05 |
| chrX       | 35775001       | 35780000     | 0.002313999 |
| chrX       | 35823001       | 35828000     | 4.45E-05 |
| chrX       | 35824001       | 35829000     | 2.61E-05 |
| Chromosome | Start | End   | P-value     |
|------------|-------|-------|-------------|
| chrX       | 35949001 | 35954000 | 6.22E-05    |
| chrX       | 35950001 | 35955000 | 9.43E-05    |
| chrX       | 36059001 | 36064000 | 8.32E-08    |
| chrX       | 36060001 | 36065000 | 2.97E-06    |
| chrX       | 36061001 | 36066000 | 3.01E-05    |
| chrX       | 36062001 | 36067000 | 1.83E-05    |
| chrX       | 36063001 | 36068000 | 5.77E-07    |
| chrX       | 36171001 | 36176000 | 0.004878064 |
| chrX       | 36186001 | 36191000 | 0.000109397 |
| chrX       | 36188001 | 36193000 | 1.27E-06    |
| chrX       | 36467001 | 36472000 | 9.40E-05    |
| chrX       | 36468001 | 36473000 | 4.30E-10    |
| chrX       | 36469001 | 36474000 | 2.85E-08    |
| chrX       | 36470001 | 36475000 | 1.60E-07    |
| chrX       | 36471001 | 36476000 | 1.40E-08    |
| chrX       | 36472001 | 36477000 | 1.21E-08    |
| chrX       | 36473001 | 36478000 | 0.001322972 |
| chrX       | 36523001 | 36528000 | 0.000327976 |
| chrX       | 36524001 | 36529000 | 0.000420998 |
| chrX       | 36562001 | 36567000 | 4.39E-06    |
| chrX       | 36563001 | 36568000 | 2.01E-10    |
| chrX       | 36564001 | 36569000 | 1.02E-07    |
| chrX       | 36647001 | 36652000 | 4.82E-05    |
| chrX       | 36648001 | 36653000 | 5.73E-05    |
| chrX       | 36649001 | 36654000 | 1.84E-06    |
| chrX       | 36679001 | 36684000 | 1.77E-06    |
| chrX       | 36680001 | 36685000 | 1.87E-07    |
| chrX       | 36681001 | 36686000 | 0.000136489 |
| chrX       | 36682001 | 36687000 | 0.000973602 |
| chrX       | 36690001 | 36695000 | 1.35E-07    |
| chrX       | 36691001 | 36696000 | 6.10E-09    |
| chrX       | 36692001 | 36697000 | 1.10E-05    |
| chrX       | 36693001 | 36698000 | 2.23E-07    |
| chrX       | 36708001 | 36713000 | 0.006643051 |
| chrX       | 36740001 | 36745000 | 0.000113298 |
| chrX       | 36754001 | 36759000 | 0.00079944  |
| chrX       | 36779001 | 36784000 | 8.78E-05    |
| chrX       | 36804001 | 36809000 | 0.004932454 |
| chrX       | 36929001 | 36934000 | 9.95E-10    |
| chrX       | 36930001 | 36935000 | 4.61E-11    |
| chrX       | 36931001 | 36936000 | 5.31E-10    |
| chrX       | 36932001 | 36937000 | 4.09E-10    |
| chrX       | 36933001 | 36938000 | 1.26E-09    |
| chrX       | 36937001 | 36942000 | 0.000316627 |
| chrX       | 36938001 | 36943000 | 3.08E-05    |
| chrX       | 36939001 | 36944000 | 3.48E-06    |
| chrX       | 36940001 | 36945000 | 3.98E-06    |
| chrX       | 36941001 | 36946000 | 0.000172239 |
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|--------------|
| chrX       | 3695001 | 3696000 | 0.00245208  |
| chrX       | 3697001 | 3697900 | 4.55E-18    |
| chrX       | 3705001 | 3705800 | 0.019457984 |
| chrX       | 3708001 | 3708700 | 0.005337242 |
| chrX       | 3708300 | 3708800 | 0.003720195 |
| chrX       | 3717400 | 3717900 | 0.002557593 |
| chrX       | 3732200 | 3732700 | 0.000556134 |
| chrX       | 3732300 | 3732800 | 0.000856799 |
| chrX       | 3754000 | 3754500 | 6.13E-30    |
| chrX       | 3754100 | 3754600 | 1.07E-27    |
| chrX       | 3754200 | 3754700 | 1.14E-17    |
| chrX       | 3754300 | 3754800 | 1.63E-11    |
| chrX       | 3770600 | 3771100 | 4.41E-11    |
| chrX       | 3776500 | 3777000 | 1.80E-17    |
| chrX       | 3830400 | 3830900 | 3.87E-05    |
| chrX       | 3831500 | 3832000 | 0.000727182 |
| chrX       | 3831600 | 3832100 | 0.001708607 |
| chrX       | 3835600 | 3836100 | 2.45E-10    |
| chrX       | 3835900 | 3836400 | 0.000112151 |
| chrX       | 3836800 | 3837300 | 0.000139701 |
| chrX       | 3836900 | 3837400 | 0.00076786  |
| chrX       | 3838800 | 3839300 | 9.16E-05    |
| chrX       | 3838900 | 3839400 | 3.12E-05    |
| chrX       | 3839000 | 3839500 | 0.00016255  |
| chrX       | 3839100 | 3839600 | 0.000244464 |
| chrX       | 3841600 | 3842100 | 3.09E-22    |
| chrX       | 3848900 | 3849400 | 0.000709672 |
| chrX       | 3849000 | 3849500 | 0.012314461 |
| chrX       | 3849100 | 3849600 | 0.000317967 |
| chrX       | 3854600 | 3855100 | 7.37E-06    |
| chrX       | 3854700 | 3855200 | 4.62E-06    |
| chrX       | 3858500 | 3859000 | 0.00213137  |
| chrX       | 3866200 | 3866700 | 8.56E-23    |
| chrX       | 3866300 | 3866800 | 3.70E-25    |
| chrX       | 3866400 | 3866900 | 1.83E-37    |
| chrX       | 3893700 | 3894200 | 0.001004105 |
| chrX       | 3893800 | 3894300 | 0.000214929 |
| chrX       | 3899700 | 3900200 | 0.006936574 |
| chrX       | 3899800 | 3900300 | 0.008199188 |
| chrX       | 3901800 | 3902300 | 3.19E-11    |
| chrX       | 3901900 | 3902400 | 1.31E-07    |
| chrX       | 3902000 | 3902500 | 1.04E-08    |
| chrX       | 3903600 | 3904100 | 9.79E-07    |
| chrX       | 3903800 | 3904300 | 1.35E-07    |
| chrX       | 3904000 | 3904500 | 1.01E-08    |
| chrX       | 3912500 | 3913000 | 0.001114698 |
| chrX       | 3912600 | 3913100 | 0.000950786 |
| chrX       | 3912700 | 3913200 | 0.000842592 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chrX       | 39140001       | 39145000     | 1.89E-05|
| chrX       | 39412001       | 39417000     | 2.88E-05|
| chrX       | 39413001       | 39418000     | 2.65E-05|
| chrX       | 39414001       | 39419000     | 3.63E-06|
| chrX       | 39678001       | 39683000     | 1.91E-06|
| chrX       | 39680001       | 39685000     | 1.07E-05|
| chrX       | 39968001       | 39973000     | 5.16E-12|
| chrX       | 40440001       | 40445000     | 3.67E-12|
| chrX       | 40502001       | 40507000     | 1.84E-28|
| chrX       | 40506001       | 40511000     | 3.89E-26|
| chrX       | 40590001       | 40595000     | 1.56E-16|
| chrX       | 40940001       | 40945000     | 1.16E-20|
| chrX       | 41131001       | 41136000     | 4.22E-06|
| chrX       | 41242001       | 41247000     | 1.46E-07|
| chrX       | 41297001       | 41302000     | 6.81E-20|
| chrX       | 41498001       | 41503000     | 7.40E-05|
| chrX       | 41777001       | 41782000     | 9.74E-13|
| chrX       | 41839001       | 41844000     | 0.000141057|
| chrX       | 41922001       | 41927000     | 0.00033842|
| chrX       | 41968001       | 41973000     | 0.000221015|
| chrX       | 41969001       | 41974000     | 4.03E-05|
| chrX       | 41982001       | 41987000     | 0.002697952|
| chrX       | 42032001       | 42037000     | 9.74E-19|
| chrX       | 42033001       | 42038000     | 6.37E-15|
| chrX       | 42034001       | 42039000     | 2.68E-11|
| chrX       | 42035001       | 42040000     | 3.52E-13|
| chrX       | 42036001       | 42041000     | 5.41E-15|
| chrX       | 42037001       | 42042000     | 0.001994648|
| chrX       | 42039001       | 42044000     | 0.002589543|
| chrX       | 42068001       | 42073000     | 5.13E-09|
| chrX       | 42069001       | 42074000     | 3.73E-07|
| chrX       | 42111001       | 42116000     | 2.64E-05|
| chrX       | 42112001       | 42117000     | 3.50E-07|
| chrX       | 42113001       | 42118000     | 2.35E-07|
| chrX       | 42114001       | 42119000     | 1.90E-06|
| chrX       | 42115001       | 42120000     | 7.06E-05|
| chrX       | 42146001       | 42151000     | 0.002696535|
| chrX       | 42147001       | 42152000     | 6.64E-06|
| chrX       | 42148001       | 42153000     | 2.66E-06|
| chrX       | 42149001       | 42154000     | 4.03E-05|
| chrX       | 42150001       | 42155000     | 3.60E-05|
| chrX       | 42163001       | 42168000     | 9.23E-05|
| chrX       | 42164001       | 42169000     | 4.60E-07|
| chrX       | 42165001       | 42170000     | 4.41E-07|
| chrX       | 42166001       | 42171000     | 1.52E-05|
| chrX       | 42167001       | 42172000     | 3.29E-05|
| chrX       | 42171001       | 42176000     | 0.01098642|
| chrX       | 42187001       | 42192000     | 4.83E-05|
| Gene  | Start  | End    | Value     |
|-------|--------|--------|-----------|
| chrX  | 42196001 | 42201000 | 3.14E-09  |
| chrX  | 42198001 | 42203000 | 3.66E-09  |
| chrX  | 42199001 | 42204000 | 9.63E-10  |
| chrX  | 42202001 | 42207000 | 1.67E-08  |
| chrX  | 42239001 | 42244000 | 5.42E-06  |
| chrX  | 42240001 | 42245000 | 1.84E-05  |
| chrX  | 42250001 | 42255000 | 0.001536962 |
| chrX  | 42264001 | 42269000 | 4.06E-05  |
| chrX  | 42265001 | 42270000 | 0.000245499 |
| chrX  | 42266001 | 42271000 | 2.50E-05  |
| chrX  | 42267001 | 42272000 | 1.26E-05  |
| chrX  | 42268001 | 42273000 | 3.93E-05  |
| chrX  | 42317001 | 42322000 | 0.013979878 |
| chrX  | 42348001 | 42353000 | 0.002622242 |
| chrX  | 42354001 | 42359000 | 0.000105978 |
| chrX  | 42355001 | 42360000 | 1.00E-05  |
| chrX  | 42356001 | 42361000 | 2.18E-05  |
| chrX  | 42395001 | 42400000 | 0.033474117 |
| chrX  | 42398001 | 42403000 | 0.001206321 |
| chrX  | 42399001 | 42404000 | 0.002510405 |
| chrX  | 42410001 | 42415000 | 2.71E-05  |
| chrX  | 42412001 | 42417000 | 1.99E-07  |
| chrX  | 42413001 | 42418000 | 1.53E-07  |
| chrX  | 42426001 | 42431000 | 2.63E-06  |
| chrX  | 42429001 | 42434000 | 4.01E-05  |
| chrX  | 42430001 | 42435000 | 7.59E-05  |
| chrX  | 42432001 | 42437000 | 0.000672803 |
| chrX  | 42433001 | 42438000 | 0.005775115 |
| chrX  | 42462001 | 42467000 | 0.000740589 |
| chrX  | 42463001 | 42468000 | 0.000766095 |
| chrX  | 42464001 | 42469000 | 6.26E-07  |
| chrX  | 42465001 | 42470000 | 7.67E-05  |
| chrX  | 42471001 | 42476000 | 0.000499877 |
| chrX  | 42472001 | 42477000 | 4.05E-05  |
| chrX  | 42477001 | 42482000 | 0.001326326 |
| chrX  | 42478001 | 42483000 | 0.002351477 |
| chrX  | 42479001 | 42484000 | 0.00044388 |
| chrX  | 42480001 | 42485000 | 0.000272719 |
| chrX  | 42481001 | 42486000 | 0.003491651 |
| chrX  | 42482001 | 42487000 | 3.43E-06  |
| chrX  | 42483001 | 42488000 | 2.55E-06  |
| chrX  | 42484001 | 42489000 | 0.001368783 |
| chrX  | 42518001 | 42523000 | 0.000145452 |
| chrX  | 42544001 | 42549000 | 3.99E-05  |
| chrX  | 42545001 | 42550000 | 4.64E-06  |
| chrX  | 42594001 | 42599000 | 6.62E-08  |
| chrX  | 42595001 | 42600000 | 4.33E-05  |
| chrX  | 42596001 | 42601000 | 3.32E-06  |
| Chromosome | Start        | End          | P-value      |
|------------|--------------|--------------|-------------|
| chrX       | 42597001     | 42602000     | 4.84E-07    |
| chrX       | 42602001     | 42607000     | 0.025014555 |
| chrX       | 42685001     | 42690000     | 0.007294598 |
| chrX       | 42686001     | 42691000     | 0.023394385 |
| chrX       | 42729001     | 42734000     | 1.98E-05    |
| chrX       | 42769001     | 42774000     | 0.002841862 |
| chrX       | 42792001     | 42797000     | 0.000493225 |
| chrX       | 42793001     | 42798000     | 0.000631558 |
| chrX       | 42794001     | 42799000     | 9.50E-08    |
| chrX       | 42795001     | 42800000     | 7.71E-07    |
| chrX       | 42796001     | 42801000     | 1.30E-06    |
| chrX       | 42797001     | 42802000     | 4.39E-07    |
| chrX       | 42798001     | 42803000     | 1.54E-05    |
| chrX       | 42823001     | 42828000     | 3.48E-05    |
| chrX       | 42832001     | 42837000     | 0.00506187  |
| chrX       | 43058001     | 43063000     | 0.00048962  |
| chrX       | 43065001     | 43070000     | 0.01902009  |
| chrX       | 43066001     | 43071000     | 0.00014771  |
| chrX       | 43067001     | 43072000     | 8.04E-05    |
| chrX       | 43068001     | 43073000     | 3.59E-06    |
| chrX       | 43182001     | 43187000     | 2.99E-06    |
| chrX       | 43199001     | 43204000     | 0.0128295   |
| chrX       | 43203001     | 43208000     | 0.000198576 |
| chrX       | 43204001     | 43209000     | 3.19E-06    |
| chrX       | 43256001     | 43261000     | 6.28E-05    |
| chrX       | 43257001     | 43262000     | 0.000166113 |
| chrX       | 43258001     | 43263000     | 0.000107625 |
| chrX       | 43295001     | 43300000     | 0.001056011 |
| chrX       | 43296001     | 43301000     | 4.23E-05    |
| chrX       | 43347001     | 43352000     | 1.33E-05    |
| chrX       | 43348001     | 43353000     | 1.50E-05    |
| chrX       | 43362001     | 43367000     | 0.009230616 |
| chrX       | 43383001     | 43388000     | 0.002825955 |
| chrX       | 43432001     | 43437000     | 0.000507614 |
| chrX       | 43433001     | 43438000     | 0.000214406 |
| chrX       | 43434001     | 43439000     | 2.36E-05    |
| chrX       | 43435001     | 43440000     | 0.000459844 |
| chrX       | 43439001     | 43444000     | 0.002239552 |
| chrX       | 43506001     | 43511000     | 0.000522059 |
| chrX       | 43507001     | 43512000     | 7.67E-05    |
| chrX       | 43509001     | 43514000     | 1.07E-10    |
| chrX       | 43510001     | 43515000     | 2.80E-34    |
| chrX       | 43511001     | 43516000     | 4.98E-28    |
| chrX       | 43515001     | 43520000     | 9.09E-09    |
| chrX       | 43524001     | 43529000     | 0.003790965 |
| chrX       | 43525001     | 43530000     | 0.002981375 |
| chrX       | 43680001     | 43685000     | 0.009128405 |
| chrX       | 43805001     | 43810000     | 8.17E-09    |
| Region       | Start  | End    | p-value    |
|--------------|--------|--------|------------|
| chrX         | 43809001 | 43814000 | 1.86E-10   |
| chrX         | 44296001 | 44301000 | 0.001610337|
| chrX         | 44297001 | 44302000 | 0.002717378|
| chrX         | 44398001 | 44403000 | 2.60E-11   |
| chrX         | 44399001 | 44404000 | 3.35E-09   |
| chrX         | 44732001 | 44737000 | 3.92E-76   |
| chrX         | 44733001 | 44738000 | 5.31E-43   |
| chrX         | 45296001 | 45301000 | 0.002477461|
| chrX         | 45634001 | 45639000 | 0.000700731|
| chrX         | 46037001 | 46042000 | 1.03E-05   |
| chrX         | 46038001 | 46043000 | 2.26E-06   |
| chrX         | 46039001 | 46044000 | 8.81E-06   |
| chrX         | 46617001 | 46622000 | 6.45E-08   |
| chrX         | 46618001 | 46623000 | 3.66E-11   |
| chrX         | 46760001 | 46765000 | 4.00E-09   |
| chrX         | 46761001 | 46766000 | 5.59E-10   |
| chrX         | 46762001 | 46767000 | 4.60E-17   |
| chrX         | 46763001 | 46768000 | 1.16E-13   |
| chrX         | 46769001 | 46774000 | 2.22E-10   |
| chrX         | 46771001 | 46776000 | 4.70E-13   |
| chrX         | 47078001 | 47083000 | 6.10E-21   |
| chrX         | 47382001 | 47387000 | 0.000163594|
| chrX         | 47553001 | 47558000 | 0.00032272 |
| chrX         | 47554001 | 47559000 | 0.00084071 |
| chrX         | 47668001 | 47673000 | 7.94E-05   |
| chrX         | 47669001 | 47674000 | 0.00079944 |
| chrX         | 47740001 | 47745000 | 0.025362899|
| chrX         | 47918001 | 47923000 | 2.64E-06   |
| chrX         | 47934001 | 47939000 | 3.21E-08   |
| chrX         | 48093001 | 48098000 | 9.14E-06   |
| chrX         | 48149001 | 48154000 | 2.27E-11   |
| chrX         | 48196001 | 48201000 | 6.24E-07   |
| chrX         | 48364001 | 48369000 | 7.76E-10   |
| chrX         | 48376001 | 48381000 | 3.11E-12   |
| chrX         | 48530001 | 48535000 | 2.03E-10   |
| chrX         | 48591001 | 48596000 | 6.00E-06   |
| chrX         | 48691001 | 48696000 | 4.53E-13   |
| chrX         | 48692001 | 48697000 | 3.58E-12   |
| chrX         | 48693001 | 48698000 | 8.03E-18   |
| chrX         | 48953001 | 48958000 | 3.83E-07   |
| chrX         | 49415001 | 49420000 | 0.012806669|
| chrX         | 49416001 | 49421000 | 0.000454038|
| chrX         | 49417001 | 49422000 | 6.55E-05   |
| chrX         | 49418001 | 49423000 | 1.58E-05   |
| chrX         | 49419001 | 49424000 | 1.84E-07   |
| chrX         | 49444001 | 49449000 | 0.00110523 |
| chrX         | 49445001 | 49450000 | 4.83E-09   |
| chrX         | 49446001 | 49451000 | 2.74E-10   |
| Chr  | Start   | End     | Value      |
|------|---------|---------|------------|
| chrX | 49447001| 49452000| 9.89E-11   |
| chrX | 49448001| 49453000| 1.97E-13   |
| chrX | 49449001| 49454000| 5.49E-08   |
| chrX | 49504001| 49509000| 0.000289682|
| chrX | 49505001| 49510000| 1.17E-05   |
| chrX | 49506001| 49511000| 0.000361425|
| chrX | 49507001| 49512000| 5.29E-05   |
| chrX | 49508001| 49513000| 2.37E-09   |
| chrX | 49509001| 49514000| 3.68E-08   |
| chrX | 49510001| 49515000| 1.20E-06   |
| chrX | 49511001| 49516000| 3.38E-06   |
| chrX | 49565001| 49570000| 1.25E-05   |
| chrX | 49566001| 49571000| 9.82E-07   |
| chrX | 49881001| 49886000| 2.86E-06   |
| chrX | 49882001| 49887000| 1.19E-09   |
| chrX | 49883001| 49888000| 2.93E-05   |
| chrX | 49884001| 49889000| 0.00024981 |
| chrX | 49885001| 49890000| 0.00077481 |
| chrX | 49886001| 49891000| 0.033937994|
| chrX | 49896001| 49901000| 0.00107385 |
| chrX | 49897001| 49902000| 1.16E-05   |
| chrX | 49898001| 49903000| 0.000106565|
| chrX | 50042001| 50047000| 4.76E-14   |
| chrX | 50093001| 50098000| 7.77E-06   |
| chrX | 50094001| 50099000| 9.46E-05   |
| chrX | 50096001| 50101000| 0.002343435|
| chrX | 50097001| 50102000| 0.003644128|
| chrX | 50114001| 50119000| 1.80E-07   |
| chrX | 50180001| 50185000| 6.71E-05   |
| chrX | 50184001| 50189000| 4.56E-06   |
| chrX | 50185001| 50190000| 0.00183828 |
| chrX | 50221001| 50226000| 1.85E-08   |
| chrX | 50222001| 50227000| 6.24E-08   |
| chrX | 50223001| 50228000| 3.56E-07   |
| chrX | 50224001| 50229000| 5.82E-08   |
| chrX | 50267001| 50272000| 0.000707946|
| chrX | 50287001| 50292000| 0.000371433|
| chrX | 50288001| 50293000| 0.00043556 |
| chrX | 50289001| 50294000| 0.000139062|
| chrX | 50290001| 50295000| 0.000168212|
| chrX | 50291001| 50296000| 0.000101811|
| chrX | 50333001| 50338000| 2.90E-05   |
| chrX | 50334001| 50339000| 0.000384753|
| chrX | 50336001| 50341000| 0.003780647|
| chrX | 50337001| 50342000| 1.83E-05   |
| chrX | 50338001| 50343000| 5.03E-06   |
| chrX | 50353001| 50358000| 0.000459844|
| chrX | 50377001| 50382000| 1.28E-05   |
|      | Start Position | End Position |   p-Value |
|------|----------------|--------------|-----------|
| chrX | 50378001       | 50383000     | 3.18E-06  |
| chrX | 50379001       | 50384000     | 4.60E-12  |
| chrX | 50380001       | 50385000     | 6.26E-07  |
| chrX | 50383001       | 50388000     | 6.94E-07  |
| chrX | 50392001       | 50397000     | 1.71E-07  |
| chrX | 50394001       | 50399000     | 3.69E-05  |
| chrX | 50400001       | 50405000     | 6.54E-05  |
| chrX | 50403001       | 50408000     | 0.00207774|
| chrX | 50456001       | 50461000     | 3.62E-06  |
| chrX | 50460001       | 50465000     | 0.000216648|
| chrX | 50480001       | 50485000     | 0.000114014|
| chrX | 50481001       | 50486000     | 0.00023553|
| chrX | 50503001       | 50508000     | 3.62E-08  |
| chrX | 50504001       | 50509000     | 5.22E-06  |
| chrX | 50596001       | 50601000     | 5.99E-07  |
| chrX | 50597001       | 50602000     | 9.55E-07  |
| chrX | 50598001       | 50603000     | 7.76E-09  |
