**Fig 1C.** Quantification of ACE2 immunofluorescence. Each data point represents the average of five separate images taken from one donor (adult (N=4, 2 females, 2 male) and pediatric (N=3, 2 females, 1 male))

| Donor ID | Age Group | ACE2 | Average ACE2 |
|----------|-----------|------|--------------|
| A1       | Adult     | 7.894| 7.883        |
| A1       | Adult     | 6.989|              |
| A1       | Adult     | 8.014|              |
| A1       | Adult     | 8.107|              |
| A1       | Adult     | 8.41 |              |
| A2       | Adult     | 4.757| 4.484        |
| A2       | Adult     | 4.416|              |
| A2       | Adult     | 4.298|              |
| A2       | Adult     | 4.488|              |
| A2       | Adult     | 4.461|              |
| A3       | Adult     | 5.235| 4.951        |
| A3       | Adult     | 5.132|              |
| A3       | Adult     | 4.988|              |
| A3       | Adult     | 4.975|              |
| A3       | Adult     | 4.425|              |
| A4       | Adult     | 3.128| 3.293        |
| A4       | Adult     | 3.056|              |
| A4       | Adult     | 3.092|              |
| A4       | Adult     | 3.896|              |
| A4       | Adult     | 3.294|              |
| K1       | Child     | 4.164| 4.313        |
| K1       | Child     | 5.192|              |
| K1       | Child     | 4.229|              |
| K1       | Child     | 3.735|              |
| K1       | Child     | 4.247|              |
| K2       | Child     | 3.323| 3.211        |
| K2       | Child     | 3.121|              |
| K2       | Child     | 3.125|              |
| K2       | Child     | 3.298|              |
| K2       | Child     | 3.186|              |
| K3       | Child     | 3.351| 3.591        |
| K3       | Child     | 3.283|              |
| K3       | Child     | 3.253|              |
| K3       | Child     | 3.886|              |
| K3       | Child     | 4.184|              |
**Fig 1D.** Relative ACE2 and TMPRSS2 protein levels compared to GAPDH in adult (3 females, 2 males) and pediatric (3 females, 2 males) NECs.

| Donor ID | Group | ACE2  | TMPRSS2 |
|----------|-------|-------|---------|
| A1       | Adult | 0.91  | 0.61    |
| A2       | Adult | 0.18  | 0.63    |
| A3       | Adult | 3.48  | 0.45    |
| A4       | Adult | 3.97  | 1.07    |
| A5       | Adult | 0.52  | 0.43    |
| K1       | Child | 1.32  | 0.73    |
| K2       | Child | 0.80  | 0.39    |
| K3       | Child | 0.21  | 0.96    |
| K4       | Child | 0.65  | 0.33    |
| K5       | Child | 0.53  | 0.66    |
**Fig 2A.** Plaque forming units (PFU) of SARS-CoV-2 (QLD02) from the apical surface of nasal epithelial cells obtained at 24, 48 and 72 h.p.i. (PFU/mL).

| Donor | Adult_24hpi | Child_24hpi | Adult_48hpi | Child_48hpi | Adult_72hpi | Child_72hpi |
|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1     | 16400       | 2200        | 133733      | 23733       | 1026667     | 177333      |
| 2     | 6933        | 480         | 116000      | 2080        | 1.8072e+007*| 142133      |
| 3     | 120         | 120         | 3427        | 13333       | 4460000*    | 22667       |
| 4     | 11060       | 0           | 48000       | 14000       | 1200000     | 121333      |
| 5     | 60          | 827         | 58800       | 1480000*    | 2200000     | 1200000     |
| 6     | 660         | 40          | 65000       | 1240000*    | 54800       | 4000000     |
| 7     | 400         | 40          | 94000       | 28000       | 78000       | 8000000     |
| 8     | 4600        | 420         | 20000       | NA          | 22000       | NA          |
| 9     | -           | 140         | -           | 440         | -           | 520         |
| 10    | -           | 300         | -           | 320         | -           | 760         |

*Note: Outliers were removed using ROUT's test (Q = 1%). hpi: Hours post infection
N=8 adults: 5 females, 3 males and N=10 children: 5 females, 5 males
| K10  | 280 |
|------|-----|
| K10  | 320 |
|        | Child_48hpi | Child_72hpi |
|--------|-------------|-------------|
| 32000  | 92000       |             |
| 36000  | 40000       |             |
| 3200   | 400000      |             |
| 1200   | 400000      |             |
| 3600   | 20000       |             |
| 1440   | 6400        |             |
| 4000   | 60000       |             |
| 4000   | 7600        |             |
| 32000  | 400         |             |
| 1600   | 240000      |             |
| 32000  | 28000       |             |
| 8400   | 96000       |             |
| 148000 | 1200000     |             |
| NA     | NA          |             |
| NA     | NA          |             |
| 152000 | 240000      |             |
| 96000  | 560000      |             |
| 32000  | 1160000     |             |
| 24000  | 440000      |             |
| NA     | NA          |             |
| NA     | NA          |             |
| 400    | 480         |             |
| 480    | 560         |             |
|   |   |
|---|---|
| 240 | 480 |
| 400 | 1040 |
**Fig 2C.** Relative SARS-CoV-2 (QLD02) NP levels compared to GAPDH in pediatric and adult NECs.

| Donor | Adult_mock | Child_mock | Adult_24hpi | Child_24hpi | Adult_72hpi | Child_72hpi |
|-------|------------|------------|-------------|-------------|-------------|-------------|
| 1     | 0          | 0          | 0.01        | 0           | 2.57        | 0.069       |
| 2     | 0          | 0          | 0.022       | 0           | 1.143       | 0.62        |
| 3     | 0          | 0          | NA          | 0.002       | 0.96        | 0.695       |
| 4     | NA         | NA         | 0.43        | NA*         | 0.81        | 0.78        |
| 5     | NA         | NA         | 1           | **0.02**    | 0.53        |
| 6     | NA         | NA         | 0.05        | **0.07**    | 0.45        | 1.08        |
| 7     | -          | NA         | -           | 0           | -           | 0.1         |
| 8     | -          | NA         | -           | 0           | -           | 0.03        |

*Note: Outliers were removed using ROUT’s test (Q = 1%). hpi: Hours post infection
* NP levels of Pediatric donor 4 at 24 hours post-infection is missing.
**Fig 2D.** Expression of ORF3a RNA in infected cells at various timepoints relative to HPRT expression.

| Donor | Adult_24hpi | Child_24hpi | Adult_48hpi | Child_48hpi | Adult_72hpi | Child_72hpi |
|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1     | 78379.14    | 13880.27    | 72669.37    | 13943.49    | 611757.54   | 93776.24    |
| 2     | 232.97      | 4804.32     | 24296.49    | 309.62      | 56820.64    | 63376.7     |
| 3     | 2723        | 3404.52     | 5170.11     | 469.64      | 2032275.7   | 27254.46    |
| 4     | 31146.12    | 635.77      | 40595.35    | 653.33      | 532504.34   | 2138.61     |
| 5     | 694.87      | 1521.68     | 15771.68    | 71044.27    | 15191.79    | 164820.73   |

* hpi: Hours post infection

(N=5 adults: 4 females, 1 male and N = 5 pediatric donors: 2 females, 3 males).
**Fig 3A.** Principal component analysis for the global transcriptional response of naive pediatric and adult NECs. (N 4 females, 1 male and N = 5 pediatric donors: 2 females, 3 males).

| PC1     | PC2     | PC3     | PC4     | PC5     | PC6     | PC7     | PC8     | PC9     | PC10    |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| -95327.1 | -50286.2 | -73285.4 | -52849.4 | -17037.4 | -29244 | 26788.17 | -28510.7 | -15302 | 4.02E-10 |
| 24806.05 | -9320.16 | 32844.03 | -27386.4 | 5093.232 | -47863.4 | 20482.9 | -607.882 | 38800.91 | 4.02E-10 |
| -14047.2 | 42255   | 86554.22 | -48133.8 | -49977.3 | 6105.17 | 27245.92 | 28718.51 | -5942.26 | 4.02E-10 |
| -48620   | -53215.5 | 81999.56 | -17243.4 | 9712.024 | 9688.337 | -47228.8 | -14579.1 | -25631.8 | 4.02E-10 |
| -66022.5 | 14839.11 | -44964.3 | 41926.24 | 41987.52 | -31127.5 | -2582.25 | 37123.65 | -18763.8 | 4.02E-10 |
| 304195.4 | -22091  | -72742.8 | -15537.6 | -20283.8 | 12382.09 | -15328.5 | 6677.074 | -5674.7 | 4.02E-10 |
| 119575.4 | 38637.06 | 54379.82 | 1986.511 | 66602.26 | 13539.5 | 36020.1 | -16844 | 1227.331 | 4.02E-10 |
| 3681.293 | -31242.3 | 23959.98 | 124380.3 | -41092.9 | -612.41 | 9499.833 | -13812.2 | 3037.351 | 4.02E-10 |
| -99993.1 | 200677.4 | -49933.2 | 353.2514 | -7428.02 | 23190.2 | -17279.3 | -10195 | 7129.299 | 4.02E-10 |
| -128248 | -130254 | -38811.9 | -7495.63 | 12424.38 | 47941.96 | 3347.687 | 12029.57 | 21119.6 | 4.02E-10 |
1=5 adults:

| Age Group      |
|----------------|
| Adult          |
| Adult          |
| Adult          |
| Adult          |
| Adult          |
| Paediatric     |
| Paediatric     |
| Paediatric     |
| Paediatric     |
| Paediatric     |
**Fig 3B.** DGEs analysis of infected cells (independent of donors’ age). DEGs were identified using DESeq2, genes with adjusted p-value less than 0.05 value were considered significant.

| Genes  | baseMean | log2FoldChange | lfcSE | stat  | pvalue   | padj    |
|--------|----------|----------------|-------|-------|----------|---------|
| ADH7   | 2874.532 | -1.00421       | 0.237966 | -4.21997 | 2.44E-05 | 0.041236 |
| ENPEP  | 32.35705 | 2.58263        | 0.525359 | 4.915929 | 8.84E-07 | 0.006328 |
| GPATCH4| 51.0056  | -1.19709       | 0.284169 | -4.21259 | 2.52E-05 | 0.041236 |
| IGF2   | 24.55162 | 3.851189       | 0.793619 | 4.852693 | 1.22E-06 | 0.006328 |
| MAP3K12| 151.4382 | -2.38054       | 0.549252 | -4.33415 | 1.46E-05 | 0.032863 |
| MMP16  | 4.66984  | -5.37427       | 1.300314 | -4.13306 | 3.58E-05 | 0.049609 |
| PCDHA11| 14.09029 | -3.17871       | 0.710306 | -4.47513 | 7.64E-06 | 0.019601 |
| PTPQ   | 60.26947 | -2.23112       | 0.492802 | -4.52742 | 5.97E-06 | 0.017879 |
| RYR3   | 99.46414 | 5.719201       | 1.185634 | 4.82375  | 1.41E-06 | 0.006328 |
| SAA4   | 8.002679 | 4.804457       | 1.13706  | 4.225334 | 2.39E-05 | 0.041236 |
| SLC26A4| 114.124  | 4.29726        | 1.039886 | 4.132433 | 3.59E-05 | 0.049609 |
| ZBED6CL| 109.8951 | 1.398693       | 0.308122 | 4.539415 | 5.64E-06 | 0.017879 |
| ZFP57  | 16.79348 | 6.78271        | 1.351402 | 5.019018 | 5.19E-07 | 0.006328 |
**Fig 3C.** Raw data of Gene ontology (GO) analysis of DEGs in infected pediatric NECs were displayed by the number of significantly GO enriched (Overrepresented p value < 0.05) results were marked in red, x-axis reflects percentage over genes in each GO category; y-axis reflects different GO term:

| category | over_represented_pvalue | under_represented_pvalue | numDEInCat | numInCat |
|----------|-------------------------|---------------------------|------------|----------|
| 875 GO:0002376 | 0 | 1 | 19 | 482 |
| 3995 GO:0009615 | 0 | 1 | 16 | 101 |
| 9935 GO:0045071 | 0 | 1 | 7 | 41 |
| 9936 GO:0045087 | 0 | 1 | 17 | 410 |
| 11724 GO:0051607 | 0 | 1 | 21 | 177 |
| 12251 GO:0060337 | 0 | 1 | 14 | 53 |
| 12247 GO:0060333 | 3.52E-09 | 1 | 6 | 65 |
| 1313 GO:0003725 | 4.93E-09 | 1 | 6 | 69 |
| 13056 GO:0070106 | 1.38E-08 | 1 | 4 | 14 |
| 15616 GO:0140374 | 1.41E-08 | 1 | 4 | 14 |
| 7310 GO:0032728 | 1.59E-08 | 1 | 5 | 40 |
| 509 GO:0001730 | 3.03E-08 | 1 | 3 | 4 |
| 12465 GO:0060700 | 3.03E-08 | 1 | 3 | 4 |
| 1312 GO:0003724 | 3.69E-07 | 0.999999992 | 5 | 74 |
| 7199 GO:0032480 | 4.25E-07 | 0.999999996 | 4 | 31 |
| 3996 GO:0009617 | 6.72E-07 | 0.999999984 | 5 | 83 |
| 3113 GO:0006952 | 8.59E-07 | 0.999999979 | 5 | 87 |
| 15804 GO:1900246 | 8.87E-07 | 0.999999977 | 3 | 10 |
| 1634 GO:0043836 | 9.55E-06 | 0.99999961 | 5 | 143 |
| 7309 GO:0032727 | 1.29E-05 | 0.99999988 | 3 | 23 |
| 4919 GO:0016032 | 1.69E-05 | 0.999998223 | 8 | 577 |
| 1311 GO:0003723 | 2.32E-05 | 0.999995991 | 12 | 1473 |
| 15803 GO:1900245 | 2.35E-05 | 0.99999997 | 2 | 4 |
| 8885 GO:0039530 | 2.36E-05 | 0.99999997 | 2 | 4 |
| 10904 GO:0048248 | 2.41E-05 | 0.999999969 | 2 | 4 |
| 15005 GO:0098844 | 3.89E-05 | 0.999999926 | 2 | 5 |
| 11272 GO:0050688 | 3.95E-05 | 0.999999924 | 2 | 5 |
| 6955 GO:0032020 | 5.97E-05 | 0.999999846 | 2 | 6 |
| 4974 GO:0016185 | 8.13E-05 | 0.999999742 | 2 | 7 |
| 8884 GO:0039529 | 8.21E-05 | 0.999999737 | 2 | 7 |
| 1315 GO:0003727 | 9.43E-05 | 0.999998194 | 3 | 44 |
| 1263 GO:0003374 | 0.000108333 | 0.999999587 | 2 | 8 |
| 15023 GO:0098884 | 0.000139952 | 0.999999375 | 2 | 9 |
| 7862 GO:0034340 | 0.000140517 | 0.999999371 | 2 | 9 |
| 4333 GO:0010818 | 0.000141801 | 0.999999363 | 2 | 9 |
| 11324 GO:0050803 | 0.000174027 | 0.999999114 | 2 | 10 |
| 8272 GO:0035455 | 0.000177826 | 0.999999085 | 2 | 10 |
| 3116 GO:0006955 | 0.000190714 | 0.99985173 | 5 | 266 |
| 9781 GO:0044327 | 0.000256079 | 0.99998366 | 2 | 12 |
| 8274 GO:0035457 | 0.000302582 | 0.99997875 | 2 | 13 |
| Gene ID | GO ID   | FDR    | pValue  | qValue | Counts | Fold Change |
|--------|---------|--------|---------|--------|--------|-------------|
| 10011  | GO:0045236 | 0.000308866 | 0.999997808 | 2 | 13 |
| 6932   | GO:0031966  | 0.000312615   | 0.99981974   | 4 | 162 |
| 77     | GO:0000166  | 0.0003166106  | 0.999981974  | 11 | 1741 |
| 5556   | GO:0019216  | 0.000333431   | 0.999993982  | 2 | 18 |
| 118    | GO:0000266  | 0.000359604   | 0.999993943  | 2 | 18 |
| 13629  | GO:0071360  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 9213   | GO:0042742  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 10126  | GO:0045648  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 3420   | GO:0008015  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 4957   | GO:0016126  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 810    | GO:0002230  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 3418   | GO:0008009  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 8252   | GO:0035395  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 7403   | GO:0032896  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 14050  | GO:0072308  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 16540  | GO:1903487  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 16700  | GO:1903900  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 4356   | GO:0010844  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 4054   | GO:0009918  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 4958   | GO:0016132  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 10749  | GO:0047598  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 4378   | GO:0010879  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 7788   | GO:0034127  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 4334   | GO:0010819  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 9879   | GO:0044827  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 3964   | GO:0009409  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 2398   | GO:0005783  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 10965  | GO:0048471  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 14914  | GO:0098586  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 2969   | GO:0006695  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 13557  | GO:0071222  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 6800   | GO:0031623  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 12607  | GO:0061025  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 13050  | GO:0070098  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 7865   | GO:0034344  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 8883   | GO:0039528  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 14699  | GO:0097233  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 10542  | GO:0046725  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 1246   | GO:0003340  | 0.000362618   | 0.9999951281 | 2 | 23 |
| 16727  | GO:1903966  | 0.000362618   | 0.9999951281 | 2 | 23 |
| GO:00036430 | 0.004009738 | 0.999996064 | 1 | 2 |
| GO:00036431 | 0.004009738 | 0.999996064 | 1 | 2 |
| GO:00350145 | 0.004011322 | 0.999996061 | 1 | 2 |
| GO:00613266 | 0.004011846 | 0.999996066 | 1 | 2 |
| GO:0050145 | 0.004015285 | 0.999996053 | 1 | 2 |
| GO:0034124 | 0.004015357 | 0.999996053 | 1 | 2 |
| GO:00613266 | 0.004017058 | 0.999996060 | 1 | 2 |
| GO:0004798 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0006227 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0006233 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0019043 | 0.004041637 | 0.999996001 | 1 | 2 |
| GO:0071357 | 0.004047221 | 0.999995990 | 1 | 2 |
| GO:0003920 | 0.004049192 | 0.999995986 | 1 | 2 |