| chrX | 50612001       | 50617000     | 1.78E-09  |
| chrX | 50613001       | 50618000     | 1.79E-08  |
| chrX | 50614001       | 50619000     | 4.21E-08  |
| chrX | 50615001       | 50620000     | 3.79E-06  |
| chrX | 50697001       | 50702000     | 0.001351686|
| chrX | 50735001       | 50740000     | 0.005211599|
| chrX | 50736001       | 50741000     | 0.001831478|
| chrX | 50737001       | 50742000     | 0.000167497|
| chrX | 50738001       | 50743000     | 0.005099152|
| chrX | 50754001       | 50759000     | 4.34E-10  |
| chrX | 50755001       | 50760000     | 4.29E-12  |
| chrX | 50891001       | 50896000     | 0.013089858|
| chrX | 50957001       | 50962000     | 1.28E-05  |
| chrX | 50958001       | 50963000     | 2.84E-06  |
| chrX | 50959001       | 50964000     | 2.77E-06  |
| chrX | 50960001       | 50965000     | 3.40E-06  |
| chrX | 50979001       | 50984000     | 0.000241317|
| chrX | 50980001       | 50985000     | 9.11E-05  |
| chrX | 51051001       | 51056000     | 4.12E-05  |
| chrX | 51054001       | 51059000     | 0.000162552|
| chrX | 51092001       | 51097000     | 0.000518224|
| chrX | 51185001       | 51190000     | 0.000203588|
| chrX | 51234001       | 51239000     | 0.000265952|
| chrX | 51237001       | 51242000     | 3.87E-19  |
| chrX | 51238001       | 51243000     | 4.38E-13  |
| chrX | 51239001       | 51244000     | 1.65E-13  |
| chrX | 51246001       | 51251000     | 0.000963445|
| chrX | 51247001       | 51252000     | 0.000105472|
| chrX | 51269001       | 51274000     | 0.00025137 |
| chrX | 51294001       | 51299000     | 2.05E-08  |
| chrX | 51295001       | 51300000     | 5.40E-07  |
| Chr  | Start | End   | Value   |
|------|-------|-------|---------|
| chrX | 51296 | 51301 | 7.26E-08|
| chrX | 51297 | 51302 | 2.44E-09|
| chrX | 51298 | 51303 | 3.28E-10|
| chrX | 51299 | 51304 | 0.000331091|
| chrX | 51409 | 51414 | 0.00131932|
| chrX | 51482 | 51487 | 5.94E-10|
| chrX | 51484 | 51489 | 1.03E-13|
| chrX | 51485 | 51490 | 3.71E-15|
| chrX | 51486 | 51491 | 4.91E-14|
| chrX | 51542 | 51547 | 2.97E-05|
| chrX | 51543 | 51548 | 0.000172484|
| chrX | 51570 | 51575 | 0.000431302|
| chrX | 51680 | 51685 | 0.002287021|
| chrX | 51681 | 51686 | 0.001695265|
| chrX | 51684 | 51689 | 0.010318858|
| chrX | 51824 | 51829 | 2.97E-05|
| chrX | 51856 | 51861 | 3.07E-09|
| chrX | 51857 | 51862 | 1.32E-06|
| chrX | 51858 | 51863 | 1.87E-10|
| chrX | 51887 | 51892 | 1.03E-13|
| chrX | 51888 | 51893 | 4.24E-11|
| chrX | 51960 | 51965 | 0.002577832|
| chrX | 52020 | 52025 | 1.51E-05|
| chrX | 52021 | 52026 | 4.04E-06|
| chrX | 52644 | 52649 | 9.71E-05|
| chrX | 52907 | 52912 | 3.33E-10|
| chrX | 52908 | 52913 | 1.16E-08|
| chrX | 52921 | 52926 | 3.21E-10|
| chrX | 52922 | 52927 | 1.89E-08|
| chrX | 53025 | 53030 | 2.48E-06|
| chrX | 53107 | 53112 | 1.57E-08|
| chrX | 53109 | 53114 | 4.11E-07|
| chrX | 53110 | 53115 | 2.52E-09|
| chrX | 53350 | 53355 | 1.43E-14|
| chrX | 53449 | 53454 | 3.32E-08|
| chrX | 53461 | 53466 | 3.81E-18|
| chrX | 53651 | 53656 | 9.48E-15|
| chrX | 53652 | 53657 | 3.14E-14|
| chrX | 53706 | 53711 | 1.73E-20|
| chrX | 54066 | 54071 | 1.04E-26|
| chrX | 54170 | 54175 | 1.98E-06|
| chrX | 54206 | 54211 | 3.00E-42|
| chrX | 54207 | 54212 | 4.73E-48|
| chrX | 54208 | 54213 | 1.92E-62|
| chrX | 54209 | 54214 | 5.89E-72|
| chrX | 54229 | 54234 | 2.38E-06|
| chrX | 54291 | 54296 | 3.08E-05|
| chrX | 54292 | 54297 | 4.38E-07|
chrX  54313001  54318000  1.32E-06
chrX  54315001  54320000  1.85E-05
chrX  54462001  54467000  1.58E-08
chrX  54463001  54468000  3.18E-10
chrX  54465001  54470000  4.41E-07
chrX  54466001  54471000  1.35E-08
chrX  54517001  54522000  1.56E-08
chrX  54518001  54523000  8.22E-07
chrX  54521001  54526000  2.26E-06
chrX  54804001  54809000  0.002885713
chrX  54805001  54810000  0.000395359
chrX  54857001  54862000  4.48E-05
chrX  54858001  54863000  7.28E-06
chrX  54919001  54924000  0.001510211
chrX  54940001  54945000  0.000101933
chrX  54982001  54987000  0.005923171
chrX  54994001  54999000  1.54E-10
chrX  55022001  55027000  1.10E-13
chrX  55044001  55049000  0.00035234
chrX  55045001  55050000  0.000247864
chrX  55136001  55141000  0.001702603
chrX  55137001  55142000  3.37E-06
chrX  55138001  55143000  7.29E-06
chrX  55154001  55159000  2.15E-06
chrX  55155001  55160000  0.000357332
chrX  55204001  55209000  5.78E-06
chrX  55212001  55217000  0.003337317
chrX  55213001  55218000  0.000729581
chrX  55214001  55219000  3.14E-05
chrX  55215001  55220000  8.02E-05
chrX  55216001  55221000  0.000949289
chrX  55232001  55237000  6.95E-06
chrX  55240001  55245000  0.000454002
chrX  55254001  55259000  1.43E-05
chrX  55255001  55260000  0.000283878
chrX  55256001  55261000  0.000645995
chrX  55257001  55262000  9.83E-09
chrX  55327001  55332000  3.46E-12
chrX  55328001  55333000  6.53E-10
chrX  55330001  55335000  1.02E-05
chrX  55337001  55342000  5.45E-08
chrX  55338001  55343000  4.41E-11
chrX  55339001  55344000  7.38E-11
chrX  55373001  55378000  3.47E-05
chrX  55374001  55379000  2.87E-12
chrX  55375001  55380000  1.37E-09
chrX  55444001  55449000  0.001798184
chrX  55458001  55463000  8.67E-06
| Chrm | Start | End   | p-value         |
|------|-------|-------|----------------|
| chrX | 55471001 | 55476000 | 1.55E-09     |
| chrX | 55543001 | 55548000 | 0.000625231 |
| chrX | 55633001 | 55638000 | 2.81E-05     |
| chrX | 55635001 | 55640000 | 1.16E-06     |
| chrX | 55636001 | 55641000 | 6.45E-06     |
| chrX | 55662001 | 55667000 | 7.47E-06     |
| chrX | 55664001 | 55669000 | 0.005747877 |
| chrX | 55700001 | 55705000 | 1.71E-06     |
| chrX | 55700001 | 55705000 | 1.71E-06     |
| chrX | 55863001 | 55868000 | 1.23E-06     |
| chrX | 55870001 | 55875000 | 3.77E-06     |
| chrX | 55871001 | 55876000 | 6.06E-06     |
| chrX | 55902001 | 55907000 | 0.000364909 |
| chrX | 55903001 | 55908000 | 6.64E-05     |
| chrX | 55904001 | 55909000 | 1.17E-05     |
| chrX | 55905001 | 55910000 | 0.000139663  |
| chrX | 55906001 | 55911000 | 3.92E-06     |
| chrX | 55930001 | 55935000 | 0.000122882  |
| chrX | 55965001 | 55970000 | 9.31E-07     |
| chrX | 55966001 | 55971000 | 0.001429266  |
| chrX | 55969001 | 55974000 | 6.48E-09     |
| chrX | 55970001 | 55975000 | 8.23E-09     |
| chrX | 55971001 | 55976000 | 4.63E-08     |
| chrX | 56089001 | 56094000 | 5.93E-05     |
| chrX | 56090001 | 56095000 | 3.16E-06     |
| chrX | 56091001 | 56096000 | 1.05E-05     |
| chrX | 56092001 | 56097000 | 8.97E-07     |
| chrX | 56093001 | 56098000 | 4.08E-06     |
| chrX | 56094001 | 56099000 | 0.000429667  |
| chrX | 56095001 | 56100000 | 0.000659984  |
| chrX | 56099001 | 56104000 | 0.000147301  |
| chrX | 56106001 | 56111000 | 7.85E-06     |
| chrX | 56107001 | 56112000 | 9.40E-06     |
| chrX | 56160001 | 56165000 | 0.000283242  |
| chrX | 56161001 | 56166000 | 6.78E-05     |
| chrX | 56180001 | 56185000 | 3.45E-07     |
| chrX | 56181001 | 56186000 | 7.17E-08     |
| chrX | 56182001 | 56187000 | 1.68E-06     |
| chrX | 56229001 | 56234000 | 0.000353114  |
| chrX | 56230001 | 56235000 | 0.0005845883 |
| chrX | 56267001 | 56272000 | 0.000503437  |
| chrX | 56298001 | 56303000 | 1.42E-09     |
| chrX | 56321001 | 56326000 | 7.90E-06     |
| chrX | 56361001 | 56366000 | 2.53E-09     |
| chrX | 56362001 | 56367000 | 7.99E-10     |
| chrX | 56412001 | 56417000 | 0.000149523  |
| chrX | 56413001 | 56418000 | 1.53E-06     |
| chrX | 56414001 | 56419000 | 2.12E-08     |
| chrX | 56416001 | 56421000 | 8.39E-09     |
| chrX  | 56417001 | 56422000  | 9.02E-08 |
|-------|---------|----------|---------|
| chrX  | 56422001 | 56427000  | 9.20E-06 |
| chrX  | 56423001 | 56428000  | 6.78E-11 |
| chrX  | 56424001 | 56429000  | 6.76E-09 |
| chrX  | 56425001 | 56430000  | 5.00E-08 |
| chrX  | 56433001 | 56438000  | 7.44E-06 |
| chrX  | 56434001 | 56439000  | 1.30E-06 |
| chrX  | 56435001 | 56440000  | 8.26E-06 |
| chrX  | 56444001 | 56449000  | 2.22E-08 |
| chrX  | 56445001 | 56450000  | 4.56E-08 |
| chrX  | 56446001 | 56451000  | 5.48E-08 |
| chrX  | 56447001 | 56452000  | 8.91E-08 |
| chrX  | 56567001 | 56572000  | 9.00E-06 |
| chrX  | 56568001 | 56573000  | 0.000512963 |
| chrX  | 56672001 | 56677000  | 5.34E-07 |
| chrX  | 56673001 | 56678000  | 1.36E-07 |
| chrX  | 56691001 | 56696000  | 1.23E-05 |
| chrX  | 56692001 | 56697000  | 4.18E-08 |
| chrX  | 56693001 | 56698000  | 0.00136738 |
| chrX  | 56694001 | 56699000  | 5.34E-06 |
| chrX  | 56695001 | 56700000  | 2.03E-07 |
| chrX  | 56704001 | 56709000  | 0.001659948 |
| chrX  | 56738001 | 56743000  | 0.019907499 |
| chrX  | 56937001 | 56942000  | 2.16E-06 |
| chrX  | 56938001 | 56943000  | 5.52E-07 |
| chrX  | 57048001 | 57053000  | 9.38E-09 |
| chrX  | 57049001 | 57054000  | 1.11E-06 |
| chrX  | 57050001 | 57055000  | 3.75E-06 |
| chrX  | 57051001 | 57056000  | 7.55E-05 |
| chrX  | 57052001 | 57057000  | 5.70E-06 |
| chrX  | 57065001 | 57070000  | 2.02E-05 |
| chrX  | 57066001 | 57071000  | 7.01E-07 |
| chrX  | 57067001 | 57072000  | 3.76E-06 |
| chrX  | 57068001 | 57073000  | 2.06E-06 |
| chrX  | 57086001 | 57091000  | 0.000738864 |
| chrX  | 57087001 | 57092000  | 7.82E-05 |
| chrX  | 57088001 | 57093000  | 0.00026059 |
| chrX  | 57089001 | 57094000  | 0.00032977 |
| chrX  | 57143001 | 57148000  | 2.27E-10 |
| chrX  | 57144001 | 57149000  | 1.50E-10 |
| chrX  | 57145001 | 57150000  | 2.79E-14 |
| chrX  | 57211001 | 57216000  | 0.000447814 |
| chrX  | 57364001 | 57369000  | 0.00025792 |
| chrX  | 57365001 | 57370000  | 0.003410502 |
| chrX  | 57366001 | 57371000  | 1.58E-05 |
| chrX  | 57404001 | 57409000  | 6.93E-06 |
| chrX  | 57421001 | 57426000  | 1.32E-11 |
| chrX  | 57471001 | 57476000  | 0.00028247 |
| Chromosome | Start | End   | P-value       |
|------------|-------|-------|---------------|
| chrX       | 57497001 | 57502000 | 0.000164821   |
| chrX       | 57501001 | 57506000 | 0.000102507   |
| chrX       | 57502001 | 57507000 | 5.38E-05      |
| chrX       | 57546001 | 57551000 | 8.53E-08      |
| chrX       | 57547001 | 57552000 | 1.36E-09      |
| chrX       | 57548001 | 57553000 | 1.87E-08      |
| chrX       | 57549001 | 57554000 | 3.20E-09      |
| chrX       | 57550001 | 57555000 | 2.33E-08      |
| chrX       | 57556001 | 57561000 | 0.002434466   |
| chrX       | 57559001 | 57564000 | 2.64E-05      |
| chrX       | 57640001 | 57645000 | 2.57E-05      |
| chrX       | 57641001 | 57646000 | 0.000153657   |
| chrX       | 57642001 | 57647000 | 5.28E-05      |
| chrX       | 57643001 | 57648000 | 8.25E-05      |
| chrX       | 57644001 | 57649000 | 0.000344589   |
| chrX       | 57658001 | 57663000 | 4.41E-06      |
| chrX       | 57659001 | 57664000 | 1.50E-06      |
| chrX       | 57660001 | 57665000 | 0.001502111   |
| chrX       | 57715001 | 57720000 | 0.000277874   |
| chrX       | 57743001 | 57748000 | 1.60E-11      |
| chrX       | 57744001 | 57749000 | 3.29E-10      |
| chrX       | 57745001 | 57750000 | 8.87E-09      |
| chrX       | 57746001 | 57751000 | 1.06E-07      |
| chrX       | 57876001 | 57881000 | 3.84E-07      |
| chrX       | 57877001 | 57882000 | 9.20E-07      |
| chrX       | 57878001 | 57883000 | 2.71E-07      |
| chrX       | 57879001 | 57884000 | 5.09E-08      |
| chrX       | 57907001 | 57912000 | 0.00079726    |
| chrX       | 57942001 | 57947000 | 5.12E-06      |
| chrX       | 57968001 | 57973000 | 3.05E-06      |
| chrX       | 57996001 | 58001000 | 3.35E-06      |
| chrX       | 57997001 | 58002000 | 5.26E-05      |
| chrX       | 58056001 | 58061000 | 0.000206747   |
| chrX       | 58057001 | 58062000 | 1.71E-06      |
| chrX       | 58058001 | 58063000 | 1.06E-05      |
| chrX       | 58059001 | 58064000 | 1.79E-05      |
| chrX       | 58060001 | 58065000 | 0.000277053   |
| chrX       | 58081001 | 58086000 | 4.29E-06      |
| chrX       | 58122001 | 58127000 | 1.11E-10      |
| chrX       | 58123001 | 58128000 | 8.66E-09      |
| chrX       | 58169001 | 58174000 | 9.72E-11      |
| chrX       | 58170001 | 58175000 | 6.98E-10      |
| chrX       | 58171001 | 58176000 | 1.05E-05      |
| chrX       | 58239001 | 58244000 | 6.41E-09      |
| chrX       | 58240001 | 58245000 | 1.61E-06      |
| chrX       | 58241001 | 58246000 | 4.26E-05      |
| chrX       | 58242001 | 58247000 | 4.11E-05      |
| chrX       | 58249001 | 58254000 | 1.69E-05      |
| Chr | Start | End   | P-value       |
|-----|-------|-------|---------------|
| chrX| 63163001 | 63168000 | 0.000178653   |
| chrX| 63188001 | 63193000 | 2.07E-05      |
| chrX| 63189001 | 63194000 | 2.10E-05      |
| chrX| 63190001 | 63195000 | 0.000783489   |
| chrX| 63209001 | 63214000 | 0.000199048   |
| chrX| 63211001 | 63216000 | 0.000128715   |
| chrX| 63212001 | 63217000 | 5.65E-05      |
| chrX| 63213001 | 63218000 | 0.000294498   |
| chrX| 63220001 | 63225000 | 2.48E-06      |
| chrX| 63221001 | 63226000 | 2.81E-06      |
| chrX| 63281001 | 63286000 | 4.06E-07      |
| chrX| 63282001 | 63287000 | 1.05E-05      |
| chrX| 63283001 | 63288000 | 0.000136568   |
| chrX| 63296001 | 63301000 | 2.99E-16      |
| chrX| 63297001 | 63302000 | 5.28E-17      |
| chrX| 63298001 | 63303000 | 3.48E-18      |
| chrX| 63299001 | 63304000 | 1.68E-11      |
| chrX| 63329001 | 63334000 | 2.16E-11      |
| chrX| 63330001 | 63335000 | 5.88E-13      |
| chrX| 63331001 | 63336000 | 1.84E-10      |
| chrX| 63332001 | 63337000 | 4.34E-08      |
| chrX| 63333001 | 63338000 | 8.21E-08      |
| chrX| 63334001 | 63339000 | 0.001314127   |
| chrX| 63337001 | 63342000 | 9.19E-05      |
| chrX| 63338001 | 63343000 | 0.000143735   |
| chrX| 63365001 | 63370000 | 0.002571478   |
| chrX| 63366001 | 63371000 | 0.000266863   |
| chrX| 63367001 | 63372000 | 0.002906378   |
| chrX| 63368001 | 63373000 | 0.005810635   |
| chrX| 63380001 | 63385000 | 0.002002825   |
| chrX| 63381001 | 63386000 | 0.003016197   |
| chrX| 63441001 | 63446000 | 2.19E-08      |
| chrX| 63444001 | 63449000 | 1.90E-07      |
| chrX| 63460001 | 63465000 | 0.007900067   |
| chrX| 63464001 | 63469000 | 0.000399716   |
| chrX| 63465001 | 63470000 | 0.002418761   |
| chrX| 63466001 | 63471000 | 0.00031794    |
| chrX| 63467001 | 63472000 | 0.000262701   |
| chrX| 63468001 | 63473000 | 8.70E-06      |
| chrX| 63469001 | 63474000 | 9.36E-09      |
| chrX| 63470001 | 63475000 | 9.36E-09      |
| chrX| 63471001 | 63476000 | 7.01E-08      |
| chrX| 63492001 | 63497000 | 0.003337317   |
| chrX| 63530001 | 63535000 | 2.41E-10      |
| chrX| 63532001 | 63537000 | 7.31E-07      |
| chrX| 63533001 | 63538000 | 1.55E-08      |
| chrX| 63534001 | 63539000 | 1.34E-11      |
| chrX| 63579001 | 63584000 | 3.08E-07      |
| chrX | Region Start | Region End | Log10(P-value) |
|------|--------------|------------|----------------|
| chrX | 63593001     | 63598000   | 0.001168365    |
| chrX | 63594001     | 63599000   | 0.000221753    |
| chrX | 63628001     | 63633000   | 1.50E-06       |
| chrX | 63629001     | 63634000   | 2.18E-07       |
| chrX | 63630001     | 63635000   | 4.68E-08       |
| chrX | 63631001     | 63636000   | 1.78E-08       |
| chrX | 63632001     | 63637000   | 1.65E-09       |
| chrX | 63638001     | 63643000   | 0.000147568    |
| chrX | 63639001     | 63644000   | 1.11E-06       |
| chrX | 63640001     | 63645000   | 3.74E-06       |
| chrX | 63641001     | 63646000   | 8.87E-06       |
| chrX | 63642001     | 63647000   | 5.44E-06       |
| chrX | 63643001     | 63648000   | 0.000681423    |
| chrX | 63644001     | 63649000   | 0.004207068    |
| chrX | 63669001     | 63674000   | 2.63E-06       |
| chrX | 63670001     | 63675000   | 2.82E-07       |
| chrX | 63671001     | 63676000   | 4.42E-07       |
| chrX | 63672001     | 63677000   | 0.000172206    |
| chrX | 63691001     | 63696000   | 5.57E-05       |
| chrX | 63717001     | 63722000   | 2.40E-09       |
| chrX | 63724001     | 63729000   | 2.80E-07       |
| chrX | 63725001     | 63730000   | 6.84E-09       |
| chrX | 63726001     | 63731000   | 1.56E-08       |
| chrX | 63727001     | 63732000   | 1.77E-07       |
| chrX | 63728001     | 63733000   | 1.08E-05       |
| chrX | 63729001     | 63734000   | 4.91E-08       |
| chrX | 63730001     | 63735000   | 1.22E-07       |
| chrX | 63731001     | 63736000   | 1.23E-08       |
| chrX | 63755001     | 63760000   | 0.001063423    |
| chrX | 63756001     | 63761000   | 0.000729159    |
| chrX | 63757001     | 63762000   | 3.02E-06       |
| chrX | 63758001     | 63763000   | 0.000194529    |
| chrX | 63759001     | 63764000   | 0.004943443    |
| chrX | 63793001     | 63798000   | 1.18E-09       |
| chrX | 63794001     | 63799000   | 4.64E-07       |
| chrX | 63795001     | 63800000   | 3.96E-06       |
| chrX | 63843001     | 63848000   | 0.015129314    |
| chrX | 63847001     | 63852000   | 3.59E-07       |
| chrX | 63848001     | 63853000   | 0.000150467    |
| chrX | 63849001     | 63854000   | 3.26E-05       |
| chrX | 63851001     | 63856000   | 3.93E-06       |
| chrX | 63855001     | 63860000   | 0.001086942    |
| chrX | 63867001     | 63872000   | 9.59E-11       |
| chrX | 63868001     | 63873000   | 1.35E-15       |
| chrX | 63879001     | 63884000   | 6.77E-08       |
| chrX | 63880001     | 63885000   | 7.36E-10       |
| chrX | 63902001     | 63907000   | 3.46E-05       |
| chrX | 63906001     | 63911000   | 5.85E-07       |
| chrX | 63907001 | 63912000 | 3.26E-07 |
|------|---------|---------|----------|
| chrX | 63916001 | 63921000 | 7.75E-06 |
| chrX | 64013001 | 64018000 | 4.13E-07 |
| chrX | 64014001 | 64019000 | 1.57E-09 |
| chrX | 64015001 | 64020000 | 5.08E-09 |
| chrX | 64016001 | 64021000 | 7.07E-11 |
| chrX | 64017001 | 64022000 | 9.63E-09 |
| chrX | 64024001 | 64029000 | 0.00149775 |
| chrX | 64058001 | 64063000 | 1.29E-07 |
| chrX | 64059001 | 64064000 | 1.22E-08 |
| chrX | 64090001 | 64095000 | 0.001667179 |
| chrX | 64097001 | 64102000 | 2.23E-17 |
| chrX | 64098001 | 64103000 | 2.52E-18 |
| chrX | 64099001 | 64104000 | 7.10E-15 |
| chrX | 64101001 | 64106000 | 0.000224242 |
| chrX | 64107001 | 64112000 | 3.23E-06 |
| chrX | 64108001 | 64113000 | 3.67E-05 |
| chrX | 64301001 | 64306000 | 6.02E-05 |
| chrX | 64302001 | 64307000 | 2.18E-05 |
| chrX | 64303001 | 64308000 | 1.10E-08 |
| chrX | 64312001 | 64317000 | 0.001073128 |
| chrX | 64313001 | 64318000 | 0.000512908 |
| chrX | 64346001 | 64351000 | 0.000201013 |
| chrX | 64352001 | 64357000 | 5.75E-12 |
| chrX | 64353001 | 64358000 | 5.81E-08 |
| chrX | 64358001 | 64363000 | 1.33E-05 |
| chrX | 64408001 | 64413000 | 2.45E-06 |
| chrX | 64409001 | 64414000 | 8.09E-06 |
| chrX | 64411001 | 64416000 | 4.80E-06 |
| chrX | 64419001 | 64424000 | 0.001183897 |
| chrX | 64420001 | 64425000 | 0.00047378 |
| chrX | 64458001 | 64463000 | 4.43E-11 |
| chrX | 64459001 | 64464000 | 4.65E-12 |
| chrX | 64460001 | 64465000 | 1.53E-12 |
| chrX | 64627001 | 64632000 | 3.40E-15 |
| chrX | 64638001 | 64643000 | 0.00389812 |
| chrX | 64648001 | 64653000 | 0.012291896 |
| chrX | 64691001 | 64696000 | 5.82E-06 |
| chrX | 64692001 | 64697000 | 1.70E-07 |
| chrX | 64693001 | 64698000 | 1.46E-07 |
| chrX | 64694001 | 64699000 | 0.000101281 |
| chrX | 64774001 | 64779000 | 6.37E-06 |
| chrX | 64775001 | 64780000 | 5.62E-06 |
| chrX | 64801001 | 64806000 | 2.06E-08 |
| chrX | 64822001 | 64827000 | 0.001963781 |
| chrX | 64823001 | 64828000 | 0.000520388 |
| chrX | 64824001 | 64829000 | 0.000122844 |
| chrX | 64833001 | 64838000 | 1.84E-06 |
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|---------------|
| chrX       | 66103001 | 66108000 | 3.94E-05     |
| chrX       | 66104001 | 66109000 | 4.14E-05     |
| chrX       | 66105001 | 66110000 | 0.000310316  |
| chrX       | 66106001 | 66110000 | 1.27E-10     |
| chrX       | 66107001 | 66112000 | 6.17E-09     |
| chrX       | 66108001 | 66113000 | 0.000160976  |
| chrX       | 66109001 | 66114000 | 0.000842895  |
| chrX       | 66110001 | 66115000 | 7.91E-06     |
| chrX       | 66111001 | 66116000 | 5.71E-06     |
| chrX       | 66112001 | 66117000 | 5.97E-08     |
| chrX       | 66113001 | 66118000 | 1.67E-06     |
| chrX       | 66114001 | 66119000 | 3.87E-07     |
| chrX       | 66115001 | 66120000 | 1.98E-06     |
| chrX       | 66116001 | 66121000 | 1.61E-06     |
| chrX       | 66117001 | 66122000 | 0.001888903  |
| chrX       | 66118001 | 66123000 | 3.13E-05     |
| chrX       | 66119001 | 66124000 | 1.45E-05     |
| chrX       | 66120001 | 66125000 | 2.50E-07     |
| chrX       | 66121001 | 66126000 | 0.000449888  |
| chrX       | 66122001 | 66127000 | 0.000348041  |
| chrX       | 66123001 | 66128000 | 0.001727828  |
| chrX       | 66124001 | 66129000 | 4.33E-06     |
| chrX       | 66125001 | 66130000 | 0.000224803  |
| chrX       | 66126001 | 66131000 | 3.54E-11     |
| chrX       | 66127001 | 66132000 | 3.03E-11     |
| chrX       | 66128001 | 66133000 | 1.35E-12     |
| chrX       | 66129001 | 66134000 | 2.68E-10     |
| chrX       | 66130001 | 66135000 | 6.82E-07     |
| chrX       | 66131001 | 66136000 | 3.50E-05     |
| chrX       | 66132001 | 66137000 | 3.31E-05     |
| chrX       | 66133001 | 66138000 | 1.69E-05     |
| chrX       | 66134001 | 66139000 | 0.000530701  |
| chrX       | 66135001 | 66140000 | 0.000740191  |
| chrX       | 66136001 | 66141000 | 1.11E-06     |
| chrX       | 66137001 | 66142000 | 5.92E-06     |
| chrX       | 66138001 | 66143000 | 0.000187107  |
| chrX       | 66139001 | 66144000 | 0.000544104  |
| chrX       | 66140001 | 66145000 | 5.82E-05     |
| chrX       | 66141001 | 66146000 | 2.00E-06     |
| chrX       | 66142001 | 66147000 | 4.14E-08     |
| chrX       | 66143001 | 66149000 | 0.00019154   |
| chrX       | 66144001 | 66150000 | 0.002808752  |
| chrX       | 66145001 | 66151000 | 0.001195155  |
| chrX       | 66146001 | 66152000 | 0.000729586  |
| chrX       | 66147001 | 66153000 | 0.000729586  |
| Chr  | Start  | End    | P-value      |
|------|--------|--------|--------------|
| chrX | 66622001 | 66627000 | 2.77E-05     |
| chrX | 66637001 | 66642000 | 0.00385107   |
| chrX | 66638001 | 66643000 | 0.00234996   |
| chrX | 66639001 | 66644000 | 1.06E-05     |
| chrX | 66640001 | 66645000 | 3.29E-06     |
| chrX | 66641001 | 66646000 | 3.77E-06     |
| chrX | 66645001 | 66650000 | 0.00976283   |
| chrX | 66646001 | 66651000 | 0.02119889   |
| chrX | 66693001 | 66698000 | 9.16E-05     |
| chrX | 66759001 | 66764000 | 7.26E-09     |
| chrX | 66760001 | 66765000 | 2.37E-13     |
| chrX | 66761001 | 66766000 | 5.09E-11     |
| chrX | 66762001 | 66767000 | 2.07E-09     |
| chrX | 66763001 | 66768000 | 1.54E-09     |
| chrX | 66877001 | 66882000 | 7.33E-06     |
| chrX | 66921001 | 66926000 | 0.00359948   |
| chrX | 66972001 | 66977000 | 0.004784377  |
| chrX | 66973001 | 66978000 | 0.001927596  |
| chrX | 66974001 | 66979000 | 0.00235242   |
| chrX | 66975001 | 66980000 | 0.001796573  |
| chrX | 66990001 | 66995000 | 5.73E-05     |
| chrX | 67015001 | 67020000 | 0.002627215  |
| chrX | 67016001 | 67021000 | 0.00010361   |
| chrX | 67017001 | 67022000 | 6.26E-05     |
| chrX | 67018001 | 67023000 | 0.000996224  |
| chrX | 67019001 | 67024000 | 0.00179747   |
| chrX | 67043001 | 67048000 | 2.84E-05     |
| chrX | 67060001 | 67065000 | 0.002038105  |
| chrX | 67061001 | 67066000 | 0.000235373  |
| chrX | 67062001 | 67067000 | 9.36E-05     |
| chrX | 67082001 | 67087000 | 0.000331034  |
| chrX | 67097001 | 67102000 | 6.44E-05     |
| chrX | 67098001 | 67103000 | 1.38E-06     |
| chrX | 67099001 | 67104000 | 1.90E-05     |
| chrX | 67100001 | 67105000 | 2.30E-06     |
| chrX | 67122001 | 67127000 | 0.000429339  |
| chrX | 67123001 | 67128000 | 0.00143088   |
| chrX | 67163001 | 67168000 | 0.002391892  |
| chrX | 67164001 | 67169000 | 0.004693576  |
| chrX | 67166001 | 67171000 | 0.002076279  |
| chrX | 67182001 | 67187000 | 4.42E-05     |
| chrX | 67185001 | 67190000 | 0.007254781  |
| chrX | 67209001 | 67214000 | 0.020154263  |
| chrX | 67213001 | 67218000 | 0.002175612  |
| chrX | 67225001 | 67230000 | 1.27E-09     |
| chrX | 67230001 | 67235000 | 7.97E-06     |
| chrX | 67254001 | 67259000 | 1.86E-05     |
| chrX | 67255001 | 67260000 | 1.44E-05     |
| Chromosome | Start Base | End Base | P-Value   |
|------------|------------|----------|-----------|
| chrX       | 67256001   | 67261000 | 5.80E-08  |
| chrX       | 67257001   | 67262000 | 1.04E-07  |
| chrX       | 67778001   | 67783000 | 1.18E-05  |
| chrX       | 67840001   | 67845000 | 3.60E-06  |
| chrX       | 67921001   | 67926000 | 2.50E-06  |
| chrX       | 67922001   | 67927000 | 1.78E-05  |
| chrX       | 67957001   | 67962000 | 3.39E-14  |
| chrX       | 67959001   | 67964000 | 1.46E-06  |
| chrX       | 68191001   | 68196000 | 1.74E-09  |
| chrX       | 68192001   | 68197000 | 2.76E-18  |
| chrX       | 68193001   | 68198000 | 5.39E-20  |
| chrX       | 68194001   | 68199000 | 7.20E-12  |
| chrX       | 68226001   | 68231000 | 0.00997232|
| chrX       | 68230001   | 68235000 | 0.00259427|
| chrX       | 68259001   | 68264000 | 0.00099881|
| chrX       | 68260001   | 68265000 | 0.00130777|
| chrX       | 68261001   | 68266000 | 6.57E-05  |
| chrX       | 68619001   | 68624000 | 0.00291653|
| chrX       | 68620001   | 68625000 | 0.00258230|
| chrX       | 68623001   | 68628000 | 0.00028244|
| chrX       | 68659001   | 68664000 | 7.65E-08  |
| chrX       | 68660001   | 68665000 | 1.81E-06  |
| chrX       | 68811001   | 68816000 | 6.25E-05  |
| chrX       | 68869001   | 68874000 | 0.00087846|
| chrX       | 68890001   | 68895000 | 0.00037518|
| chrX       | 68935001   | 68940000 | 4.78E-05  |
| chrX       | 68936001   | 68941000 | 1.75E-06  |
| chrX       | 68937001   | 68942000 | 8.09E-09  |
| chrX       | 68938001   | 68943000 | 1.60E-09  |
| chrX       | 68968001   | 68973000 | 6.24E-08  |
| chrX       | 69001001   | 69006000 | 0.00023577|
| chrX       | 69012001   | 69017000 | 1.90E-06  |
| chrX       | 69013001   | 69018000 | 2.90E-06  |
| chrX       | 69014001   | 69019000 | 1.25E-07  |
| chrX       | 69015001   | 69020000 | 7.13E-09  |
| chrX       | 69016001   | 69021000 | 1.92E-05  |
| chrX       | 69017001   | 69022000 | 0.00225881|
| chrX       | 69030001   | 69035000 | 4.08E-07  |
| chrX       | 69034001   | 69039000 | 8.49E-09  |
| chrX       | 69050001   | 69055000 | 0.00025315|
| chrX       | 69051001   | 69056000 | 1.33E-08  |
| chrX       | 69052001   | 69057000 | 1.57E-11  |
| chrX       | 69053001   | 69058000 | 6.12E-11  |
| chrX       | 69066001   | 69071000 | 0.00335622|
| chrX       | 69081001   | 69086000 | 0.00032266|
| chrX       | 69136001   | 69141000 | 0.00152325|
| chrX       | 69137001   | 69142000 | 0.00078128|
| chrX       | 69138001   | 69143000 | 4.05E-09  |
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|---------------|
| chrX       | 69140001 | 69145000 | 2.44E-08     |
| chrX       | 69141001 | 69146000 | 6.11E-07     |
| chrX       | 69163001 | 69168000 | 0.00013429   |
| chrX       | 69177001 | 69182000 | 0.001617219  |
| chrX       | 69178001 | 69183000 | 0.00217682   |
| chrX       | 69181001 | 69186000 | 0.00461628   |
| chrX       | 69481001 | 69486000 | 1.65E-05     |
| chrX       | 69649001 | 69654000 | 1.39E-10     |
| chrX       | 69650001 | 69655000 | 1.36E-11     |
| chrX       | 69651001 | 69656000 | 2.00E-09     |
| chrX       | 69652001 | 69657000 | 3.72E-08     |
| chrX       | 69729001 | 69734000 | 0.000364888  |
| chrX       | 69804001 | 69809000 | 4.82E-05     |
| chrX       | 69820001 | 69825000 | 1.31E-05     |
| chrX       | 69861001 | 69866000 | 8.81E-05     |
| chrX       | 69916001 | 69921000 | 0.001838299  |
| chrX       | 69952001 | 69957000 | 3.21E-10     |
| chrX       | 70002001 | 70007000 | 1.76E-06     |
| chrX       | 70003001 | 70008000 | 7.52E-07     |
| chrX       | 70012001 | 70017000 | 1.02E-08     |
| chrX       | 70013001 | 70018000 | 7.02E-05     |
| chrX       | 70014001 | 70019000 | 0.00136653   |
| chrX       | 70015001 | 70020000 | 6.18E-05     |
| chrX       | 70147001 | 70152000 | 7.63E-15     |
| chrX       | 70149001 | 70154000 | 5.03E-15     |
| chrX       | 70216001 | 70221000 | 0.003151604  |
| chrX       | 70217001 | 70222000 | 3.96E-07     |
| chrX       | 70218001 | 70223000 | 2.23E-09     |
| chrX       | 70219001 | 70224000 | 2.63E-07     |
| chrX       | 70284001 | 70289000 | 9.90E-06     |
| chrX       | 70285001 | 70290000 | 4.42E-09     |
| chrX       | 70286001 | 70291000 | 3.69E-11     |
| chrX       | 70287001 | 70292000 | 2.97E-12     |
| chrX       | 70288001 | 70293000 | 7.42E-12     |
| chrX       | 71024001 | 71029000 | 0.003147108  |
| chrX       | 71117001 | 71122000 | 2.66E-15     |
| chrX       | 71120001 | 71125000 | 7.36E-13     |
| chrX       | 71127001 | 71132000 | 1.83E-15     |
| chrX       | 71128001 | 71133000 | 1.22E-12     |
| chrX       | 71130001 | 71135000 | 1.78E-05     |
| chrX       | 71139001 | 71144000 | 0.00013969   |
| chrX       | 71161001 | 71166000 | 9.83E-05     |
| chrX       | 71162001 | 71167000 | 1.70E-05     |
| chrX       | 71189001 | 71194000 | 3.37E-05     |
| chrX       | 71193001 | 71198000 | 7.83E-06     |
| chrX       | 71194001 | 71199000 | 0.001249077  |
| chrX       | 71196001 | 71201000 | 2.09E-05     |
| chrX       | 71197001 | 71202000 | 5.13E-08     |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|-------------|---------|
| chrX       | 71198001       | 71203000    | 0.000247837 |
| chrX       | 71200001       | 71205000    | 4.04E-05   |
| chrX       | 71236001       | 71241000    | 6.75E-07   |
| chrX       | 71237001       | 71242000    | 1.63E-07   |
| chrX       | 71337001       | 71342000    | 0.015881897 |
| chrX       | 71347001       | 71352000    | 1.07E-08   |
| chrX       | 71348001       | 71353000    | 1.15E-10   |
| chrX       | 71349001       | 71354000    | 2.25E-09   |
| chrX       | 71350001       | 71355000    | 7.54E-07   |
| chrX       | 71351001       | 71356000    | 2.69E-06   |
| chrX       | 71368001       | 71373000    | 1.23E-06   |
| chrX       | 71929001       | 71934000    | 4.14E-19   |
| chrX       | 71933001       | 71938000    | 4.86E-25   |
| chrX       | 72196001       | 72201000    | 6.74E-05   |
| chrX       | 72198001       | 72203000    | 1.00E-05   |
| chrX       | 72340001       | 72345000    | 1.56E-05   |
| chrX       | 72368001       | 72373000    | 0.00016945 |
| chrX       | 72382001       | 72387000    | 0.000165654 |
| chrX       | 72383001       | 72388000    | 0.000401275 |
| chrX       | 72384001       | 72389000    | 0.000187708 |
| chrX       | 72385001       | 72390000    | 0.000460667 |
| chrX       | 72386001       | 72391000    | 0.001227669 |
| chrX       | 72415001       | 72420000    | 0.016392989 |
| chrX       | 72416001       | 72421000    | 0.011642255 |
| chrX       | 72429001       | 72434000    | 0.000382672 |
| chrX       | 72444001       | 72449000    | 5.20E-05   |
| chrX       | 72445001       | 72450000    | 0.001082654 |
| chrX       | 72446001       | 72451000    | 3.90E-06   |
| chrX       | 72448001       | 72453000    | 2.13E-05   |
| chrX       | 72520001       | 72525000    | 5.83E-08   |
| chrX       | 72521001       | 72526000    | 3.13E-11   |
| chrX       | 72522001       | 72527000    | 7.38E-12   |
| chrX       | 72523001       | 72528000    | 2.26E-08   |
| chrX       | 72524001       | 72529000    | 1.37E-06   |
| chrX       | 72587001       | 72592000    | 2.43E-05   |
| chrX       | 72621001       | 72626000    | 3.82E-11   |
| chrX       | 72622001       | 72627000    | 3.37E-09   |
| chrX       | 72635001       | 72640000    | 0.005996011 |
| chrX       | 72636001       | 72641000    | 0.001453387 |
| chrX       | 72638001       | 72643000    | 5.72E-05   |
| chrX       | 72639001       | 72644000    | 7.99E-05   |
| chrX       | 72640001       | 72645000    | 5.57E-05   |
| chrX       | 72641001       | 72646000    | 8.64E-05   |
| chrX       | 72695001       | 72700000    | 1.92E-07   |
| chrX       | 72696001       | 72701000    | 2.30E-09   |
| chrX       | 72698001       | 72703000    | 2.92E-12   |
| chrX       | 72767001       | 72772000    | 0.004603125 |
| chrX       | 72769001       | 72774000    | 0.000879826 |
| Chromosome | Start | End   | Log10P |
|------------|-------|-------|--------|
| chrX       | 72925001 | 72930000 | 0.000260003 |
| chrX       | 72994001 | 72999000 | 1.64E-07 |
| chrX       | 73573001 | 73578000 | 0.000112205 |
| chrX       | 73591001 | 73596000 | 1.53E-05 |
| chrX       | 73592001 | 73597000 | 0.000731652 |
| chrX       | 73593001 | 73598000 | 0.000895549 |
| chrX       | 73716001 | 73721000 | 1.07E-06 |
| chrX       | 73904001 | 73909000 | 8.15E-08 |
| chrX       | 73906001 | 73911000 | 7.89E-08 |
| chrX       | 73907001 | 73912000 | 1.05E-12 |
| chrX       | 73908001 | 73913000 | 3.68E-16 |
| chrX       | 73909001 | 73914000 | 2.88E-14 |
| chrX       | 73910001 | 73915000 | 1.13E-15 |
| chrX       | 73911001 | 73916000 | 3.76E-15 |
| chrX       | 73912001 | 73917000 | 3.38E-13 |
| chrX       | 73935001 | 73940000 | 4.28E-07 |
| chrX       | 73936001 | 73941000 | 1.71E-05 |
| chrX       | 73957001 | 73962000 | 2.03E-06 |
| chrX       | 73980001 | 73985000 | 1.92E-08 |
| chrX       | 73981001 | 73986000 | 1.15E-07 |
| chrX       | 74018001 | 74023000 | 0.000430244 |
| chrX       | 74035001 | 74040000 | 3.75E-05 |
| chrX       | 74036001 | 74041000 | 4.30E-05 |
| chrX       | 74037001 | 74042000 | 2.01E-06 |
| chrX       | 74038001 | 74043000 | 3.05E-06 |
| chrX       | 74057001 | 74062000 | 1.37E-09 |
| chrX       | 74058001 | 74063000 | 3.30E-11 |
| chrX       | 74065001 | 74070000 | 1.59E-05 |
| chrX       | 74066001 | 74071000 | 2.68E-06 |
| chrX       | 74067001 | 74072000 | 0.000205603 |
| chrX       | 74068001 | 74073000 | 9.02E-06 |
| chrX       | 74069001 | 74074000 | 2.51E-05 |
| chrX       | 74091001 | 74096000 | 8.56E-07 |
| chrX       | 74092001 | 74097000 | 6.01E-08 |
| chrX       | 74093001 | 74098000 | 7.71E-13 |
| chrX       | 74094001 | 74099000 | 1.22E-14 |
| chrX       | 74095001 | 74100000 | 6.34E-17 |
| chrX       | 74119001 | 74124000 | 4.32E-07 |
| chrX       | 74120001 | 74125000 | 6.61E-06 |
| chrX       | 74121001 | 74126000 | 5.18E-05 |
| chrX       | 74132001 | 74137000 | 0.000433861 |
| chrX       | 74161001 | 74166000 | 0.00180895 |
| chrX       | 74162001 | 74167000 | 0.000251634 |
| chrX       | 74189001 | 74194000 | 3.52E-08 |
| chrX       | 74190001 | 74195000 | 1.58E-06 |
| chrX       | 74191001 | 74196000 | 5.11E-07 |
| chrX       | 74192001 | 74197000 | 0.000457543 |
| chrX       | 74193001 | 74198000 | 5.78E-07 |
| chrX       | 74194001 | 74199000 | 1.97E-09 |
| chrX       | 74195001 | 74200000 | 3.08E-07 |
| chrX       | 74196001 | 74201000 | 1.27E-08 |
| chrX       | 74197001 | 74202000 | 3.66E-07 |
| chrX       | 74198001 | 74203000 | 0.000120897 |
| chrX       | 74199001 | 74204000 | 7.13E-05 |
| chrX       | 74200001 | 74205000 | 1.13E-07 |
| chrX       | 74201001 | 74206000 | 1.62E-06 |
| chrX       | 74202001 | 74207000 | 1.82E-06 |
| chrX       | 74203001 | 74208000 | 9.87E-06 |
| chrX       | 74204001 | 74209000 | 1.64E-07 |
| chrX       | 74205001 | 74210000 | 1.59E-07 |
| chrX       | 74206001 | 74211000 | 3.38E-06 |
| chrX       | 74207001 | 74212000 | 4.33E-06 |
| chrX       | 74208001 | 74213000 | 9.53E-06 |
| chrX       | 74209001 | 74214000 | 1.68E-07 |
| chrX  | 74194001 | 74199000 | 4.64E-06 |
|-------|----------|----------|----------|
| chrX  | 74195001 | 74200000 | 9.36E-06 |
| chrX  | 74196001 | 74201000 | 7.26E-06 |
| chrX  | 74197001 | 74202000 | 1.94E-06 |
| chrX  | 74198001 | 74203000 | 1.50E-05 |
| chrX  | 74201001 | 74206000 | 0.001454629 |
| chrX  | 74212001 | 74217000 | 8.59E-11 |
| chrX  | 74213001 | 74218000 | 3.21E-12 |
| chrX  | 74261001 | 74266000 | 9.77E-06 |
| chrX  | 74264001 | 74269000 | 4.54E-05 |
| chrX  | 74412001 | 74417000 | 9.43E-06 |
| chrX  | 74413001 | 74418000 | 2.17E-06 |
| chrX  | 74414001 | 74419000 | 2.17E-06 |
| chrX  | 74421001 | 74426000 | 2.00E-05 |
| chrX  | 74422001 | 74427000 | 7.51E-10 |
| chrX  | 74423001 | 74428000 | 1.54E-12 |
| chrX  | 74424001 | 74429000 | 7.32E-12 |
| chrX  | 74425001 | 74430000 | 1.00E-06 |
| chrX  | 74426001 | 74431000 | 4.86E-06 |
| chrX  | 74451001 | 74456000 | 3.55E-10 |
| chrX  | 74452001 | 74457000 | 1.34E-09 |
| chrX  | 74468001 | 74473000 | 1.26E-09 |
| chrX  | 74496001 | 74501000 | 0.000320223 |
| chrX  | 74497001 | 74502000 | 0.000810994 |
| chrX  | 74498001 | 74503000 | 0.000405771 |
| chrX  | 74499001 | 74504000 | 7.43E-05 |
| chrX  | 74670001 | 74675000 | 8.38E-06 |
| chrX  | 74671001 | 74676000 | 4.63E-07 |
| chrX  | 74672001 | 74677000 | 1.02E-12 |
| chrX  | 74673001 | 74678000 | 1.06E-11 |
| chrX  | 74691001 | 74696000 | 1.89E-11 |
| chrX  | 74692001 | 74697000 | 1.40E-09 |
| chrX  | 74694001 | 74699000 | 2.59E-09 |
| chrX  | 74709001 | 74714000 | 7.38E-17 |
| chrX  | 74710001 | 74715000 | 1.43E-11 |
| chrX  | 74711001 | 74716000 | 1.52E-10 |
| chrX  | 74712001 | 74717000 | 2.75E-11 |
| chrX  | 74736001 | 74741000 | 5.25E-06 |
| chrX  | 74835001 | 74840000 | 1.24E-19 |
| chrX  | 74836001 | 74841000 | 6.73E-23 |
| chrX  | 74837001 | 74842000 | 1.45E-16 |
| chrX  | 74838001 | 74843000 | 1.04E-07 |
| chrX  | 74839001 | 74844000 | 0.00041986 |
| chrX  | 74847001 | 74852000 | 3.47E-06 |
| chrX  | 74854001 | 74859000 | 9.76E-12 |
| chrX  | 74859001 | 74864000 | 4.68E-06 |
| chrX  | 74870001 | 74875000 | 2.52E-09 |
| chrX  | 74871001 | 74876000 | 1.03E-07 |
| Chromosome | Start | End   | p-value  |
|------------|-------|-------|----------|
| chrX       | 74882001 | 74887000 | 4.49E-05 |
| chrX       | 74949001 | 74954000 | 0.00123423 |
| chrX       | 74951001 | 74956000 | 1.54E-05 |