| GO:1902560 | 0.004049192 | 0.999995986 | 1 | 2 |
| GO:1901740 | 0.004054385 | 0.999995976 | 1 | 2 |
| GO:0019060 | 0.004065656 | 0.999995953 | 1 | 2 |
| GO:0032481 | 0.004065656 | 0.999995953 | 1 | 2 |
| GO:0030593 | 0.005943456 | 0.999790847 | 2 | 57 |
| GO:0016717 | 0.00597615 | 0.999988335 | 1 | 3 |
| GO:0000254 | 0.006039471 | 0.999988086 | 1 | 3 |
| GO:0035710 | 0.006039495 | 0.999988086 | 1 | 3 |
| GO:0005219 | 0.006039471 | 0.999988086 | 1 | 3 |
| GO:0005525 | 0.00538534 | 0.999320325 | 4 | 352 |
| GO:0050145 | 0.004015285 | 0.999996053 | 1 | 2 |
| GO:0034124 | 0.004015357 | 0.999996053 | 1 | 2 |
| GO:00613266 | 0.004017058 | 0.999996060 | 1 | 2 |
| GO:0004798 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0006227 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0006233 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0019043 | 0.004041637 | 0.999996001 | 1 | 2 |
| GO:0071357 | 0.004047221 | 0.999995990 | 1 | 2 |
| GO:0003920 | 0.004049192 | 0.999995986 | 1 | 2 |
| GO:1902560 | 0.004049192 | 0.999995986 | 1 | 2 |
| GO:1901740 | 0.004054385 | 0.999995976 | 1 | 2 |
| GO:0019060 | 0.004065656 | 0.999995953 | 1 | 2 |
| GO:0032481 | 0.004065656 | 0.999995953 | 1 | 2 |
| GO:0030593 | 0.005943456 | 0.999790847 | 2 | 57 |
| GO:0016717 | 0.00597615 | 0.999988335 | 1 | 3 |
| GO:0000254 | 0.006039471 | 0.999988086 | 1 | 3 |
| GO:0035710 | 0.006039495 | 0.999988086 | 1 | 3 |
| GO:0005219 | 0.006039471 | 0.999988086 | 1 | 3 |
| GO:0005525 | 0.00538534 | 0.999320325 | 4 | 352 |
| GO:0034124 | 0.004015357 | 0.999996053 | 1 | 2 |
| GO:00613266 | 0.004017058 | 0.999996060 | 1 | 2 |
| GO:0004798 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0006227 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0006233 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0019043 | 0.004041637 | 0.999996001 | 1 | 2 |
| GO:0071357 | 0.004047221 | 0.999996001 | 1 | 2 |
| GO:0003920 | 0.004049192 | 0.999996001 | 1 | 2 |
| GO:1902560 | 0.004049192 | 0.999996001 | 1 | 2 |
| GO:1901740 | 0.004054385 | 0.999996001 | 1 | 2 |
| GO:0019060 | 0.004065656 | 0.999996001 | 1 | 2 |
| GO:00613266 | 0.004017058 | 0.999996060 | 1 | 2 |
| GO:0004798 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0006227 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0006233 | 0.004038859 | 0.999996007 | 1 | 2 |
| GO:0019043 | 0.004041637 | 0.999996001 | 1 | 2 |
| GO ID  | Annotation | q-value  | FDR        | Count  |
|--------|------------|----------|------------|--------|
| GO:1901509 | 0.007991801 | 0.999976515 | 1        |
| GO:0004127 | 0.008010354 | 0.999976405 | 1        |
| GO:2000342 | 0.008014058 | 0.999976314 | 1        |
| GO:0006144 | 0.008057558 | 0.999976126 | 1        |
| GO:0006235 | 0.008080919 | 0.999976087 | 1        |
| GO:0071650 | 0.010002241 | 0.999960732 | 1        |
| GO:0006163 | 0.010121338 | 0.99995979 | 1       |
| GO:0071346 | 0.010528306 | 0.999960491 | 1        |
| GO:0005829 | 0.01097264 | 0.999465612 | 2        |
| GO:0055114 | 0.011835303 | 0.998124053 | 4        |
| GO:0002735 | 0.011923982 | 0.99941262 | 1        |
| GO:0016628 | 0.011982947 | 0.999941252 | 1        |
| GO:0009597 | 0.011983594 | 0.999941246 | 1        |
| GO:005789 | 0.011997597 | 0.999941216 | 1        |
| GO:0071286 | 0.013889239 | 0.99918766 | 1        |
| GO:0005829 | 0.013916414 | 0.999918447 | 1        |
| GO:0060760 | 0.013919646 | 0.999918409 | 1        |
| GO:0046825 | 0.013999498 | 0.99919426 | 1        |
| GO:0008603 | 0.014003903 | 0.99917416 | 1        |
| GO:2000553 | 0.014040850 | 0.99917361 | 1        |
| GO:0005789 | 0.014206055 | 0.996493099 | 6        |
| GO:0031410 | 0.015460792 | 0.99667197 | 5        |
| GO:0008203 | 0.015645007 | 0.99907981 | 2        |
| GO:0015278 | 0.01579347 | 0.999892706 | 1        |
| GO:0038113 | 0.015874413 | 0.9998916 | 1        |
| GO:0039536 | 0.015923979 | 0.999890846 | 1        |
| GO:0010452 | 0.015954539 | 0.9998905 | 1        |
| GO ID   | GO Term       | EASE Score | Corrected P-value | Z Score | GO Count | GO Total |
|---------|---------------|------------|-------------------|---------|----------|----------|
| GO:0042118 | 8962         | 0.017905772 | 0.999859795       | 1       | 9        |
| GO:0006221 | 2647         | 0.017918078 | 0.999859602       | 1       | 9        |
| GO:2000479 | 17906        | 0.017937741 | 0.999858753       | 1       | 9        |
| GO:0009142 | 3890         | 0.018093869 | 0.999856824       | 1       | 9        |
| GO:0003924 | 1389         | 0.019049288 | 0.997548748       | 3       | 282      |
| GO:0006221 | 2647         | 0.017918078 | 0.999859602       | 1       | 9        |
| GO:0009142 | 3890         | 0.017971936 | 0.999858753       | 1       | 9        |
| GO:0003924 | 1389         | 0.019049288 | 0.997548748       | 3       | 282      |
| GO:0006221 | 2647         | 0.017918078 | 0.999859602       | 1       | 9        |
| GO:0009142 | 3890         | 0.017971936 | 0.999858753       | 1       | 9        |
| GO:0003924 | 1389         | 0.019049288 | 0.997548748       | 3       | 282      |
| GO:0006221 | 2647         | 0.017918078 | 0.999859602       | 1       | 9        |
| GO:0009142 | 3890         | 0.017971936 | 0.999858753       | 1       | 9        |
| GO:0003924 | 1389         | 0.019049288 | 0.997548748       | 3       | 282      |
| ID     | GO          | P-value   | FDR       | q-value   | Sample Size |
|--------|-------------|-----------|-----------|-----------|-------------|
| 14209  | GO:0080182  | 0.031471227 | 0.999541046 | 1         | 16          |
| 9250   | GO:0042800  | 0.031603929 | 0.999537145 | 1         | 16          |
| 11283  | GO:0050709  | 0.031704293 | 0.999534183 | 1         | 16          |
| 7586   | GO:0033280  | 0.03172492  | 0.999533573 | 1         | 16          |
| 13053  | GO:0070102  | 0.033406455 | 0.999480488 | 1         | 17          |
| 2262   | GO:0005521  | 0.033526748 | 0.999476717 | 1         | 17          |
| 16413  | GO:1903077  | 0.033527538 | 0.999476692 | 1         | 17          |
| 13608  | GO:0071318  | 0.033649637 | 0.99947285  | 1         | 17          |
| 3767   | GO:0008637  | 0.033657936 | 0.999472588 | 1         | 17          |
| 10216  | GO:0045824  | 0.033699003 | 0.999471292 | 1         | 17          |
| 3269   | GO:0007221  | 0.033757751 | 0.999470199 | 1         | 18          |
| 9482   | GO:0043330  | 0.033757751 | 0.999470199 | 1         | 19          |
| 325    | GO:0000979  | 0.033757751 | 0.999470199 | 1         | 19          |
| 15467  | GO:0120020  | 0.033757751 | 0.999470199 | 1         | 19          |
| 14980  | GO:0098793  | 0.033765087 | 0.99643917  | 2         | 153         |
| 1736   | GO:0004550  | 0.033775775 | 0.99933095  | 1         | 19          |
| 2613   | GO:0006165  | 0.033775775 | 0.99933095  | 1         | 19          |
| 2098   | GO:0005125  | 0.033817553 | 0.996346376 | 2         | 153         |
| 3095   | GO:0006915  | 0.0339132699 | 0.991075764 | 4         | 640         |
| 16412  | GO:1903076  | 0.033950174 | 0.999265237 | 1         | 20          |
| 11357  | GO:0058060  | 0.033950367 | 0.999265173 | 1         | 20          |
| 6395   | GO:0030659  | 0.033951288 | 0.996168215 | 2         | 157         |
| 6313   | GO:0030424  | 0.033953968 | 0.993261739 | 3         | 377         |
| 8275   | GO:0035458  | 0.033957374 | 0.999265237 | 1         | 20          |
| 717    | GO:0002053  | 0.041232705 | 0.999196941 | 1         | 21          |
| 5149   | GO:0016571  | 0.04133332  | 0.999192988 | 1         | 21          |
| 10138  | GO:0045662  | 0.041501612 | 0.99916352  | 1         | 21          |
| 3754   | GO:0008610  | 0.043101433 | 0.999116098 | 1         | 22          |
| 9937   | GO:0045088  | 0.043271747 | 0.999112906 | 1         | 22          |
| 13276  | GO:0070542  | 0.043318408 | 0.999110976 | 1         | 22          |
| 1734   | GO:0004540  | 0.043435886 | 0.999106109 | 1         | 22          |
| 579    | GO:0001836  | 0.043569256 | 0.999100567 | 1         | 22          |
| 3290   | GO:0007267  | 0.044625164 | 0.995373739 | 2         | 167         |
| 8039   | GO:0034704  | 0.045096359 | 0.999033905 | 1         | 23          |
| 7297   | GO:0032703  | 0.04522396  | 0.999028384 | 1         | 23          |
| 9808   | GO:0044389  | 0.045312345 | 0.999024551 | 1         | 23          |
| 2753   | GO:0006401  | 0.045332363 | 0.999023682 | 1         | 23          |
| 10275  | GO:0045944  | 0.04854393  | 0.985881048 | 5         | 999         |
| 8186   | GO:0035257  | 0.048739861 | 0.998865935 | 1         | 25          |
| 5401   | GO:0018024  | 0.050759689 | 0.998767143 | 1         | 26          |
| 2405   | GO:0005790  | 0.050831196 | 0.998763635 | 1         | 26          |
| 8113   | GO:0035035  | 0.050844911 | 0.998762961 | 1         | 26          |
| 2316   | GO:0005640  | 0.050845267 | 0.998762944 | 1         | 26          |
| 4137   | GO:0010332  | 0.050868682 | 0.998761794 | 1         | 26          |
| 4747   | GO:0015630  | 0.051599754 | 0.994203796 | 2         | 182         |
| GO ID     | Description       | q-value  | FDR     | Classification | Count | Total |
|-----------|-------------------|----------|---------|----------------|-------|-------|
| GO:0006631| 2918              | 0.051831258 | 0.994163441 | 2 | 182 |
| GO:0030507| 6337              | 0.05263726  | 0.998671407 | 1 | 27 |
| GO:0005741| 2366              | 0.052793453 | 0.993994118 | 2 | 184 |
| GO:0005164| 2127              | 0.053095827 | 0.99864793 | 1 | 27 |
| GO:0042056| 8942              | 0.053196441 | 0.99864275 | 1 | 28 |
| GO:0030507| 11771             | 0.054619063 | 0.998566509 | 1 | 28 |
| GO:0005164| 9934              | 0.054691128 | 0.998562686 | 1 | 27 |
| GO:0042056| 3284              | 0.054800397 | 0.998556879 | 1 | 28 |
| GO:0005741| 5186              | 0.05543258  | 0.998460717 | 1 | 29 |
| GO:0001937| 10638             | 0.056543258 | 0.99834836 | 1 | 30 |
| GO:0035666| 8390              | 0.05705241  | 0.9983375 | 1 | 30 |
| GO:0009117| 3885              | 0.058915117 | 0.99825669 | 1 | 30 |
| GO:0051209| 11541             | 0.060324914 | 0.998241539 | 1 | 31 |
| GO:0033017| 14674             | 0.060628772 | 0.99823582 | 1 | 31 |
| GO:0090501| 14503             | 0.060774353 | 0.998214945 | 1 | 31 |
| GO:0005741| 7473              | 0.062210099 | 0.998126713 | 1 | 32 |
| GO:0012506| 4451              | 0.06223545  | 0.998125169 | 1 | 32 |
| GO:0072593| 18178             | 0.062474955 | 0.998110545 | 1 | 32 |
| GO:0005741| 7315              | 0.062494444 | 0.998109352 | 1 | 32 |
| GO:0005741| 6332              | 0.067862573 | 0.997760157 | 1 | 35 |
| GO:0005741| 14132             | 0.068171471 | 0.997739463 | 1 | 35 |
| GO:0005515| 2257              | 0.068529128 | 0.964195267 | 30 | 12266 |
| GO:0019985| 5777              | 0.06916686  | 0.997618816 | 1 | 36 |
| GO:0050661| 11255             | 0.071799385 | 0.997485216 | 1 | 37 |
| GO:0050918| 11400             | 0.07196473  | 0.997473466 | 1 | 37 |
| GO:0073899| 3327              | 0.075308521 | 0.997225968 | 1 | 39 |
| GO:0007389| 13249             | 0.075329526 | 0.997224399 | 1 | 39 |
| GO:0051591| 11711             | 0.07542913  | 0.997216952 | 1 | 39 |
| GO:0019955| 5764              | 0.075584093 | 0.997205345 | 1 | 39 |
| GO:0042981| 9295              | 0.077960064 | 0.98896411 | 2 | 230 |
| GO:0042802| 9251              | 0.078137763 | 0.971107621 | 6 | 1501 |
| GO:0001102| 352               | 0.079167598 | 0.996926178 | 1 | 41 |
| GO:0097191| 14672             | 0.079519979 | 0.99689835 | 1 | 41 |
| GO:0051879| 11821             | 0.080999625 | 0.996778228 | 1 | 42 |
| GO:0015485| 4737              | 0.081090055 | 0.996770922 | 1 | 42 |
| GO:0120009| 15460             | 0.082980461 | 0.996614384 | 1 | 43 |
| GO:0043124| 9372              | 0.084508887 | 0.996484684 | 1 | 44 |
| GO:0034605| 7980              | 0.084668956 | 0.996471145 | 1 | 44 |
| GO:0051539| 11684             | 0.084849272 | 0.996455862 | 1 | 44 |
| GO:0016579| 5157              | 0.086786201 | 0.986940782 | 2 | 245 |
| GO:0022627| 6032              | 0.087757372 | 0.99620277 | 1 | 45 |
| GO:0016787| 5231              | 0.089189593 | 0.965864467 | 6 | 1556 |
| GO:1903779| 16655             | 0.089954645 | 0.996003245 | 1 | 47 |
| GO:0015629| 4746              | 0.08998287  | 0.986176229 | 2 | 251 |
| ID        | GO          | Score1          | Score2          | Value1 | Value2 |
|-----------|-------------|----------------|----------------|--------|--------|
| 3422      | GO:0008017  | 0.090573227     | 0.986033253     | 2      | 252    |
| 5559      | GO:0019221  | 0.094785777     | 0.984997128     | 2      | 258    |
| 9534      | GO:0043434  | 0.097432927     | 0.995290287     | 1      | 51     |
| 11583     | GO:0051289  | 0.097548322     | 0.995278922     | 1      | 51     |
| 2917      | GO:0006629  | 0.098246136     | 0.975705744     | 3      | 550    |
| 9948      | GO:0045111  | 0.099137509     | 0.995119145     | 1      | 52     |
| 4498      | GO:0014069  | 0.099900109     | 0.983700785     | 2      | 267    |
| 2313      | GO:0005637  | 0.101072949     | 0.994899242     | 1      | 53     |
| 7328      | GO:0032757  | 0.101287499     | 0.994896902     | 1      | 53     |
| 6702      | GO:0031397  | 0.102915961     | 0.99473867      | 1      | 56     |
| 17639     | GO:1990841  | 0.10275163      | 0.994746038     | 1      | 54     |
| 13618     | GO:0071345  | 0.109079561     | 0.994728896     | 1      | 54     |
| 3994      | GO:0009612  | 0.103066769     | 0.994713139     | 1      | 54     |
| 4167      | GO:0010468  | 0.103834933     | 0.982675753     | 2      | 273    |
| 9640      | GO:0043657  | 0.104717408     | 0.99453727      | 1      | 55     |
| 7770      | GO:0034097  | 0.104779208     | 0.994530694     | 1      | 55     |
| 9127      | GO:0042542  | 0.105171301     | 0.994488877     | 1      | 55     |
| 6296      | GO:0030374  | 0.105848170     | 0.994373867     | 1      | 56     |
| 11040     | GO:0048661  | 0.11006917      | 0.993946961     | 1      | 58     |
| 37        | GO:0000079  | 0.110536787     | 0.99389435      | 1      | 58     |
| 5130      | GO:0016529  | 0.111809438     | 0.993748178     | 1      | 59     |
| 13455     | GO:0070936  | 0.113075145     | 0.993527995     | 1      | 60     |
| 6802      | GO:0031625  | 0.115088739     | 0.979612395     | 2      | 290    |
| 327       | GO:0000987  | 0.120569596     | 0.99269673      | 1      | 64     |
| 2919      | GO:0006633  | 0.121011509     | 0.992641869     | 1      | 64     |
| 13620     | GO:0071347  | 0.122951827     | 0.992396671     | 1      | 65     |
| 11681     | GO:0051536  | 0.124709729     | 0.992170728     | 1      | 66     |
| 13661     | GO:0071407  | 0.126269443     | 0.991967165     | 1      | 67     |
| 13189     | GO:0070373  | 0.127787852     | 0.991676326     | 1      | 68     |
| 5499      | GO:0019003  | 0.131735225     | 0.991233112     | 1      | 70     |
| 4179      | GO:0010506  | 0.133074539     | 0.991047649     | 1      | 71     |
| 2282      | GO:0005575  | 0.13330119      | 0.974251568     | 2      | 317    |
| 3115      | GO:0006954  | 0.133401329     | 0.974220789     | 2      | 317    |
| 3380      | GO:0070584  | 0.13501461      | 0.990776169     | 1      | 72     |
| 2176      | GO:0005262  | 0.137820869     | 0.990374985     | 1      | 74     |
| 13584     | GO:0071277  | 0.139835715     | 0.990082162     | 1      | 75     |
| 1961      | GO:0004867  | 0.146072814     | 0.989144804     | 1      | 78     |
| 7327      | GO:0032755  | 0.147115735     | 0.988984288     | 1      | 79     |
| 2319      | GO:0005643  | 0.148458721     | 0.988775311     | 1      | 80     |
| 6350      | GO:0030522  | 0.148646091     | 0.98877497      | 1      | 80     |
| 15501     | GO:0120162  | 0.153867515     | 0.987912161     | 1      | 83     |
| 3064      | GO:0006874  | 0.155449904     | 0.987530325     | 1      | 84     |
| 6282      | GO:0030334  | 0.162023348     | 0.986545634     | 1      | 88     |
| 3363      | GO:007517   | 0.162226383     | 0.986510831     | 1      | 88     |
| GO ID   | Description       | FDR   | q-value   | p-value   | Benjamini-Hochberg   |
|---------|-------------------|-------|-----------|-----------|---------------------|
| GO:0005811 | 0.165864762 | 0.985875652 | 1 | 90 |
| GO:0010466 | 0.16832581 | 0.985437768 | 1 | 91 |
| GO:0030414 | 0.171700083 | 0.984755393 | 1 | 94 |
| GO:0032869 | 0.17356239 | 0.98447914 | 1 | 95 |
| GO:0004843 | 0.175356585 | 0.984143818 | 1 | 96 |
| GO:0005739 | 0.183920391 | 0.982486485 | 1 | 101 |
| GO:0005730 | 0.183938183 | 0.982486485 | 1 | 105 |
| GO:0005730 | 0.190414974 | 0.981176662 | 1 | 109 |
| GO:0005730 | 0.191338781 | 0.98098662 | 1 | 110 |
| GO:0005730 | 0.199180021 | 0.979540368 | 1 | 111 |
| GO:0005730 | 0.20794539 | 0.978971939 | 1 | 113 |
| GO:0005730 | 0.210237982 | 0.97873633 | 1 | 114 |
| GO:0005730 | 0.204791693 | 0.948634206 | 2 | 115 |
| GO:0005730 | 0.206667401 | 0.977664981 | 1 | 116 |
| GO:0005730 | 0.207905022 | 0.977383876 | 1 | 117 |
| GO:0005730 | 0.209441361 | 0.977032658 | 1 | 118 |
| GO:0005730 | 0.209560146 | 0.972544143 | 3 | 119 |
| GO:0005730 | 0.210970639 | 0.976681704 | 1 | 120 |
| GO:0005730 | 0.215009662 | 0.975736052 | 1 | 121 |
| GO:0005730 | 0.215329953 | 0.975662144 | 1 | 122 |
| GO:0005730 | 0.221781653 | 0.941511115 | 2 | 123 |
| GO:0005730 | 0.225174947 | 0.905572476 | 4 | 124 |
| GO:0005730 | 0.226206023 | 0.939593184 | 2 | 125 |
| GO:0005730 | 0.226214765 | 0.973007454 | 1 | 126 |
| GO:0005730 | 0.227085894 | 0.97278797 | 1 | 127 |
| GO:0005730 | 0.227366685 | 0.918283762 | 3 | 128 |
| GO:0005730 | 0.231576189 | 0.971644605 | 1 | 129 |
| GO:0005730 | 0.235279011 | 0.849535919 | 17 | 130 |
| GO:0005730 | 0.238328989 | 0.934198882 | 2 | 131 |
| GO:0005730 | 0.241295513 | 0.969081968 | 1 | 132 |
| GO:0005730 | 0.249696611 | 0.966767076 | 1 | 133 |
| GO:0005730 | 0.261103625 | 0.963477301 | 1 | 134 |
| GO:0005730 | 0.263316338 | 0.962818233 | 1 | 135 |
| GO:0005730 | 0.270164772 | 0.960740054 | 1 | 136 |
| GO:0005730 | 0.271782322 | 0.96023991 | 1 | 137 |
| GO:0005730 | 0.272152567 | 0.960125267 | 1 | 138 |
| GO:0005730 | 0.272381122 | 0.86484148 | 5 | 139 |
| GO:0005730 | 0.277503428 | 0.958441851 | 1 | 140 |
| GO:0005730 | 0.284876041 | 0.856313998 | 5 | 141 |
| GO:0002250   | 0.289416975 | 0.95455451 | 1  | 169 |
| ----------- |------------ |----------- |----|-----|
| GO:0005886  | 0.290386488 | 0.82119851 | 10 | 4063|
| GO:0003700  | 0.29070707  | 0.90474335 | 2  | 544 |
| GO:0005516  | 0.30082402  | 0.95064618 | 1  | 178 |
| GO:0005654  | 0.31317058  | 0.80755601 | 9  | 3676|
| GO:0005635  | 0.32419702  | 0.94206545 | 1  | 194 |
| GO:0007165  | 0.34695149 | 0.82570996 | 4  | 1480|
| GO:0000976  | 0.36083402 | 0.92699596 | 1  | 222 |
| GO:0005769  | 0.41893569 | 0.89867312 | 1  | 269 |
| GO:00005635 | 0.41893569 | 0.89867312 | 1  | 269 |
| GO:0006511  | 0.43920399 | 0.85096868 | 2  | 580 |
| GO:0005765  | 0.48430879 | 0.86653574 | 1  | 270 |
| GO:0006325  | 0.49271463 | 0.89168421 | 1  | 280 |
| GO:0008289  | 0.45072614 | 0.88095688 | 1  | 296 |
| GO:0005764  | 0.56321483 | 0.80237325 | 1  | 408 |
| GO:00030425 | 0.56910243 | 0.79752242 | 1  | 416 |
| GO:0003682 | 0.569207778 | 0.797435036 | 1 | 416 |
| GO:1990837 | 0.570985857 | 0.795955154 | 1 | 417 |
| GO:0000978 | 0.600107756 | 0.677185476 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO:0000978 | 0.607488031 | 0.669756236 | 2 | 997 |
| GO:0000981 | 0.607488031 | 0.669756236 | 2 | 1010 |
| GO:0006974 | 0.643819597 | 0.728593148 | 1 | 508 |
| GO ID | Description | Value 1 | Value 2 | Value 3 | Value 4 |
|-------|-------------|---------|---------|---------|---------|
| GO:0000026 | 1 | 0.993996842 | 0 | 3 |
| GO:0000027 | 1 | 0.956334129 | 0 | 22 |
| GO:0000028 | 1 | 0.971826049 | 0 | 14 |
| GO:0000030 | 1 | 0.962661854 | 0 | 19 |
| GO:0000032 | 1 | 0.997974765 | 0 | 1 |
| GO:0000033 | 1 | 0.993948811 | 0 | 3 |
| GO:0000035 | 1 | 0.979753503 | 0 | 1 |
| GO:0000036 | 1 | 0.962486671 | 0 | 19 |
| GO:0000045 | 1 | 0.889844268 | 0 | 58 |
| GO:0000048 | 1 | 0.991974363 | 0 | 4 |
| GO:0000049 | 1 | 0.864895184 | 0 | 72 |
| GO:0000050 | 1 | 0.981999271 | 0 | 9 |
| GO:0000052 | 1 | 0.993961898 | 0 | 3 |
| GO:0000053 | 1 | 0.99775673 | 0 | 1 |
| GO:0000054 | 1 | 0.98987675 | 0 | 5 |
| GO:0000055 | 1 | 0.985968045 | 0 | 7 |
| GO:0000056 | 1 | 0.985926673 | 0 | 7 |
| GO:0000062 | 1 | 0.966255566 | 0 | 17 |
| GO:0000070 | 1 | 0.939521224 | 0 | 31 |
| GO:0000076 | 1 | 0.98089177 | 0 | 10 |
| GO:0000077 | 1 | 0.934001007 | 0 | 34 |
| GO:0000082 | 1 | 0.866818043 | 0 | 71 |
| GO:0000083 | 1 | 0.945222801 | 0 | 28 |
| GO:0000086 | 1 | 0.758803609 | 0 | 137 |
| GO:0000095 | 1 | 0.997982324 | 0 | 1 |
| GO:0000096 | 1 | 0.98801999 | 0 | 6 |
| GO:0000098 | 1 | 0.987941148 | 0 | 6 |
| GO:0000103 | 1 | 0.995997377 | 0 | 2 |
| GO:0000104 | 1 | 0.995978998 | 0 | 2 |
| GO:0000105 | 1 | 0.995989682 | 0 | 2 |
| GO:0000109 | 1 | 0.988063437 | 0 | 6 |
| GO:0000110 | 1 | 0.99399571 | 0 | 3 |
| GO:0000111 | 1 | 0.998003243 | 0 | 1 |
| GO:0000112 | 1 | 0.99790665 | 0 | 1 |
| GO:0000117 | 1 | 0.99801343 | 0 | 1 |
| GO:0000118 | 1 | 0.915665624 | 0 | 44 |
| GO:0000120 | 1 | 0.995969731 | 0 | 2 |
| GO:0000121 | 1 | 0.9979964 | 0 | 1 |
| GO:0000123 | 1 | 0.947259137 | 0 | 27 |
| GO:0000124 | 1 | 0.976086862 | 0 | 12 |
| GO:0000125 | 1 | 0.98794345 | 0 | 6 |
| GO:0000126 | 1 | 0.994006702 | 0 | 3 |
| GO:0000127 | 1 | 0.98802336 | 0 | 6 |
| GO:0000132 | 1 | 0.943418699 | 0 | 29 |
| GO:0000137 | 1 | 0.952967507 | 0 | 24 |
| GO:0000138 | 1 | 0.980061325 | 0 | 10 |
| GO:0000145 | 1 | 0.960681849 | 0 | 20 |
| GO:0000146 | 1 | 0.959040981 | 0 | 21 |
| GO:0000149 | 1 | 0.884624741 | 0 | 61 |
| GO:0000150 | 1 | 0.995969624 | 0 | 2 |
| GO:0000151 | 1 | 0.95987061 | 0 | 2 |
| GO:0000153 | 1 | 0.995965121 | 0 | 1 |
| GO:0000154 | 1 | 0.986012942 | 0 | 7 |
| GO:0000159 | 1 | 0.80138334 | 0 | 110 |
| GO:0000160 | 1 | 0.995987061 | 0 | 2 |
| GO:0000165 | 1 | 0.563001016 | 0 | 284 |
| GO:0000170 | 1 | 0.99768061 | 0 | 1 |
| GO:0000171 | 1 | 0.995953816 | 0 | 2 |
| GO:0000172 | 1 | 0.983960143 | 0 | 8 |
| GO:0000175 | 1 | 0.937587796 | 0 | 32 |
| GO:0000176 | 1 | 0.968062038 | 0 | 16 |
| GO:0000177 | 1 | 0.9760249 | 0 | 12 |
| GO:0000178 | 1 | 0.96424709 | 0 | 18 |
| GO:0000179 | 1 | 0.991945801 | 0 | 4 |
| GO:0000182 | 1 | 0.990054503 | 0 | 5 |
| GO:0000183 | 1 | 0.930124521 | 0 | 36 |
| GO:0000185 | 1 | 0.976146481 | 0 | 12 |
| GO:0000186 | 1 | 0.908271865 | 0 | 48 |
| GO:0000187 | 1 | 0.788294072 | 0 | 118 |
| GO:0000188 | 1 | 0.952812379 | 0 | 24 |
| GO:0000210 | 1 | 0.993987201 | 0 | 3 |
| GO:0000212 | 1 | 0.988034948 | 0 | 6 |
| GO:0000213 | 1 | 0.995967687 | 0 | 2 |
| GO:0000214 | 1 | 0.991939641 | 0 | 4 |
| GO:0000217 | 1 | 0.995954978 | 0 | 2 |
| GO:0000218 | 1 | 0.995997162 | 0 | 2 |
| GO:0000220 | 1 | 0.992029667 | 0 | 4 |
| GO:0000221 | 1 | 0.994002519 | 0 | 3 |
| GO:0000222 | 1 | 0.997987219 | 0 | 1 |
| GO:0000225 | 1 | 0.997963285 | 0 | 1 |
| GO:0000226 | 1 | 0.760589093 | 0 | 136 |
| GO:0000228 | 1 | 0.902504274 | 0 | 51 |
| GO:0000235 | 1 | 0.99204374 | 0 | 4 |
| GO:0000242 | 1 | 0.956851149 | 0 | 22 |
| GO:0000243 | 1 | 0.989932147 | 0 | 5 |
| GO:0000244 | 1 | 0.974217422 | 0 | 13 |
| GO:0000245 | 1 | 0.948837853 | 0 | 26 |
| GO:0000246 | 1 | 0.998009932 | 0 | 1  |
| GO:0000247 | 1 | 0.997963324 | 0 | 1  |
| GO:0000248 | 1 | 0.996005222 | 0 | 2  |
| GO:0000250 | 1 | 0.998009713 | 0 | 1  |
| GO:0000252 | 1 | 0.997971684 | 0 | 1  |
| GO:0000253 | 1 | 0.991894228 | 0 | 4  |
| GO:0000268 | 1 | 0.99199769  | 0 | 4  |
| GO:0000271 | 1 | 0.998013437 | 0 | 1  |
| GO:0000272 | 1 | 0.997983681 | 0 | 1  |
| GO:0000274 | 1 | 0.995985075 | 0 | 2  |
| GO:0000275 | 1 | 0.993983524 | 0 | 3  |
| GO:0000276 | 1 | 0.978112005 | 0 | 11 |
| GO:0000278 | 1 | 0.743474487 | 0 | 147|
| GO:0000281 | 1 | 0.906356535 | 0 | 49 |
| GO:0000285 | 1 | 0.998013437 | 0 | 1  |
| GO:0000288 | 1 | 0.976262441 | 0 | 12 |
| GO:0000289 | 1 | 0.95684096  | 0 | 22 |
| GO:0000290 | 1 | 0.982037588 | 0 | 9  |
| GO:0000291 | 1 | 0.995962945 | 0 | 2  |
| GO:0000293 | 1 | 0.994003684 | 0 | 3  |
| GO:0000294 | 1 | 0.996007208 | 0 | 2  |
| GO:0000295 | 1 | 0.997967026 | 0 | 1  |
| GO:0000296 | 1 | 0.997983315 | 0 | 1  |
| GO:0000298 | 1 | 0.98997282  | 0 | 5  |
| GO:0000301 | 1 | 0.99590219  | 0 | 2  |
| GO:0000302 | 1 | 0.962326684 | 0 | 19 |
| GO:0000303 | 1 | 0.989930131 | 0 | 5  |
| GO:0000304 | 1 | 0.997979874 | 0 | 1  |
| GO:0000305 | 1 | 0.99797822  | 0 | 1  |
| GO:0000306 | 1 | 0.997996022 | 0 | 1  |
| GO:0000307 | 1 | 0.941320552 | 0 | 30 |
| GO:0000308 | 1 | 0.996023736 | 0 | 2  |
| GO:0000309 | 1 | 0.99400654  | 0 | 3  |
| GO:0000320 | 1 | 0.99800762  | 0 | 1  |
| GO:0000334 | 1 | 0.997965887 | 0 | 1  |
| GO:0000338 | 1 | 0.979971347 | 0 | 10 |
| GO:0000340 | 1 | 0.97614886  | 0 | 12 |
| GO:0000346 | 1 | 0.978178023 | 0 | 11 |
| GO:0000347 | 1 | 0.974112056 | 0 | 13 |
| GO:0000349 | 1 | 0.989949377 | 0 | 5  |
| GO:0000349 | 1 | 0.993975932 | 0 | 3  |
|   |   |   |   |   |
|---|---|---|---|---|
| 158 GO:0000350 | 1 | 0.993950744 | 0 | 3 |
| 159 GO:0000354 | 1 | 0.996015877 | 0 | 2 |
| 160 GO:0000375 | 1 | 0.950883926 | 0 | 25 |
| 161 GO:0000379 | 1 | 0.993953375 | 0 | 3 |
| 162 GO:0000380 | 1 | 0.960583007 | 0 | 20 |
| 163 GO:0000381 | 1 | 0.893611457 | 0 | 56 |
| 164 GO:0000386 | 1 | 0.99800261 | 0 | 1 |
| 165 GO:0000387 | 1 | 0.944902269 | 0 | 28 |
| 166 GO:0000388 | 1 | 0.998013437 | 0 | 1 |
| 167 GO:0000389 | 1 | 0.988007894 | 0 | 6 |
| 168 GO:0000390 | 1 | 0.996006125 | 0 | 2 |
| 169 GO:0000395 | 1 | 0.987987496 | 0 | 6 |
| 170 GO:0000398 | 1 | 0.601238827 | 0 | 251 |
| 171 GO:0000400 | 1 | 0.966475309 | 0 | 17 |
| 172 GO:0000403 | 1 | 0.990066092 | 0 | 5 |
| 173 GO:0000404 | 1 | 0.99803243 | 0 | 1 |
| 174 GO:0000405 | 1 | 0.984150149 | 0 | 8 |
| 175 GO:0000406 | 1 | 0.95998824 | 0 | 2 |
| 176 GO:0000407 | 1 | 0.95435027 | 0 | 23 |
| 177 GO:0000408 | 1 | 0.987935496 | 0 | 6 |
| 178 GO:0000413 | 1 | 0.922208107 | 0 | 40 |
| 179 GO:0000414 | 1 | 0.998013437 | 0 | 1 |
| 180 GO:0000415 | 1 | 0.998013437 | 0 | 1 |
| 181 GO:0000416 | 1 | 0.998004597 | 0 | 1 |
| 182 GO:0000417 | 1 | 0.998007874 | 0 | 1 |
| 183 GO:0000421 | 1 | 0.926287871 | 0 | 38 |
| 184 GO:0000422 | 1 | 0.93186798 | 0 | 35 |
| 185 GO:0000423 | 1 | 0.982028641 | 0 | 9 |
| 186 GO:0000425 | 1 | 0.986075973 | 0 | 7 |
| 187 GO:0000430 | 1 | 0.995950914 | 0 | 2 |
| 188 GO:0000432 | 1 | 0.99394418 | 0 | 3 |
| 189 GO:0000435 | 1 | 0.998013437 | 0 | 1 |
| 190 GO:0000438 | 1 | 0.993933955 | 0 | 3 |
| 191 GO:0000439 | 1 | 0.978011624 | 0 | 11 |
| 192 GO:0000444 | 1 | 0.991968365 | 0 | 4 |
| 193 GO:0000445 | 1 | 0.987944944 | 0 | 6 |
| 194 GO:0000447 | 1 | 0.981983563 | 0 | 9 |
| 195 GO:0000448 | 1 | 0.99602154 | 0 | 2 |
| 196 GO:0000451 | 1 | 0.993968785 | 0 | 3 |
| 197 GO:0000453 | 1 | 0.998002666 | 0 | 1 |
| 198 GO:0000454 | 1 | 0.993900664 | 0 | 3 |
| 199 GO:0000455 | 1 | 0.987943754 | 0 | 6 |
| 200 GO:0000460 | 1 | 0.974105085 | 0 | 13 |
| 201 GO:0000461 | 1 | 0.997947973 | 0 | 1 |
| 202 GO:0000462 | 1 | 0.948896291 | 0 | 26 |
| GO:0000463 | 1 | 0.972113308 | 0 | 14 |
| GO:0000466 | 1 | 0.990006502 | 0 | 5 |
| GO:0000467 | 1 | 0.981955139 | 0 | 9 |
| GO:0000469 | 1 | 0.993932661 | 0 | 3 |
| GO:0000470 | 1 | 0.972054479 | 0 | 14 |
| GO:0000472 | 1 | 0.990007609 | 0 | 5 |
| GO:0000479 | 1 | 0.994019176 | 0 | 3 |
| GO:0000480 | 1 | 0.986036264 | 0 | 7 |
| GO:0000481 | 1 | 0.998003205 | 0 | 3 |
| GO:0000492 | 1 | 0.981947125 | 0 | 9 |
| GO:0000493 | 1 | 0.995970795 | 0 | 2 |
| GO:0000494 | 1 | 0.993919329 | 0 | 3 |
| GO:0000495 | 1 | 0.995986970 | 0 | 2 |
| GO:0000502 | 1 | 0.885387477 | 0 | 60 |
| GO:0000506 | 1 | 0.985932882 | 0 | 7 |
| GO:0000578 | 1 | 0.997998115 | 0 | 1 |
| GO:0000700 | 1 | 0.995946814 | 0 | 2 |
| GO:0000701 | 1 | 0.995936787 | 0 | 2 |
| GO:0000706 | 1 | 0.997990564 | 0 | 1 |
| GO:0000707 | 1 | 0.997959006 | 0 | 1 |
| GO:0000710 | 1 | 0.990046202 | 0 | 5 |
| GO:0000711 | 1 | 0.995968958 | 0 | 2 |
| GO:0000712 | 1 | 0.964490918 | 0 | 18 |
| GO:0000715 | 1 | 0.954606089 | 0 | 23 |
| GO:0000717 | 1 | 0.956607737 | 0 | 22 |
| GO:0000718 | 1 | 0.997973945 | 0 | 1 |
| GO:0000720 | 1 | 0.991997935 | 0 | 4 |
| GO:0000721 | 1 | 0.997987078 | 0 | 1 |
| GO:0000722 | 1 | 0.978122721 | 0 | 11 |
| GO:0000723 | 1 | 0.9061832 | 0 | 49 |
| GO:0000724 | 1 | 0.844551808 | 0 | 84 |
| GO:0000725 | 1 | 0.993983524 | 0 | 3 |
| GO:0000726 | 1 | 0.997984441 | 0 | 1 |
| GO:0000727 | 1 | 0.976162437 | 0 | 12 |
| GO:0000729 | 1 | 0.970384803 | 0 | 15 |
| GO:0000730 | 1 | 0.993966970 | 0 | 3 |
| GO:0000731 | 1 | 0.976200522 | 0 | 12 |
| GO:0000732 | 1 | 0.998011553 | 0 | 1 |
| GO:0000733 | 1 | 0.984120424 | 0 | 8 |
| GO:0000735 | 1 | 0.998011808 | 0 | 1 |
| GO:0000737 | 1 | 0.981987022 | 0 | 9 |
| GO:0000738 | 1 | 0.983966327 | 0 | 8 |
| GO:0000768 | 1 | 0.996004302 | 0 | 2 |
| GO:0000773 | 1 | 0.997960141 | 0 | 1 |
|   | GO:      | Count | Corrected Count | p-value | False Discovery Rate |
|---|----------|-------|-----------------|---------|----------------------|
| 248 | GO:0000774 | 1 | 0.978076554 | 0 | 11 |
| 249 | GO:0000775 | 1 | 0.738921424 | 0 | 150 |
| 250 | GO:0000776 | 1 | 0.772524659 | 0 | 128 |
| 251 | GO:0000777 | 1 | 0.817379445 | 0 | 100 |
| 252 | GO:0000778 | 1 | 0.978076205 | 0 | 11 |
| 253 | GO:0000779 | 1 | 0.966409667 | 0 | 17 |
| 255 | GO:0000783 | 1 | 0.982064336 | 0 | 9 |
| 257 | GO:0000786 | 1 | 0.835864703 | 0 | 89 |
| 258 | GO:0000791 | 1 | 0.933951714 | 0 | 34 |
| 259 | GO:0000792 | 1 | 0.911854403 | 0 | 46 |
| 260 | GO:0000793 | 1 | 0.943524717 | 0 | 29 |
| 261 | GO:0000794 | 1 | 0.924678335 | 0 | 39 |
| 262 | GO:0000795 | 1 | 0.947000849 | 0 | 27 |
| 263 | GO:0000796 | 1 | 0.98416539 | 0 | 8 |
| 264 | GO:0000800 | 1 | 0.97430128 | 0 | 13 |
| 265 | GO:0000801 | 1 | 0.985993163 | 0 | 7 |
| 266 | GO:0000802 | 1 | 0.996015313 | 0 | 2 |
| 267 | GO:0000803 | 1 | 0.996030529 | 0 | 2 |
| 268 | GO:0000805 | 1 | 0.994051559 | 0 | 3 |
| 269 | GO:0000806 | 1 | 0.998013125 | 0 | 1 |
| 270 | GO:0000808 | 1 | 0.988002428 | 0 | 6 |
| 271 | GO:0000810 | 1 | 0.993983524 | 0 | 3 |
| 272 | GO:0000811 | 1 | 0.991975182 | 0 | 4 |
| 273 | GO:0000812 | 1 | 0.976107724 | 0 | 12 |
| 274 | GO:0000813 | 1 | 0.980034711 | 0 | 10 |
| 275 | GO:0000814 | 1 | 0.993949504 | 0 | 3 |
| 276 | GO:0000815 | 1 | 0.979987122 | 0 | 10 |
| 277 | GO:0000818 | 1 | 0.991945627 | 0 | 4 |
| 278 | GO:0000819 | 1 | 0.994050473 | 0 | 3 |
| 279 | GO:0000820 | 1 | 0.997963596 | 0 | 1 |
| 280 | GO:0000821 | 1 | 0.99798298 | 0 | 1 |
| 281 | GO:0000822 | 1 | 0.994029931 | 0 | 3 |
| 282 | GO:0000823 | 1 | 0.997975112 | 0 | 1 |
| 283 | GO:0000825 | 1 | 0.995977306 | 0 | 2 |
| 284 | GO:0000827 | 1 | 0.992050608 | 0 | 4 |
| 285 | GO:0000828 | 1 | 0.984091654 | 0 | 8 |
| 286 | GO:0000829 | 1 | 0.996030582 | 0 | 2 |
| 287 | GO:0000831 | 1 | 0.997990665 | 0 | 1 |
| 288 | GO:0000832 | 1 | 0.990033157 | 0 | 5 |
| 289 | GO:0000835 | 1 | 0.997990564 | 0 | 1 |
| 290 | GO:0000836 | 1 | 0.992034957 | 0 | 4 |
| 291 | GO:0000839 | 1 | 0.985994002 | 0 | 7 |
| 292 | GO:0000900 | 1 | 0.970378804 | 0 | 15 |
| 293 | GO:0000902 | 1 | 0.855010348 | 0 | 78 |
| 294 | GO:0000904 | 1 | 0.98616218 | 0 | 7 |
| GO Code | Gene Ontology | Count | Similarity | Count | Match Count |
|---------|---------------|-------|------------|-------|-------------|
| GO:0000915 | 1 | 0.992030325 | 0 | 4 |
| GO:0000916 | 1 | 0.997981567 | 0 | 1 |
| GO:0000917 | 1 | 0.99796058 | 0 | 1 |
| GO:0000921 | 1 | 0.99055908 | 0 | 5 |
| GO:0000930 | 1 | 0.970359271 | 0 | 15 |
| GO:0000932 | 1 | 0.830826707 | 0 | 92 |
| GO:0000938 | 1 | 0.99562316 | 0 | 2 |
| GO:0000940 | 1 | 0.982104096 | 0 | 9 |
| GO:0000941 | 1 | 0.995960837 | 0 | 2 |
| GO:0000942 | 1 | 0.991968862 | 0 | 4 |
| GO:0000956 | 1 | 0.962452521 | 0 | 3 |
| GO:0000957 | 1 | 0.998011657 | 0 | 1 |
| GO:0000958 | 1 | 0.994017197 | 0 | 3 |
| GO:0000959 | 1 | 0.997994558 | 0 | 1 |
| GO:0000961 | 1 | 0.996007903 | 0 | 2 |
| GO:0000962 | 1 | 0.994023145 | 0 | 3 |
| GO:0000963 | 1 | 0.997992183 | 0 | 1 |
| GO:0000964 | 1 | 0.996006126 | 0 | 2 |
| GO:0000965 | 1 | 0.996001945 | 0 | 2 |
| GO:0000966 | 1 | 0.998005842 | 0 | 1 |
| GO:0000972 | 1 | 0.992000495 | 0 | 4 |
| GO:0000971 | 1 | 0.99790564 | 0 | 1 |
| GO:0000973 | 1 | 0.995974262 | 0 | 2 |
| GO:0000977 | 1 | 0.976065554 | 0 | 12 |
| GO:0000993 | 1 | 0.541986753 | 0 | 303 |
| GO:0000994 | 1 | 0.941496541 | 0 | 30 |
| GO:0000995 | 1 | 0.997974835 | 0 | 1 |
| GO:0001002 | 1 | 0.987990647 | 0 | 6 |
| GO:0001003 | 1 | 0.994013422 | 0 | 3 |
| GO:0001006 | 1 | 0.994013422 | 0 | 3 |
| GO:0001010 | 1 | 0.98837798 | 0 | 6 |
| GO:0001018 | 1 | 0.997993311 | 0 | 1 |
| GO:0001016 | 1 | 0.997955277 | 0 | 1 |
| GO:0001046 | 1 | 0.99391235 | 0 | 3 |
| GO:0001055 | 1 | 0.99404219 | 0 | 3 |
| GO:0001056 | 1 | 0.966366223 | 0 | 17 |