| chrX       | 74963001 | 74968000 | 3.17E-17 |
| chrX       | 75007001 | 75012000 | 8.55E-06 |
| chrX       | 75008001 | 75013000 | 1.01E-05 |
| chrX       | 75011001 | 75016000 | 0.000331962 |
| chrX       | 75015001 | 75020000 | 6.00E-05 |
| chrX       | 75017001 | 75022000 | 8.65E-05 |
| chrX       | 75037001 | 75042000 | 1.87E-05 |
| chrX       | 75038001 | 75043000 | 2.45E-06 |
| chrX       | 75061001 | 75066000 | 2.26E-06 |
| chrX       | 75062001 | 75067000 | 1.20E-07 |
| chrX       | 75063001 | 75068000 | 4.60E-06 |
| chrX       | 75070001 | 75075000 | 1.08E-05 |
| chrX       | 75071001 | 75076000 | 2.91E-06 |
| chrX       | 75155001 | 75160000 | 2.90E-08 |
| chrX       | 75156001 | 75161000 | 2.26E-08 |
| chrX       | 75157001 | 75162000 | 1.88E-05 |
| chrX       | 75175001 | 75180000 | 8.25E-05 |
| chrX       | 75177001 | 75182000 | 2.20E-06 |
| chrX       | 75178001 | 75183000 | 2.87E-05 |
| chrX       | 75182001 | 75187000 | 6.47E-05 |
| chrX       | 75183001 | 75188000 | 1.79E-05 |
| chrX       | 75184001 | 75189000 | 0.000160387 |
| chrX       | 75185001 | 75190000 | 0.000155332 |
| chrX       | 75228001 | 75233000 | 1.70E-07 |
| chrX       | 75229001 | 75234000 | 2.70E-07 |
| chrX       | 75235001 | 75240000 | 1.61E-09 |
| chrX       | 75280001 | 75285000 | 0.000420086 |
| chrX       | 75348001 | 75353000 | 7.95E-05 |
| chrX       | 75388001 | 75393000 | 3.73E-11 |
| chrX       | 75389001 | 75394000 | 4.48E-16 |
| chrX       | 75390001 | 75395000 | 1.66E-17 |
| chrX       | 75391001 | 75396000 | 2.17E-21 |
| chrX       | 75392001 | 75397000 | 1.05E-22 |
| chrX       | 75393001 | 75398000 | 4.76E-21 |
| chrX       | 75410001 | 75415000 | 0.001795789 |
| chrX       | 75411001 | 75416000 | 0.002129097 |
| chrX       | 75427001 | 75432000 | 1.68E-06 |
| chrX       | 75428001 | 75433000 | 2.00E-07 |
| chrX       | 75629001 | 75634000 | 7.71E-07 |
| chrX       | 75630001 | 75635000 | 4.18E-07 |
| chrX       | 75698001 | 75703000 | 1.31E-06 |
| chrX       | 75699001 | 75704000 | 1.25E-06 |
| chrX       | 75700001 | 75705000 | 7.07E-08 |
| chrX       | 75701001 | 75706000 | 4.37E-11 |
| chrX       | 75702001 | 75707000 | 2.25E-13 |
| chrX | 75703001 | 75708000 | 3.29E-09 |
|------|---------|---------|----------|
| chrX | 75706001 | 75711000 | 1.60E-07 |
| chrX | 75749001 | 75754000 | 1.07E-05 |
| chrX | 75750001 | 75755000 | 2.06E-06 |
| chrX | 75751001 | 75756000 | 0.00216771 |
| chrX | 75752001 | 75757000 | 9.50E-06 |
| chrX | 75753001 | 75758000 | 1.34E-08 |
| chrX | 75759001 | 75764000 | 0.00229615 |
| chrX | 75760001 | 75765000 | 3.92E-06 |
| chrX | 75761001 | 75766000 | 7.32E-08 |
| chrX | 75762001 | 75767000 | 8.34E-09 |
| chrX | 75763001 | 75768000 | 2.84E-09 |
| chrX | 75817001 | 75822000 | 1.16E-05 |
| chrX | 75839001 | 75847000 | 2.38E-05 |
| chrX | 75854001 | 75859000 | 1.05E-08 |
| chrX | 76092001 | 76097000 | 0.00113481 |
| chrX | 76109001 | 76114000 | 8.94E-06 |
| chrX | 76111001 | 76116000 | 6.50E-06 |
| chrX | 76127001 | 76132000 | 0.010968151 |
| chrX | 76146001 | 76151000 | 1.05E-10 |
| chrX | 76147001 | 76152000 | 7.94E-10 |
| chrX | 76148001 | 76153000 | 8.11E-11 |
| chrX | 76149001 | 76154000 | 1.18E-12 |
| chrX | 76150001 | 76155000 | 4.14E-08 |
| chrX | 76151001 | 76156000 | 1.09E-10 |
| chrX | 76153001 | 76158000 | 2.65E-06 |
| chrX | 76162001 | 76177000 | 9.79E-13 |
| chrX | 76173001 | 76178000 | 1.91E-12 |
| chrX | 76174001 | 76179000 | 2.12E-11 |
| chrX | 76264001 | 76269000 | 5.92E-08 |
| chrX | 76265001 | 76270000 | 1.86E-06 |
| chrX | 76405001 | 76410000 | 8.59E-14 |
| chrX | 76453001 | 76458000 | 5.33E-06 |
| chrX | 76461001 | 76466000 | 3.07E-09 |
| chrX | 76472001 | 76477000 | 4.81E-06 |
| chrX | 76473001 | 76478000 | 0.000104278 |
| chrX | 76474001 | 76479000 | 8.80E-05 |
| chrX | 76475001 | 76480000 | 5.12E-05 |
| chrX | 76586001 | 76591000 | 0.001333679 |
| chrX | 76595001 | 76600000 | 5.37E-05 |
| chrX | 76597001 | 76602000 | 0.00012699 |
| chrX | 76598001 | 76603000 | 2.64E-06 |
| chrX | 76601001 | 76606000 | 4.43E-06 |
| chrX | 76612001 | 76617000 | 5.11E-06 |
| chrX | 76613001 | 76618000 | 8.09E-07 |
| chrX | 76614001 | 76619000 | 5.19E-08 |
| chrX | 76621001 | 76626000 | 0.000395601 |
| chrX  | 76625001 | 76630000 | 1.20E-07 |
|--------|---------|---------|----------|
| chrX  | 76626001 | 76631000 | 8.83E-06 |
| chrX  | 76650001 | 76655000 | 0.00021841 |
| chrX  | 76790001 | 76795000 | 7.27E-06 |
| chrX  | 77003001 | 77008000 | 9.63E-05 |
| chrX  | 77123001 | 77128000 | 0.000254738 |
| chrX  | 77331001 | 77336000 | 5.65E-07 |
| chrX  | 77355001 | 77360000 | 3.86E-27 |
| chrX  | 77475001 | 77480000 | 0.000479097 |
| chrX  | 77476001 | 77481000 | 0.0006644 |
| chrX  | 77477001 | 77482000 | 0.000734543 |
| chrX  | 77496001 | 77501000 | 0.01312108 |
| chrX  | 77512001 | 77517000 | 3.76E-06 |
| chrX  | 77553001 | 77558000 | 0.028449157 |
| chrX  | 77723001 | 77728000 | 4.43E-13 |
| chrX  | 77726001 | 77731000 | 5.38E-08 |
| chrX  | 77727001 | 77732000 | 9.13E-08 |
| chrX  | 77760001 | 77765000 | 3.48E-06 |
| chrX  | 77761001 | 77766000 | 3.71E-09 |
| chrX  | 77762001 | 77767000 | 1.72E-09 |
| chrX  | 77763001 | 77768000 | 7.38E-11 |
| chrX  | 77764001 | 77769000 | 1.55E-05 |
| chrX  | 77792001 | 77797000 | 0.004624539 |
| chrX  | 77793001 | 77798000 | 0.000977672 |
| chrX  | 77871001 | 77876000 | 3.25E-05 |
| chrX  | 77872001 | 77877000 | 2.11E-06 |
| chrX  | 77873001 | 77878000 | 2.54E-05 |
| chrX  | 77880001 | 77885000 | 0.000267042 |
| chrX  | 77931001 | 77936000 | 0.000293997 |
| chrX  | 77932001 | 77937000 | 0.00114839 |
| chrX  | 77943001 | 77948000 | 4.19E-06 |
| chrX  | 77944001 | 77949000 | 2.86E-06 |
| chrX  | 77945001 | 77950000 | 1.24E-06 |
| chrX  | 77946001 | 77951000 | 4.21E-05 |
| chrX  | 78030001 | 78035000 | 1.75E-07 |
| chrX  | 78191001 | 78196000 | 1.52E-05 |
| chrX  | 78289001 | 78294000 | 0.000598276 |
| chrX  | 78299001 | 78304000 | 0.00564843 |
| chrX  | 78311001 | 78316000 | 5.64E-08 |
| chrX  | 78312001 | 78317000 | 1.62E-07 |
| chrX  | 78313001 | 78318000 | 0.000501081 |
| chrX  | 78318001 | 78323000 | 0.00090963 |
| chrX  | 78320001 | 78325000 | 2.23E-05 |
| chrX  | 78363001 | 78368000 | 0.00062593 |
| chrX  | 78364001 | 78369000 | 0.000795164 |
| chrX  | 78365001 | 78370000 | 9.81E-05 |
| chrX  | 78454001 | 78459000 | 0.001569747 |
| chrX  | 78473001 | 78478000 | 0.000721193 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chrX       | 78546001       | 78551000     | 0.000202139 |
| chrX       | 78572001       | 78577000     | 0.00183935 |
| chrX       | 78589001       | 78594000     | 0.001526095 |
| chrX       | 78590001       | 78595000     | 0.000365533 |
| chrX       | 78591001       | 78596000     | 1.79E-05 |
| chrX       | 78608001       | 78613000     | 0.004918512 |
| chrX       | 78614000       | 78619000     | 0.001587776 |
| chrX       | 78632001       | 78637000     | 0.000394508 |
| chrX       | 78633001       | 78638000     | 0.000394508 |
| chrX       | 78642001       | 78647000     | 3.26E-05 |
| chrX       | 78654001       | 78659000     | 2.75E-07 |
| chrX       | 78658001       | 78663000     | 1.16E-06 |
| chrX       | 78705001       | 78710000     | 0.000202969 |
| chrX       | 78706001       | 78711000     | 2.20E-07 |
| chrX       | 78714001       | 78719000     | 0.000258595 |
| chrX       | 78876001       | 78881000     | 0.004339253 |
| chrX       | 78877001       | 78882000     | 0.000106938 |
| chrX       | 78878001       | 78883000     | 6.39E-05 |
| chrX       | 78879001       | 78884000     | 0.000303015 |
| chrX       | 78880001       | 78885000     | 0.00169179 |
| chrX       | 79028001       | 79033000     | 0.001677634 |
| chrX       | 79029001       | 79034000     | 8.43E-05 |
| chrX       | 79030001       | 79035000     | 3.09E-05 |
| chrX       | 79057001       | 79062000     | 0.000562155 |
| chrX       | 79058001       | 79063000     | 4.04E-06 |
| chrX       | 79059001       | 79064000     | 6.07E-07 |
| chrX       | 79060001       | 79065000     | 1.29E-06 |
| chrX       | 79061001       | 79066000     | 4.40E-05 |
| chrX       | 79171001       | 79176000     | 0.004597438 |
| chrX       | 79172001       | 79177000     | 0.004597438 |
| chrX       | 79173001       | 79178000     | 0.002604553 |
| chrX       | 79174001       | 79179000     | 6.00E-05 |
| chrX       | 79189001       | 79194000     | 0.00021811 |
| chrX       | 79230001       | 79235000     | 0.003620505 |
| chrX       | 79245001       | 79250000     | 0.004088159 |
| chrX       | 79294001       | 79299000     | 6.00E-05 |
| chrX       | 79306001       | 79311000     | 0.001492653 |
| chrX       | 79307001       | 79312000     | 0.00055502 |
| chrX       | 79308001       | 79313000     | 2.46E-06 |
| chrX       | 79309001       | 79314000     | 1.21E-06 |
| chrX       | 79310001       | 79315000     | 0.000151561 |
| chrX       | 79363001       | 79368000     | 0.003619378 |
| chrX       | 79366001       | 79371000     | 0.003189598 |
| chrX       | 79403001       | 79408000     | 1.07E-05 |
| chrX       | 79404001       | 79409000     | 9.96E-08 |
| chrX       | 79423001       | 79428000     | 5.31E-05 |
| chrX       | 79424001       | 79429000     | 1.00E-05 |
| Chromosome | Start | End   | P-value     |
|------------|-------|-------|-------------|
| chrX       | 7942001 | 7947000 | 1.73E-08    |
| chrX       | 7948001 | 7948800 | 0.001525564 |
| chrX       | 79557001 | 79562000 | 0.001510746 |
| chrX       | 79558001 | 79563000 | 0.000152209 |
| chrX       | 79600001 | 79605000 | 3.41E-07    |
| chrX       | 79630001 | 79635000 | 0.001964701 |
| chrX       | 79682001 | 79687000 | 0.004568792 |
| chrX       | 79683001 | 79688000 | 0.003865769 |
| chrX       | 79797001 | 79802000 | 0.000423074 |
| chrX       | 79876001 | 79881000 | 0.00039067  |
| chrX       | 79895001 | 79900000 | 0.001014482 |
| chrX       | 79901000 | 79906000 | 1.39E-05    |
| chrX       | 80016001 | 80021000 | 0.003884875 |
| chrX       | 80085001 | 80090000 | 0.006153502 |
| chrX       | 80143001 | 80148000 | 4.33E-11    |
| chrX       | 80144001 | 80149000 | 1.27E-14    |
| chrX       | 80145001 | 80150000 | 4.59E-16    |
| chrX       | 80146001 | 80151000 | 3.18E-16    |
| chrX       | 80147001 | 80152000 | 3.56E-13    |
| chrX       | 80163001 | 80168000 | 0.00034002  |
| chrX       | 80164001 | 80169000 | 0.002512646 |
| chrX       | 80165001 | 80170000 | 1.02E-05    |
| chrX       | 80229001 | 80234000 | 1.84E-07    |
| chrX       | 80230001 | 80235000 | 5.13E-10    |
| chrX       | 80231001 | 80236000 | 1.08E-08    |
| chrX       | 80232001 | 80237000 | 6.73E-12    |
| chrX       | 80244001 | 80249000 | 0.00136975  |
| chrX       | 80327001 | 80332000 | 0.000236252 |
| chrX       | 80402001 | 80407000 | 1.43E-08    |
| chrX       | 80403001 | 80408000 | 6.05E-06    |
| chrX       | 80414001 | 80419000 | 0.004664356 |
| chrX       | 80415001 | 80420000 | 0.006298298 |
| chrX       | 80563001 | 80568000 | 3.60E-05    |
| chrX       | 80574001 | 80579000 | 0.001066502 |
| chrX       | 80694001 | 80699000 | 0.001997731 |
| chrX       | 80730001 | 80735000 | 2.40E-08    |
| chrX       | 80761001 | 80766000 | 0.000746878 |
| chrX       | 80848001 | 80853000 | 5.64E-05    |
| chrX       | 80849001 | 80854000 | 0.001035788 |
| chrX       | 80856001 | 80861000 | 5.82E-07    |
| chrX       | 80857001 | 80862000 | 1.98E-05    |
| chrX       | 80863001 | 80868000 | 1.26E-05    |
| chrX       | 80895001 | 80900000 | 0.004413958 |
| chrX       | 80934001 | 80939000 | 0.002999018 |
| chrX       | 80994001 | 80999000 | 0.000362728 |
| chrX       | 81048001 | 81053000 | 1.13E-09    |
| chrX       | 81049001 | 81054000 | 3.19E-09    |
chrX  81050001  81050000  4.21E-07
chrX  81051001  81056000  5.57E-08
chrX  81199001  81204000  2.66E-06
chrX  81440001  81445000  1.96E-06
chrX  81561001  81566000  0.00553678
chrX  81562001  81567000  0.000290908
chrX  81563001  81568000  5.59E-06
chrX  81743001  81748000  0.0077985
chrX  81789001  81794000  0.002629877
chrX  81790001  81795000  0.001691607
chrX  81430001  81435000  7.18E-05
chrX  81440001  81490000  0.000687733
chrX  82140001  82145000  0.004878462
chrX  82146001  82151000  0.023143211
chrX  82266001  82271000  8.08E-05
chrX  82267001  82272000  2.40E-06
chrX  82268001  82273000  5.85E-05
chrX  82338001  82343000  6.22E-08
chrX  82339001  82344000  1.10E-13
chrX  82340001  82345000  4.81E-14
chrX  82341001  82346000  1.19E-07
chrX  82542001  82547000  8.51E-09
chrX  82543001  82548000  1.11E-11
chrX  82544001  82549000  1.86E-08
chrX  82545001  82550000  7.52E-05
chrX  82711001  82716000  0.004611103
chrX  82994001  82999000  0.000364328
chrX  82995001  83000000  0.000328808
chrX  83063001  83068000  0.004420774
chrX  83070001  83075000  1.27E-10
chrX  83071001  83076000  1.95E-08
chrX  83092001  83097000  1.64E-14
chrX  83164001  83169000  3.53E-06
chrX  83188001  83193000  2.85E-06
chrX  83189001  83194000  3.59E-05
chrX  83190001  83195000  3.54E-05
chrX  83208001  83213000  2.70E-08
chrX  83209001  83214000  2.01E-07
chrX  83210001  83215000  1.43E-08
chrX  83221001  83226000  6.44E-05
chrX  83222001  83227000  4.14E-05
chrX  83223001  83228000  0.000167892
chrX  83621001  83626000  6.02E-05
chrX  83689001  83694000  0.00466568
chrX  83690001  83695000  0.000292113
chrX  83876001  83881000  4.76E-07
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|---------------|
| chrX       | 83877001 | 83882000 | 6.11E-07      |
| chrX       | 83891001 | 83896000 | 2.47E-06      |
| chrX       | 83892001 | 83897000 | 3.60E-07      |
| chrX       | 84067001 | 84072000 | 0.000723933   |
| chrX       | 84207001 | 84212000 | 0.002620406   |
| chrX       | 84284001 | 84289000 | 0.002064878   |
| chrX       | 84285001 | 84290000 | 7.48E-05      |
| chrX       | 84286001 | 84291000 | 6.01E-06      |
| chrX       | 84287001 | 84292000 | 0.000131134   |
| chrX       | 84461001 | 84466000 | 0.002210706   |
| chrX       | 84494001 | 84499000 | 2.34E-33      |
| chrX       | 84495001 | 84500000 | 4.72E-41      |
| chrX       | 84496001 | 84501000 | 1.00E-26      |
| chrX       | 84497001 | 84502000 | 1.46E-30      |
| chrX       | 84676001 | 84681000 | 3.25E-06      |
| chrX       | 84910001 | 84915000 | 0.01818161    |
| chrX       | 84971001 | 84976000 | 0.001627425   |
| chrX       | 85312001 | 85317000 | 0.003534584   |
| chrX       | 85422001 | 85427000 | 4.20E-07      |
| chrX       | 85423001 | 85428000 | 2.17E-08      |
| chrX       | 85424001 | 85429000 | 8.84E-07      |
| chrX       | 85425001 | 85430000 | 1.47E-07      |
| chrX       | 85426001 | 85431000 | 1.22E-05      |
| chrX       | 86059001 | 86064000 | 0.003998514   |
| chrX       | 86091001 | 86096000 | 0.000290743   |
| chrX       | 86170001 | 86175000 | 3.29E-06      |
| chrX       | 86171001 | 86176000 | 2.08E-06      |
| chrX       | 86172001 | 86177000 | 4.18E-08      |
| chrX       | 86173001 | 86178000 | 1.06E-09      |
| chrX       | 86174001 | 86179000 | 1.53E-06      |
| chrX       | 86289001 | 86294000 | 1.36E-08      |
| chrX       | 86297001 | 86302000 | 2.40E-08      |
| chrX       | 86298001 | 86303000 | 1.24E-09      |
| chrX       | 86299001 | 86304000 | 6.15E-07      |
| chrX       | 86346001 | 86351000 | 0.004875185   |
| chrX       | 86347001 | 86352000 | 0.003150674   |
| chrX       | 86348001 | 86353000 | 0.005457068   |
| chrX       | 86387001 | 86392000 | 6.12E-05      |
| chrX       | 86596001 | 86601000 | 0.006157501   |
| chrX       | 86597001 | 86602000 | 0.00012911    |
| chrX       | 86603001 | 86608000 | 0.000587857   |
| chrX       | 86604001 | 86609000 | 4.93E-06      |
| chrX       | 86654001 | 86659000 | 0.024759978   |
| chrX       | 86709001 | 86714000 | 0.00014262    |
| chrX       | 86747001 | 86752000 | 0.005495351   |
| chrX       | 86748001 | 86753000 | 0.008874762   |
| chrX       | 86749001 | 86754000 | 0.008473074   |
| chrX       | 86860001 | 86865000 | 0.008208771   |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chrX       | 86861001       | 86866000     | 0.008134021 |
| chrX       | 86862001       | 86867000     | 0.005143627 |
| chrX       | 87029001       | 87034000     | 4.16E-11   |
| chrX       | 87046001       | 87051000     | 1.80E-05   |
| chrX       | 87047001       | 87052000     | 0.004195916 |
| chrX       | 87048001       | 87053000     | 0.006536352 |
| chrX       | 87073001       | 87078000     | 2.33E-06   |
| chrX       | 87074001       | 87079000     | 3.67E-06   |
| chrX       | 87082001       | 87087000     | 0.031696785 |
| chrX       | 87240001       | 87245000     | 3.19E-05   |
| chrX       | 87242001       | 87247000     | 6.59E-07   |
| chrX       | 87243001       | 87248000     | 3.20E-05   |
| chrX       | 87244001       | 87249000     | 3.73E-05   |
| chrX       | 87285001       | 87290000     | 2.81E-08   |
| chrX       | 87286001       | 87291000     | 1.19E-07   |
| chrX       | 87505001       | 87510000     | 6.71E-06   |
| chrX       | 87506001       | 87511000     | 1.17E-05   |
| chrX       | 87508001       | 87513000     | 5.86E-05   |
| chrX       | 87521001       | 87526000     | 0.003283823 |
| chrX       | 87522001       | 87527000     | 0.001653834 |
| chrX       | 87561001       | 87566000     | 4.46E-07   |
| chrX       | 87562001       | 87567000     | 1.01E-06   |
| chrX       | 87616001       | 87621000     | 6.04E-06   |
| chrX       | 87617001       | 87622000     | 1.65E-05   |
| chrX       | 87618001       | 87623000     | 2.95E-05   |
| chrX       | 87786001       | 87791000     | 1.15E-08   |
| chrX       | 87787001       | 87792000     | 2.23E-06   |
| chrX       | 87788001       | 87793000     | 3.23E-08   |
| chrX       | 87789001       | 87794000     | 1.18E-08   |
| chrX       | 87790001       | 87795000     | 0.000277087 |
| chrX       | 87845001       | 87850000     | 9.48E-09   |
| chrX       | 87854001       | 87859000     | 0.000165994 |
| chrX       | 87855001       | 87860000     | 2.77E-05   |
| chrX       | 87856001       | 87861000     | 1.74E-05   |
| chrX       | 87858001       | 87863000     | 0.000299429 |
| chrX       | 87859001       | 87864000     | 0.001992759 |
| chrX       | 87983001       | 87988000     | 0.000918996 |
| chrX       | 87984001       | 87989000     | 0.001842102 |
| chrX       | 88003001       | 88008000     | 4.17E-12   |
| chrX       | 88033001       | 88038000     | 0.00059274  |
| chrX       | 88059001       | 88064000     | 0.005673844 |
| chrX       | 88165001       | 88170000     | 0.000627766 |
| chrX       | 88166001       | 88171000     | 0.00050168  |
| chrX       | 88221001       | 88226000     | 3.86E-07   |
| chrX       | 88222001       | 88227000     | 3.84E-05   |
| chrX       | 88311001       | 88316000     | 7.33E-05   |
| chrX       | 88326001       | 88331000     | 0.000192215 |
| chrX       | 88352001       | 88357000     | 1.53E-06   |
| CHR | START | END   | P-VALUE |
|-----|-------|-------|---------|
| chrX| 88361001 | 88366000 | 0.004348213 |
| chrX| 88363001 | 88368000 | 0.008517656 |
| chrX| 88419001 | 88424000 | 0.000296008 |
| chrX| 88420001 | 88425000 | 0.000431967 |
| chrX| 88422001 | 88427000 | 0.001957736 |
| chrX| 88503001 | 88508000 | 5.05E-06 |
| chrX| 88505001 | 88510000 | 6.59E-05 |
| chrX| 88775001 | 88780000 | 0.000687154 |
| chrX| 88785001 | 88790000 | 1.38E-06 |
| chrX| 88786001 | 88791000 | 1.70E-05 |
| chrX| 88787001 | 88792000 | 1.59E-07 |
| chrX| 88788001 | 88793000 | 2.09E-07 |
| chrX| 88789001 | 88794000 | 0.015913339 |
| chrX| 88815001 | 88820000 | 0.000322376 |
| chrX| 88817001 | 88822000 | 0.000391201 |
| chrX| 88818001 | 88823000 | 0.000190756 |
| chrX| 88820001 | 88825000 | 0.000433734 |
| chrX| 88830001 | 88835000 | 0.000373502 |
| chrX| 88874001 | 88879000 | 0.000242377 |
| chrX| 88875001 | 88880000 | 0.000718848 |
| chrX| 88924001 | 88929000 | 0.002329365 |
| chrX| 88925001 | 88930000 | 5.90E-06 |
| chrX| 88927001 | 88932000 | 7.82E-06 |
| chrX| 88928001 | 88933000 | 2.65E-06 |
| chrX| 88945001 | 88950000 | 0.000259213 |
| chrX| 89107001 | 89112000 | 5.48E-05 |
| chrX| 89193001 | 89198000 | 3.91E-05 |
| chrX| 89197001 | 89202000 | 0.003286767 |
| chrX| 89224001 | 89229000 | 0.003730517 |
| chrX| 89225001 | 89230000 | 0.006857531 |
| chrX| 89233001 | 89238000 | 0.000904423 |
| chrX| 89234001 | 89239000 | 7.00E-05 |
| chrX| 89235001 | 89240000 | 2.22E-05 |
| chrX| 89359001 | 89364000 | 4.00E-05 |
| chrX| 89360001 | 89365000 | 1.08E-06 |
| chrX| 89361001 | 89366000 | 1.08E-06 |
| chrX| 89498001 | 89503000 | 5.78E-05 |
| chrX| 89578001 | 89583000 | 0.000332512 |
| chrX| 89580001 | 89585000 | 9.94E-05 |
| chrX| 89597001 | 89602000 | 0.01361172 |
| chrX| 89656001 | 89661000 | 0.001818054 |
| chrX| 89657001 | 89662000 | 0.000150153 |
| chrX| 89658001 | 89663000 | 0.000163763 |
| chrX| 89659001 | 89664000 | 4.38E-05 |
| chrX| 89679001 | 89684000 | 3.80E-06 |
| chrX| 89817001 | 89822000 | 7.53E-06 |
| chrX| 89818001 | 89823000 | 2.65E-06 |
| Chromosome | Start | End   | p-value  |
|------------|-------|-------|----------|
| chrX       | 89819001 | 89824000 | 2.06E-08 |
| chrX       | 89875001 | 89880000 | 0.003941052 |
| chrX       | 89876001 | 89880000 | 0.005943625 |
| chrX       | 89885001 | 89890000 | 8.25E-07 |
| chrX       | 89886001 | 89891000 | 2.05E-07 |
| chrX       | 89920001 | 89925000 | 0.000111144 |
| chrX       | 89921001 | 89926000 | 0.000671843 |
| chrX       | 89982001 | 89987000 | 0.01917359 |
| chrX       | 89983001 | 89988000 | 0.000952759 |
| chrX       | 89984001 | 89990000 | 5.55E-06 |
| chrX       | 89985001 | 89990000 | 5.55E-06 |
| chrX       | 89996001 | 89997000 | 1.53E-05 |
| chrX       | 90087001 | 90092000 | 0.000680335 |
| chrX       | 90093001 | 90098000 | 1.77E-06 |
| chrX       | 90094001 | 90099000 | 1.61E-06 |
| chrX       | 90095001 | 90100000 | 0.002426756 |
| chrX       | 90096001 | 90101000 | 0.01008143 |
| chrX       | 90206001 | 90211000 | 5.63E-10 |
| chrX       | 90207001 | 90212000 | 5.18E-05 |
| chrX       | 90208001 | 90213000 | 0.00139368 |
| chrX       | 90239001 | 90244000 | 2.84E-05 |
| chrX       | 90326001 | 90331000 | 0.002431398 |
| chrX       | 90382001 | 90387000 | 0.000122248 |
| chrX       | 90383001 | 90388000 | 0.00135798 |
| chrX       | 90384001 | 90389000 | 0.000678256 |
| chrX       | 90548001 | 90553000 | 0.00342083 |
| chrX       | 90549001 | 90554000 | 5.55E-05 |
| chrX       | 90550001 | 90555000 | 7.29E-05 |
| chrX       | 90551001 | 90556000 | 5.37E-08 |
| chrX       | 90552001 | 90557000 | 4.77E-07 |
| chrX       | 90553001 | 90558000 | 4.90E-05 |
| chrX       | 90554001 | 90559000 | 6.64E-05 |
| chrX       | 90592001 | 90597000 | 0.001310498 |
| chrX       | 90593001 | 90598000 | 0.000239415 |
| chrX       | 90632001 | 90637000 | 0.023006415 |
| chrX       | 90731001 | 90736000 | 0.000225216 |
| chrX       | 90732001 | 90737000 | 9.49E-05 |
| chrX       | 90745001 | 90750000 | 6.93E-05 |
| chrX       | 90746001 | 90751000 | 4.81E-05 |
| chrX       | 90795001 | 90800000 | 0.003982905 |
| chrX       | 90812001 | 90817000 | 0.004661911 |
| chrX       | 90813001 | 90818000 | 1.86E-05 |
| chrX       | 90814001 | 90819000 | 2.85E-05 |
| chrX       | 90815001 | 90820000 | 5.35E-05 |
| chrX       | 90816001 | 90821000 | 0.00022778 |
| chrX       | 90817001 | 90822000 | 0.005750058 |
| chrX       | 90818001 | 90823000 | 0.005980036 |
| chrX       | 90827001 | 90832000 | 3.60E-05 |
chrX  90940001  90945000  0.001037714
chrX  91286001  91291000  0.000120569
chrX  91314001  91319000  0.001676339
chrX  91315001  91320000  0.00057944
chrX  91317001  91322000  0.001676339
chrX  91315001  91320000  0.001676339
chrX  91317001  91322000  0.00057944
chrX  91323001  91328000  0.001011519
chrX  91324001  91329000  0.005532503
chrX  91418001  91423000  3.04E-05
chrX  91830001  91835000  9.16E-07
chrX  91911001  91916000  0.007075859
chrX  91929001  91934000  4.56E-07
chrX  91930001  91935000  8.23E-07
chrX  91931001  91936000  1.34E-05
chrX  92145001  92150000  0.001145593
chrX  92146001  92151000  5.84E-06
chrX  92147001  92152000  0.000140056
chrX  92158001  92163000  9.80E-05
chrX  92167001  92172000  0.001397274
chrX  92220001  92230000  2.40E-08
chrX  92358001  92363000  0.00178625
chrX  92384001  92389000  0.002970519
chrX  92390001  92395000  0.002614615
chrX  92442001  92447000  4.23E-05
chrX  92448001  92453000  0.002963634
chrX  92461001  92466000  0.000144866
chrX  92499001  92504000  0.000485598
chrX  92729001  92734000  0.0011940544
chrX  92869001  92874000  0.000128059
chrX  92870001  92875000  0.000368899
chrX  92872001  92877000  0.000599701
chrX  92980001  92985000  0.002629877
chrX  92999001  93004000  0.00134791
chrX  93102001  93107000  0.000687225
chrX  93103001  93108000  0.001500656
chrX  93141001  93146000  0.001525969
chrX  93249001  93254000  0.001535020
chrX  93250001  93255000  0.001525969
chrX  93255000  93260000  3.12E-05
chrX  93251001  93256000  8.09E-06
chrX  93381001  93386000  9.01E-06
chrX  93382001  93387000  3.30E-07
chrX  93505001  93510000  0.002303726
chrX  93510001  93515000  0.002631285
chrX  93623001  93628000  4.90E-05
chrX  93624001  93629000  2.32E-05
chrX  93734001  93739000  3.90E-05
chrX  93735001  93740000  0.0010967
chrX  93736001  93741000  1.10E-05
chrX  93773001  93778000  0.016178051
| chrX  | Start | End   | p-value          |
|-------|-------|-------|------------------|
| chrX  | 93833001 | 93838000 | 0.003264787     |
| chrX  | 93889001 | 93894000 | 0.0021621       |
| chrX  | 93890001 | 93895000 | 4.42E-05        |
| chrX  | 93891001 | 93896000 | 1.01E-07        |
| chrX  | 93892001 | 93897000 | 5.87E-07        |
| chrX  | 93893001 | 93898000 | 1.35E-07        |
| chrX  | 93894001 | 93948000 | 0.01399109      |
| chrX  | 93945001 | 93950000 | 0.0002339       |
| chrX  | 93981001 | 93986000 | 1.22E-05        |
| chrX  | 93982001 | 93987000 | 0.00629272      |
| chrX  | 93983001 | 93988000 | 0.00030545      |
| chrX  | 93988001 | 93993000 | 0.00455054      |
| chrX  | 93994001 | 93999000 | 0.01210257      |
| chrX  | 94016001 | 94021000 | 0.00133237      |
| chrX  | 94076001 | 94081000 | 1.73E-06        |
| chrX  | 94077001 | 94082000 | 0.00124953      |
| chrX  | 94078001 | 94083000 | 0.009164732     |
| chrX  | 94079001 | 94084000 | 0.008349779     |
| chrX  | 94095001 | 94100000 | 6.93E-11        |
| chrX  | 94097001 | 94102000 | 1.52E-07        |
| chrX  | 94110001 | 94115000 | 1.28E-05        |
| chrX  | 94111001 | 94116000 | 2.64E-07        |
| chrX  | 94112001 | 94117000 | 9.65E-07        |
| chrX  | 94119001 | 94124000 | 2.51E-06        |
| chrX  | 94120001 | 94125000 | 9.00E-09        |
| chrX  | 94121001 | 94126000 | 1.73E-07        |
| chrX  | 94122001 | 94127000 | 1.19E-07        |
| chrX  | 94324001 | 94329000 | 6.73E-05        |
| chrX  | 94345001 | 94350000 | 2.55E-07        |
| chrX  | 94346001 | 94351000 | 7.38E-05        |
| chrX  | 94347001 | 94352000 | 0.000105959     |
| chrX  | 94348001 | 94353000 | 0.00120867      |
| chrX  | 94369001 | 94374000 | 0.000572948     |
| chrX  | 94370001 | 94375000 | 3.20E-05        |
| chrX  | 94371001 | 94376000 | 4.46E-06        |
| chrX  | 94372001 | 94377000 | 1.14E-05        |
| chrX  | 94397001 | 94402000 | 0.001172842     |
| chrX  | 94398001 | 94403000 | 0.000539156     |
| chrX  | 94443001 | 94448000 | 0.006432119     |
| chrX  | 94488001 | 94493000 | 2.69E-07        |
| chrX  | 94489001 | 94494000 | 1.08E-06        |
| chrX  | 94490001 | 94495000 | 5.86E-07        |
| chrX  | 94491001 | 94496000 | 2.84E-08        |
| chrX  | 94492001 | 94497000 | 3.38E-05        |
| chrX  | 94493001 | 94498000 | 2.82E-05        |
| chrX  | 94495001 | 94500000 | 1.66E-05        |
| chrX | 94951001 | 94956000 | 0.001401901 |
|------|----------|----------|-------------|
| chrX | 95100001 | 95105000 | 0.000403757 |
| chrX | 95101001 | 95107000 | 0.000287158 |
| chrX | 95192001 | 95197000 | 3.50E-09    |
| chrX | 95193001 | 95198000 | 6.48E-10    |
| chrX | 95194001 | 95199000 | 4.57E-09    |
| chrX | 95195001 | 95200000 | 1.42E-08    |
| chrX | 95225001 | 95230000 | 0.000391512 |
| chrX | 95233001 | 95238000 | 0.001803977 |
| chrX | 95234001 | 95239000 | 6.55E-07    |
| chrX | 95235001 | 95240000 | 1.94E-06    |
| chrX | 95236001 | 95241000 | 2.08E-06    |
| chrX | 95237001 | 95242000 | 1.93E-06    |
| chrX | 95262001 | 95267000 | 0.008021571 |
| chrX | 95277001 | 95282000 | 0.001670688 |
| chrX | 95278001 | 95283000 | 0.001571379 |
| chrX | 95308001 | 95313000 | 8.21E-07    |
| chrX | 95309001 | 95314000 | 9.64E-07    |
| chrX | 95310001 | 95315000 | 5.07E-06    |
| chrX | 95311001 | 95316000 | 5.86E-05    |
| chrX | 95344001 | 95349000 | 5.82E-05    |
| chrX | 95345001 | 95350000 | 8.61E-05    |
| chrX | 95372001 | 95377000 | 4.86E-07    |
| chrX | 95396001 | 95401000 | 4.16E-05    |
| chrX | 95397001 | 95402000 | 5.79E-05    |
| chrX | 95398001 | 95403000 | 0.000115952 |
| chrX | 95399001 | 95404000 | 1.02E-05    |
| chrX | 95400001 | 95405000 | 0.000188272 |
| chrX | 95459001 | 95464000 | 0.004687276 |
| chrX | 95460001 | 95465000 | 6.52E-05    |
| chrX | 95461001 | 95466000 | 6.24E-05    |
| chrX | 95462001 | 95467000 | 0.000189067 |
| chrX | 95470001 | 95475000 | 7.00E-10    |
| chrX | 95471001 | 95476000 | 2.91E-09    |
| chrX | 95472001 | 95477000 | 2.39E-08    |
| chrX | 95473001 | 95478000 | 2.94E-09    |
| chrX | 95474001 | 95479000 | 0.00057366  |
| chrX | 95505001 | 95510000 | 6.87E-05    |
| chrX | 95529001 | 95534000 | 1.92E-05    |
| chrX | 95571001 | 95576000 | 0.015366618 |
| chrX | 95572001 | 95577000 | 0.003280148 |
| chrX | 95573001 | 95578000 | 0.002121864 |
| chrX | 95604001 | 95609000 | 1.59E-05    |
| chrX | 95605001 | 95610000 | 5.89E-05    |
| chrX | 95619001 | 95624000 | 0.00030511  |
| chrX | 95621001 | 95626000 | 1.93E-06    |
| chrX | 95622001 | 95627000 | 1.31E-05    |
| Chr | Start | End | P-value |
|-----|-------|-----|---------|
| chrX | 95623001 | 95628000 | 0.000162658 |
| chrX | 95686001 | 95691000 | 3.45E-06 |
| chrX | 95913001 | 95918000 | 5.21E-06 |
| chrX | 95914001 | 95919000 | 0.000212708 |
| chrX | 95970001 | 95975000 | 0.000116318 |
| chrX | 96301001 | 96306000 | 0.001887908 |
| chrX | 96325001 | 96330000 | 0.002292633 |
| chrX | 96366001 | 96371000 | 0.014376648 |
| chrX | 96499001 | 96504000 | 0.003935286 |
| chrX | 96546001 | 96551000 | 1.31E-08 |
| chrX | 96547001 | 96552000 | 2.04E-08 |
| chrX | 96548001 | 96553000 | 2.70E-08 |
| chrX | 96668001 | 96673000 | 4.49E-06 |
| chrX | 96670001 | 96675000 | 0.004348196 |
| chrX | 96816001 | 96821000 | 2.43E-06 |
| chrX | 96817001 | 96822000 | 2.13E-06 |
| chrX | 97013001 | 97018000 | 0.000413881 |
| chrX | 97022001 | 97027000 | 9.20E-07 |
| chrX | 97023001 | 97028000 | 1.64E-06 |
| chrX | 97143001 | 97148000 | 5.00E-08 |
| chrX | 97180001 | 97185000 | 2.50E-07 |
| chrX | 97218001 | 97223000 | 2.89E-05 |
| chrX | 97220001 | 97225000 | 0.002751237 |
| chrX | 97221001 | 97226000 | 0.005993084 |
| chrX | 97275001 | 97280000 | 0.001905688 |
| chrX | 97276001 | 97281000 | 4.73E-05 |
| chrX | 97277001 | 97282000 | 0.000650168 |
| chrX | 97296001 | 97301000 | 3.39E-08 |
| chrX | 97308001 | 97313000 | 0.010367951 |
| chrX | 97324001 | 97329000 | 0.000156943 |
| chrX | 97325001 | 97330000 | 0.000118433 |
| chrX | 97326001 | 97331000 | 7.94E-05 |
| chrX | 97389001 | 97394000 | 2.42E-06 |
| chrX | 97390001 | 97395000 | 4.98E-06 |
| chrX | 97391001 | 97396000 | 4.39E-07 |
| chrX | 97392001 | 97397000 | 1.08E-06 |
| chrX | 97400001 | 97405000 | 1.66E-05 |
| chrX | 97404001 | 97409000 | 0.00060886 |
| chrX | 97466001 | 97471000 | 0.000124778 |
| chrX | 97478001 | 97483000 | 2.09E-05 |
| chrX | 97508001 | 97513000 | 0.000936754 |
| chrX | 97518001 | 97523000 | 1.00E-07 |
| Chromosome | Start | End   | Value    |
|------------|-------|-------|----------|
| chrX       | 97519001 | 97524000 | 5.32E-09 |
| chrX       | 97520001 | 97525000 | 5.68E-05 |
| chrX       | 97596001 | 97601000 | 3.83E-06 |
| chrX       | 97597001 | 97602000 | 1.56E-07 |
| chrX       | 97598001 | 97603000 | 0.000905429 |
| chrX       | 97610001 | 97615000 | 1.42E-05 |
| chrX       | 97651001 | 97656000 | 0.00123435 |
| chrX       | 97652001 | 97657000 | 0.002094967 |
| chrX       | 97660001 | 97665000 | 8.45E-05 |
| chrX       | 97739001 | 97744000 | 0.007352765 |
| chrX       | 97916001 | 97921000 | 3.86E-07 |
| chrX       | 97920001 | 97925000 | 6.55E-09 |
| chrX       | 97921001 | 97926000 | 0.007087982 |
| chrX       | 97922001 | 97927000 | 0.004090156 |
| chrX       | 98027001 | 98032000 | 0.002203802 |
| chrX       | 98102001 | 98107000 | 1.82E-08 |
| chrX       | 98103001 | 98108000 | 2.49E-09 |
| chrX       | 98104001 | 98109000 | 1.41E-08 |
| chrX       | 98105001 | 98110000 | 6.97E-10 |
| chrX       | 98106001 | 98111000 | 2.43E-08 |
| chrX       | 98125001 | 98130000 | 0.000292726 |
| chrX       | 98126001 | 98131000 | 0.000228841 |
| chrX       | 98162001 | 98167000 | 3.85E-08 |
| chrX       | 98163001 | 98168000 | 9.56E-09 |
| chrX       | 98164001 | 98169000 | 1.07E-09 |
| chrX       | 98165001 | 98170000 | 1.43E-09 |
| chrX       | 98170001 | 98175000 | 0.002086278 |
| chrX       | 98216001 | 98221000 | 5.62E-06 |
| chrX       | 98217001 | 98222000 | 1.64E-08 |
| chrX       | 98218001 | 98223000 | 4.73E-08 |
| chrX       | 98219001 | 98224000 | 2.50E-07 |
| chrX       | 98220001 | 98225000 | 1.23E-07 |
| chrX       | 98250001 | 98255000 | 0.000145696 |
| chrX       | 98300001 | 98305000 | 5.57E-06 |
| chrX       | 98301001 | 98306000 | 0.00012633 |
| chrX       | 98303001 | 98308000 | 3.48E-05 |
| chrX       | 98351001 | 98356000 | 0.002478272 |
| chrX       | 98424001 | 98429000 | 3.68E-05 |
| chrX       | 98426001 | 98431000 | 8.69E-05 |
| chrX       | 98543001 | 98548000 | 9.99E-05 |
| chrX       | 98869001 | 98874000 | 6.11E-05 |
| chrX       | 98870001 | 98875000 | 0.028583784 |
| chrX       | 98885001 | 98890000 | 0.014698554 |
| chrX       | 98929001 | 98934000 | 0.005686027 |
| chrX       | 98930001 | 98935000 | 0.00253722 |
| chrX       | 98932001 | 98937000 | 0.024518032 |
| chrX       | 98938001 | 98943000 | 2.37E-07 |
| chrX       | 98939001 | 98944000 | 5.71E-08 |
| Chromosome | Start | End  | p-value   |
|------------|-------|------|-----------|
| chrX       | 98940001 | 98945000 | 0.000499165 |
| chrX       | 98968001 | 98973000 | 9.52E-12 |
| chrX       | 98969001 | 98974000 | 6.31E-08 |
| chrX       | 98970001 | 98975000 | 2.26E-10 |
| chrX       | 98985001 | 98990000 | 0.000126831 |
| chrX       | 98986001 | 98991000 | 0.000386595 |
| chrX       | 98987001 | 98992000 | 0.000304443 |
| chrX       | 98989001 | 98994000 | 0.001447917 |
| chrX       | 99032001 | 99037000 | 3.38E-05 |
| chrX       | 99062001 | 99067000 | 2.19E-08 |
| chrX       | 99063001 | 99068000 | 1.24E-08 |
| chrX       | 99064001 | 99069000 | 2.57E-09 |
| chrX       | 99079001 | 99084000 | 0.000114258 |
| chrX       | 99080001 | 99085000 | 6.72E-07 |
| chrX       | 99081001 | 99086000 | 5.84E-06 |
| chrX       | 99082001 | 99087000 | 4.58E-07 |
| chrX       | 99083001 | 99088000 | 8.91E-07 |
| chrX       | 99084001 | 99089000 | 7.12E-06 |
| chrX       | 99178001 | 99183000 | 1.63E-05 |
| chrX       | 99223001 | 99228000 | 0.001077687 |
| chrX       | 99294001 | 99299000 | 2.13E-05 |
| chrX       | 99295001 | 99300000 | 0.000100069 |
| chrX       | 99299001 | 99304000 | 0.005249269 |
| chrX       | 99307001 | 99312000 | 6.07E-09 |
| chrX       | 99308001 | 99313000 | 0.000152234 |
| chrX       | 99319001 | 99324000 | 4.41E-06 |
| chrX       | 99338001 | 99343000 | 0.000116126 |
| chrX       | 99339001 | 99344000 | 0.000195417 |
| chrX       | 99340001 | 99345000 | 0.000615639 |
| chrX       | 99350001 | 99355000 | 0.000613849 |
| chrX       | 99368001 | 99373000 | 2.91E-07 |
| chrX       | 99402001 | 99407000 | 8.36E-06 |
| chrX       | 99403001 | 99408000 | 4.41E-16 |
| chrX       | 99439001 | 99444000 | 0.000418377 |
| chrX       | 99476001 | 99481000 | 2.91E-07 |
| chrX       | 99493001 | 99498000 | 0.0010195 |
| chrX       | 99497001 | 99502000 | 0.000268317 |
| chrX       | 99498001 | 99503000 | 0.000736066 |
| chrX       | 99506001 | 99511000 | 2.16E-05 |
| chrX       | 99560001 | 99565000 | 4.29E-06 |
| chrX       | 99561001 | 99566000 | 4.74E-09 |
| chrX       | 99562001 | 99567000 | 3.17E-06 |
| chrX       | 99563001 | 99568000 | 8.33E-08 |
| chrX       | 99677001 | 99682000 | 0.000754028 |
| chrX       | 99767001 | 99772000 | 9.52E-06 |
| chrX       | 99833001 | 99838000 | 0.001597902 |
| chrX       | 99840001 | 99845000 | 2.21E-05 |
| chrX       | 99841001 | 99846000 | 3.17E-05 |
| Chromosome | Start Base | End Base | P-Value |
|------------|------------|----------|---------|
| chrX       | 99891001   | 99896000 | 1.63E-20 |
| chrX       | 100036001  | 100041000| 0.00933373 |
| chrX       | 100111001  | 100116000| 5.66E-07  |
| chrX       | 100180001  | 100185000| 3.97E-08  |
| chrX       | 100181001  | 100186000| 3.79E-09  |
| chrX       | 100182001  | 100187000| 4.43E-09  |
| chrX       | 100349001  | 100354000| 1.33E-15  |
| chrX       | 100599001  | 100604000| 5.90E-14  |
| chrX       | 100600001  | 100605000| 1.13E-18  |
| chrX       | 100601001  | 100606000| 6.89E-17  |
| chrX       | 100602001  | 100607000| 8.36E-20  |
| chrX       | 100689001  | 100694000| 3.24E-08  |
| chrX       | 100755001  | 100760000| 0.001645124|
| chrX       | 100756001  | 100761000| 0.001268483|
| chrX       | 100758001  | 100763000| 0.001363951|
| chrX       | 100759001  | 100764000| 0.00099673 |
| chrX       | 100784001  | 100789000| 6.53E-08  |
| chrX       | 100962001  | 100967000| 0.000844365|