| GO:0001054 | 1 | 0.99598177 | 0 | 2 |
| GO:0001055 | 1 | 0.991935817 | 0 | 4 |
| GO:0001056 | 1 | 0.99796438 | 0 | 1 |
| GO:0001067 | 1 | 0.996024402 | 0 | 2 |
| GO:0001069 | 1 | 0.996028876 | 0 | 2 |
| GO:0001085 | 1 | 0.91545101 | 0 | 44 |
| GO:0001091 | 1 | 0.993942709 | 0 | 3 |
| GO:0001093 | 1 | 0.992032549 | 0 | 4 |
| GO:0001094 | 1 | 0.980043034 | 0 | 10 |
| GO:0001096 | 1 | 0.995995446 | 0 | 2 |
| GO:0001097 | 1 | 0.996000667 | 0 | 2 |
| GO:0001099 | 1 | 0.997964467 | 0 | 1 |
| GO:0001100 | 1 | 0.997990564 | 0 | 1 |
| GO:0001103 | 1 | 0.933935125 | 0 | 34 |
| GO:0001112 | 1 | 0.998010172 | 0 | 1 |
| GO:0001113 | 1 | 0.997994865 | 0 | 1 |
| GO:0001147 | 1 | 0.996018459 | 0 | 2 |
| GO:0001156 | 1 | 0.994051875 | 0 | 3 |
| GO:0001161 | 1 | 0.996019259 | 0 | 2 |
| GO:0001162 | 1 | 0.985957225 | 0 | 7 |
| GO:0001164 | 1 | 0.984080408 | 0 | 8 |
| GO:0001165 | 1 | 0.998011586 | 0 | 1 |
| GO:0001172 | 1 | 0.99800762 | 0 | 1 |
| GO:0001174 | 1 | 0.99797251 | 0 | 1 |
| GO:0001179 | 1 | 0.997976263 | 0 | 1 |
| GO:0001181 | 1 | 0.992058779 | 0 | 4 |
| GO:0001188 | 1 | 0.982088162 | 0 | 9 |
| GO:0001193 | 1 | 0.997957723 | 0 | 1 |
| GO:0001207 | 1 | 0.99799824 | 0 | 1 |
| GO:0001216 | 1 | 0.97815085 | 0 | 11 |
| GO:0001217 | 1 | 0.984087766 | 0 | 8 |
| GO:0001221 | 1 | 0.978164645 | 0 | 11 |
| GO:0001222 | 1 | 0.976235592 | 0 | 12 |
| GO:0001223 | 1 | 0.960720618 | 0 | 20 |
| GO:0001225 | 1 | 0.988091366 | 0 | 6 |
| GO:0001226 | 1 | 0.964528928 | 0 | 18 |
| GO:0001227 | 1 | 0.580775328 | 0 | 269 |
| GO:0001228 | 1 | 0.471112939 | 0 | 372 |
| GO:0001306 | 1 | 0.998013437 | 0 | 1 |
| GO:0001501 | 1 | 0.974092143 | 0 | 13 |
| GO:0001502 | 1 | 0.98967777 | 0 | 5 |
| GO:0001503 | 1 | 0.9960301 | 0 | 2 |
| GO:0001505 | 1 | 0.785649721 | 0 | 120 |
| GO:0001507 | 1 | 0.827431098 | 0 | 94 |
| GO:0001509 | 1 | 0.982084363 | 0 | 9 |
| GO:0001510 | 1 | 0.993986864 | 0 | 3 |
| GO:0001512 | 1 | 0.997963052 | 0 | 1 |
|   | GO:0001514     | 1 | 0.984075161 | 0 | 8 |
|---|----------------|---|-------------|---|---|
|   | GO:0001515     | 1 | 0.99797822  | 0 | 1 |
|   | GO:0001516     | 1 | 0.9662882   | 0 | 17|
|   | GO:0001517     | 1 | 0.986056615 | 0 | 7 |
|   | GO:0001518     | 1 | 0.972486674 | 0 | 14|
|   | GO:0001519     | 1 | 0.995985142 | 0 | 2 |
|   | GO:0001520     | 1 | 0.987968344 | 0 | 6 |
|   | GO:0001522     | 1 | 0.968153855 | 0 | 16|
|   | GO:0001523     | 1 | 0.911460295 | 0 | 46|
|   | GO:0001525     | 1 | 0.616344437 | 0 | 240|
|   | GO:0001527     | 1 | 0.978179276 | 0 | 11|
|   | GO:0001530     | 1 | 0.952739783 | 0 | 24|
|   | GO:0001532     | 1 | 0.997998394 | 0 | 1 |
|   | GO:0001533     | 1 | 0.916928873 | 0 | 43|
|   | GO:0001534     | 1 | 0.991950242 | 0 | 4 |
|   | GO:0001536     | 1 | 0.993983524 | 0 | 3 |
|   | GO:0001537     | 1 | 0.991975587 | 0 | 4 |
|   | GO:0001540     | 1 | 0.861606169 | 0 | 74|
|   | GO:0001541     | 1 | 0.931966186 | 0 | 35|
|   | GO:0001542     | 1 | 0.990084007 | 0 | 5 |
|   | GO:0001543     | 1 | 0.998013437 | 0 | 1 |
|   | GO:0001544     | 1 | 0.995998858 | 0 | 2 |
|   | GO:0001545     | 1 | 0.99800808  | 0 | 1 |
|   | GO:0001546     | 1 | 0.995955505 | 0 | 2 |
|   | GO:0001547     | 1 | 0.994020064 | 0 | 3 |
|   | GO:0001550     | 1 | 0.996029045 | 0 | 2 |
|   | GO:0001552     | 1 | 0.997977617 | 0 | 1 |
|   | GO:0001553     | 1 | 0.988119513 | 0 | 6 |
|   | GO:0001554     | 1 | 0.994014763 | 0 | 3 |
|   | GO:0001555     | 1 | 0.995973419 | 0 | 2 |
|   | GO:0001556     | 1 | 0.962521595 | 0 | 19|
|   | GO:0001558     | 1 | 0.86700531  | 0 | 71|
|   | GO:0001560     | 1 | 0.996025353 | 0 | 2 |
|   | GO:0001561     | 1 | 0.984005639 | 0 | 8 |
|   | GO:0001562     | 1 | 0.997988262 | 0 | 1 |
|   | GO:0001567     | 1 | 0.997967479 | 0 | 1 |
|   | GO:0001568     | 1 | 0.904629868 | 0 | 50|
|   | GO:0001569     | 1 | 0.949184926 | 0 | 26|
|   | GO:0001570     | 1 | 0.900942095 | 0 | 52|
|   | GO:0001572     | 1 | 0.998012436 | 0 | 1 |
|   | GO:0001573     | 1 | 0.992035544 | 0 | 4 |
|   | GO:0001574     | 1 | 0.98198881  | 0 | 9 |
|   | GO:0001576     | 1 | 0.99798071  | 0 | 1 |
|   | GO:0001578     | 1 | 0.93970775  | 0 | 31|
|   | GO:0001579     | 1 | 0.996000009 | 0 | 2 |
| ID   | GO:0001580 | 1 | 0.948407773 | 0 | 26 |
|------|------------|---|-------------|---|----|
| ID   | GO:0001581 | 1 | 0.998013216 | 0 | 1  |
| ID   | GO:0001582 | 1 | 0.997987546 | 0 | 1  |
| ID   | GO:0001587 | 1 | 0.99798234  | 0 | 1  |
| ID   | GO:0001588 | 1 | 0.997984599 | 0 | 1  |
| ID   | GO:0001591 | 1 | 0.995960298 | 0 | 2  |
| ID   | GO:0001595 | 1 | 0.997962798 | 0 | 1  |
| ID   | GO:0001602 | 1 | 0.99798234  | 0 | 1  |
| ID   | GO:0001607 | 1 | 0.997998452 | 0 | 1  |
| ID   | GO:0001609 | 1 | 0.991960993 | 0 | 4  |
| ID   | GO:0001614 | 1 | 0.989952917 | 0 | 5  |
| ID   | GO:0001618 | 1 | 0.87223378  | 0 | 68 |
| ID   | GO:0001621 | 1 | 0.995974394 | 0 | 2  |
| ID   | GO:0001626 | 1 | 0.997998555 | 0 | 1  |
| ID   | GO:0001631 | 1 | 0.997970063 | 0 | 1  |
| ID   | GO:0001632 | 1 | 0.995975613 | 0 | 2  |
| ID   | GO:0001635 | 1 | 0.991987892 | 0 | 4  |
| ID   | GO:0001640 | 1 | 0.98810283  | 0 | 6  |
| ID   | GO:0001641 | 1 | 0.997988821 | 0 | 1  |
| ID   | GO:0001642 | 1 | 0.998009271 | 0 | 1  |
| ID   | GO:0001649 | 1 | 0.816182036 | 0 | 101 |
| ID   | GO:0001651 | 1 | 0.99595814  | 0 | 2  |
| ID   | GO:0001652 | 1 | 0.985943639 | 0 | 7  |
| ID   | GO:0001653 | 1 | 0.992038345 | 0 | 4  |
| ID   | GO:0001654 | 1 | 0.926588035 | 0 | 38 |
| ID   | GO:0001655 | 1 | 0.970283158 | 0 | 15 |
| ID   | GO:0001656 | 1 | 0.945205084 | 0 | 28 |
| ID   | GO:0001657 | 1 | 0.930247083 | 0 | 36 |
| ID   | GO:0001658 | 1 | 0.93406474  | 0 | 34 |
| ID   | GO:0001659 | 1 | 0.970287536 | 0 | 15 |
| ID   | GO:0001660 | 1 | 0.993983759 | 0 | 3  |
| ID   | GO:0001661 | 1 | 0.997981146 | 0 | 1  |
| ID   | GO:0001662 | 1 | 0.960684189 | 0 | 20 |
| ID   | GO:0001664 | 1 | 0.898503596 | 0 | 53 |
| ID   | GO:0001665 | 1 | 0.987945917 | 0 | 6  |
| ID   | GO:0001666 | 1 | 0.718325059 | 0 | 164 |
| ID   | GO:0001667 | 1 | 0.986093992 | 0 | 7  |
| ID   | GO:0001669 | 1 | 0.845659339 | 0 | 83 |
| ID   | GO:0001671 | 1 | 0.952652756 | 0 | 24 |
| ID   | GO:0001672 | 1 | 0.996030516 | 0 | 2  |
| ID   | GO:0001673 | 1 | 0.976210234 | 0 | 12 |
| ID   | GO:0001674 | 1 | 0.998013289 | 0 | 1  |
| ID   | GO:0001675 | 1 | 0.972213589 | 0 | 14 |
| ID   | GO:0001676 | 1 | 0.954781402 | 0 | 23 |
| GO           | Count | Score       | Count |
|--------------|-------|-------------|-------|
| GO:0001678   | 1     | 0.956954489 | 0     | 22  |
| GO:0001680   | 1     | 0.997983092 | 0     | 1   |
| GO:0001681   | 1     | 0.9799195   | 0     | 1   |
| GO:0001682   | 1     | 0.974037875 | 0     | 13  |
| GO:0001691   | 1     | 0.997983092 | 0     | 1   |
| GO:0001692   | 1     | 0.991966971 | 0     | 4   |
| GO:0001694   | 1     | 0.99798523  | 0     | 1   |
| GO:0001695   | 1     | 0.997958366 | 0     | 1   |
| GO:0001696   | 1     | 0.985984516 | 0     | 7   |
| GO:0001701   | 1     | 0.653700783 | 0     | 211 |
| GO:0001702   | 1     | 0.974309865 | 0     | 13  |
| GO:0001704   | 1     | 0.996030571 | 0     | 2   |
| GO:0001705   | 1     | 0.997983092 | 0     | 1   |
| GO:0001706   | 1     | 0.980035817 | 0     | 10  |
| GO:0001707   | 1     | 0.9395235   | 0     | 13  |
| GO:0001708   | 1     | 0.95295447  | 0     | 24  |
| GO:0001709   | 1     | 0.972431447 | 0     | 14  |
| GO:0001710   | 1     | 0.997993836 | 0     | 1   |
| GO:0001711   | 1     | 0.988057733 | 0     | 6   |
| GO:0001712   | 1     | 0.998003949 | 0     | 1   |
| GO:0001714   | 1     | 0.993946746 | 0     | 3   |
| GO:0001716   | 1     | 0.997979521 | 0     | 1   |
| GO:0001725   | 1     | 0.872288406 | 0     | 68  |
| GO:0001726   | 1     | 0.821406974 | 0     | 98  |
| GO:0001727   | 1     | 0.9860698   | 0     | 7   |
| GO:0001729   | 1     | 0.996008213 | 0     | 2   |
| GO:0001731   | 1     | 0.978203221 | 0     | 11  |
| GO:0001732   | 1     | 0.96817419  | 0     | 16  |
| GO:0001733   | 1     | 0.995960114 | 0     | 2   |
| GO:0001734   | 1     | 0.995972471 | 0     | 2   |
| GO:0001735   | 1     | 0.996004691 | 0     | 2   |
| GO:0001736   | 1     | 0.968469882 | 0     | 16  |
| GO:0001738   | 1     | 0.986094767 | 0     | 7   |
| GO:0001739   | 1     | 0.991979142 | 0     | 4   |
| GO:0001740   | 1     | 0.992008642 | 0     | 4   |
| GO:0001741   | 1     | 0.974203923 | 0     | 13  |
| GO:0001750   | 1     | 0.882834364 | 0     | 62  |
| GO:0001754   | 1     | 0.992048426 | 0     | 4   |
| GO:0001755   | 1     | 0.917459716 | 0     | 43  |
| GO:0001756   | 1     | 0.921016341 | 0     | 41  |
| GO:0001757   | 1     | 0.992001668 | 0     | 4   |
| GO:0001758   | 1     | 0.983946394 | 0     | 8   |
| GO:0001759   | 1     | 0.984007567 | 0     | 8   |
| GO:0001763   | 1     | 0.984088617 | 0     | 8   |
| GO:0001764   | 1     | 0.828079756 | 0     | 94  |
| Gene ID | Description | Count | Coverage | Entrez Gene | ID |
|--------|-------------|-------|----------|-------------|----|
| 529    | GO:0001765  | 1     | 0.987965305 | 0 | 6 |
| 530    | GO:0001766  | 1     | 0.995975826 | 0 | 2 |
| 531    | GO:0001768  | 1     | 0.986054235 | 0 | 7 |
| 532    | GO:0001770  | 1     | 0.998013437 | 0 | 1 |
| 533    | GO:0001771  | 1     | 0.982105766 | 0 | 9 |
| 534    | GO:0001772  | 1     | 0.92080521  | 0 | 41 |
| 535    | GO:0001773  | 1     | 0.99562797  | 0 | 2 |
| 536    | GO:0001774  | 1     | 0.95672537  | 0 | 22 |
| 537    | GO:0001775  | 1     | 0.978107571 | 0 | 11 |
| 538    | GO:0001776  | 1     | 0.987994863 | 0 | 6 |
| 539    | GO:0001777  | 1     | 0.997956473 | 0 | 1 |
| 540    | GO:0001778  | 1     | 0.976261054 | 0 | 12 |
| 541    | GO:0001779  | 1     | 0.972412877 | 0 | 14 |
| 542    | GO:0001780  | 1     | 0.986062605 | 0 | 7 |
| 543    | GO:0001781  | 1     | 0.995958411 | 0 | 2 |
| 544    | GO:0001782  | 1     | 0.958746469 | 0 | 21 |
| 545    | GO:0001783  | 1     | 0.984057404 | 0 | 8 |
| 546    | GO:0001784  | 1     | 0.921035056 | 0 | 41 |
| 547    | GO:0001786  | 1     | 0.8989923   | 0 | 53 |
| 548    | GO:0001787  | 1     | 0.998008808 | 0 | 1 |
| 549    | GO:0001791  | 1     | 0.995976719 | 0 | 2 |
| 550    | GO:0001792  | 1     | 0.998009857 | 0 | 1 |
| 551    | GO:0001798  | 1     | 0.998013114 | 0 | 1 |
| 552    | GO:0001805  | 1     | 0.997988572 | 0 | 1 |
| 553    | GO:0001806  | 1     | 0.996007394 | 0 | 2 |
| 554    | GO:0001808  | 1     | 0.997979299 | 0 | 1 |
| 555    | GO:0001809  | 1     | 0.997967836 | 0 | 1 |
| 556    | GO:0001811  | 1     | 0.997971783 | 0 | 1 |
| 557    | GO:0001812  | 1     | 0.997988572 | 0 | 1 |
| 558    | GO:0001814  | 1     | 0.997971783 | 0 | 1 |
| 559    | GO:0001815  | 1     | 0.997973097 | 0 | 1 |
| 560    | GO:0001817  | 1     | 0.924699084 | 0 | 39 |
| 561    | GO:0001818  | 1     | 0.935871769 | 0 | 33 |
| 562    | GO:0001819  | 1     | 0.886158134 | 0 | 60 |
| 563    | GO:0001820  | 1     | 0.998012951 | 0 | 1 |
| 564    | GO:0001821  | 1     | 0.993918701 | 0 | 3 |
| 565    | GO:0001822  | 1     | 0.774505804 | 0 | 127 |
| 566    | GO:0001823  | 1     | 0.97805794  | 0 | 11 |
| 567    | GO:0001824  | 1     | 0.956491817 | 0 | 22 |
| 568    | GO:0001825  | 1     | 0.962429679 | 0 | 19 |
| 569    | GO:0001826  | 1     | 0.99402425  | 0 | 3 |
| 570    | GO:0001827  | 1     | 0.995998174 | 0 | 2 |
| 571    | GO:0001828  | 1     | 0.998012251 | 0 | 1 |
| 572    | GO:0001829  | 1     | 0.974211198 | 0 | 13 |
| 573    | GO:0001830  | 1     | 0.997972653 | 0 | 1 |
| GO:0001831 | 1 | 0.998013437 | 0 | 1 |
| GO:0001832 | 1 | 0.990037125 | 0 | 5 |
| GO:0001833 | 1 | 0.9723214 | 0 | 14 |
| GO:0001834 | 1 | 0.996007903 | 0 | 2 |
| GO:0001835 | 1 | 0.948869068 | 0 | 26 |
| GO:0001837 | 1 | 0.915561462 | 0 | 44 |
| GO:0001838 | 1 | 0.994044278 | 0 | 3 |
| GO:0001839 | 1 | 0.99800067 | 0 | 1 |
| GO:0001841 | 1 | 0.980147857 | 0 | 10 |
| GO:0001842 | 1 | 0.99598822 | 0 | 2 |
| GO:0001843 | 1 | 0.851675057 | 0 | 80 |
| GO:0001844 | 1 | 0.985961424 | 0 | 7 |
| GO:0001845 | 1 | 0.993972918 | 0 | 3 |
| GO:0001846 | 1 | 0.998013437 | 0 | 1 |
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| GO:0001848 | 1 | 0.990021057 | 0 | 5 |
| GO:0001849 | 1 | 0.990020107 | 0 | 5 |
| GO:0001850 | 1 | 0.997975698 | 0 | 1 |
| GO:0001851 | 1 | 0.99201842 | 0 | 4 |
| GO:0001855 | 1 | 0.995988779 | 0 | 2 |
| GO:0001856 | 1 | 0.997984077 | 0 | 1 |
| GO:0001861 | 1 | 0.998013437 | 0 | 1 |
| GO:0001865 | 1 | 0.996017572 | 0 | 2 |
| GO:0001866 | 1 | 0.995986379 | 0 | 2 |
| GO:0001867 | 1 | 0.983919799 | 0 | 8 |
| GO:0001869 | 1 | 0.995992719 | 0 | 2 |
| GO:0001872 | 1 | 0.997985434 | 0 | 1 |
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| GO:0001878 | 1 | 0.997983601 | 0 | 1 |
| GO:0001880 | 1 | 0.994007383 | 0 | 3 |
| GO:0001881 | 1 | 0.980093946 | 0 | 10 |
| GO:0001882 | 1 | 0.993963241 | 0 | 3 |
| GO:0001883 | 1 | 0.99396493 | 0 | 3 |
| GO:0001885 | 1 | 0.991985709 | 0 | 4 |
| GO:0001886 | 1 | 0.980255986 | 0 | 10 |
| GO:0001887 | 1 | 0.990004694 | 0 | 5 |
| GO:0001888 | 1 | 0.996009688 | 0 | 2 |
| GO:0001889 | 1 | 0.847976645 | 0 | 82 |
| GO:0001890 | 1 | 0.933810447 | 0 | 34 |
| GO:0001891 | 1 | 0.949140784 | 0 | 26 |
| GO:0001892 | 1 | 0.962637592 | 0 | 19 |
| GO:0001893 | 1 | 0.984080429 | 0 | 8 |
| GO:0001894 | 1 | 0.962689597 | 0 | 19 |
| GO:0001895 | 1 | 0.943095155 | 0 | 29 |
| ID   | GO:0002041     | 1 | 0.997990564 | 0 | 1 |
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| 712  | GO:0002042     | 1 | 0.960796374 | 0 | 20 |
| 713  | GO:0002043     | 1 | 0.986051846 | 0 | 7  |
| 714  | GO:0002046     | 1 | 0.993959666 | 0 | 3  |
| 715  | GO:0002051     | 1 | 0.994032329 | 0 | 3  |
| 716  | GO:0002052     | 1 | 0.958761688 | 0 | 21 |
| 718  | GO:0002055     | 1 | 0.97955013  | 0 | 1  |
| 719  | GO:0002058     | 1 | 0.99598094  | 0 | 2  |
| 720  | GO:0002059     | 1 | 0.997980691 | 0 | 1  |
| 721  | GO:0002060     | 1 | 0.995980648 | 0 | 2  |
| 722  | GO:0002062     | 1 | 0.924787315 | 0 | 39 |
| 723  | GO:0002063     | 1 | 0.964616366 | 0 | 18 |
| 724  | GO:0002064     | 1 | 0.976287037 | 0 | 12 |
| 725  | GO:0002066     | 1 | 0.998013437 | 0 | 1  |
| 726  | GO:0002067     | 1 | 0.995988894 | 0 | 2  |
| 727  | GO:0002068     | 1 | 0.992020887 | 0 | 4  |
| 728  | GO:0002070     | 1 | 0.988010394 | 0 | 6  |
| 729  | GO:0002071     | 1 | 0.997990564 | 0 | 1  |
| 730  | GO:0002072     | 1 | 0.998001701 | 0 | 1  |
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| 732  | GO:0002076     | 1 | 0.972309312 | 0 | 14 |
| 733  | GO:0002077     | 1 | 0.997967422 | 0 | 1  |
| 734  | GO:0002079     | 1 | 0.993975387 | 0 | 3  |
| 735  | GO:0002080     | 1 | 0.960446526 | 0 | 20 |
| 736  | GO:0002081     | 1 | 0.995992342 | 0 | 2  |
| 737  | GO:0002082     | 1 | 0.976058325 | 0 | 12 |
| 738  | GO:0002083     | 1 | 0.99797242  | 0 | 1  |
| 739  | GO:0002084     | 1 | 0.980047096 | 0 | 10 |
| 740  | GO:0002086     | 1 | 0.995961225 | 0 | 2  |
| 741  | GO:0002087     | 1 | 0.980212793 | 0 | 10 |
| 742  | GO:0002088     | 1 | 0.945363299 | 0 | 28 |
| 743  | GO:0002089     | 1 | 0.978173872 | 0 | 11 |
| 744  | GO:0002090     | 1 | 0.991966539 | 0 | 4  |
| 745  | GO:0002091     | 1 | 0.978165826 | 0 | 11 |
| 746  | GO:0002092     | 1 | 0.954934012 | 0 | 23 |
| 747  | GO:0002093     | 1 | 0.992047862 | 0 | 4  |
| 748  | GO:0002094     | 1 | 0.997998868 | 0 | 1  |
| 749  | GO:0002095     | 1 | 0.995990685 | 0 | 2  |
| 750  | GO:0002096     | 1 | 0.996012739 | 0 | 2  |
| 751  | GO:0002098     | 1 | 0.968270799 | 0 | 16 |
| 752  | GO:0002100     | 1 | 0.998013437 | 0 | 1  |
| 753  | GO:0002101     | 1 | 0.997987966 | 0 | 1  |
| 754  | GO:0002102     | 1 | 0.943519844 | 0 | 29 |
| 755  | GO:0002112     | 1 | 0.997988898 | 0 | 1  |
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| 805      | GO:0002221 | 1          | 0.99002381  | 0               |
| 806      | GO:0002223 | 1          | 0.813679918 | 0               |
| 807      | GO:0002224 | 1          | 0.924500223 | 0               |
| 808      | GO:0002227 | 1          | 0.968196489 | 0               |
| 809      | GO:0002228 | 1          | 0.997997344 | 0               |
| 811      | GO:0002232 | 1          | 0.991919857 | 0               |
| 812      | GO:0002237 | 1          | 0.98199937  | 0               |
| 813      | GO:0002238 | 1          | 0.997989906 | 0               |
| 814      | GO:0002244 | 1          | 0.882830376 | 0               |
| 815      | GO:0002246 | 1          | 0.997970777 | 0               |
| 816      | GO:0002248 | 1          | 0.991988648 | 0               |
| 818      | GO:0002251 | 1          | 0.997972608 | 0               |
| 820      | GO:0002260 | 1          | 0.984126831 | 0               |
| 821      | GO:0002262 | 1          | 0.980045726 | 0               |
| 822      | GO:0002263 | 1          | 0.998013437 | 0               |
| 823      | GO:0002264 | 1          | 0.997990564 | 0               |
| 824      | GO:0002265 | 1          | 0.992035271 | 0               |
| 825      | GO:0002266 | 1          | 0.997971783 | 0               |
| 826      | GO:0002268 | 1          | 0.95597514  | 0               |
| 827      | GO:0002269 | 1          | 0.993979208 | 0               |
| 828      | GO:0002270 | 1          | 0.995983079 | 0               |
| 829      | GO:0002276 | 1          | 0.995991663 | 0               |
| 830      | GO:0002277 | 1          | 0.995975566 | 0               |
| 831      | GO:0002280 | 1          | 0.996028655 | 0               |
| 832      | GO:0002281 | 1          | 0.974210899 | 0               |
| 833      | GO:0002282 | 1          | 0.993945846 | 0               |
| 834      | GO:0002283 | 1          | 0.985965504 | 0               |
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| 836      | GO:0002291 | 1          | 0.994032577 | 0               |
| 837      | GO:0002292 | 1          | 0.995953994 | 0               |
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| 839      | GO:0002296 | 1          | 0.994045946 | 0               |
| 840      | GO:0002305 | 1          | 0.997986633 | 0               |
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| 842      | GO:0002312 | 1          | 0.995935909 | 0               |
| 843      | GO:0002313 | 1          | 0.993920784 | 0               |
| 844      | GO:0002314 | 1          | 0.989957845 | 0               |
| 845      | GO:0002315 | 1          | 0.982132005 | 0               |
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| 847      | GO:0002317 | 1          | 0.997951264 | 0               |
| 848      | GO:0002318 | 1          | 0.988038641 | 0               |
| 849      | GO:0002319 | 1          | 0.998013437 | 0               |
| GO:0002320 | 1 | 0.987956298 | 0 | 6 |
| GO:0002322 | 1 | 0.990041749 | 0 | 5 |
| GO:0002323 | 1 | 0.995930304 | 0 | 2 |
| GO:0002326 | 1 | 0.992040569 | 0 | 4 |
| GO:0002327 | 1 | 0.992056903 | 0 | 4 |
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| GO:0002329 | 1 | 0.99801343 | 0 | 1 |
| GO:0002331 | 1 | 0.99799208 | 0 | 1 |
| GO:0002333 | 1 | 0.995970264 | 0 | 2 |
| GO:0002334 | 1 | 0.993954387 | 0 | 3 |
| GO:0002337 | 1 | 0.997958636 | 0 | 1 |
| GO:0002347 | 1 | 0.995942265 | 0 | 2 |
| GO:0002353 | 1 | 0.995951379 | 0 | 2 |
| GO:0002355 | 1 | 0.99798545 | 0 | 1 |
| GO:0002357 | 1 | 0.986024 | 0 | 7 |
| GO:0002358 | 1 | 0.997956473 | 0 | 1 |
| GO:0002360 | 1 | 0.990016218 | 0 | 5 |
| GO:0002361 | 1 | 0.995974648 | 0 | 2 |
| GO:0002362 | 1 | 0.995967372 | 0 | 2 |
| GO:0002363 | 1 | 0.997977347 | 0 | 1 |
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| GO:0002366 | 1 | 0.993997318 | 0 | 3 |
| GO:0002383 | 1 | 0.997972608 | 0 | 1 |
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| GO:0002399 | 1 | 0.997967215 | 0 | 1 |
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| GO:0002408 | 1 | 0.99593926 | 0 | 2 |
| GO:0002412 | 1 | 0.99798205 | 0 | 1 |
| GO:0002415 | 1 | 0.995991114 | 0 | 2 |
| GO:0002416 | 1 | 0.997974565 | 0 | 1 |
| GO:0002418 | 1 | 0.995964423 | 0 | 2 |
| GO:0002419 | 1 | 0.997970795 | 0 | 1 |
| GO:0002429 | 1 | 0.995980832 | 0 | 2 |
| GO:0002430 | 1 | 0.984012237 | 0 | 8 |
| GO:0002431 | 1 | 0.995951379 | 0 | 2 |
| GO:0002432 | 1 | 0.998010722 | 0 | 1 |
| GO:0002434 | 1 | 0.997991997 | 0 | 1 |
| GO:0002435 | 1 | 0.998013437 | 0 | 1 |
| GO                  | Count | Probability | Hits | Coverage |
|---------------------|-------|-------------|------|----------|
| GO:0002436          | 1     | 0.997971783 | 0    | 1        |
| GO:0002437          | 1     | 0.960513239 | 0    | 20       |
| GO:0002438          | 1     | 0.987979989 | 0    | 6        |
| GO:0002439          | 1     | 0.995960208 | 0    | 2        |
| GO:0002446          | 1     | 0.982053483 | 0    | 9        |
| GO:0002447          | 1     | 0.997989208 | 0    | 1        |
| GO:0002448          | 1     | 0.995988315 | 0    | 2        |
| GO:0002451          | 1     | 0.99797134  | 0    | 1        |
| GO:0002455          | 1     | 0.991935428 | 0    | 4        |
| GO:0002456          | 1     | 0.978171076 | 0    | 11       |
| GO:0002457          | 1     | 0.992002144 | 0    | 4        |
| GO:0002458          | 1     | 0.997981889 | 0    | 1        |
| GO:0002460          | 1     | 0.984087599 | 0    | 8        |
| GO:0002467          | 1     | 0.995932223 | 0    | 2        |
| GO:0002469          | 1     | 0.997963674 | 0    | 1        |
| GO:0002470          | 1     | 0.949038029 | 0    | 26       |
| GO:0002476          | 1     | 0.991899816 | 0    | 4        |
| GO:0002477          | 1     | 0.95954256  | 0    | 2        |
| GO:0002479          | 1     | 0.864043463 | 0    | 72       |
| GO:0002480          | 1     | 0.983904776 | 0    | 8        |
| GO:0002481          | 1     | 0.997959982 | 0    | 1        |
| GO:0002485          | 1     | 0.997970795 | 0    | 1        |
| GO:0002486          | 1     | 0.993924211 | 0    | 3        |
| GO:0002489          | 1     | 0.998007827 | 0    | 1        |
| GO:0002491          | 1     | 0.995932223 | 0    | 2        |
| GO:0002495          | 1     | 0.995985075 | 0    | 2        |
| GO:0002502          | 1     | 0.995956708 | 0    | 2        |
| GO:0002503          | 1     | 0.991882391 | 0    | 4        |
| GO:0002504          | 1     | 0.97390754  | 0    | 13       |
| GO:0002505          | 1     | 0.997994144 | 0    | 1        |
| GO:0002507          | 1     | 0.993948714 | 0    | 3        |
| GO:0002508          | 1     | 0.997988743 | 0    | 1        |
| GO:0002509          | 1     | 0.997980488 | 0    | 1        |
| GO:0002513          | 1     | 0.991966207 | 0    | 4        |
| GO:0002517          | 1     | 0.997988821 | 0    | 1        |
| GO:0002518          | 1     | 0.997964216 | 0    | 1        |
| GO:0002519          | 1     | 0.99394189  | 0    | 3        |
| GO:0002520          | 1     | 0.990057692 | 0    | 5        |
| GO:0002521          | 1     | 0.991977576 | 0    | 4        |
| GO:0002522          | 1     | 0.997981211 | 0    | 1        |
| GO:0002523          | 1     | 0.976129068 | 0    | 12       |
| GO:0002524          | 1     | 0.99799867  | 0    | 1        |
| GO:0002526          | 1     | 0.976059957 | 0    | 12       |
| GO:0002528          | 1     | 0.992003017 | 0    | 4        |
| GO ID | Description | Value | Context Count |
|-------|-------------|-------|---------------|
| GO:0002532 | | 0.993964393 | 3 |
| GO:0002536 | | 0.997957442 | 1 |
| GO:0002537 | | 0.998013431 | 1 |
| GO:0002540 | | 0.995949306 | 2 |
| GO:0002541 | | 0.997984299 | 1 |
| GO:0002542 | | 0.996000556 | 2 |
| GO:0002543 | | 0.995966318 | 2 |
| GO:0002544 | | 0.952414271 | 24 |
| GO:0002548 | | 0.952414271 | 24 |
| GO:0002551 | | 0.992013946 | 4 |
| GO:0002553 | | 0.993978141 | 3 |
| GO:0002554 | | 0.998012951 | 1 |
| GO:0002561 | | 0.998009198 | 1 |
| GO:0002566 | | 0.998013437 | 1 |
| GO:0002572 | | 0.997995407 | 1 |
| GO:0002573 | | 0.994051614 | 3 |
| GO:0002575 | | 0.998001964 | 1 |
| GO:0002576 | | 0.79773085 | 112 |
| GO:0002577 | | 0.997998144 | 1 |
| GO:0002579 | | 0.99796466 | 1 |
| GO:0002581 | | 0.998013437 | 1 |
| GO:0002587 | | 0.995972891 | 2 |
| GO:0002588 | | 0.995923521 | 2 |
| GO:0002590 | | 0.997975526 | 1 |
| GO:0002605 | | 0.991994045 | 4 |
| GO:0002606 | | 0.987989225 | 6 |
| GO:0002617 | | 0.998009752 | 1 |
| GO:0002622 | | 0.997971783 | 1 |
| GO:0002625 | | 0.997975818 | 1 |
| GO:0002626 | | 0.997977701 | 1 |
| GO:0002634 | | 0.990073406 | 5 |
| GO:0002635 | | 0.996006085 | 2 |
| GO:0002636 | | 0.99593831 | 2 |
| GO:0002637 | | 0.983967653 | 8 |
| GO:0002638 | | 0.98401586 | 8 |
| GO:0002639 | | 0.96236806 | 19 |
| GO:0002643 | | 0.995995133 | 2 |
| GO:0002645 | | 0.99797134 | 1 |
| GO:0002651 | | 0.99801192 | 1 |
| GO:0002652 | | 0.997983824 | 1 |
| GO:0002663 | | 0.99801192 | 1 |
| GO:0002664 | | 0.997997686 | 1 |
| GO:0002666 | | 0.993979138 | 3 |
| GO:0002667 | | 0.993980505 | 3 |
| GO:0002669 | | 0.989994509 | 5 |
| GO:0002673 | 1 | 0.991942644 | 0 | 4 |
| GO:0002674 | 1 | 0.98990321 | 0 | 5 |
| GO:0002675 | 1 | 0.984014887 | 0 | 8 |
| GO:0002676 | 1 | 0.97964679 | 0 | 1 |
| GO:0002677 | 1 | 0.95998762 | 0 | 2 |
| GO:0002679 | 1 | 0.99992945 | 0 | 2 |
| GO:0002685 | 1 | 0.98006017 | 0 | 6 |
| GO:0002686 | 1 | 0.98952403 | 0 | 5 |
| GO:0002687 | 1 | 0.978133383 | 0 | 11 |
| GO:0002688 | 1 | 0.98010325 | 0 | 1 |
| GO:0002689 | 1 | 0.96025449 | 0 | 2 |
| GO:0002691 | 1 | 0.997969548 | 0 | 1 |
| GO:0002692 | 1 | 0.99798379 | 0 | 1 |
| GO:0002693 | 1 | 0.990031533 | 0 | 5 |
| GO:0002695 | 1 | 0.99577234 | 0 | 2 |
| GO:0002696 | 1 | 0.99801136 | 0 | 1 |
| GO:0002697 | 1 | 0.994001904 | 0 | 3 |
| GO:0002698 | 1 | 0.997973097 | 0 | 1 |
| GO:0002699 | 1 | 0.995964241 | 0 | 2 |
| GO:0002700 | 1 | 0.994026722 | 0 | 3 |
| GO:0002701 | 1 | 0.998043557 | 0 | 5 |
| GO:0002702 | 1 | 0.972274914 | 0 | 14 |
| GO:0002703 | 1 | 0.997988572 | 0 | 1 |
| GO:0002704 | 1 | 0.996016133 | 0 | 2 |
| GO:0002705 | 1 | 0.989943072 | 0 | 5 |
| GO:0002706 | 1 | 0.982055066 | 0 | 9 |
| GO:0002707 | 1 | 0.995980781 | 0 | 2 |
| GO:0002708 | 1 | 0.985889782 | 0 | 7 |
| GO:0002709 | 1 | 0.996012295 | 0 | 2 |
| GO:0002710 | 1 | 0.998014368 | 0 | 1 |
| GO:0002711 | 1 | 0.992023734 | 0 | 4 |
| GO:0002712 | 1 | 0.997959046 | 0 | 1 |
| GO:0002713 | 1 | 0.997994144 | 0 | 1 |
| GO:0002714 | 1 | 0.99594917 | 0 | 2 |
| GO:0002715 | 1 | 0.978108187 | 0 | 11 |
| GO:0002716 | 1 | 0.943366881 | 0 | 29 |
| GO:0002717 | 1 | 0.960506858 | 0 | 20 |
| GO:0002718 | 1 | 0.99798968 | 0 | 1 |
| GO:0002719 | 1 | 0.997981211 | 0 | 1 |
| GO:0002720 | 1 | 0.995981507 | 0 | 2 |
| GO:0002721 | 1 | 0.99802986 | 0 | 1 |
| GO:0002722 | 1 | 0.993921005 | 0 | 3 |
| GO:0002763 | 1 | 0.996019605 | 0 | 2 |
|------------|---|-------------|---|---|
| GO:0002764 | 1 | 0.995954122 | 0 | 2 |
| GO:0002765 | 1 | 0.995948993 | 0 | 2 |
| GO:0002766 | 1 | 0.99597596  | 0 | 2 |
| GO:0002767 | 1 | 0.987967917 | 0 | 6 |
| GO:0002768 | 1 | 0.993979546 | 0 | 3 |
| GO:0002769 | 1 | 0.998003862 | 0 | 1 |
| GO:0002770 | 1 | 0.99602609  | 0 | 2 |
| GO:0002771 | 1 | 0.997966363 | 0 | 1 |
| GO:0002772 | 1 | 0.995944091 | 0 | 2 |
| GO:0002773 | 1 | 0.993923436 | 0 | 3 |
| GO:0002774 | 1 | 0.997966363 | 0 | 1 |
| GO:0002775 | 1 | 0.987981571 | 0 | 6 |
| GO:0002776 | 1 | 0.993967866 | 0 | 3 |
| GO:0002777 | 1 | 0.982002726 | 0 | 9 |
| GO:0002778 | 1 | 0.99797936  | 0 | 1 |
| GO:0002779 | 1 | 0.990028382 | 0 | 5 |
| GO:0002780 | 1 | 0.99001705  | 0 | 5 |
| GO:0002781 | 1 | 0.997983824 | 0 | 1 |
| GO:0002782 | 1 | 0.997977819 | 0 | 1 |
| GO:0002783 | 1 | 0.99800642  | 0 | 1 |
| GO:0002784 | 1 | 0.995996881 | 0 | 2 |
| GO:0002785 | 1 | 0.993968498 | 0 | 3 |
| GO:0002786 | 1 | 0.997970594 | 0 | 1 |
| GO:0002787 | 1 | 0.99798403  | 0 | 1 |
| GO:0002788 | 1 | 0.995987388 | 0 | 2 |
| GO:0002789 | 1 | 0.995970969 | 0 | 2 |
| GO:0002790 | 1 | 0.997970959 | 0 | 1 |
| GO:0002791 | 1 | 0.99598082  | 0 | 2 |
| GO:0002792 | 1 | 0.989986356 | 0 | 5 |
| GO:0002793 | 1 | 0.837326113 | 0 | 88 |
| GO:0002794 | 1 | 0.993977789 | 0 | 3 |
| GO:0002795 | 1 | 0.997988495 | 0 | 1 |
| GO:0002796 | 1 | 0.99596633  | 0 | 2 |
| GO:0002797 | 1 | 0.995976346 | 0 | 2 |
| GO:0002798 | 1 | 0.997972205 | 0 | 1 |
| GO:0002799 | 1 | 0.997972866 | 0 | 1 |
| GO:0002800 | 1 | 0.997979381 | 0 | 1 |
| GO:0002801 | 1 | 0.997981373 | 0 | 1 |
| GO:0002802 | 1 | 0.993992669 | 0 | 3 |
| GO:0002803 | 1 | 0.997988743 | 0 | 1 |
| GO:0002804 | 1 | 0.994009079 | 0 | 3 |
| GO:0002805 | 1 | 0.986050479 | 0 | 7 |
| GO:0002806 | 1 | 0.993954062 | 0 | 3 |
| GO:0002807 | 1 | 0.993944821 | 0 | 3 |
| GO:0002808 | 1 | 0.995978544 | 0 | 2 |
| GeneID | GO Identifier | GO Name | Type | Value | Id | Pathway | Score | Id | Pathway | Score |
|--------|---------------|---------|------|-------|----|---------|-------|----|---------|-------|
| 1079   | GO:0002922    |         |      |       | 1  |         | 0.993933022 | 0 | 3        |        |
| 1080   | GO:0002923    |         |      |       | 1  |         | 0.998012965  | 0 | 1        |        |
| 1081   | GO:0002924    |         |      |       | 1  |         | 0.993955257  | 0 | 3        |        |
| 1082   | GO:0002925    |         |      |       | 1  |         | 0.991992761  | 0 | 4        |        |
| 1083   | GO:0002926    |         |      |       | 1  |         | 0.995992301  | 0 | 2        |        |
| 1084   | GO:0002930    |         |      |       | 1  |         | 0.995995263  | 0 | 2        |        |
| 1085   | GO:0002931    |         |      |       | 1  |         | 0.889878348  | 0 | 58       |        |
| 1086   | GO:0002933    |         |      |       | 1  |         | 0.985939824  | 0 | 7        |        |
| 1087   | GO:0002934    |         |      |       | 1  |         | 0.988099235  | 0 | 6        |        |
| 1088   | GO:0002939    |         |      |       | 1  |         | 0.99600774   | 0 | 2        |        |
| 1091   | GO:0002944    |         |      |       | 1  |         | 0.996000405  | 0 | 2        |        |
| 1092   | GO:0002945    |         |      |       | 1  |         | 0.996000405  | 0 | 2        |        |
| 1093   | GO:0002946    |         |      |       | 1  |         | 0.99798556   | 0 | 1        |        |
| 1094   | GO:0002947    |         |      |       | 1  |         | 0.991962516  | 0 | 4        |        |
| 1095   | GO:0002949    |         |      |       | 1  |         | 0.993921977  | 0 | 3        |        |
| 1096   | GO:0002950    |         |      |       | 1  |         | 0.994000085  | 0 | 3        |        |
| 1097   | GO:0002951    |         |      |       | 1  |         | 0.995975104  | 0 | 2        |        |
| 1098   | GO:0002953    |         |      |       | 1  |         | 0.997971972  | 0 | 1        |        |
| 1099   | GO:0003002    |         |      |       | 1  |         | 0.998013437  | 0 | 1        |        |
| 1100   | GO:0003006    |         |      |       | 1  |         | 0.99009672   | 0 | 5        |        |
| 1101   | GO:0003007    |         |      |       | 1  |         | 0.906429565  | 0 | 49       |        |
| 1102   | GO:0003009    |         |      |       | 1  |         | 0.956531441  | 0 | 22       |        |
| 1103   | GO:0003011    |         |      |       | 1  |         | 0.998012955  | 0 | 1        |        |
| 1104   | GO:0003012    |         |      |       | 1  |         | 0.995945553  | 0 | 2        |        |
| 1105   | GO:0003014    |         |      |       | 1  |         | 0.982104699  | 0 | 9        |        |
| 1106   | GO:0003015    |         |      |       | 1  |         | 0.988013621  | 0 | 6        |        |
| 1107   | GO:0003016    |         |      |       | 1  |         | 0.974296066  | 0 | 13       |        |
| 1108   | GO:0003017    |         |      |       | 1  |         | 0.996030731  | 0 | 2        |        |
| 1109   | GO:0003025    |         |      |       | 1  |         | 0.998013437  | 0 | 1        |        |
| 1110   | GO:0003026    |         |      |       | 1  |         | 0.997990564  | 0 | 1        |        |
| 1111   | GO:0003032    |         |      |       | 1  |         | 0.99599577   | 0 | 2        |        |
| 1112   | GO:0003044    |         |      |       | 1  |         | 0.997983808  | 0 | 1        |        |
| 1113   | GO:0003050    |         |      |       | 1  |         | 0.996013969  | 0 | 2        |        |
| 1114   | GO:0003051    |         |      |       | 1  |         | 0.995993757  | 0 | 2        |        |
| 1115   | GO:0003056    |         |      |       | 1  |         | 0.992022962  | 0 | 4        |        |
| 1116   | GO:0003057    |         |      |       | 1  |         | 0.997989294  | 0 | 1        |        |
| 1117   | GO:0003058    |         |      |       | 1  |         | 0.997964968  | 0 | 1        |        |
| 1118   | GO:0003062    |         |      |       | 1  |         | 0.996027698  | 0 | 2        |        |
| 1119   | GO:0003063    |         |      |       | 1  |         | 0.997990402  | 0 | 1        |        |