| chrX       | 100980001  | 100985000| 0.032315278|
| chrX       | 101007001  | 101012000| 8.73E-05  |
| chrX       | 101032001  | 101037000| 8.08E-06  |
| chrX       | 101033001  | 101038000| 1.48E-07  |
| chrX       | 101036001  | 101041000| 0.007306804|
| chrX       | 101117001  | 101122000| 0.010399395|
| chrX       | 101118001  | 101123000| 0.003965023|
| chrX       | 101169001  | 101174000| 0.004024305|
| chrX       | 101182001  | 101187000| 9.58E-13  |
| chrX       | 101183001  | 101188000| 3.32E-12  |
| chrX       | 101253001  | 101258000| 1.32E-06  |
| chrX       | 101308001  | 101313000| 0.003913495|
| chrX       | 101360001  | 101365000| 1.02E-05  |
| chrX       | 101361001  | 101366000| 0.000820765|
| chrX       | 101362001  | 101367000| 2.12E-05  |
| chrX       | 101363001  | 101368000| 3.12E-05  |
| chrX       | 101393001  | 101398000| 8.32E-18  |
| chrX       | 101394001  | 101399000| 4.72E-14  |
| chrX       | 101395001  | 101400000| 8.67E-17  |
| chrX       | 101397001  | 101402000| 3.85E-15  |
| chrX       | 101398001  | 101403000| 0.000371904|
| chrX       | 101399001  | 101404000| 0.000627988|
| chrX       | 101422001  | 101427000| 1.43E-07  |
| chrX       | 101423001  | 101428000| 1.44E-06  |
| chrX       | 101424001  | 101429000| 3.44E-05  |
| chrX       | 101550001  | 101555000| 0.004721  |
| chrX       | 101551001  | 101556000| 0.0004721 |
| chrX       | 101552001  | 101557000| 0.0004721 |
| chrX       | 101553001  | 101558000| 0.002475449|
| chrX       | 101646001  | 101651000| 0.000107488|
| Chromosome | Start | End | P-value |
|------------|-------|-----|---------|
| chrX       | 101671001 | 101676000 | 4.74E-06 |
| chrX       | 101672001 | 101677000 | 4.74E-06 |
| chrX       | 101764001 | 101769000 | 1.24E-05 |
| chrX       | 101765001 | 101770000 | 0.000135112 |
| chrX       | 101767001 | 101772000 | 1.88E-28 |
| chrX       | 101768001 | 101773000 | 2.52E-23 |
| chrX       | 101797001 | 101802000 | 1.17E-09 |
| chrX       | 102020001 | 102025000 | 3.39E-09 |
| chrX       | 102021001 | 102026000 | 1.42E-12 |
| chrX       | 102022001 | 102027000 | 8.61E-10 |
| chrX       | 102023001 | 102028000 | 1.11E-10 |
| chrX       | 102024001 | 102029000 | 4.89E-08 |
| chrX       | 102366001 | 102371000 | 2.07E-07 |
| chrX       | 102451001 | 102456000 | 0.000142436 |
| chrX       | 102477001 | 102482000 | 7.73E-06 |
| chrX       | 102533001 | 102538000 | 6.79E-09 |
| chrX       | 102632001 | 102637000 | 3.97E-08 |
| chrX       | 102732001 | 102737000 | 0.011634681 |
| chrX       | 102761001 | 102766000 | 5.76E-06 |
| chrX       | 102762001 | 102767000 | 4.65E-06 |
| chrX       | 102763001 | 102768000 | 2.59E-05 |
| chrX       | 102811001 | 102816000 | 2.35E-05 |
| chrX       | 102812001 | 102817000 | 1.25E-05 |
| chrX       | 103005001 | 103010000 | 0.000722462 |
| chrX       | 103098001 | 103103000 | 0.000209786 |
| chrX       | 103100001 | 103105000 | 0.000875624 |
| chrX       | 103126001 | 103131000 | 5.32E-05 |
| chrX       | 103127001 | 103132000 | 2.88E-06 |
| chrX       | 103217001 | 103222000 | 3.42E-23 |
| chrX       | 103559001 | 103564000 | 1.40E-05 |
| chrX       | 103613001 | 103618000 | 8.30E-06 |
| chrX       | 103614001 | 103619000 | 0.012751982 |
| chrX       | 103728001 | 103733000 | 0.004965251 |
| chrX       | 103802001 | 103807000 | 0.000228923 |
| chrX       | 103803001 | 103808000 | 0.00018377 |
| chrX       | 103840001 | 103845000 | 0.00121418 |
| chrX       | 103936001 | 103941000 | 3.47E-07 |
| chrX       | 103937001 | 103942000 | 2.26E-06 |
| chrX       | 104047001 | 104052000 | 1.73E-05 |
| chrX       | 104048001 | 104053000 | 3.38E-06 |
| chrX       | 104135001 | 104140000 | 1.60E-06 |
| chrX       | 104147001 | 104152000 | 3.51E-05 |
| chrX       | 104149001 | 104154000 | 1.57E-06 |
| chrX       | 104189001 | 104194000 | 0.002521942 |
| chrX       | 104200001 | 104205000 | 0.002352955 |
| chrX       | 104303001 | 104308000 | 0.000960858 |
| chrX       | 104304001 | 104309000 | 0.000334293 |
| chrX       | 104384001 | 104389000 | 0.000109002 |
| Chromosome | Start | End   | P-value   |
|------------|-------|-------|-----------|
| chrX       | 104385001 | 104390000 | 3.21E-05  |
| chrX       | 104470001 | 104475000 | 2.01E-05  |
| chrX       | 104508001 | 104513000 | 0.001676866 |
| chrX       | 104698001 | 104703000 | 0.002322175 |
| chrX       | 104780001 | 104785000 | 0.002002994 |
| chrX       | 104806001 | 104811000 | 5.41E-05  |
| chrX       | 104807001 | 104812000 | 5.26E-05  |
| chrX       | 104810001 | 104815000 | 1.14E-05  |
| chrX       | 104831001 | 104836000 | 9.76E-05  |
| chrX       | 104832001 | 104837000 | 0.00144763 |
| chrX       | 104833001 | 104838000 | 0.001306581 |
| chrX       | 104834001 | 104839000 | 0.000914874 |
| chrX       | 104835001 | 104840000 | 0.003124071 |
| chrX       | 104876001 | 104881000 | 0.001150569 |
| chrX       | 104902001 | 104907000 | 0.003411321 |
| chrX       | 105042001 | 105047000 | 1.50E-09  |
| chrX       | 105213001 | 105218000 | 5.12E-07  |
| chrX       | 105220001 | 105225000 | 3.67E-06  |
| chrX       | 105236001 | 105241000 | 6.24E-07  |
| chrX       | 105237001 | 105242000 | 3.96E-08  |
| chrX       | 105238001 | 105243000 | 1.27E-06  |
| chrX       | 105239001 | 105244000 | 4.95E-06  |
| chrX       | 105240001 | 105245000 | 8.47E-08  |
| chrX       | 105310001 | 105315000 | 3.80E-07  |
| chrX       | 105322001 | 105327000 | 0.000468553 |
| chrX       | 105323001 | 105328000 | 0.000369285 |
| chrX       | 105358001 | 105363000 | 0.000163557 |
| chrX       | 105403001 | 105408000 | 1.75E-05  |
| chrX       | 105404001 | 105409000 | 1.41E-05  |
| chrX       | 105405001 | 105410000 | 1.73E-05  |
| chrX       | 105406001 | 105411000 | 5.73E-05  |
| chrX       | 105565001 | 105570000 | 0.000290819 |
| chrX       | 105566001 | 105571000 | 0.001694513 |
| chrX       | 105599001 | 105604000 | 0.000236665 |
| chrX       | 105600001 | 105605000 | 0.000106232 |
| chrX       | 105601001 | 105606000 | 1.44E-05  |
| chrX       | 105613001 | 105618000 | 6.73E-06  |
| chrX       | 105614001 | 105619000 | 1.47E-05  |
| chrX       | 105615001 | 105620000 | 1.00E-05  |
| chrX       | 105682001 | 105687000 | 0.001065882 |
| chrX       | 105683001 | 105688000 | 0.005961723 |
| chrX       | 105701001 | 105706000 | 0.006678984 |
| chrX       | 105727001 | 105732000 | 0.003249397 |
| chrX       | 105734001 | 105739000 | 1.98E-06  |
| chrX       | 105805001 | 105810000 | 6.81E-05  |
| chrX       | 105806001 | 105811000 | 2.67E-08  |
| chrX       | 105807001 | 105812000 | 3.82E-08  |
| chrX       | 105808001 | 105813000 | 8.03E-08  |
| Chr | Start | End   | Score   |
|-----|-------|-------|---------|
| chrX| 105809001 | 105814000 | 3.55E-09 |
| chrX| 105825001 | 105830000 | 0.001598618 |
| chrX| 105865001 | 105870000 | 0.001875665 |
| chrX| 105866001 | 105871000 | 0.013926758 |
| chrX| 105887001 | 105892000 | 0.00095371 |
| chrX| 106000001 | 106005000 | 3.40E-05 |
| chrX| 106076001 | 106081000 | 0.011165884 |
| chrX| 106085001 | 106090000 | 0.005986238 |
| chrX| 106196001 | 106201000 | 3.81E-05 |
| chrX| 106198001 | 106203000 | 0.006662318 |
| chrX| 106199001 | 106204000 | 8.46E-05 |
| chrX| 106243001 | 106248000 | 2.72E-10 |
| chrX| 106281001 | 106286000 | 0.000882298 |
| chrX| 106704001 | 106709000 | 0.000105495 |
| chrX| 106955001 | 106960000 | 1.14E-06 |
| chrX| 107263001 | 107268000 | 9.35E-05 |
| chrX| 107310001 | 107315000 | 0.00249338 |
| chrX| 107330001 | 107335000 | 3.04E-28 |
| chrX| 107331001 | 107336000 | 6.47E-33 |
| chrX| 107332001 | 107337000 | 6.38E-35 |
| chrX| 107334001 | 107339000 | 1.23E-23 |
| chrX| 107335001 | 107340000 | 2.22E-25 |
| chrX| 107994001 | 107999000 | 1.09E-05 |
| chrX| 108038001 | 108043000 | 0.000331708 |
| chrX| 108060001 | 108065000 | 1.32E-05 |
| chrX| 108088001 | 108093000 | 1.68E-06 |
| chrX| 108141001 | 108146000 | 0.006984825 |
| chrX| 108153001 | 108158000 | 0.001358564 |
| chrX| 108272001 | 108277000 | 3.27E-07 |
| chrX| 108273001 | 108278000 | 4.49E-05 |
| chrX| 108276001 | 108281000 | 0.000652633 |
| chrX| 108315001 | 108320000 | 0.000785038 |
| chrX| 108327001 | 108332000 | 0.001974356 |
| chrX| 108427001 | 108432000 | 0.001938293 |
| chrX| 108428001 | 108433000 | 0.000671838 |
| chrX| 108429001 | 108434000 | 0.001585763 |
| chrX| 108436001 | 108441000 | 5.86E-05 |
| chrX| 108445001 | 108450000 | 0.000178296 |
| chrX| 108446001 | 108451000 | 8.53E-08 |
| chrX| 108447001 | 108452000 | 1.47E-07 |
| chrX| 108486001 | 108491000 | 1.95E-06 |
| chrX| 108487001 | 108492000 | 1.12E-06 |
| chrX | Start | End   | p-value     |
|------|-------|-------|-------------|
| 108488001 | 108493000 | 5.27E-06 |
| 108523001 | 108528000 | 0.000288513 |
| 108524001 | 108529000 | 0.00056488 |
| 108571001 | 108576000 | 3.70E-07 |
| 108572001 | 108577000 | 2.49E-06 |
| 108573001 | 108578000 | 1.68E-07 |
| 108595001 | 108600000 | 1.22E-06 |
| 108642001 | 108647000 | 2.49E-06 |
| 108713001 | 108718000 | 0.003871389 |
| 108749001 | 108754000 | 0.007761348 |
| 108750001 | 108755000 | 0.006573679 |
| 108760001 | 108765000 | 5.16E-05 |
| 108761001 | 108766000 | 7.31E-06 |
| 108762001 | 108767000 | 1.39E-05 |
| 108776001 | 108781000 | 5.43E-23 |
| 108837001 | 108842000 | 7.18E-06 |
| 108840001 | 108845000 | 5.83E-08 |
| 109588001 | 109593000 | 0.003777119 |
| 109606001 | 109611000 | 0.014736663 |
| 109607001 | 109612000 | 0.009654061 |
| 109608001 | 109613000 | 0.024604067 |
| 109732001 | 109737000 | 5.31E-07 |
| 109733001 | 109738000 | 8.67E-06 |
| 109734001 | 109739000 | 1.65E-07 |
| 109823001 | 109828000 | 2.11E-05 |
| 109824001 | 109829000 | 0.000542847 |
| 109855001 | 109860000 | 1.20E-05 |
| 109856001 | 109861000 | 6.42E-07 |
| 109872001 | 109877000 | 3.19E-05 |
| 109894001 | 109899000 | 5.52E-07 |
| 109895001 | 109900000 | 6.39E-07 |
| 110006001 | 110011000 | 5.62E-08 |
| 110036001 | 110041000 | 5.09E-15 |
| 110037001 | 110042000 | 6.87E-22 |
| 110038001 | 110043000 | 9.14E-30 |
| 110039001 | 110044000 | 1.20E-27 |
| 110148001 | 110153000 | 0.00036048 |
| 110183001 | 110188000 | 4.16E-05 |
| 110185001 | 110190000 | 1.75E-05 |
| 110809001 | 110814000 | 4.48E-06 |
| 110810001 | 110815000 | 2.58E-06 |
| 110811001 | 110816000 | 2.07E-06 |
| 110827001 | 110832000 | 8.88E-06 |
| 110920001 | 110925000 | 1.49E-09 |
| 110923001 | 110928000 | 3.55E-26 |
| 110924001 | 110929000 | 1.43E-24 |
| 111072001 | 111077000 | 0.009552422 |
| chr  | start | end   | P-value |
|------|-------|-------|---------|
| chrX | 111853001 | 111858000 | 8.33E-05 |
| chrX | 111854001 | 111859000 | 1.78E-05 |
| chrX | 111855001 | 111860000 | 2.20E-05 |
| chrX | 111856001 | 111861000 | 3.89E-06 |
| chrX | 111859001 | 111864000 | 0.000411102 |
| chrX | 111862001 | 111867000 | 0.008559491 |
| chrX | 111939001 | 111944000 | 1.61E-06 |
| chrX | 111940001 | 111945000 | 3.02E-06 |
| chrX | 111941001 | 111946000 | 2.45E-06 |
| chrX | 111942001 | 111947000 | 1.74E-06 |
| chrX | 112007001 | 112012000 | 4.31E-06 |
| chrX | 112230001 | 112235000 | 2.10E-05 |
| chrX | 112249001 | 112254000 | 2.53E-05 |
| chrX | 112252001 | 112257000 | 0.001342698 |
| chrX | 112343001 | 112348000 | 9.32E-09 |
| chrX | 112344001 | 112349000 | 1.28E-08 |
| chrX | 112357001 | 112362000 | 2.27E-05 |
| chrX | 112446001 | 112451000 | 0.002514387 |
| chrX | 112447001 | 112452000 | 9.97E-05 |
| chrX | 112576001 | 112581000 | 0.003372068 |
| chrX | 112612001 | 112617000 | 5.55E-07 |
| chrX | 112613001 | 112618000 | 2.84E-12 |
| chrX | 112614001 | 112619000 | 3.05E-10 |
| chrX | 112615001 | 112620000 | 7.72E-10 |
| chrX | 112616001 | 112621000 | 1.18E-09 |
| chrX | 112621001 | 112626000 | 0.01091605 |
| chrX | 112622001 | 112627000 | 0.005308158 |
| chrX | 112623001 | 112628000 | 0.004018387 |
| chrX | 112666001 | 112671000 | 0.005821696 |
| chrX | 112667001 | 112672000 | 0.002800196 |
| chrX | 112668001 | 112673000 | 0.000294534 |
| chrX | 112719001 | 112724000 | 2.83E-16 |
| chrX | 112720001 | 112725000 | 9.21E-18 |
| chrX | 112722001 | 112727000 | 3.51E-14 |
| chrX | 112878001 | 112883000 | 1.29E-05 |
| chrX | 112879001 | 112884000 | 1.09E-05 |
| chrX | 112922001 | 112927000 | 0.00046533 |
| chrX | 112924001 | 112929000 | 0.000118242 |
| chrX | 112955001 | 112960000 | 0.00208615 |
| chrX | 112973001 | 112978000 | 1.07E-08 |
| chrX | 112974001 | 112979000 | 2.37E-10 |
| chrX | 112975001 | 112980000 | 8.19E-12 |
| chrX | 112976001 | 112981000 | 2.08E-07 |
| chrX | 112977001 | 112982000 | 1.93E-06 |
| chrX | 113063001 | 113068000 | 1.47E-08 |
| chrX | 113077001 | 113082000 | 0.001046616 |
| chrX | 113173001 | 113178000 | 0.012930661 |
| chrX | 113233001 | 113238000 | 0.014237655 |
| Chr   | Start     | End       | P-value   |
|-------|-----------|-----------|-----------|
| chrX  | 113234001 | 113239000 | 0.012914809 |
| chrX  | 113256001 | 113261000 | 9.56E-05   |
| chrX  | 113257001 | 113262000 | 5.50E-06   |
| chrX  | 113258001 | 113263000 | 3.57E-06   |
| chrX  | 113325001 | 113330000 | 0.00152877 |
| chrX  | 113326001 | 113331000 | 3.56E-07   |
| chrX  | 113327001 | 113332000 | 3.17E-06   |
| chrX  | 113363001 | 113368000 | 2.93E-14   |
| chrX  | 113364001 | 113369000 | 1.82E-12   |
| chrX  | 113365001 | 113370000 | 4.87E-12   |
| chrX  | 113398001 | 113403000 | 0.0008444148 |
| chrX  | 113399001 | 113404000 | 0.000690401 |
| chrX  | 113491001 | 113496000 | 0.004018288 |
| chrX  | 113497001 | 113502000 | 0.004309992 |
| chrX  | 113498001 | 113503000 | 0.000280528 |
| chrX  | 113499001 | 113504000 | 0.000138085 |
| chrX  | 113500001 | 113505000 | 0.000104974 |
| chrX  | 113501001 | 113506000 | 0.001438722 |
| chrX  | 114170001 | 114175000 | 3.69E-07   |
| chrX  | 114171001 | 114176000 | 9.35E-07   |
| chrX  | 114179001 | 114184000 | 0.029117565 |
| chrX  | 114310001 | 114315000 | 0.001092922 |
| chrX  | 114321001 | 114326000 | 1.26E-05   |
| chrX  | 114506001 | 114511000 | 0.00888101 |
| chrX  | 114791001 | 114796000 | 3.23E-28   |
| chrX  | 114795001 | 114800000 | 1.07E-25   |
| chrX  | 115097001 | 115102000 | 0.003242573 |
| chrX  | 115099001 | 115104000 | 1.06E-06   |
| chrX  | 115182001 | 115187000 | 2.43E-09   |
| chrX  | 115183001 | 115188000 | 4.01E-05   |
| chrX  | 115184001 | 115189000 | 0.003588049 |
| chrX  | 115185001 | 115190000 | 0.000109327 |
| chrX  | 115186001 | 115191000 | 0.000150253 |
| chrX  | 115227001 | 115232000 | 0.000604597 |
| chrX  | 115256001 | 115261000 | 1.08E-08   |
| chrX  | 115266001 | 115271000 | 0.009246508 |
| chrX  | 115393001 | 115398000 | 0.005755843 |
| chrX  | 115663001 | 115668000 | 0.002220968 |
| chrX  | 115740001 | 115745000 | 8.68E-06   |
| chrX  | 115993001 | 115998000 | 0.007803527 |
| chrX  | 115994001 | 115999000 | 0.005816315 |
| chrX  | 115995001 | 116000000 | 0.001670281 |
| chrX  | 115996001 | 116001000 | 0.001027258 |
| chrX  | 116094001 | 116099000 | 0.000191049 |
| chrX  | 116096001 | 116101000 | 4.38E-06   |
| chrX  | 116208001 | 116213000 | 3.87E-05   |
| chrX  | 116404001 | 116409000 | 1.35E-06   |
| chrX  | 116405001 | 116410000 | 1.57E-06   |
| Chr | Start | End   | p-value  |
|-----|-------|-------|----------|
| chrX | 116406001 | 11641000 | 4.90E-06 |
| chrX | 116407001 | 116412000 | 0.000686089 |
| chrX | 116436001 | 116440000 | 3.72E-05 |
| chrX | 116437001 | 116442000 | 7.99E-08 |
| chrX | 116438001 | 116443000 | 4.49E-07 |
| chrX | 116439001 | 116444000 | 8.54E-08 |
| chrX | 116440001 | 116445000 | 4.23E-06 |
| chrX | 116500001 | 116505000 | 0.002427275 |
| chrX | 116501001 | 116506000 | 0.002629585 |
| chrX | 116788001 | 116793000 | 0.000918703 |
| chrX | 116798001 | 116803000 | 6.86E-07 |
| chrX | 116799001 | 116804000 | 7.75E-06 |
| chrX | 116800001 | 116805000 | 2.98E-06 |
| chrX | 116805001 | 116810000 | 0.000214814 |
| chrX | 116877001 | 116882000 | 0.011580233 |
| chrX | 117246001 | 117251000 | 6.36E-18 |
| chrX | 117247001 | 117252000 | 1.19E-17 |
| chrX | 117248001 | 117253000 | 1.02E-16 |
| chrX | 117263001 | 117268000 | 0.000296996 |
| chrX | 117264001 | 117269000 | 0.000161826 |
| chrX | 117265001 | 117270000 | 0.00011934 |
| chrX | 117292001 | 117297000 | 1.03E-05 |
| chrX | 117293001 | 117298000 | 0.000146589 |
| chrX | 117626001 | 117631000 | 5.57E-08 |
| chrX | 117753001 | 117758000 | 2.65E-07 |
| chrX | 118598001 | 118603000 | 9.44E-29 |
| chrX | 118599001 | 118604000 | 2.41E-22 |
| chrX | 118602001 | 118607000 | 1.10E-17 |
| chrX | 118615001 | 118620000 | 6.40E-05 |
| chrX | 118888001 | 118893000 | 2.08E-07 |
| chrX | 119005001 | 119010000 | 3.48E-07 |
| chrX | 119006001 | 119011000 | 1.70E-07 |
| chrX | 119082001 | 119087000 | 0.000284325 |
| chrX | 119490001 | 119495000 | 2.96E-06 |
| chrX | 119738001 | 119743000 | 6.88E-05 |
| chrX | 119759001 | 119764000 | 3.57E-18 |
| chrX | 119760001 | 119765000 | 3.24E-23 |
| chrX | 119927001 | 119932000 | 0.023714003 |
| chrX | 120401001 | 120406000 | 0.002574323 |
| chrX | 120578001 | 120583000 | 0.005073182 |
| chrX | 121190001 | 121195000 | 2.12E-07 |
| chrX | 121207001 | 121212000 | 0.000681523 |
| chrX | 121510001 | 121515000 | 0.004140308 |
| chrX | 121765001 | 121770000 | 1.54E-06 |
| chrX | 121771001 | 121776000 | 0.00135183 |
| chrX | 121807001 | 121812000 | 3.73E-06 |
| chrX | 121811001 | 121816000 | 0.006925792 |
| chrX | 121982001 | 121987000 | 8.69E-07 |
|------|-----------|-----------|----------|
| chrX | 121983001 | 121988000 | 9.78E-08 |
| chrX | 121984001 | 121989000 | 1.95E-06 |
| chrX | 121985001 | 121990000 | 1.88E-07 |
| chrX | 122020001 | 122025000 | 0.007172641 |
| chrX | 122082001 | 122087000 | 0.000129193 |
| chrX | 122083001 | 122088000 | 1.91E-05 |
| chrX | 122084001 | 122089000 | 9.23E-05 |
| chrX | 122150001 | 122155000 | 0.000195323 |
| chrX | 122280001 | 122285000 | 0.008589354 |
| chrX | 122281001 | 122286000 | 0.009130318 |
| chrX | 122345001 | 122350000 | 1.89E-08 |
| chrX | 122346001 | 122351000 | 8.24E-05 |
| chrX | 122347001 | 122352000 | 0.000389656 |
| chrX | 122464001 | 122469000 | 0.01957007 |
| chrX | 122465001 | 122470000 | 0.0134526 |
| chrX | 122466001 | 122471000 | 0.030500306 |
| chrX | 122625001 | 122630000 | 0.004484424 |
| chrX | 122626001 | 122631000 | 0.002715511 |
| chrX | 123152001 | 123157000 | 0.000185165 |
| chrX | 123225001 | 123230000 | 0.00099404 |
| chrX | 123281001 | 123286000 | 0.00045084 |
| chrX | 123282001 | 123287000 | 0.002377005 |
| chrX | 123356001 | 123361000 | 3.76E-07 |
| chrX | 123357001 | 123362000 | 3.77E-09 |
| chrX | 123358001 | 123363000 | 1.58E-06 |
| chrX | 123359001 | 123364000 | 1.60E-06 |
| chrX | 123360001 | 123365000 | 3.25E-11 |
| chrX | 123712001 | 123717000 | 1.89E-05 |
| chrX | 123713001 | 123718000 | 1.04E-09 |
| chrX | 123714001 | 123719000 | 5.23E-13 |
| chrX | 123761001 | 123766000 | 0.000275258 |
| chrX | 123868001 | 123873000 | 1.89E-05 |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chrX       | 123998001      | 124003000    | 7.56E-08 |