| 1120   | GO:0003064    |         |      |       | 1  |         | 0.995977217  | 0 | 2        |        |
| 1121   | GO:0003065    |         |      |       | 1  |         | 0.997975043  | 0 | 1        |        |
| 1122   | GO:0003069    |         |      |       | 1  |         | 0.997960735  | 0 | 1        |        |
| 1123   | GO:0003073    |         |      |       | 1  |         | 0.978126667  | 0 | 11       |        |
| ID   | GO ID          | Value   | Count | Score   |
|------|----------------|---------|-------|---------|
| 1124 | GO:0003081     | 1       | 0     | 0.990027655 |
| 1125 | GO:0003084     | 1       | 0     | 0.976116661  |
| 1126 | GO:0003085     | 1       | 0     | 0.986043334  |
| 1127 | GO:0003091     | 1       | 0     | 0.93972095   |
| 1128 | GO:0003093     | 1       | 0     | 0.992035272  |
| 1129 | GO:0003094     | 1       | 0     | 0.982172488  |
| 1130 | GO:0003095     | 1       | 0     | 0.99358048   |
| 1131 | GO:0003096     | 1       | 0     | 0.95960383   |
| 1132 | GO:0003097     | 1       | 0     | 0.996003563  |
| 1133 | GO:0003099     | 1       | 0     | 0.99764968   |
| 1134 | GO:0003100     | 1       | 0     | 0.98961239   |
| 1135 | GO:0003104     | 1       | 0     | 0.99199165   |
| 1136 | GO:0003105     | 1       | 0     | 0.994021911  |
| 1137 | GO:0003106     | 1       | 0     | 0.997953993  |
| 1138 | GO:0003108     | 1       | 0     | 0.997990564  |
| 1139 | GO:0003117     | 1       | 0     | 0.997984157  |
| 1140 | GO:0003127     | 1       | 0     | 0.994012749  |
| 1141 | GO:0003128     | 1       | 0     | 0.99799867   |
| 1142 | GO:0003130     | 1       | 0     | 0.993951509  |
| 1143 | GO:0003131     | 1       | 0     | 0.997991726  |
| 1144 | GO:0003136     | 1       | 0     | 0.997993311  |
| 1145 | GO:0003138     | 1       | 0     | 0.994015943  |
| 1146 | GO:0003139     | 1       | 0     | 0.97811049   |
| 1147 | GO:0003140     | 1       | 0     | 0.993961885  |
| 1148 | GO:0003143     | 1       | 0     | 0.986030037  |
| 1149 | GO:0003147     | 1       | 0     | 0.997961189  |
| 1150 | GO:0003148     | 1       | 0     | 0.953067306  |
| 1151 | GO:0003149     | 1       | 0     | 0.986036399  |
| 1152 | GO:0003150     | 1       | 0     | 0.993992771  |
| 1153 | GO:0003151     | 1       | 0     | 0.919046618  |
| 1154 | GO:0003156     | 1       | 0     | 0.997975026  |
| 1155 | GO:0003157     | 1       | 0     | 0.992026448  |
| 1156 | GO:0003158     | 1       | 0     | 0.990007834  |
| 1157 | GO:0003160     | 1       | 0     | 0.996001752  |
| 1158 | GO:0003161     | 1       | 0     | 0.972298776  |
| 1159 | GO:0003162     | 1       | 0     | 0.992065124  |
| 1160 | GO:0003163     | 1       | 0     | 0.990011888  |
| 1161 | GO:0003165     | 1       | 0     | 0.996000933  |
| 1162 | GO:0003166     | 1       | 0     | 0.995939593  |
| 1163 | GO:0003167     | 1       | 0     | 0.995999746  |
| 1164 | GO:0003169     | 1       | 0     | 0.99601928   |
| 1165 | GO:0003170     | 1       | 0     | 0.980230139  |
| 1166 | GO:0003171     | 1       | 0     | 0.995996517  |
| 1167 | GO:0003174     | 1       | 0     | 0.997996859  |
| 1168 | GO:0003176     | 1       | 0     | 0.990019648  |
| ID     | GO:0003177 | 1  | 0.992007372 | 0 | 4 |
|--------|------------|----|-------------|---|---|
| GO:0003179 |           | 1  | 0.986096865 | 0 | 7 |
| GO:0003180 |           | 1  | 0.949238344 | 0 | 26|
| GO:0003181 |           | 1  | 0.978278895 | 0 | 11|
| GO:0003182 |           | 1  | 0.998013437 | 0 | 1 |
| GO:0003183 |           | 1  | 0.986081244 | 0 | 7 |
| GO:0003184 |           | 1  | 0.970436306 | 0 | 15|
| GO:0003185 |           | 1  | 0.998013437 | 0 | 1 |
| GO:0003186 |           | 1  | 0.992041271 | 0 | 4 |
| GO:0003188 |           | 1  | 0.996001283 | 0 | 2 |
| GO:0003190 |           | 1  | 0.993018728 | 0 | 3 |
| GO:0003192 |           | 1  | 0.994036568 | 0 | 3 |
| GO:0003193 |           | 1  | 0.997996859 | 0 | 1 |
| GO:0003195 |           | 1  | 0.99599129  | 0 | 2 |
| GO:0003197 |           | 1  | 0.98806752  | 0 | 6 |
| GO:0003198 |           | 1  | 0.982061549 | 0 | 9 |
| GO:0003199 |           | 1  | 0.995963695 | 0 | 2 |
| GO:0003203 |           | 1  | 0.98240823  | 0 | 16|
| GO:0003205 |           | 1  | 0.995991461 | 0 | 2 |
| GO:0003207 |           | 1  | 0.998013437 | 0 | 1 |
| GO:0003208 |           | 1  | 0.984121074 | 0 | 8 |
| GO:0003209 |           | 1  | 0.98801734  | 0 | 6 |
| GO:0003210 |           | 1  | 0.995963977 | 0 | 2 |
| GO:0003211 |           | 1  | 0.994001151 | 0 | 3 |
| GO:0003213 |           | 1  | 0.996013982 | 0 | 2 |
| GO:0003214 |           | 1  | 0.982067105 | 0 | 7 |
| GO:0003215 |           | 1  | 0.98013058  | 0 | 10|
| GO:0003219 |           | 1  | 0.995990664 | 0 | 2 |
| GO:0003220 |           | 1  | 0.996030731 | 0 | 2 |
| GO:0003221 |           | 1  | 0.998011079 | 0 | 1 |
| GO:0003222 |           | 1  | 0.974322594 | 0 | 13|
| GO:0003223 |           | 1  | 0.988091939 | 0 | 6 |
| GO:0003226 |           | 1  | 0.982067105 | 0 | 7 |
| GO:0003228 |           | 1  | 0.997972608 | 0 | 1 |
| GO:0003229 |           | 1  | 0.994018232 | 0 | 3 |
| GO:0003231 |           | 1  | 0.988015726 | 0 | 6 |
| GO:0003236 |           | 1  | 0.997963363 | 0 | 1 |
| GO:0003241 |           | 1  | 0.995980754 | 0 | 2 |
| GO:0003245 |           | 1  | 0.997995094 | 0 | 1 |
| GO:0003247 |           | 1  | 0.997972367 | 0 | 1 |
| GO:0003251 |           | 1  | 0.998013437 | 0 | 1 |
| GO:0003252 |           | 1  | 0.996030731 | 0 | 2 |
| GO:0003253 |           | 1  | 0.995947645 | 0 | 2 |
| GO:0003254 |           | 1  | 0.988035691 | 0 | 6 |
| GO:0003256 |           | 1  | 0.994009591 | 0 | 3 |
| GO ID     | GO Term             | Count | Gene1 | Gene2 | Gene3 |
|-----------|---------------------|-------|-------|-------|-------|
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| GO:0003259 | GO:0003259          | 1     |       |       |       |
| GO:0003260 | GO:0003260          | 1     |       |       |       |
| GO:0003264 | GO:0003264          | 1     |       |       |       |
| GO:0003266 | GO:0003266          | 1     |       |       |       |
| GO:0003270 | GO:0003270          | 1     |       |       |       |
| GO:0003271 | GO:0003271          | 1     |       |       |       |
| GO:0003272 | GO:0003272          | 1     |       |       |       |
| GO:0003273 | GO:0003273          | 1     |       |       |       |
| GO:0003274 | GO:0003274          | 1     |       |       |       |
| GO:0003278 | GO:0003278          | 1     |       |       |       |
| GO:0003279 | GO:0003279          | 1     |       |       |       |
| GO:0003281 | GO:0003281          | 1     |       |       |       |
| GO:0003283 | GO:0003283          | 1     |       |       |       |
| GO:0003286 | GO:0003286          | 1     |       |       |       |
| GO:0003289 | GO:0003289          | 1     |       |       |       |
| GO:0003290 | GO:0003290          | 1     |       |       |       |
| GO:0003300 | GO:0003300          | 1     |       |       |       |
| GO:0003308 | GO:0003308          | 1     |       |       |       |
| GO:0003309 | GO:0003309          | 1     |       |       |       |
| GO:0003310 | GO:0003310          | 1     |       |       |       |
| GO:0003322 | GO:0003322          | 1     |       |       |       |
| GO:0003323 | GO:0003323          | 1     |       |       |       |
| GO:0003330 | GO:0003330          | 1     |       |       |       |
| GO:0003331 | GO:0003331          | 1     |       |       |       |
| GO:0003332 | GO:0003332          | 1     |       |       |       |
| GO:0003333 | GO:0003333          | 1     |       |       |       |
| GO:0003334 | GO:0003334          | 1     |       |       |       |
| GO:0003335 | GO:0003335          | 1     |       |       |       |
| GO:0003336 | GO:0003336          | 1     |       |       |       |
| GO:0003337 | GO:0003337          | 1     |       |       |       |
| GO:0003338 | GO:0003338          | 1     |       |       |       |
| GO:0003339 | GO:0003339          | 1     |       |       |       |
| GO:0003341 | GO:0003341          | 1     |       |       |       |
| GO:0003342 | GO:0003342          | 1     |       |       |       |
| GO:0003343 | GO:0003343          | 1     |       |       |       |
| GO:0003344 | GO:0003344          | 1     |       |       |       |
| GO:0003345 | GO:0003345          | 1     |       |       |       |
| GO:0003350 | GO:0003350          | 1     |       |       |       |
| GO:0003351 | GO:0003351          | 1     |       |       |       |
| GO:0003352 | GO:0003352          | 1     |       |       |       |
| GO:0003353 | GO:0003353          | 1     |       |       |       |
| GO:0003354 | GO:0003354          | 1     |       |       |       |
| GO:0003355 | GO:0003355          | 1     |       |       |       |
| GO:0003356 | GO:0003356          | 1     |       |       |       |
| GO:0003357 | GO:0003357          | 1     |       |       |       |
| GO:0003358 | GO:0003358          | 1     |       |       |       |
| GO:0003359 | GO:0003359          | 1     |       |       |       |
| GO:0003360 | GO:0003360          | 1     |       |       |       |
| ID    | GO Term | Value | Corrected | FDR | Unique Occurrences |
|-------|---------|-------|-----------|-----|--------------------|
| 1260  | GO:0003363 | 0.998013437 | 1 | 0 | 1 |
| 1261  | GO:0003365 | 0.994051303 | 1 | 0 | 3 |
| 1262  | GO:0003366 | 0.996008328 | 1 | 0 | 2 |
| 1264  | GO:0003376 | 0.974232621 | 1 | 0 | 13 |
| 1265  | GO:0003382 | 0.966492121 | 1 | 0 | 17 |
| 1266  | GO:0003383 | 0.996030731 | 1 | 0 | 2 |
| 1267  | GO:0003382 | 0.991990129 | 1 | 0 | 4 |
| 1268  | GO:0003382 | 0.996025937 | 1 | 0 | 3 |
| 1269  | GO:0003382 | 0.996015943 | 1 | 0 | 3 |
| 1270  | GO:0003400 | 0.995989749 | 1 | 0 | 2 |
| 1271  | GO:0003404 | 0.995999091 | 1 | 0 | 2 |
| 1272  | GO:0003407 | 0.968442544 | 1 | 0 | 16 |
| 1273  | GO:0003408 | 0.996011598 | 1 | 0 | 2 |
| 1274  | GO:0003409 | 0.99799889 | 1 | 0 | 1 |
| 1275  | GO:0003412 | 0.998013437 | 1 | 0 | 1 |
| 1276  | GO:0003413 | 0.990058414 | 1 | 0 | 5 |
| 1277  | GO:0003415 | 0.996019466 | 1 | 0 | 2 |
| 1278  | GO:0003416 | 0.984115676 | 1 | 0 | 8 |
| 1279  | GO:0003417 | 0.982116197 | 1 | 0 | 9 |
| 1280  | GO:0003418 | 0.993962799 | 1 | 0 | 3 |
| 1281  | GO:0003419 | 0.997947599 | 1 | 0 | 1 |
| 1282  | GO:0003420 | 0.997986766 | 1 | 0 | 1 |
| 1283  | GO:0003421 | 0.998006293 | 1 | 0 | 1 |
| 1284  | GO:0003429 | 0.998005803 | 1 | 0 | 1 |
| 1285  | GO:0003430 | 0.994022143 | 1 | 0 | 3 |
| 1286  | GO:0003431 | 0.996007161 | 1 | 0 | 2 |
| 1287  | GO:0003433 | 0.995999091 | 1 | 0 | 2 |
| 1291  | GO:0003678 | 0.886757315 | 1 | 0 | 60 |
| 1292  | GO:0003680 | 0.984081942 | 1 | 0 | 8 |
| 1293  | GO:0003681 | 0.995966387 | 1 | 0 | 2 |
| 1295  | GO:0003684 | 0.882783821 | 1 | 0 | 62 |
| 1296  | GO:0003688 | 0.954874087 | 1 | 0 | 23 |
| 1297  | GO:0003689 | 0.982019443 | 1 | 0 | 9 |
| 1299  | GO:0003691 | 0.982062485 | 1 | 0 | 9 |
| 1300  | GO:0003692 | 0.997981263 | 1 | 0 | 1 |
| 1301  | GO:0003696 | 0.991993167 | 1 | 0 | 4 |
| 1302  | GO:0003697 | 0.802927212 | 1 | 0 | 109 |
| 1304  | GO:0003707 | 0.954953873 | 1 | 0 | 23 |
| 1305  | GO:0003711 | 0.99200636 | 1 | 0 | 4 |
| 1306  | GO:0003712 | 0.774377720 | 1 | 0 | 127 |
| 1307  | GO:0003713 | 0.628659834 | 1 | 0 | 230 |
| 1308  | GO:0003714 | 0.692826218 | 1 | 0 | 182 |
| 1309  | GO:0003720 | 0.988031062 | 1 | 0 | 6 |
| 1310  | GO:0003721 | 0.99800762 | 1 | 0 | 1 |
| 1314  | GO:0003726 | 0.994041559 | 1 | 0 | 3 |
| GeneID | GO:0003729 | 1 | 0.667892027 | 0 | 200 |
|--------|-------------|---|--------------|---|-----|
| GeneID | GO:0003730 | 1 | 0.858189085 | 0 | 76  |
| GeneID | GO:0003735 | 1 | 0.722163019 | 0 | 159 |
| GeneID | GO:0003743 | 1 | 0.895057826 | 0 | 55  |
| GeneID | GO:0003746 | 1 | 0.922208107 | 0 | 40  |
| GeneID | GO:0003755 | 1 | 0.948912633 | 0 | 26  |
| GeneID | GO:0003756 | 1 | 0.986041486 | 0 | 57  |
| GeneID | GO:0003777 | 1 | 0.94853346  | 0 | 26  |
| GeneID | GO:0003785 | 1 | 0.993899059 | 0 | 3   |
| GeneID | GO:0003796 | 1 | 0.98996246  | 0 | 5   |
| GeneID | GO:0003810 | 1 | 0.97209043  | 0 | 14  |
| GeneID | GO:0003826 | 1 | 0.995967523 | 0 | 2   |
| GeneID | GO:0003827 | 1 | 0.997993157 | 0 | 1   |
| GeneID | GO:0003828 | 1 | 0.992001873 | 0 | 4   |
| GeneID | GO:0003829 | 1 | 0.994008077 | 0 | 3   |
| GeneID | GO:0003830 | 1 | 0.998012929 | 0 | 1   |
| GeneID | GO:0003831 | 1 | 0.991965082 | 0 | 4   |
| GeneID | GO:0003834 | 1 | 0.99598669  | 0 | 2   |
| GeneID | GO:0003835 | 1 | 0.996027171 | 0 | 2   |
| GeneID | GO:0003836 | 1 | 0.99200446  | 0 | 4   |
| GeneID | GO:0003837 | 1 | 0.99797776  | 0 | 1   |
| GeneID | GO:0003839 | 1 | 0.993910875 | 0 | 3   |
| GeneID | GO:0003841 | 1 | 0.974319092 | 0 | 13  |
| GeneID | GO:0003842 | 1 | 0.997998159 | 0 | 1   |
| GeneID | GO:0003844 | 1 | 0.99796052  | 0 | 1   |
| GeneID | GO:0003845 | 1 | 0.995948806 | 0 | 2   |
| GeneID | GO:0003846 | 1 | 0.989971895 | 0 | 5   |
| GeneID | GO:0003847 | 1 | 0.983915758 | 0 | 8   |
| GeneID | GO:0003851 | 1 | 0.997992871 | 0 | 1   |
| GeneID | GO:0003853 | 1 | 0.998013437 | 0 | 1   |
| GeneID | GO:0003854 | 1 | 0.991958571 | 0 | 4   |
| GeneID | GO:0003857 | 1 | 0.983950977 | 0 | 8   |
| GeneID | GO:0003858 | 1 | 0.995997361 | 0 | 2   |
| GeneID | GO:0003860 | 1 | 0.997977424 | 0 | 1   |
| GeneID | GO:0003863 | 1 | 0.995967523 | 0 | 2   |
| GeneID | GO:0003865 | 1 | 0.993969634 | 0 | 3   |
| GeneID | GO:0003867 | 1 | 0.998012706 | 0 | 1   |
| GeneID | GO:0003868 | 1 | 0.997975147 | 0 | 1   |
| GeneID | GO:0003870 | 1 | 0.997984093 | 0 | 1   |
| GeneID | GO:0003872 | 1 | 0.993995087 | 0 | 3   |
| GeneID | GO:0003873 | 1 | 0.992023081 | 0 | 4   |
| GeneID | GO:0003874 | 1 | 0.997958946 | 0 | 1   |
| GeneID | GO:0003875 | 1 | 0.995979828 | 0 | 2   |
| ID     | GO:       | Value | Count | Value | Count | Value | Count | Value | Count |
|--------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1364   | GO:0003876| 1     | 0.994012009 | 0     | 3     |       |       |       |       |
| 1365   | GO:0003877| 1     | 0.997990564  | 0     | 1     |       |       |       |       |
| 1366   | GO:0003878| 1     | 0.998010385  | 0     | 1     |       |       |       |       |
| 1367   | GO:0003880| 1     | 0.995982348  | 0     | 2     |       |       |       |       |
| 1368   | GO:0003881| 1     | 0.997976485  | 0     | 1     |       |       |       |       |
| 1369   | GO:0003882| 1     | 0.997985858  | 0     | 1     |       |       |       |       |
| 1370   | GO:0003883| 1     | 0.996001528  | 0     | 2     |       |       |       |       |
| 1371   | GO:0003884| 1     | 0.997972026  | 0     | 1     |       |       |       |       |
| 1372   | GO:0003886| 1     | 0.994042001  | 0     | 3     |       |       |       |       |
| 1373   | GO:0003887| 1     | 0.95484333   | 0     | 23    |       |       |       |       |
| 1374   | GO:0003896| 1     | 0.995963749  | 0     | 2     |       |       |       |       |
| 1375   | GO:0003899| 1     | 0.924255522  | 0     | 39    |       |       |       |       |
| 1376   | GO:0003905| 1     | 0.997961976  | 0     | 1     |       |       |       |       |
| 1377   | GO:0003906| 1     | 0.979964165  | 0     | 10    |       |       |       |       |
| 1378   | GO:0003908| 1     | 0.997965447  | 0     | 1     |       |       |       |       |
| 1379   | GO:0003909| 1     | 0.994015992  | 0     | 3     |       |       |       |       |
| 1380   | GO:0003910| 1     | 0.994015992  | 0     | 3     |       |       |       |       |
| 1381   | GO:0003916| 1     | 0.988071939  | 0     | 6     |       |       |       |       |
| 1382   | GO:0003917| 1     | 0.992010431  | 0     | 4     |       |       |       |       |
| 1383   | GO:0003918| 1     | 0.99603051   | 0     | 2     |       |       |       |       |
| 1384   | GO:0003919| 1     | 0.997978145  | 0     | 1     |       |       |       |       |
| 1386   | GO:0003921| 1     | 0.997986078  | 0     | 1     |       |       |       |       |
| 1387   | GO:0003922| 1     | 0.997986078  | 0     | 1     |       |       |       |       |
| 1388   | GO:0003923| 1     | 0.995995505  | 0     | 2     |       |       |       |       |
| 1390   | GO:0003925| 1     | 0.939359086  | 0     | 31    |       |       |       |       |
| 1391   | GO:0003934| 1     | 0.997977827  | 0     | 1     |       |       |       |       |
| 1392   | GO:0003937| 1     | 0.997980218  | 0     | 1     |       |       |       |       |
| 1393   | GO:0003938| 1     | 0.993948798  | 0     | 3     |       |       |       |       |
| 1394   | GO:0003939| 1     | 0.997987078  | 0     | 1     |       |       |       |       |
| 1395   | GO:0003940| 1     | 0.997981777  | 0     | 1     |       |       |       |       |
| 1396   | GO:0003941| 1     | 0.99393812   | 0     | 3     |       |       |       |       |
| 1397   | GO:0003943| 1     | 0.995997189  | 0     | 2     |       |       |       |       |
| 1398   | GO:0003944| 1     | 0.997981986  | 0     | 1     |       |       |       |       |
| 1399   | GO:0003945| 1     | 0.990002302  | 0     | 5     |       |       |       |       |
| 1400   | GO:0003947| 1     | 0.99799462   | 0     | 1     |       |       |       |       |
| 1401   | GO:0003948| 1     | 0.997980071  | 0     | 1     |       |       |       |       |
| 1402   | GO:0003950| 1     | 0.950976738  | 0     | 25    |       |       |       |       |
| 1403   | GO:0003951| 1     | 0.968504061  | 0     | 16    |       |       |       |       |
| 1404   | GO:0003952| 1     | 0.997985749  | 0     | 1     |       |       |       |       |
| 1405   | GO:0003953| 1     | 0.972296546  | 0     | 14    |       |       |       |       |
| 1406   | GO:0003954| 1     | 0.97388786   | 0     | 13    |       |       |       |       |
| 1407   | GO:0003955| 1     | 0.993962448  | 0     | 3     |       |       |       |       |
| 1408   | GO:0003956| 1     | 0.993922529  | 0     | 3     |       |       |       |       |
| 1409   | GO:0003957| 1     | 0.998011963  | 0     | 1     |       |       |       |       |
| 1410   | GO:0003958| 1     | 0.994009791  | 0     | 3     |       |       |       |       |
| ID   | GO Term      | Value | P value | Count |
|------|--------------|-------|---------|-------|
| 1456 | GO:0004033   | 1     | 0.977955286 | 11    |
| 1457 | GO:0004034   | 1     | 0.997986375 | 1     |
| 1458 | GO:0004035   | 1     | 0.995984251 | 2     |
| 1459 | GO:0004040   | 1     | 0.995951767 | 2     |
| 1460 | GO:0004042   | 1     | 0.997979809 | 1     |
| 1461 | GO:0004043   | 1     | 0.998002542 | 1     |
| 1462 | GO:0004044   | 1     | 0.998004859 | 1     |
| 1463 | GO:0004045   | 1     | 0.991917883 | 4     |
| 1464 | GO:0004046   | 1     | 0.987926835 | 6     |
| 1465 | GO:0004047   | 1     | 0.995953763 | 2     |
| 1466 | GO:0004051   | 1     | 0.995949306 | 2     |
| 1467 | GO:0004052   | 1     | 0.991972127 | 4     |
| 1468 | GO:0004053   | 1     | 0.997978287 | 1     |
| 1469 | GO:0004055   | 1     | 0.997975673 | 1     |
| 1470 | GO:0004056   | 1     | 0.997978487 | 1     |
| 1471 | GO:0004057   | 1     | 0.997982115 | 1     |
| 1472 | GO:0004058   | 1     | 0.997978943 | 1     |
| 1473 | GO:0004059   | 1     | 0.997969289 | 1     |
| 1474 | GO:0004060   | 1     | 0.993926613 | 3     |
| 1475 | GO:0004061   | 1     | 0.997973416 | 1     |
| 1476 | GO:0004062   | 1     | 0.983886453 | 8     |
| 1477 | GO:0004063   | 1     | 0.995942509 | 2     |
| 1478 | GO:0004064   | 1     | 0.987899875 | 6     |
| 1479 | GO:0004065   | 1     | 0.972307327 | 14    |
| 1480 | GO:0004066   | 1     | 0.995974059 | 2     |
| 1481 | GO:0004067   | 1     | 0.995964896 | 2     |
| 1482 | GO:0004068   | 1     | 0.995997587 | 2     |
| 1483 | GO:0004069   | 1     | 0.995970589 | 2     |
| 1484 | GO:0004070   | 1     | 0.998013437 | 1     |
| 1485 | GO:0004074   | 1     | 0.995923309 | 2     |
| 1486 | GO:0004075   | 1     | 0.997987359 | 1     |
| 1487 | GO:0004077   | 1     | 0.998013437 | 1     |
| 1488 | GO:0004078   | 1     | 0.998013437 | 1     |
| 1489 | GO:0004079   | 1     | 0.998013437 | 1     |
| 1490 | GO:0004080   | 1     | 0.998013437 | 1     |
| 1491 | GO:0004081   | 1     | 0.995954612 | 2     |
| 1492 | GO:0004082   | 1     | 0.991905896 | 4     |
| 1493 | GO:0004083   | 1     | 0.997990564 | 1     |
| 1494 | GO:0004084   | 1     | 0.995989427 | 2     |
| 1495 | GO:0004085   | 1     | 0.995992972 | 2     |
| 1496 | GO:0004087   | 1     | 0.998013437 | 1     |
| 1497 | GO:0004088   | 1     | 0.996030731 | 2     |
| 1498 | GO:0004089   | 1     | 0.974075635 | 13    |
| 1499 | GO:0004090   | 1     | 0.989636361 | 5     |
| 1500 | GO:0004092   | 1     | 0.997991641 | 1     |
| GO:0004095 | 1 | 0.992007031 | 0 | 4 |
| GO:0004096 | 1 | 0.989973124 | 0 | 5 |
| GO:0004098 | 1 | 0.997976994 | 0 | 1 |
| GO:0004103 | 1 | 0.995965947 | 0 | 2 |
| GO:0004104 | 1 | 0.995981469 | 0 | 1 |
| GO:0004105 | 1 | 0.995988715 | 0 | 2 |
| GO:0004108 | 1 | 0.987932202 | 0 | 6 |
| GO:0004111 | 1 | 0.960307311 | 0 | 2 |
| GO:0004112 | 1 | 0.998013218 | 0 | 1 |
| GO:0004113 | 1 | 0.958863431 | 0 | 21 |
| GO:0004115 | 1 | 0.970514792 | 0 | 15 |
| GO:0004117 | 1 | 0.993982997 | 0 | 3 |
| GO:0004123 | 1 | 0.99602607 | 0 | 2 |
| GO:0004124 | 1 | 0.99598273 | 0 | 2 |
| GO:0004126 | 1 | 0.977957735 | 0 | 11 |
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| GO:0004132 | 1 | 0.997979109 | 0 | 1 |
| GO:0004133 | 1 | 0.998013437 | 0 | 1 |
| GO:0004134 | 1 | 0.998013437 | 0 | 1 |
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| GO:0004141 | 1 | 0.993976848 | 0 | 3 |
| GO:0004142 | 1 | 0.980247754 | 0 | 10 |
| GO:0004143 | 1 | 0.993970415 | 0 | 3 |
| GO:0004144 | 1 | 0.993946641 | 0 | 3 |
| GO:0004145 | 1 | 0.996001221 | 0 | 2 |
| GO:0004146 | 1 | 0.998002843 | 0 | 1 |
| GO:0004147 | 1 | 0.997972599 | 0 | 1 |
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| GO:0004175 | 0.93585742 | 7 |
| GO:0004176 | 0.986027566 | 1 |
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| GO:0004180 | 0.950995884 | 25 |
| GO:0004181 | 0.989969143 | 5 |
| GO:0004185 | 0.958498677 | 21 |
| GO:0004186 | 0.970268427 | 15 |
| GO:0004187 | 0.831331453 | 92 |
| GO:0004188 | 0.781317985 | 122 |
| GO:0004189 | 0.973838711 | 13 |
| GO:0004190 | 0.97997191 | 10 |
| GO:0004191 | 0.989936403 | 5 |
| GO:0004192 | 0.966045182 | 17 |
| GO:0004193 | 0.997974904 | 1 |
| GO:0004194 | 0.991981611 | 4 |
| GO:0004195 | 0.997976212 | 1 |
| GO:0004196 | 0.99394687 | 3 |
| GO:0004197 | 0.993966343 | 3 |
| GO:0004198 | 0.990026352 | 5 |
| GO:0004199 | 0.997980382 | 1 |
| GO:0004200 | 0.995989766 | 2 |
| GO:0004201 | 0.995995107 | 2 |
| GO:0004202 | 0.998013437 | 1 |
| GO:0004203 | 0.995995107 | 2 |
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| GO:0004206 | 0.996007903 | 2 |
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| GO:0004208 | 0.9919591 | 4 |
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| GO:0004211 | 0.998013437 | 1 |
| GO:0004212 | 0.997986485 | 1 |
| GO:0004213 | 0.996008463 | 2 |
| GO:0004214 | 0.990029311 | 5 |
| GO:0004215 | 0.993940721 | 3 |
| GO:0004216 | 0.99795078 | 1 |
| GO:0004217 | 0.997969048 | 1 |
| ID  | GO:0004335 | 1 | 0.995968237 | 0 | 2 |
|-----|-------------|---|-------------|---|---|
| ID  | GO:0004336 | 1 | 0.997992987 | 0 | 1 |
| ID  | GO:0004337 | 1 | 0.995965062 | 0 | 2 |
| ID  | GO:0004339 | 1 | 0.996007903 | 0 | 2 |
| ID  | GO:0004340 | 1 | 0.992034495 | 0 | 4 |
| ID  | GO:0004341 | 1 | 0.99797739  | 0 | 1 |
| ID  | GO:0004342 | 1 | 0.995964628 | 0 | 2 |
| ID  | GO:0004343 | 1 | 0.998006846 | 0 | 1 |
| ID  | GO:0004345 | 1 | 0.996001468 | 0 | 2 |
| ID  | GO:0004346 | 1 | 0.997971026 | 0 | 2 |
| ID  | GO:0004347 | 1 | 0.997980055 | 0 | 1 |
| ID  | GO:0004348 | 1 | 0.995992346 | 0 | 2 |
| ID  | GO:0004349 | 1 | 0.998001306 | 0 | 1 |
| ID  | GO:0004350 | 1 | 0.998001306 | 0 | 1 |
| ID  | GO:0004351 | 1 | 0.997984584 | 0 | 1 |
| ID  | GO:0004352 | 1 | 0.995989342 | 0 | 2 |
| ID  | GO:0004353 | 1 | 0.995989342 | 0 | 2 |
| ID  | GO:0004354 | 1 | 0.995989342 | 0 | 2 |
| ID  | GO:0004356 | 1 | 0.996027652 | 0 | 2 |
| ID  | GO:0004357 | 1 | 0.996004042 | 0 | 2 |
| ID  | GO:0004359 | 1 | 0.993996587 | 0 | 3 |
| ID  | GO:0004360 | 1 | 0.996012088 | 0 | 2 |
| ID  | GO:0004361 | 1 | 0.997973681 | 0 | 1 |
| ID  | GO:0004362 | 1 | 0.997982996 | 0 | 1 |
| ID  | GO:0004363 | 1 | 0.997977044 | 0 | 1 |
| ID  | GO:0004364 | 1 | 0.95039636  | 0 | 25|
| ID  | GO:0004365 | 1 | 0.997966382 | 0 | 1 |
| ID  | GO:0004366 | 1 | 0.992009974 | 0 | 4 |
| ID  | GO:0004367 | 1 | 0.996003077 | 0 | 2 |
| ID  | GO:0004368 | 1 | 0.996009811 | 0 | 2 |
| ID  | GO:0004370 | 1 | 0.996020987 | 0 | 2 |
| ID  | GO:0004371 | 1 | 0.997990564 | 0 | 1 |
| ID  | GO:0004372 | 1 | 0.995972487 | 0 | 2 |
| ID  | GO:0004373 | 1 | 0.993997058 | 0 | 3 |
| ID  | GO:0004375 | 1 | 0.998005759 | 0 | 1 |
| ID  | GO:0004376 | 1 | 0.993988326 | 0 | 3 |
| ID  | GO:0004377 | 1 | 0.997987172 | 0 | 1 |
| ID  | GO:0004378 | 1 | 0.997992925 | 0 | 1 |
| ID  | GO:0004379 | 1 | 0.9960294  | 0 | 2 |
| ID  | GO:0004382 | 1 | 0.982084832 | 0 | 9 |
| ID  | GO:0004383 | 1 | 0.9860718  | 0 | 7 |
| ID  | GO:0004385 | 1 | 0.982144148 | 0 | 9 |
| ID  | GO:0004392 | 1 | 0.995949002 | 0 | 2 |
| ID  | GO:0004394 | 1 | 0.998009034 | 0 | 1 |
| ID  | GO:0004395 | 1 | 0.997965466 | 0 | 1 |
| ID   | GO:          | Count | Number | Score   | Count | Number | Score   |
|------|--------------|-------|--------|---------|-------|--------|---------|
| 1638 | GO:0004396   | 1     | 0.992034495 | 0   | 4     |
| 1639 | GO:0004397   | 1     | 0.997996731  | 0   | 1     |
| 1640 | GO:0004398   | 1     | 0.99798523  | 0   | 1     |
| 1641 | GO:0004402   | 1     | 0.935880316 | 0   | 33    |
| 1642 | GO:0004407   | 1     | 0.962588881 | 0   | 19    |
| 1643 | GO:0004408   | 1     | 0.997983283 | 0   | 1     |
| 1644 | GO:0004411   | 1     | 0.99797399  | 0   | 1     |
| 1645 | GO:0004415   | 1     | 0.985977885 | 0   | 7     |
| 1646 | GO:0004416   | 1     | 0.993947628 | 0   | 3     |
| 1647 | GO:0004418   | 1     | 0.97969289  | 0   | 1     |
| 1648 | GO:0004419   | 1     | 0.97969926  | 0   | 1     |
| 1649 | GO:0004420   | 1     | 0.998011252 | 0   | 1     |
| 1650 | GO:0004421   | 1     | 0.95990578  | 0   | 2     |
| 1651 | GO:0004422   | 1     | 0.995949771 | 0   | 2     |
| 1652 | GO:0004423   | 1     | 0.998013437 | 0   | 1     |
| 1653 | GO:0004427   | 1     | 0.989913499 | 0   | 5     |
| 1654 | GO:0004430   | 1     | 0.992049638 | 0   | 4     |
| 1655 | GO:0004435   | 1     | 0.955057719 | 0   | 23    |
| 1656 | GO:0004438   | 1     | 0.966609909 | 0   | 17    |
| 1657 | GO:0004439   | 1     | 0.982171407 | 0   | 9     |
| 1658 | GO:0004441   | 1     | 0.97980112  | 0   | 1     |
| 1659 | GO:0004445   | 1     | 0.988057976 | 0   | 6     |
| 1660 | GO:0004446   | 1     | 0.997992012 | 0   | 1     |
| 1661 | GO:0004447   | 1     | 0.9690011076 | 0   | 2     |
| 1662 | GO:0004448   | 1     | 0.959562075 | 0   | 2     |
| 1663 | GO:0004449   | 1     | 0.9394331  | 0   | 3     |
| 1664 | GO:0004450   | 1     | 0.995962075 | 0   | 2     |
| 1665 | GO:0004452   | 1     | 0.997980805 | 0   | 1     |
| 1666 | GO:0004454   | 1     | 0.99798534  | 0   | 1     |
| 1667 | GO:0004457   | 1     | 0.997980071 | 0   | 1     |
| 1668 | GO:0004458   | 1     | 0.997979224 | 0   | 1     |
| 1669 | GO:0004459   | 1     | 0.991921317 | 0   | 4     |
| 1670 | GO:0004461   | 1     | 0.995993512 | 0   | 2     |
| 1671 | GO:0004462   | 1     | 0.997979348 | 0   | 1     |
| 1672 | GO:0004463   | 1     | 0.997979825 | 0   | 1     |
| 1673 | GO:0004464   | 1     | 0.989829158 | 0   | 5     |
| 1674 | GO:0004465   | 1     | 0.993978781 | 0   | 3     |
| 1675 | GO:0004466   | 1     | 0.991983753 | 0   | 4     |
| 1676 | GO:0004467   | 1     | 0.976202889 | 0   | 12    |
| 1677 | GO:0004468   | 1     | 0.992039587 | 0   | 4     |
| 1678 | GO:0004470   | 1     | 0.991983081 | 0   | 4     |
| 1679 | GO:0004471   | 1     | 0.994005581 | 0   | 3     |
| 1680 | GO:0004473   | 1     | 0.994005581 | 0   | 3     |
| 1681 | GO:0004474   | 1     | 0.998013437 | 0   | 1     |
| 1682 | GO:0004475   | 1     | 0.997971774 | 0   | 1     |
| GO:0004476 | 1.000000 | 0 | 1 |
| GO:0004477 | 1.000000 | 0 | 3 |
| GO:0004478 | 1.000000 | 0 | 2 |
| GO:0004479 | 1.000000 | 0 | 1 |
| GO:0004482 | 1.000000 | 0 | 1 |
| GO:0004483 | 1.000000 | 0 | 2 |
| GO:0004484 | 1.000000 | 0 | 1 |
| GO:0004485 | 1.000000 | 0 | 2 |
| GO:0004486 | 1.000000 | 0 | 1 |
| GO:0004487 | 1.000000 | 0 | 3 |
| GO:0004488 | 1.000000 | 0 | 4 |
| GO:0004489 | 1.000000 | 0 | 1 |
| GO:0004490 | 1.000000 | 0 | 1 |
| GO:0004491 | 1.000000 | 0 | 1 |
| GO:0004492 | 1.000000 | 0 | 1 |
| GO:0004493 | 1.000000 | 0 | 1 |
| GO:0004494 | 1.000000 | 0 | 1 |
| GO:0004495 | 1.000000 | 0 | 1 |
| GO:0004496 | 1.000000 | 0 | 1 |
| GO:0004497 | 1.000000 | 0 | 81 |
| GO:0004498 | 1.000000 | 0 | 1 |
| GO:0004499 | 1.000000 | 0 | 5 |
| GO:0004500 | 1.000000 | 0 | 1 |
| GO:0004501 | 1.000000 | 0 | 1 |
| GO:0004502 | 1.000000 | 0 | 1 |
| GO:0004503 | 1.000000 | 0 | 2 |
| GO:0004504 | 1.000000 | 0 | 1 |
| GO:0004505 | 1.000000 | 0 | 2 |
| GO:0004506 | 1.000000 | 0 | 1 |
| GO:0004507 | 1.000000 | 0 | 1 |
| GO:0004508 | 1.000000 | 0 | 1 |
| GO:0004509 | 1.000000 | 0 | 1 |
| GO:0004510 | 1.000000 | 0 | 2 |
| GO:0004511 | 1.000000 | 0 | 1 |
| GO:0004512 | 1.000000 | 0 | 2 |
| GO:0004513 | 1.000000 | 0 | 2 |
| GO:0004514 | 1.000000 | 0 | 3 |
| GO:0004515 | 1.000000 | 0 | 4 |
| GO:0004516 | 1.000000 | 0 | 1 |
| GO:0004517 | 1.000000 | 0 | 3 |
| GO:0004518 | 1.000000 | 0 | 132 |
| GO:0004519 | 1.000000 | 0 | 84 |
| GO:0004520 | 1.000000 | 0 | 10 |
| GO:0004521 | 1.000000 | 0 | 33 |
| GO:0004522 | 1.000000 | 0 | 2 |
| GO:0004523 | 1.000000 | 0 | 6 |
| GO:0004524 | 1.000000 | 0 | 3 |
| GO:0004525 | 1.000000 | 0 | 11 |
| GO:0004526 | 1.000000 | 0 | 52 |
| GO:0004527 | 1.000000 | 0 | 6 |
| GO ID         | Count | Entropy | Sim | Rank |
|--------------|-------|---------|-----|------|
| GO:0004530   | 1     | 0.989977333 | 0   | 5    |
| GO:0004531   | 1     | 0.997978753  | 0   | 1    |
| GO:0004532   | 1     | 0.992001445  | 0   | 4    |
| GO:0004534   | 1     | 0.994039626  | 0   | 3    |
| GO:0004535   | 1     | 0.974294227  | 0   | 13   |
| GO:0004536   | 1     | 0.985924698  | 0   | 7    |
| GO:0004537   | 1     | 0.992042059  | 0   | 4    |
| GO:0004538   | 1     | 0.995964717  | 0   | 2    |
| GO:0004539   | 1     | 0.99799099   | 0   | 1    |
| GO:0004549   | 1     | 0.998005669  | 0   | 1    |
| GO:0004551   | 1     | 0.987988722  | 0   | 6    |
| GO:0004552   | 1     | 0.941530299  | 0   | 30   |
| GO:0004553   | 1     | 0.98004627   | 0   | 1    |
| GO:0004554   | 1     | 0.941054406  | 0   | 30   |
| GO:0004555   | 1     | 0.96204447   | 0   | 19   |
| GO:0004556   | 1     | 0.99763324   | 0   | 1    |
| GO:0004557   | 1     | 0.994037969  | 0   | 3    |
| GO:0004558   | 1     | 0.997983442  | 0   | 1    |
| GO:0004559   | 1     | 0.982058433  | 0   | 9    |
| GO:0004560   | 1     | 0.998003428  | 0   | 1    |
| GO:0004561   | 1     | 0.998004627  | 0   | 1    |
| GO:0004562   | 1     | 0.994037969  | 0   | 3    |
| GO:0004563   | 1     | 0.997983442  | 0   | 1    |
| GO:0004564   | 1     | 0.982058433  | 0   | 9    |
| GO:0004565   | 1     | 0.998003428  | 0   | 1    |
| GO:0004566   | 1     | 0.998004627  | 0   | 1    |
| GO:0004567   | 1     | 0.994037969  | 0   | 3    |
| GO:0004568   | 1     | 0.997983442  | 0   | 1    |
| GO:0004569   | 1     | 0.982058433  | 0   | 9    |
| GO:0004570   | 1     | 0.998003428  | 0   | 1    |
| GO:0004571   | 1     | 0.998004627  | 0   | 1    |
| GO:0004572   | 1     | 0.994037969  | 0   | 3    |
| GO:0004573   | 1     | 0.997983442  | 0   | 1    |
| GO:0004574   | 1     | 0.982058433  | 0   | 9    |
| GO:0004575   | 1     | 0.998003428  | 0   | 1    |
| GO:0004576   | 1     | 0.998004627  | 0   | 1    |
| GO:0004577   | 1     | 0.994037969  | 0   | 3    |
| GO:0004578   | 1     | 0.997983442  | 0   | 1    |
| GO:0004579   | 1     | 0.982058433  | 0   | 9    |
| GO:0004580   | 1     | 0.998003428  | 0   | 1    |
| GO:0004581   | 1     | 0.998004627  | 0   | 1    |
| GO:0004582   | 1     | 0.994037969  | 0   | 3    |
| GO:0004583   | 1     | 0.997983442  | 0   | 1    |
| GO:0004584   | 1     | 0.982058433  | 0   | 9    |
| GO:0004585   | 1     | 0.998003428  | 0   | 1    |
| GO:0004586   | 1     | 0.998004627  | 0   | 1    |
| GO:0004587   | 1     | 0.994037969  | 0   | 3    |
| GO:0004588   | 1     | 0.997983442  | 0   | 1    |
| GO:0004589   | 1     | 0.982058433  | 0   | 9    |
| GO:0004590   | 1     | 0.998003428  | 0   | 1    |
| GO:0004591   | 1     | 0.998004627  | 0   | 1    |
| GO:0004592   | 1     | 0.994037969  | 0   | 3    |
| GO:0004593   | 1     | 0.997983442  | 0   | 1    |