| chrX       | 123999001      | 124004000    | 5.51E-09 |
| chrX       | 124000001      | 124005000    | 6.13E-10 |
| chrX       | 124059001      | 124064000    | 0.000134976 |
| chrX       | 124060001      | 124065000    | 1.80E-05 |
| chrX       | 124061001      | 124066000    | 0.000475947 |
| chrX       | 124062001      | 124067000    | 3.05E-05 |
| chrX       | 124101001      | 124106000    | 0.017360777 |
| chrX       | 124181001      | 124186000    | 0.00615328 |
| chrX       | 124183001      | 124188000    | 0.00120467 |
| chrX       | 124184001      | 124189000    | 0.00121438 |
| chrX       | 124415001      | 124420000    | 0.001866206 |
| chrX       | 124433001      | 124438000    | 0.00040282 |
| chrX       | 124612001      | 124617000    | 0.018620318 |
| chrX       | 124741001      | 124746000    | 0.000411193 |
| chrX       | 124760001      | 124765000    | 1.38E-06 |
| chrX       | 124761001      | 124766000    | 1.31E-07 |
| chrX       | 124787001      | 124792000    | 5.38E-13 |
| chrX       | 124788001      | 124793000    | 8.09E-09 |
| chrX       | 124800001      | 124805000    | 0.007092631 |
| chrX       | 124801001      | 124806000    | 0.004026976 |
| chrX       | 124802001      | 124807000    | 9.45E-05 |
| chrX       | 124868001      | 124873000    | 0.000714623 |
| chrX       | 124869001      | 124874000    | 0.00154816 |
| chrX       | 124870001      | 124875000    | 0.00011118 |
| chrX       | 124891001      | 124896000    | 2.57E-05 |
| chrX       | 124920001      | 124925000    | 8.62E-05 |
| chrX       | 124923001      | 124928000    | 1.11E-06 |
| chrX       | 124996001      | 125001000    | 0.000262714 |
| chrX       | 124997001      | 125002000    | 0.00184434 |
| chrX       | 125008001      | 125013000    | 5.68E-06 |
| chrX       | 125009001      | 125014000    | 1.50E-06 |
| chrX       | 125010001      | 125015000    | 3.88E-05 |
| chrX       | 125058001      | 125063000    | 0.000234587 |
| chrX       | 125059001      | 125064000    | 2.04E-05 |
| chrX       | 125109001      | 125114000    | 0.001067671 |
| chrX       | 125111001      | 125116000    | 0.00119677 |
| chrX       | 125112001      | 125117000    | 7.27E-05 |
| chrX       | 125151001      | 125156000    | 1.31E-10 |
| chrX       | 125152001      | 125157000    | 1.15E-10 |
| chrX       | 125171001      | 125176000    | 6.27E-08 |
| chrX       | 125172001      | 125177000    | 1.43E-05 |
| chrX       | 125173001      | 125178000    | 0.00191706 |
| chrX       | 125174001      | 125179000    | 0.00030964 |
| chrX       | 125175001      | 125180000    | 0.000869925 |
| chrX       | 125177001      | 125182000    | 0.024518032 |
| chrX       | 125227001      | 125232000    | 0.000616927 |
| chrX       | 125228001      | 125233000    | 8.60E-05 |
| Chromosome | Start Position | End Position | P-Value |
|------------|----------------|--------------|---------|
| chrX       | 125229001      | 125234000    | 9.60E-05|
| chrX       | 125278001      | 125283000    | 0.00446479|
| chrX       | 125316001      | 125321000    | 0.01166026|
| chrX       | 125522001      | 125527000    | 0.005042839|
| chrX       | 125560001      | 125565000    | 0.000403212|
| chrX       | 125723001      | 125728000    | 2.18E-05|
| chrX       | 125724001      | 125729000    | 0.00139062|
| chrX       | 125725001      | 125730000    | 0.00036632|
| chrX       | 125726001      | 125731000    | 0.000327603|
| chrX       | 125767001      | 125772000    | 0.002017432|
| chrX       | 125869001      | 125874000    | 0.003062398|
| chrX       | 125907001      | 125912000    | 0.00140182|
| chrX       | 125984001      | 125989000    | 0.002081081|
| chrX       | 126063001      | 126068000    | 0.00062195|
| chrX       | 126064001      | 126069000    | 0.003288298|
| chrX       | 126083001      | 126088000    | 3.58E-06|
| chrX       | 126134001      | 126139000    | 8.51E-08|
| chrX       | 126135001      | 126140000    | 8.45E-07|
| chrX       | 126136001      | 126141000    | 4.19E-07|
| chrX       | 126137001      | 126142000    | 3.10E-07|
| chrX       | 126138001      | 126143000    | 6.57E-05|
| chrX       | 126143001      | 126148000    | 0.002223001|
| chrX       | 126144001      | 126149000    | 0.00143648|
| chrX       | 126145001      | 126150000    | 0.000964888|
| chrX       | 126146001      | 126151000    | 0.000404048|
| chrX       | 126147001      | 126152000    | 0.000675951|
| chrX       | 126260001      | 126265000    | 0.000581004|
| chrX       | 126395001      | 126400000    | 0.000329925|
| chrX       | 126396001      | 126401000    | 3.71E-05|
| chrX       | 126397001      | 126402000    | 1.39E-05|
| chrX       | 126398001      | 126403000    | 2.43E-05|
| chrX       | 126399001      | 126404000    | 0.000116492|
| chrX       | 126484001      | 126489000    | 0.000136379|
| chrX       | 126485001      | 126490000    | 0.000153782|
| chrX       | 126504001      | 126509000    | 0.00593413|
| chrX       | 126562001      | 126567000    | 0.002607512|
| chrX       | 126751001      | 126756000    | 0.004517914|
| chrX       | 126938001      | 126943000    | 0.005176072|
| chrX       | 127000001      | 127005000    | 0.000518889|
| chrX       | 127027001      | 127032000    | 1.25E-05|
| chrX       | 127118001      | 127123000    | 0.005980775|
| chrX       | 127119001      | 127124000    | 0.005411188|
| chrX       | 127262001      | 127267000    | 0.002639808|
| chrX       | 127283001      | 127288000    | 1.36E-07|
| chrX       | 127284001      | 127289000    | 0.000261871|
| chrX       | 127286001      | 127291000    | 2.18E-07|
| chrX       | 127287001      | 127292000    | 1.47E-09|
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chrX       | 127290001      | 127295000    | 2.25E-06|
| chrX       | 127293001      | 127298000    | 0.002821945|
| chrX       | 127294001      | 127299000    | 0.004086967|
| chrX       | 127297001      | 127302000    | 0.01440628|
| chrX       | 127434001      | 127439000    | 0.003443219|
| chrX       | 127435001      | 127440000    | 0.000721903|
| chrX       | 127800001      | 127805000    | 0.017552083|
| chrX       | 127973001      | 127978000    | 0.003240202|
| chrX       | 128056001      | 128061000    | 0.026922348|
| chrX       | 128057001      | 128062000    | 0.000425008|
| chrX       | 128236001      | 128241000    | 1.11E-05|
| chrX       | 128237001      | 128242000    | 7.30E-05|
| chrX       | 128292001      | 128297000    | 0.000936251|
| chrX       | 128380001      | 128385000    | 7.42E-08|
| chrX       | 128490001      | 128495000    | 8.94E-10|
| chrX       | 128491001      | 128496000    | 4.60E-07|
| chrX       | 128492001      | 128497000    | 1.91E-05|
| chrX       | 128493001      | 128498000    | 6.82E-06|
| chrX       | 128653001      | 128658000    | 1.43E-14|
| chrX       | 128654001      | 128659000    | 2.70E-12|
| chrX       | 128655001      | 128660000    | 1.04E-11|
| chrX       | 128670001      | 128675000    | 6.21E-19|
| chrX       | 128671001      | 128676000    | 2.39E-26|
| chrX       | 128672001      | 128677000    | 1.76E-25|
| chrX       | 128673001      | 128678000    | 4.96E-23|
| chrX       | 128674001      | 128679000    | 5.45E-16|
| chrX       | 128973001      | 128978000    | 6.66E-06|
| chrX       | 128977001      | 128982000    | 9.44E-08|
| chrX       | 128992001      | 128997000    | 3.50E-06|
| chrX       | 129253001      | 129258000    | 2.46E-06|
| chrX       | 129254001      | 129259000    | 1.11E-06|
| chrX       | 129255001      | 129260000    | 4.99E-08|
| chrX       | 129582001      | 129587000    | 3.31E-13|
| chrX       | 129584001      | 129589000    | 5.87E-13|
| chrX       | 129586001      | 129591000    | 1.36E-12|
| chrX       | 129596001      | 129601000    | 2.39E-05|
| chrX       | 129597001      | 129602000    | 1.58E-06|
| chrX       | 129598001      | 129603000    | 6.23E-07|
| chrX       | 130032001      | 130037000    | 8.12E-18|
| chrX       | 130033001      | 130038000    | 2.01E-19|
| chrX       | 130034001      | 130039000    | 3.90E-14|
| chrX       | 130035001      | 130040000    | 9.39E-13|
| chrX       | 130046001      | 130051000    | 0.00428641|
| chrX       | 130080001      | 130085000    | 0.000118651|
| chrX       | 130084001      | 130089000    | 0.000765848|
| chrX       | 130117001      | 130122000    | 0.000419477|
| chrX       | 130173001      | 130178000    | 7.14E-08|
| chrX       | 130227001      | 130232000    | 0.000119102|
| Chromosome | Start | End   | Value   |
|------------|-------|-------|---------|
| chrX       | 13022001 | 13023000 | 8.57E-05 |
| chrX       | 130229001 | 130234000 | 0.00022924 |
| chrX       | 130235001 | 130240000 | 0.000387517 |
| chrX       | 130236001 | 130241000 | 0.000595954 |
| chrX       | 130237001 | 130242000 | 0.000384523 |
| chrX       | 130253001 | 130258000 | 1.66E-05 |
| chrX       | 130255001 | 130260000 | 3.41E-05 |
| chrX       | 130256001 | 130261000 | 6.38E-05 |
| chrX       | 130299001 | 130304000 | 0.006709324 |
| chrX       | 130300001 | 130305000 | 0.002128695 |
| chrX       | 130399001 | 130414000 | 0.0003759279 |
| chrX       | 130410001 | 130415000 | 0.001765261 |
| chrX       | 130428001 | 130433000 | 0.000179386 |
| chrX       | 130438001 | 130443000 | 0.001417785 |
| chrX       | 130607001 | 130612000 | 2.87E-05 |
| chrX       | 130608001 | 130613000 | 0.00634628 |
| chrX       | 130609001 | 130614000 | 0.000178855 |
| chrX       | 130637001 | 130642000 | 0.003136808 |
| chrX       | 130638001 | 130643000 | 0.00680191 |
| chrX       | 130961001 | 130966000 | 8.44E-06 |
| chrX       | 130962001 | 130967000 | 1.27E-08 |
| chrX       | 130963001 | 130968000 | 6.09E-07 |
| chrX       | 131578001 | 131583000 | 1.45E-07 |
| chrX       | 131579001 | 131584000 | 9.95E-08 |
| chrX       | 131580001 | 131585000 | 1.97E-11 |
| chrX       | 131581001 | 131586000 | 4.08E-10 |
| chrX       | 131610001 | 131615000 | 1.46E-05 |
| chrX       | 131611001 | 131616000 | 1.38E-05 |
| chrX       | 131650001 | 131655000 | 0.000589394 |
| chrX       | 131770001 | 131775000 | 9.53E-06 |
| chrX       | 131880001 | 131883000 | 3.53E-05 |
| chrX       | 132076001 | 132081000 | 4.86E-06 |
| chrX       | 132079001 | 132084000 | 5.22E-09 |
| chrX       | 132080001 | 132085000 | 7.56E-11 |
| chrX       | 132082001 | 132087000 | 0.00346779 |
| chrX       | 132083001 | 132088000 | 1.02E-06 |
| chrX       | 132091001 | 132096000 | 0.005938625 |
| chrX       | 132092001 | 132097000 | 2.26E-07 |
| chrX       | 132101001 | 132106000 | 8.37E-06 |
| chrX       | 132130001 | 132135000 | 0.017168356 |
| chrX       | 132144001 | 132149000 | 5.07E-11 |
| chrX       | 132145001 | 132150000 | 1.74E-12 |
| Chromosome | Start Position | End Position | Score   |
|------------|----------------|--------------|---------|
| chrX       | 132146001      | 132151000    | 2.08E-06|
| chrX       | 132153001      | 132158000    | 0.005099579|
| chrX       | 132197001      | 132202000    | 2.50E-05|
| chrX       | 132198001      | 132203000    | 2.23E-06|
| chrX       | 132254001      | 132259000    | 0.00123245|
| chrX       | 132289001      | 132294000    | 5.75E-09|
| chrX       | 132331001      | 132336000    | 0.000858099|
| chrX       | 132332001      | 132337000    | 0.003244611|
| chrX       | 132359001      | 132364000    | 1.52E-09|
| chrX       | 132360001      | 132365000    | 7.14E-09|
| chrX       | 132361001      | 132366000    | 1.94E-06|
| chrX       | 132363001      | 132368000    | 4.29E-08|
| chrX       | 132538001      | 132543000    | 3.79E-07|
| chrX       | 132745001      | 132750000    | 0.031435541|
| chrX       | 132747001      | 132752000    | 2.18E-05|
| chrX       | 132748001      | 132753000    | 5.11E-05|
| chrX       | 132750001      | 132755000    | 1.18E-05|
| chrX       | 132751001      | 132756000    | 2.15E-09|
| chrX       | 132898001      | 132903000    | 0.000179677|
| chrX       | 132921001      | 132926000    | 0.005211389|
| chrX       | 132955001      | 132960000    | 1.03E-05|
| chrX       | 132956001      | 132961000    | 8.27E-06|
| chrX       | 132957001      | 132962000    | 4.03E-09|
| chrX       | 132958001      | 132963000    | 1.96E-11|
| chrX       | 132959001      | 132964000    | 1.76E-10|
| chrX       | 133038001      | 133043000    | 0.000199291|
| chrX       | 133166001      | 133171000    | 0.00157908|
| chrX       | 133167001      | 133172000    | 0.000175359|
| chrX       | 133168001      | 133173000    | 3.11E-05|
| chrX       | 133169001      | 133174000    | 1.09E-05|
| chrX       | 133170001      | 133175000    | 1.55E-05|
| chrX       | 133171001      | 133176000    | 0.00323945|
| chrX       | 133208001      | 133213000    | 1.02E-08|
| chrX       | 133209001      | 133214000    | 2.96E-19|
| chrX       | 133210001      | 133215000    | 7.55E-19|
| chrX       | 133237001      | 133242000    | 0.002732083|
| chrX       | 133298001      | 133303000    | 8.62E-05|
| chrX       | 133301001      | 133306000    | 1.47E-11|
| chrX       | 133302001      | 133307000    | 4.22E-10|
| chrX       | 133314001      | 133319000    | 0.000817293|
| chrX       | 133367001      | 133372000    | 8.36E-12|
| chrX       | 133368001      | 133373000    | 1.07E-08|
| chrX       | 133370001      | 133375000    | 1.09E-07|
| chrX       | 133435001      | 133440000    | 0.000462378|
| chrX       | 133444001      | 133449000    | 0.000147006|
| chrX       | 133475001      | 133480000    | 3.41E-07|
| chrX       | 133485001      | 133490000    | 0.000455784|
| chrX       | 134151001      | 134156000    | 1.18E-06|
| Chromosome | Start | End   | P-value |
|------------|-------|-------|---------|
| chrX       | 134154001 | 134159000 | 3.12E-06 |
| chrX       | 134186001 | 134191000 | 7.45E-14 |
| chrX       | 134232001 | 134237000 | 1.48E-24 |
| chrX       | 134235001 | 134240000 | 1.29E-05 |
| chrX       | 134318001 | 134323000 | 1.55E-06 |
| chrX       | 134319001 | 134324000 | 4.73E-08 |
| chrX       | 134320001 | 134325000 | 0.000110855 |
| chrX       | 134479001 | 134484000 | 6.09E-19 |
| chrX       | 134552001 | 134557000 | 4.36E-12 |
| chrX       | 134588001 | 134593000 | 0.00260361 |
| chrX       | 134589001 | 134594000 | 0.009693121 |
| chrX       | 134775001 | 134780000 | 0.000154469 |
| chrX       | 134816001 | 134821000 | 0.000753534 |
| chrX       | 134916001 | 134921000 | 0.000326679 |
| chrX       | 135225001 | 135230000 | 1.53E-13 |
| chrX       | 135226001 | 135231000 | 3.00E-07 |
| chrX       | 135227001 | 135232000 | 7.23E-23 |
| chrX       | 135228001 | 135233000 | 4.53E-27 |
| chrX       | 135229001 | 135234000 | 4.08E-22 |
| chrX       | 135328001 | 135333000 | 7.21E-10 |
| chrX       | 135329001 | 135334000 | 2.36E-25 |
| chrX       | 135330001 | 135335000 | 1.78E-19 |
| chrX       | 135331001 | 135336000 | 2.88E-16 |
| chrX       | 135762001 | 135767000 | 0.000489956 |
| chrX       | 136142001 | 136147000 | 0.000126875 |
| chrX       | 136172001 | 136177000 | 1.02E-05 |
| chrX       | 136173001 | 136178000 | 4.94E-05 |
| chrX       | 136174001 | 136179000 | 0.000391445 |
| chrX       | 136256001 | 136261000 | 0.003152547 |
| chrX       | 136265001 | 136270000 | 3.00E-05 |
| chrX       | 136266001 | 136271000 | 5.76E-05 |
| chrX       | 136267001 | 136272000 | 0.000252968 |
| chrX       | 136269001 | 136274000 | 3.77E-05 |
| chrX       | 136282001 | 136287000 | 0.009281368 |
| chrX       | 136284001 | 136289000 | 4.53E-05 |
| chrX       | 136285001 | 136290000 | 4.65E-05 |
| chrX       | 136295001 | 136300000 | 1.67E-07 |
| chrX       | 136305001 | 136310000 | 0.000323744 |
| chrX       | 136306001 | 136311000 | 9.49E-05 |
| chrX       | 136307001 | 136312000 | 2.44E-05 |
| chrX       | 136308001 | 136313000 | 1.11E-06 |
| chrX       | 136363001 | 136368000 | 0.002275774 |
| chrX       | 136384001 | 136389000 | 9.22E-07 |
| chrX       | 136385001 | 136390000 | 6.79E-06 |
| chrX       | 136386001 | 136391000 | 1.43E-05 |
| chrX       | 136394001 | 136399000 | 0.000302097 |
| chrX       | 136397001 | 136402000 | 0.00417434 |
| chrX       | 136415001 | 136420000 | 2.84E-06 |
| Chr | Start | End   | P-value |
|-----|-------|-------|---------|
| chrX | 136416001 | 136421000 | 3.06E-05 |
| chrX | 136417001 | 136422000 | 6.20E-08 |
| chrX | 136418001 | 136423000 | 2.22E-07 |
| chrX | 136520001 | 136525000 | 0.000283186 |
| chrX | 136522001 | 136527000 | 0.000126796 |
| chrX | 136551001 | 136556000 | 5.38E-09 |
| chrX | 136552001 | 136557000 | 1.38E-05 |
| chrX | 136565001 | 136570000 | 0.002330136 |
| chrX | 136573001 | 136578000 | 6.25E-06 |
| chrX | 136574001 | 136579000 | 1.59E-08 |
| chrX | 136575001 | 136580000 | 1.94E-06 |
| chrX | 136632001 | 136637000 | 2.40E-07 |
| chrX | 136633001 | 136638000 | 6.78E-08 |
| chrX | 136634001 | 136639000 | 8.13E-11 |
| chrX | 136698001 | 136703000 | 0.014341271 |
| chrX | 136710001 | 136715000 | 0.003897404 |
| chrX | 136731001 | 136736000 | 1.61E-05 |
| chrX | 136736001 | 136741000 | 4.11E-05 |
| chrX | 136737001 | 136742000 | 6.94E-05 |
| chrX | 136738001 | 136743000 | 0.00011998 |
| chrX | 136816001 | 136821000 | 9.11E-08 |
| chrX | 136817001 | 136822000 | 1.92E-07 |
| chrX | 136819001 | 136824000 | 9.56E-10 |
| chrX | 136820001 | 136825000 | 8.91E-11 |
| chrX | 136823001 | 136828000 | 2.38E-10 |
| chrX | 136824001 | 136829000 | 7.52E-08 |
| chrX | 136912001 | 136917000 | 1.68E-05 |
| chrX | 136913001 | 136918000 | 5.13E-05 |
| chrX | 136914001 | 136919000 | 1.88E-05 |
| chrX | 137102001 | 137107000 | 0.004428453 |
| chrX | 137123001 | 137128000 | 0.008076859 |
| chrX | 137147001 | 137152000 | 0.001181737 |
| chrX | 137168001 | 137173000 | 1.90E-05 |
| chrX | 137268001 | 137273000 | 0.000158892 |
| chrX | 137269001 | 137274000 | 0.000187784 |
| chrX | 137301001 | 137306000 | 6.09E-05 |
| chrX | 137308001 | 137313000 | 0.001397287 |
| chrX | 137309001 | 137314000 | 2.01E-08 |
| chrX | 137315001 | 137320000 | 7.04E-07 |
| chrX | 137316001 | 137321000 | 1.77E-06 |
| chrX | 137372001 | 137377000 | 1.32E-05 |
| chrX | 137373001 | 137378000 | 6.28E-08 |
| chrX | 137381001 | 137386000 | 0.00012764 |
| chrX | 137382001 | 137387000 | 0.001000978 |
| chrX | 137404001 | 137409000 | 5.01E-05 |
| chrX | 137464001 | 137469000 | 0.00044235 |
| chrX | 137559001 | 137564000 | 3.12E-07 |
| chrX | 137571001 | 137576000 | 8.33E-08 |
| Chromosome | Start | End   | Score   |
|------------|-------|-------|---------|
| chrX       | 137572001 | 137577000 | 2.90E-07 |
| chrX       | 137701001 | 137706000 | 0.001127418 |
| chrX       | 137832001 | 137837000 | 0.004463895 |
| chrX       | 137989001 | 137994000 | 0.004086613 |
| chrX       | 137990001 | 137995000 | 0.001074324 |
| chrX       | 138341001 | 138346000 | 4.49E-09 |
| chrX       | 138406001 | 138411000 | 0.007785311 |
| chrX       | 138454001 | 138459000 | 1.49E-09 |
| chrX       | 138455001 | 138460000 | 2.49E-09 |
| chrX       | 138456001 | 138461000 | 1.81E-13 |
| chrX       | 138457001 | 138462000 | 9.49E-13 |
| chrX       | 138465001 | 138470000 | 0.000165282 |
| chrX       | 138500001 | 138505000 | 0.005374383 |
| chrX       | 138551001 | 138556000 | 0.02391624 |
| chrX       | 138623001 | 138628000 | 0.000157933 |
| chrX       | 138624001 | 138629000 | 0.000258105 |
| chrX       | 138625001 | 138630000 | 0.000662081 |
| chrX       | 138626001 | 138631000 | 0.000382716 |
| chrX       | 138627001 | 138632000 | 0.002284935 |
| chrX       | 138906001 | 138911000 | 0.007796798 |
| chrX       | 138907001 | 138912000 | 0.009711059 |
| chrX       | 138908001 | 138913000 | 0.010866902 |
| chrX       | 139010001 | 139015000 | 3.66E-26 |
| chrX       | 139011001 | 139016000 | 5.23E-16 |
| chrX       | 139012001 | 139017000 | 1.62E-20 |
| chrX       | 139013001 | 139018000 | 2.08E-19 |
| chrX       | 139014001 | 139019000 | 2.37E-19 |
| chrX       | 139045001 | 139050000 | 0.000911402 |
| chrX       | 139086001 | 139091000 | 0.000773602 |
| chrX       | 139115001 | 139120000 | 0.003917465 |
| chrX       | 139116001 | 139121000 | 0.011214876 |
| chrX       | 139117001 | 139122000 | 0.00143717 |
| chrX       | 139118001 | 139123000 | 0.000411102 |
| chrX       | 139119001 | 139124000 | 0.00030304 |
| chrX       | 139188001 | 139193000 | 1.35E-06 |
| chrX       | 139318001 | 139323000 | 4.01E-08 |
| chrX       | 139346001 | 139351000 | 0.003794521 |
| chrX       | 139366001 | 139371000 | 1.32E-05 |
| chrX       | 139492001 | 139497000 | 0.000212317 |
| chrX       | 139615001 | 139620000 | 0.022980925 |
| chrX       | 139709001 | 139714000 | 0.001588594 |
| chrX       | 139710001 | 139715000 | 0.001277026 |
| chrX       | 139892001 | 139897000 | 0.002662661 |
| chrX       | 140008001 | 140013000 | 0.002704272 |
| chrX       | 140252001 | 140257000 | 0.000767011 |
| chrX       | 140262001 | 140267000 | 1.20E-07 |
| chrX       | 140263001 | 140268000 | 3.19E-09 |
| chrX       | 140264001 | 140269000 | 2.73E-09 |
| Chr  | Start      | End        | P-value       |
|------|------------|------------|---------------|
| chrX | 140265001  | 140270000  | 2.75E-08      |
| chrX | 140271001  | 140276000  | 3.98E-18      |
| chrX | 140544001  | 140549000  | 9.96E-07      |
| chrX | 140545001  | 140550000  | 6.47E-05      |
| chrX | 140700001  | 140705000  | 0.001857065   |
| chrX | 140957001  | 140962000  | 1.68E-05      |
| chrX | 140958001  | 140963000  | 2.48E-06      |
| chrX | 140959001  | 140964000  | 1.88E-05      |
| chrX | 140960001  | 140965000  | 0.000132728   |
| chrX | 141067001  | 141072000  | 1.56E-07      |
| chrX | 141068001  | 141073000  | 1.46E-06      |
| chrX | 141069001  | 141074000  | 3.77E-05      |
| chrX | 141070001  | 141075000  | 5.09E-05      |
| chrX | 141071001  | 141076000  | 0.003661363   |
| chrX | 141072001  | 141077000  | 0.001508889   |
| chrX | 141148001  | 141153000  | 8.74E-05      |
| chrX | 141256001  | 141261000  | 0.001204512   |
| chrX | 141275001  | 141280000  | 0.001639959   |
| chrX | 141276001  | 141281000  | 0.018980607   |
| chrX | 141361001  | 141366000  | 3.68E-05      |
| chrX | 141362001  | 141367000  | 4.22E-06      |
| chrX | 141363001  | 141368000  | 8.14E-06      |
| chrX | 141442001  | 141447000  | 2.92E-09      |
| chrX | 141529001  | 141534000  | 0.000302852   |
| chrX | 141530001  | 141535000  | 0.000399189   |
| chrX | 141593001  | 141598000  | 0.000942843   |
| chrX | 141651001  | 141656000  | 3.82E-05      |
| chrX | 141652001  | 141657000  | 0.000108013   |
| chrX | 141660001  | 141665000  | 4.53E-05      |
| chrX | 141661001  | 141666000  | 1.00E-05      |
| chrX | 141663001  | 141668000  | 0.000806124   |
| chrX | 141752001  | 141757000  | 3.23E-08      |
| chrX | 141753001  | 141758000  | 2.53E-06      |
| chrX | 141754001  | 141759000  | 3.80E-05      |
| chrX | 141782001  | 141787000  | 6.05E-05      |
| chrX | 141845001  | 141850000  | 4.11E-05      |
| chrX | 141874001  | 141879000  | 8.61E-06      |
| chrX | 142092001  | 142097000  | 0.000300571   |
| chrX | 142093001  | 142098000  | 0.000226938   |
| chrX | 142094001  | 142099000  | 0.000187308   |
| chrX | 142095001  | 142100000  | 0.000367682   |
| chrX | 142110001  | 142115000  | 3.39E-07      |
| chrX | 142132001  | 142137000  | 0.002384389   |
| chrX | 142163001  | 142168000  | 2.28E-05      |
| chrX | 142164001  | 142169000  | 4.12E-05      |
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chrX       | 142213001      | 142218000    | 6.85E-06|
| chrX       | 142249001      | 142254000    | 0.006162788|
| chrX       | 142622001      | 142627000    | 7.93E-08|
| chrX       | 142623001      | 142628000    | 1.31E-08|
| chrX       | 142624001      | 142629000    | 1.50E-09|
| chrX       | 142625001      | 142630000    | 1.42E-10|
| chrX       | 142626001      | 142631000    | 1.50E-05|
| chrX       | 143013001      | 143018000    | 0.006358227|
| chrX       | 143079001      | 143084000    | 6.44E-06|
| chrX       | 143080001      | 143085000    | 1.18E-07|
| chrX       | 143338001      | 143343000    | 4.17E-05|
| chrX       | 143839001      | 143844000    | 3.02E-07|
| chrX       | 143962001      | 143967000    | 7.00E-05|
| chrX       | 143987001      | 143992000    | 1.33E-05|
| chrX       | 143988001      | 143993000    | 2.96E-05|
| chrX       | 143989001      | 143994000    | 1.94E-07|
| chrX       | 144033001      | 144038000    | 9.51E-07|
| chrX       | 144034001      | 144039000    | 4.76E-06|
| chrX       | 144035001      | 144040000    | 1.29E-07|
| chrX       | 144138001      | 144143000    | 0.000130237|
| chrX       | 144251001      | 144256000    | 0.000433781|
| chrX       | 144252001      | 144257000    | 0.000113706|
| chrX       | 144254001      | 144259000    | 0.000122641|
| chrX       | 144255001      | 144260000    | 5.94E-05|
| chrX       | 144524001      | 144529000    | 0.000667889|
| chrX       | 144573001      | 144578000    | 0.015961702|
| chrX       | 144592001      | 144597000    | 5.63E-05|
| chrX       | 144593001      | 144598000    | 1.10E-06|
| chrX       | 144792001      | 144797000    | 0.001882015|
| chrX       | 145116001      | 145121000    | 0.016400684|
| chrX       | 145172001      | 145177000    | 1.96E-06|
| chrX       | 145342001      | 145347000    | 0.002732134|
| chrX       | 145348001      | 145353000    | 0.005928838|
| chrX       | 145349001      | 145354000    | 0.008586616|
| chrX       | 145399001      | 145404000    | 3.45E-06|
| chrX       | 145400001      | 145405000    | 0.000176952|
| chrX       | 145401001      | 145406000    | 0.000612701|
| chrX       | 145425001      | 145430000    | 6.00E-07|
| chrX       | 145426001      | 145431000    | 1.77E-06|
| chrX       | 145442001      | 145447000    | 2.87E-05|
| chrX       | 145472001      | 145477000    | 1.39E-05|
| chrX       | 145473001      | 145478000    | 1.39E-05|
| chrX       | 145474001      | 145479000    | 1.25E-06|
| chrX       | 145475001      | 145480000    | 2.79E-06|
| chrX       | 145476001      | 145481000    | 2.09E-06|
| chrX       | 145691001      | 145696000    | 2.49E-06|
| chrX       | 145692001      | 145697000    | 0.000225901|
| chrX       | 145727001      | 145732000    | 0.006058141|
| Chromosome | Start Position | End Position | P-value |
|------------|----------------|--------------|---------|
| chrX       | 145867001      | 145872000    | 0.007942685 |
| chrX       | 145979001      | 145984000    | 1.08E-06 |
| chrX       | 146078001      | 146083000    | 0.001663814 |
| chrX       | 146179001      | 146184000    | 0.000132727 |
| chrX       | 146180001      | 146185000    | 2.16E-05 |
| chrX       | 146181001      | 146186000    | 0.000185551 |
| chrX       | 146182001      | 146187000    | 4.42E-06 |
| chrX       | 146246001      | 146251000    | 0.001777606 |
| chrX       | 146259001      | 146264000    | 4.50E-05 |
| chrX       | 146321001      | 146326000    | 7.02E-05 |
| chrX       | 146322001      | 146327000    | 4.27E-06 |
| chrX       | 146323001      | 146328000    | 3.01E-06 |
| chrX       | 146324001      | 146329000    | 3.01E-06 |
| chrX       | 146408001      | 146413000    | 4.48E-06 |
| chrX       | 146409001      | 146414000    | 3.08E-06 |
| chrX       | 146412001      | 146417000    | 2.67E-09 |
| chrX       | 146413001      | 146418000    | 4.86E-06 |
| chrX       | 146414001      | 146419000    | 4.29E-06 |
| chrX       | 146415001      | 146420000    | 2.44E-07 |
| chrX       | 146416001      | 146421000    | 8.03E-08 |
| chrX       | 146431001      | 146436000    | 0.000308412 |
| chrX       | 146432001      | 146437000    | 0.001369681 |
| chrX       | 146433001      | 146438000    | 0.000282222 |
| chrX       | 146444001      | 146449000    | 0.000994361 |
| chrX       | 146452001      | 146457000    | 4.54E-11 |
| chrX       | 146453001      | 146458000    | 2.25E-08 |
| chrX       | 146469001      | 146474000    | 1.12E-07 |
| chrX       | 146470001      | 146475000    | 5.47E-07 |
| chrX       | 146479001      | 146484000    | 0.003261523 |
| chrX       | 146613001      | 146618000    | 0.003416857 |
| chrX       | 146615001      | 146620000    | 0.002155334 |
| chrX       | 146764001      | 146769000    | 0.003930035 |
| chrX       | 146800001      | 146805000    | 3.92E-09 |
| chrX       | 146855001      | 146860000    | 5.68E-08 |
| chrX       | 146856001      | 146861000    | 2.04E-06 |
| chrX       | 146857001      | 146862000    | 1.01E-06 |
| chrX       | 146989001      | 146994000    | 1.12E-31 |
| chrX       | 146990001      | 146995000    | 8.82E-18 |
| chrX       | 147117001      | 147122000    | 0.00323338 |
| chrX       | 147118001      | 147123000    | 0.001677132 |
| chrX       | 147245001      | 147250000    | 1.33E-05 |
| chrX       | 147299001      | 147304000    | 0.000428434 |
| chrX       | 147311001      | 147316000    | 0.010185486 |
| chrX       | 147339001      | 147344000    | 1.20E-05 |
| chrX       | 147349001      | 147354000    | 0.000239387 |
| chrX       | 147356001      | 147361000    | 3.32E-06 |
| chrX       | 147357001      | 147362000    | 2.71E-09 |
| Chromosome | Start Position | End Position | p-value |
|------------|----------------|--------------|---------|
| chrX       | 147358001      | 147363000    | 9.43E-08|
| chrX       | 147359001      | 147364000    | 1.17E-05|
| chrX       | 147464000      | 147469000    | 7.23E-05|
| chrX       | 147495001      | 147500000    | 4.34E-06|
| chrX       | 147496001      | 147501000    | 0.00110424|
| chrX       | 147497001      | 147502000    | 1.75E-05|
| chrX       | 147498001      | 147503000    | 0.00172073|
| chrX       | 147520001      | 147525000    | 7.77E-07|
| chrX       | 147594001      | 147599000    | 7.65E-06|
| chrX       | 147603001      | 147608000    | 3.73E-05|
| chrX       | 147692001      | 147697000    | 0.00120721|
| chrX       | 147693001      | 147698000    | 0.000846483|
| chrX       | 147719001      | 147724000    | 0.001618145|
| chrX       | 147782001      | 147787000    | 0.03591822|
| chrX       | 147783001      | 147788000    | 0.002081522|
| chrX       | 147784001      | 147789000    | 0.000533444|
| chrX       | 147785001      | 147790000    | 0.00124609|
| chrX       | 147786001      | 147791000    | 0.001157736|
| chrX       | 147806001      | 147811000    | 0.004963937|
| chrX       | 147815001      | 147820000    | 5.75E-06|
| chrX       | 147863001      | 147868000    | 1.37E-09|
| chrX       | 148068001      | 148073000    | 9.93E-07|
| chrX       | 148283001      | 148288000    | 0.000388812|
| chrX       | 148289001      | 148294000    | 0.003262445|
| chrX       | 148323001      | 148328000    | 4.87E-09|
| chrX       | 148325001      | 148330000    | 3.78E-07|
| chrX       | 148332001      | 148337000    | 0.000700321|
| chrX       | 148334001      | 148339000    | 0.000221411|
| chrX       | 148390001      | 148395000    | 9.57E-06|
| chrX       | 148473001      | 148478000    | 0.02228648|
| chrX       | 148474001      | 148479000    | 0.00120192|
| chrX       | 148475001      | 148480000    | 0.000103385|
| chrX       | 148476001      | 148481000    | 3.74E-05|
| chrX       | 148477001      | 148482000    | 0.000131848|
| chrX       | 148491001      | 148496000    | 1.85E-05|
| chrX       | 148503001      | 148508000    | 0.002139948|
| chrX       | 148504001      | 148509000    | 0.000522428|
| chrX       | 148505001      | 148510000    | 0.000110812|
| chrX       | 148506001      | 148511000    | 0.003977728|
| chrX       | 148708001      | 148713000    | 7.09E-15|
| chrX       | 148874001      | 148879000    | 0.000340829|
| chrX       | 148875001      | 148880000    | 0.001360589|
| chrX       | 149142001      | 149147000    | 0.002509383|
| chrX       | 149182001      | 149187000    | 0.000250855|
| chrX       | 149183001      | 149188000    | 0.000305599|
| chrX       | 149190001      | 149195000    | 5.58E-05|
| chrX       | 149191001      | 149196000    | 2.37E-05|
| Chromosome | Start Position | End Position | p-Value |
|------------|----------------|--------------|---------|
| chrX       | 149192001      | 149197000    | 2.96E-06|
| chrX       | 149223001      | 149228000    | 0.002056872|
| chrX       | 149467001      | 149472000    | 0.000294798|
| chrX       | 149468001      | 149473000    | 3.29E-07|
| chrX       | 149527001      | 149532000    | 4.49E-05|
| chrX       | 149818001      | 149823000    | 9.70E-05|
| chrX       | 149819001      | 149824000    | 5.70E-07|
| chrX       | 150147001      | 150152000    | 5.07E-24|
| chrX       | 150182001      | 150187000    | 0.000212165|
| chrX       | 150184001      | 150189000    | 0.000129174|
| chrX       | 150196001      | 150201000    | 8.97E-05|
| chrX       | 150197001      | 150202000    | 1.04E-07|
| chrX       | 150198001      | 150203000    | 3.69E-08|
| chrX       | 150199001      | 150204000    | 9.64E-06|
| chrX       | 150232001      | 150237000    | 0.002182319|
| chrX       | 150233001      | 150238000    | 0.001787014|
| chrX       | 150282001      | 150287000    | 0.000938364|
| chrX       | 150283001      | 150288000    | 0.000172479|
| chrX       | 150285001      | 150290000    | 2.06E-05|
| chrX       | 150286001      | 150291000    | 0.000430972|
| chrX       | 150287001      | 150292000    | 1.41E-05|
| chrX       | 150288001      | 150293000    | 4.86E-08|
| chrX       | 150289001      | 150294000    | 8.43E-08|
| chrX       | 150291001      | 150296000    | 7.48E-05|
| chrX       | 150292001      | 150297000    | 0.000767811|
| chrX       | 150293001      | 150298000    | 0.00251701|
| chrX       | 150438001      | 150443000    | 0.000116349|
| chrX       | 150650001      | 150655000    | 2.27E-09|
| chrX       | 150651001      | 150656000    | 1.08E-06|
| chrX       | 150653001      | 150658000    | 2.64E-07|
| chrX       | 150654001      | 150659000    | 8.64E-07|
| chrX       | 150655001      | 150660000    | 1.66E-05|
| chrX       | 150794001      | 150799000    | 1.53E-07|
| chrX       | 150795001      | 150800000    | 3.59E-09|
| chrX       | 150796001      | 150801000    | 2.64E-10|
| chrX       | 150797001      | 150802000    | 1.35E-07|
| chrX       | 150798001      | 150803000    | 4.08E-05|
| chrX       | 150799001      | 150804000    | 0.000100739|
| chrX       | 150814001      | 150819000    | 2.90E-05|
| chrX       | 150826001      | 150831000    | 6.27E-08|
| chrX       | 150827001      | 150832000    | 1.25E-06|
| chrX       | 150853001      | 150858000    | 0.002573199|
| chrX       | 151016001      | 151021000    | 1.61E-06|
| chrX       | 151017001      | 151022000    | 0.000653691|
| chrX       | 151156001      | 151161000    | 9.41E-06|
| chrX       | 151189001      | 151194000    | 1.47E-06|
| chrX       | 151314001      | 151319000    | 1.30E-05|
| chrX       | 151315001      | 151320000    | 3.07E-08|
| Chromosome | Start | End   | p-value       |
|------------|-------|-------|--------------|
| chrX       | 151321001 | 151326000 | 0.000125754   |
| chrX       | 151322001 | 151327000 | 7.48E-05      |
| chrX       | 151327001 | 151332000 | 0.001688053   |
| chrX       | 151344001 | 151349000 | 0.000239694   |
| chrX       | 151397001 | 151402000 | 0.010755818   |
| chrX       | 151398001 | 151403000 | 0.000281246   |
| chrX       | 151462001 | 151467000 | 2.53E-19      |
| chrX       | 151463001 | 151468000 | 5.79E-09      |
| chrX       | 151666001 | 151671000 | 3.15E-05      |
| chrX       | 151667001 | 151672000 | 2.14E-07      |
| chrX       | 151668001 | 151673000 | 2.01E-08      |
| chrX       | 151690001 | 151674000 | 7.57E-09      |
| chrX       | 151670001 | 151675000 | 1.91E-06      |
| chrX       | 152174001 | 152179000 | 0.001076305   |
| chrX       | 152214001 | 152219000 | 0.000136727   |
| chrX       | 152493001 | 152498000 | 4.11E-11      |
| chrX       | 152494001 | 152499000 | 2.56E-10      |
| chrX       | 152495001 | 152500000 | 1.11E-08      |
| chrX       | 152526001 | 152531000 | 6.26E-06      |
| chrX       | 152527001 | 152532000 | 6.26E-06      |
| chrX       | 152872001 | 152877000 | 2.06E-09      |
| chrX       | 153196001 | 153201000 | 3.22E-17      |
| chrX       | 153460001 | 153465000 | 2.69E-05      |
| chrX       | 153461001 | 153466000 | 0.000271867   |
| chrX       | 153566001 | 153571000 | 2.75E-16      |
| chrX       | 154407001 | 154412000 | 0.000117934   |
| chrX       | 154458001 | 154463000 | 0.002429377   |
| chrX       | 154459001 | 154464000 | 0.003196468   |
| chrX       | 154467001 | 154472000 | 2.88E-05      |
| chrX       | 154468001 | 154473000 | 0.001048772   |
| chrX       | 154535001 | 154540000 | 0.001276257   |
| chrX       | 154536001 | 154541000 | 3.03E-06      |
| chrX       | 154537001 | 154542000 | 0.000127023   |
| chrX       | 154539001 | 154544000 | 1.51E-06      |
| chrX       | 154540001 | 154545000 | 1.29E-05      |
| chrX       | 154674001 | 154679000 | 0.00066361    |
| chrX       | 154903001 | 154908000 | 0.001301046   |
| chrX       | 154904001 | 154909000 | 0.000253692   |
| chrY       | 6010001   | 6015000   | 5.02E-07      |
| chrY       | 10069001  | 10074000  | 0.000759645   |
| chrY       | 13453001  | 13458000  | 2.57E-11      |
| chrY       | 15635001  | 15640000  | 0.001774097   |
| chrY       | 15636001  | 15641000  | 0.000667217   |
| chrY       | 15637001  | 15642000  | 0.000323727   |
| chrY       | 15638001  | 15643000  | 0.002798473   |
| Chromosome | Start (base pairs) | End (base pairs) | P-value |
|------------|-------------------|-----------------|---------|
| chrY       | 15639001          | 15644000        | 0.001667074 |
| chrY       | 22986001          | 22991000        | 0.02694348  |