| GO:0004594   | 1     | 0.982058433  | 0   | 9    |
| GO:0004595   | 1     | 0.998003428  | 0   | 1    |
| GO:0004596   | 1     | 0.998004627  | 0   | 1    |
| GO:0004597   | 1     | 0.994037969  | 0   | 3    |
| GO:0004607 | 1 | 0.997967158 | 0 | 1 |
| GO:0004608 | 1 | 0.997960141 | 0 | 1 |
| GO:0004609 | 1 | 0.99597418  | 0 | 2 |
| GO:0004610 | 1 | 0.997978603 | 0 | 1 |
| GO:0004611 | 1 | 0.99798061  | 0 | 1 |
| GO:0004613 | 1 | 0.997978061 | 0 | 1 |
| GO:0004614 | 1 | 0.997978061 | 0 | 1 |
| GO:0004615 | 1 | 0.997978951 | 0 | 1 |
| GO:0004616 | 1 | 0.997978951 | 0 | 1 |
| GO:0004617 | 1 | 0.997978951 | 0 | 1 |
| GO:0004618 | 1 | 0.997985482 | 0 | 1 |
| GO:0004619 | 1 | 0.997983307 | 0 | 1 |
| GO:0004620 | 1 | 0.95474004  | 0 | 23 |
| GO:0004621 | 1 | 0.948930436 | 0 | 26 |
| GO:0004622 | 1 | 0.982193909 | 0 | 9  |
| GO:0004623 | 1 | 0.98991928  | 0 | 5  |
| GO:0004631 | 1 | 0.997966077 | 0 | 1  |
| GO:0004632 | 1 | 0.997965419 | 0 | 1  |
| GO:0004633 | 1 | 0.997982179 | 0 | 1  |
| GO:0004634 | 1 | 0.998000955 | 0 | 1  |
| GO:0004638 | 1 | 0.99799951  | 0 | 1  |
| GO:0004639 | 1 | 0.99799951  | 0 | 1  |
| GO:0004641 | 1 | 0.998000955 | 0 | 1  |
| GO:0004642 | 1 | 0.998013363 | 0 | 1  |
| GO:0004643 | 1 | 0.997980218 | 0 | 1  |
| GO:0004644 | 1 | 0.998000955 | 0 | 1  |
| GO:0004645 | 1 | 0.99002652  | 0 | 5  |
| GO:0004647 | 1 | 0.995963187 | 0 | 2  |
| GO:0004648 | 1 | 0.997980585 | 0 | 1  |
| GO:0004649 | 1 | 0.996004225 | 0 | 2  |
| GO:0004651 | 1 | 0.995987421 | 0 | 2  |
| GO:0004652 | 1 | 0.984097654 | 0 | 8  |
| GO:0004653 | 1 | 0.964571898 | 0 | 18 |
| GO:0004654 | 1 | 0.998011657 | 0 | 1  |
| GO:0004655 | 1 | 0.99799724  | 0 | 1  |
| GO:0004656 | 1 | 0.989967065 | 0 | 5  |
| GO:0004657 | 1 | 0.997982179 | 0 | 1  |
| GO:0004658 | 1 | 0.995965778 | 0 | 2  |
| GO:0004659 | 1 | 0.974167917 | 0 | 13 |
| GO:0004660 | 1 | 0.993965874 | 0 | 3  |
| GO:0004661 | 1 | 0.995965922 | 0 | 2  |
| GO:0004662 | 1 | 0.995965922 | 0 | 2  |
|   | GO:0004663 |   |   |  |   |  |
|---|------------|---|---|---|---|---|
| 1 | 1          | 0.991954251 | 0  | 4  |   |   |
| 1 | 1          | 0.996027991 | 0  | 2  |   |   |
| 1 | 1          | 0.995950925 | 0  | 2  |   |   |
| 1 | 1          | 0.992020464 | 0  | 4  |   |   |
| 1 | 1          | 0.998012424 | 0  | 1  |   |   |
| 1 | 1          | 0.366940106 | 0  | 495|   |   |
| 1 | 1          | 0.99795485  | 0  | 1  |   |   |
| 1 | 1          | 0.450993769 | 0  | 394|   |   |
| 1 | 1          | 0.978285987 | 0  | 11 |   |   |
| 1 | 1          | 0.998013437 | 0  | 1  |   |   |
| 1 | 1          | 0.994025763 | 0  | 4  |   |   |
| 1 | 1          | 0.988071106 | 0  | 6  |   |   |
| 1 | 1          | 0.962573746 | 0  | 19 |   |   |
| 1 | 1          | 0.998013437 | 0  | 1  |   |   |
| 1 | 1          | 0.994051874 | 0  | 3  |   |   |
| 1 | 1          | 0.992025763 | 0  | 4  |   |   |
| 1 | 1          | 0.988071106 | 0  | 6  |   |   |
| 1 | 1          | 0.962573746 | 0  | 19 |   |   |
| 1 | 1          | 0.45130916  | 0  | 28 |   |   |
| 1 | 1          | 0.992049464 | 0  | 4  |   |   |
| 1 | 1          | 0.968522547 | 0  | 16 |   |   |
| 1 | 1          | 0.970451723 | 0  | 15 |   |   |
| 1 | 1          | 0.996008448 | 0  | 2  |   |   |
| 1 | 1          | 0.987978387 | 0  | 6  |   |   |
| 1 | 1          | 0.988027426 | 0  | 6  |   |   |
| 1 | 1          | 0.93997621  | 0  | 3  |   |   |
| 1 | 1          | 0.984104621 | 0  | 8  |   |   |
| 1 | 1          | 0.972262131 | 0  | 14 |   |   |
| 1 | 1          | 0.964420982 | 0  | 18 |   |   |
| 1 | 1          | 0.956955104 | 0  | 22 |   |   |
| 1 | 1          | 0.986103529 | 0  | 7  |   |   |
| 1 | 1          | 0.945250873 | 0  | 28 |   |   |
| 1 | 1          | 0.784461729 | 0  | 121|   |   |
| 1 | 1          | 0.801886273 | 0  | 110|   |   |
| 1 | 1          | 0.913611694 | 0  | 45 |   |   |
| 1 | 1          | 0.994001287 | 0  | 3  |   |   |
| 1 | 1          | 0.990036017 | 0  | 5  |   |   |
| 1 | 1          | 0.75598435  | 0  | 139|   |   |
| 1 | 1          | 0.834236798 | 0  | 90 |   |   |
| 1 | 1          | 0.994022537 | 0  | 3  |   |   |
| 1 | 1          | 0.819556792 | 0  | 99 |   |   |
| 1 | 1          | 0.982075245 | 0  | 9  |   |   |
| 1 | 1          | 0.99594953  | 0  | 2  |   |   |
| 1 | 1          | 0.97974269  | 0  | 1  |   |   |
| 1 | 1          | 0.994000321 | 0  | 3  |   |   |
| ID   | GO:ID   | Value | P-value | Count | Max | Cumulative Count |
|------|---------|-------|---------|-------|-----|------------------|
| 1912 | GO:0004802 | 1     | 0.997980414 | 0 | 1 | 1 |
| 1913 | GO:0004803 | 1     | 0.994011168 | 0 | 3 | 3 |
| 1914 | GO:0004806 | 1     | 0.952832886 | 0 | 24 | 24 |
| 1915 | GO:0004807 | 1     | 0.97969123 | 0 | 1 | 1 |
| 1916 | GO:0004809 | 1     | 0.99362046 | 0 | 3 | 3 |
| 1917 | GO:0004810 | 1     | 0.97983092 | 0 | 1 | 1 |
| 1918 | GO:0004812 | 1     | 0.920737521 | 0 | 41 | 41 |
| 1919 | GO:0004813 | 1     | 0.99199401 | 0 | 4 | 4 |
| 1920 | GO:0004814 | 1     | 0.993962046 | 0 | 3 | 3 |
| 1921 | GO:0004815 | 1     | 0.997983092 | 0 | 1 | 1 |
| 1922 | GO:0004816 | 1     | 0.993961102 | 0 | 3 | 3 |
| 1923 | GO:0004817 | 1     | 0.995994231 | 0 | 2 | 2 |
| 1924 | GO:0004818 | 1     | 0.996001231 | 0 | 2 | 2 |
| 1925 | GO:0004819 | 1     | 0.9979685075 | 0 | 2 | 2 |
| 1926 | GO:0004820 | 1     | 0.997990564 | 0 | 1 | 1 |
| 1927 | GO:0004821 | 1     | 0.995981097 | 0 | 2 | 2 |
| 1928 | GO:0004822 | 1     | 0.995996976 | 0 | 2 | 2 |
| 1929 | GO:0004823 | 1     | 0.996003907 | 0 | 2 | 2 |
| 1930 | GO:0004824 | 1     | 0.997990564 | 0 | 1 | 1 |
| 1931 | GO:0004825 | 1     | 0.995989229 | 0 | 2 | 2 |
| 1932 | GO:0004826 | 1     | 0.991947649 | 0 | 4 | 4 |
| 1933 | GO:0004827 | 1     | 0.995978664 | 0 | 2 | 2 |
| 1934 | GO:0004828 | 1     | 0.995974348 | 0 | 2 | 2 |
| 1935 | GO:0004829 | 1     | 0.993977787 | 0 | 3 | 3 |
| 1936 | GO:0004830 | 1     | 0.995986095 | 0 | 2 | 2 |
| 1937 | GO:0004831 | 1     | 0.99597574 | 0 | 2 | 2 |
| 1938 | GO:0004832 | 1     | 0.99597881 | 0 | 2 | 2 |
| 1939 | GO:0004833 | 1     | 0.993940123 | 0 | 3 | 3 |
| 1940 | GO:0004835 | 1     | 0.998013147 | 0 | 1 | 1 |
| 1941 | GO:0004838 | 1     | 0.997990727 | 0 | 1 | 1 |
| 1942 | GO:0004839 | 1     | 0.994014001 | 0 | 3 | 3 |
| 1943 | GO:0004844 | 1     | 0.991942293 | 0 | 4 | 4 |
| 1944 | GO:0004849 | 1     | 0.99193781 | 0 | 4 | 4 |
| 1945 | GO:0004850 | 1     | 0.995964646 | 0 | 2 | 2 |
| 1946 | GO:0004852 | 1     | 0.997967215 | 0 | 1 | 1 |
| 1947 | GO:0004853 | 1     | 0.997967779 | 0 | 1 | 1 |
| 1948 | GO:0004854 | 1     | 0.998013436 | 0 | 1 | 1 |
| 1949 | GO:0004855 | 1     | 0.998013436 | 0 | 1 | 1 |
| 1950 | GO:0004856 | 1     | 0.998004233 | 0 | 1 | 1 |
| 1951 | GO:0004857 | 1     | 0.92804134 | 0 | 37 | 37 |
| 1952 | GO:0004859 | 1     | 0.985889402 | 0 | 7 | 7 |
| 1953 | GO:0004860 | 1     | 0.922567435 | 0 | 40 | 40 |
| 1954 | GO:0004861 | 1     | 0.976057156 | 0 | 12 | 12 |
| 1955 | GO:0004862 | 1     | 0.984009835 | 0 | 8 | 8 |
| 1956 | GO:0004864 | 1     | 0.922497677 | 0 | 40 | 40 |
| Year | GO ID      | Value   | Count | Distribution |
|------|------------|---------|-------|--------------|
| 1959 | GO:0004865 | 0.981905273 | 9     |              |
| 1960 | GO:0004866 | 0.929923875 | 36    |              |
| 1962 | GO:0004869 | 0.952593377 | 24    |              |
| 1963 | GO:0004873 | 0.995942418 | 2     |              |
| 1964 | GO:0004875 | 0.987964529 | 6     |              |
| 1965 | GO:0004876 | 0.997977802 | 1     |              |
| 1966 | GO:0004877 | 0.998013437 | 1     |              |
| 1967 | GO:0004878 | 0.995978601 | 2     |              |
| 1968 | GO:0004879 | 0.904586745 | 50    |              |
| 1969 | GO:0004883 | 0.998013437 | 1     |              |
| 1970 | GO:0004888 | 0.678670019 | 192   |              |
| 1971 | GO:0004890 | 0.974231094 | 13    |              |
| 1972 | GO:0004896 | 0.90419091  | 50    |              |
| 1973 | GO:0004897 | 0.994031195 | 3     |              |
| 1974 | GO:0004900 | 0.997976092 | 1     |              |
| 1975 | GO:0004903 | 0.998010412 | 1     |              |
| 1976 | GO:0004904 | 0.996008621 | 2     |              |
| 1977 | GO:0004905 | 0.99595648  | 2     |              |
| 1978 | GO:0004906 | 0.995966819 | 2     |              |
| 1979 | GO:0004908 | 0.988009194 | 6     |              |
| 1980 | GO:0004909 | 0.995994721 | 2     |              |
| 1981 | GO:0004910 | 0.997968602 | 1     |              |
| 1982 | GO:0004911 | 0.993988051 | 3     |              |
| 1983 | GO:0004912 | 0.995990225 | 2     |              |
| 1984 | GO:0004913 | 0.99595942  | 2     |              |
| 1985 | GO:0004914 | 0.995995432 | 2     |              |
| 1986 | GO:0004915 | 0.996010011 | 2     |              |
| 1987 | GO:0004917 | 0.995949858 | 2     |              |
| 1988 | GO:0004918 | 0.997990719 | 1     |              |
| 1989 | GO:0004919 | 0.997981211 | 1     |              |
| 1990 | GO:0004920 | 0.995986025 | 2     |              |
| 1991 | GO:0004921 | 0.993991629 | 3     |              |
| 1992 | GO:0004923 | 0.988048751 | 6     |              |
| 1993 | GO:0004924 | 0.988048751 | 6     |              |
| 1994 | GO:0004925 | 0.998013437 | 1     |              |
| 1995 | GO:0004930 | 0.464421221 | 376   |              |
| 1996 | GO:0004931 | 0.989952917 | 5     |              |
| 1997 | GO:0004935 | 0.986000723 | 7     |              |
| 1998 | GO:0004937 | 0.995968263 | 2     |              |
| 1999 | GO:0004938 | 0.993994068 | 3     |              |
| 2000 | GO:0004939 | 0.997992152 | 1     |              |
| 2001 | GO:0004940 | 0.997992152 | 1     |              |
| 2002 | GO:0004941 | 0.997979216 | 1     |              |
| 2003 | GO:0004945 | 0.995930701 | 2     |              |
| 2004 | GO:0004946 | 0.997967083 | 1     |              |
| Year | ID      | Count | OOB-Score | # OOB | Gap Width |
|------|---------|-------|-----------|-------|-----------|
| 2005 | GO:0004947 | 1     | 0.995979032 | 0     | 2         |
| 2006 | GO:0004948 | 1     | 0.99602014  | 0     | 2         |
| 2007 | GO:0004949 | 1     | 0.994005619 | 0     | 3         |
| 2008 | GO:0004950 | 1     | 0.972099496 | 0     | 14        |
| 2009 | GO:0004952 | 1     | 0.993952854 | 0     | 3         |
| 2010 | GO:0004955 | 1     | 0.991947464 | 0     | 4         |
| 2011 | GO:0004956 | 1     | 0.98963849  | 0     | 5         |
| 2012 | GO:0004957 | 1     | 0.998013356 | 0     | 1         |
| 2013 | GO:0004958 | 1     | 0.972099496 | 0     | 14        |
| 2014 | GO:0004960 | 1     | 0.997982988 | 0     | 1         |
| 2015 | GO:0004961 | 1     | 0.997982988 | 0     | 1         |
| 2016 | GO:0004962 | 1     | 0.996019502 | 0     | 2         |
| 2017 | GO:0004965 | 1     | 0.994044673 | 0     | 3         |
| 2018 | GO:0004966 | 1     | 0.995961004 | 0     | 2         |
| 2019 | GO:0004967 | 1     | 0.995956535 | 0     | 2         |
| 2020 | GO:0004968 | 1     | 0.996026925 | 0     | 2         |
| 2021 | GO:0004969 | 1     | 0.992020686 | 0     | 4         |
| 2022 | GO:0004970 | 1     | 0.978303602 | 0     | 11        |
| 2023 | GO:0004971 | 1     | 0.998013436 | 0     | 1         |
| 2024 | GO:0004972 | 1     | 0.986149219 | 0     | 7         |
| 2025 | GO:0004974 | 1     | 0.99395366  | 0     | 3         |
| 2026 | GO:0004977 | 1     | 0.99799581  | 0     | 1         |
| 2027 | GO:0004979 | 1     | 0.997976331 | 0     | 1         |
| 2028 | GO:0004980 | 1     | 0.99799581  | 0     | 1         |
| 2029 | GO:0004982 | 1     | 0.995948268 | 0     | 2         |
| 2030 | GO:0004983 | 1     | 0.98402359  | 0     | 8         |
| 2031 | GO:0004984 | 1     | 0.805118962 | 0     | 106       |
| 2032 | GO:0004985 | 1     | 0.983964747 | 0     | 8         |
| 2033 | GO:0004990 | 1     | 0.998010369 | 0     | 1         |
| 2034 | GO:0004991 | 1     | 0.997989952 | 0     | 1         |
| 2035 | GO:0004992 | 1     | 0.994003923 | 0     | 3         |
| 2036 | GO:0004993 | 1     | 0.970192061 | 0     | 15        |
| 2037 | GO:0004994 | 1     | 0.997993743 | 0     | 1         |
| 2038 | GO:0004995 | 1     | 0.995987453 | 0     | 2         |
| 2039 | GO:0004996 | 1     | 0.995975291 | 0     | 2         |
| 2040 | GO:0004998 | 1     | 0.9960099   | 0     | 2         |
| 2041 | GO:0004999 | 1     | 0.996002246 | 0     | 2         |
| 2042 | GO:0005000 | 1     | 0.98899811  | 0     | 5         |
| 2043 | GO:0005001 | 1     | 0.966671512 | 0     | 17        |
| 2044 | GO:0005003 | 1     | 0.974404315 | 0     | 13        |
| 2045 | GO:0005004 | 1     | 0.9900811   | 0     | 5         |
| 2046 | GO:0005005 | 1     | 0.970436935 | 0     | 15        |
| 2047 | GO:0005006 | 1     | 0.99598173  | 0     | 2         |
| 2048 | GO:0005007 | 1     | 0.990061538 | 0     | 5         |
| 2049 | GO:0005008 | 1     | 0.998013437 | 0     | 1         |
| GO:0005009 | 1 | 0.996030731 | 0 | 2 |
| GO:0005010 | 1 | 0.994051862 | 0 | 3 |
| GO:0005011 | 1 | 0.996023816 | 0 | 2 |
| GO:0005012 | 1 | 0.998013436 | 0 | 1 |
| GO:0005013 | 1 | 0.998013437 | 0 | 1 |
| GO:0005014 | 1 | 0.995987294 | 0 | 2 |
| GO:0005015 | 1 | 0.998013176 | 0 | 1 |
| GO:0005016 | 1 | 0.986139292 | 0 | 7 |
| GO:0005017 | 1 | 0.982213644 | 0 | 9 |
| GO:0005018 | 1 | 0.990719555 | 0 | 5 |
| GO:0005019 | 1 | 0.980012976 | 0 | 1 |
| GO:0005020 | 1 | 0.982011928 | 0 | 9 |
| GO:0005021 | 1 | 0.990071955 | 0 | 5 |
| GO:0005022 | 1 | 0.99801192 | 0 | 1 |
| GO:0005023 | 1 | 0.996009765 | 0 | 2 |
| GO:0005024 | 1 | 0.996003873 | 0 | 2 |
| GO:0005025 | 1 | 0.997996769 | 0 | 1 |
| GO:0005026 | 1 | 0.995978738 | 0 | 2 |
| GO:0005027 | 1 | 0.972406488 | 0 | 14 |
| GO:0005028 | 1 | 0.99007461 | 0 | 5 |
| GO:0005029 | 1 | 0.982011928 | 0 | 9 |
| GO:0005030 | 1 | 0.99803737 | 0 | 1 |
| GO:0005031 | 1 | 0.919182912 | 0 | 42 |
| GO:0005032 | 1 | 0.93396932 | 0 | 1 |
| GO:0005033 | 1 | 0.985992836 | 0 | 7 |
| GO:0005034 | 1 | 0.992002821 | 0 | 4 |
| GO:0005035 | 1 | 0.97259236 | 0 | 11 |
| GO:0005036 | 1 | 0.996003873 | 0 | 2 |
| GO:0005037 | 1 | 0.997969603 | 0 | 1 |
| GO:0005038 | 1 | 0.995952354 | 0 | 2 |
| GO:0005039 | 1 | 0.976185144 | 0 | 12 |
| GO:0005040 | 1 | 0.97826006 | 0 | 11 |
| GO:0005041 | 1 | 0.89904728 | 0 | 53 |
| GO:0005042 | 1 | 0.661031475 | 0 | 206 |
| GO:0005043 | 1 | 0.97423615 | 0 | 13 |
| GO:0005044 | 1 | 0.995974609 | 0 | 2 |
| GO:0005045 | 1 | 0.995944831 | 0 | 2 |
| GO:0005046 | 1 | 0.972267526 | 0 | 14 |
| GO:0005047 | 1 | 0.96835288 | 0 | 16 |
| GO:0005048 | 1 | 0.989932258 | 0 | 5 |
| GO:0005049 | 1 | 0.937651982 | 0 | 32 |
| GO:0005050 | 1 | 0.991926766 | 0 | 4 |
| GO:0005051 | 1 | 0.953076504 | 0 | 24 |
| GO:0005052 | 1 | 0.984026238 | 0 | 8 |
| GO:0005053 | 1 | 0.986079975 | 0 | 7 |
| GO:0005054 | 1 | 0.998013437 | 0 | 1 |
| GO:0005055 | 1 | 0.994031382 | 0 | 3 |
| GO:0005056 | 1 | 0.99789906 | 0 | 1 |
| GO:0005057 | 1 | 0.97021704 | 0 | 15 |
| ID   | GO:0005124 | 1   | 0.991933772 | 0   | 4   |
|------|------------|-----|--------------|-----|-----|
| ID   | GO:0005126 | 1   | 0.987844797 | 0   | 6   |
| ID   | GO:0005127 | 1   | 0.982058774 | 0   | 9   |
| ID   | GO:0005129 | 1   | 0.997955846 | 0   | 1   |
| ID   | GO:0005130 | 1   | 0.997970174 | 0   | 1   |
| ID   | GO:0005131 | 1   | 0.992041408 | 0   | 4   |
| ID   | GO:0005132 | 1   | 0.995930304 | 0   | 2   |
| ID   | GO:0005133 | 1   | 0.997989053 | 0   | 1   |
| ID   | GO:0005134 | 1   | 0.993973057 | 0   | 3   |
| ID   | GO:0005136 | 1   | 0.995974752 | 0   | 2   |
| ID   | GO:0005137 | 1   | 0.997981341 | 0   | 1   |
| ID   | GO:0005138 | 1   | 0.998003493 | 0   | 7   |
| ID   | GO:0005139 | 1   | 0.995970663 | 0   | 2   |
| ID   | GO:0005141 | 1   | 0.997972205 | 0   | 1   |
| ID   | GO:0005142 | 1   | 0.997984331 | 0   | 1   |
| ID   | GO:0005143 | 1   | 0.989989736 | 0   | 5   |
| ID   | GO:0005146 | 1   | 0.995983431 | 0   | 2   |
| ID   | GO:0005149 | 1   | 0.974200604 | 0   | 13  |
| ID   | GO:0005150 | 1   | 0.99598192  | 0   | 2   |
| ID   | GO:0005151 | 1   | 0.995992164 | 0   | 2   |
| ID   | GO:0005152 | 1   | 0.993990708 | 0   | 3   |
| ID   | GO:0005153 | 1   | 0.995985075 | 0   | 2   |
| ID   | GO:0005154 | 1   | 0.937740086 | 0   | 32  |
| ID   | GO:0005157 | 1   | 0.993942497 | 0   | 3   |
| ID   | GO:0005158 | 1   | 0.95895554  | 0   | 21  |
| ID   | GO:0005159 | 1   | 0.972259523 | 0   | 14  |
| ID   | GO:0005160 | 1   | 0.970301806 | 0   | 15  |
| ID   | GO:0005161 | 1   | 0.970475008 | 0   | 15  |
| ID   | GO:0005163 | 1   | 0.989924662 | 0   | 5   |
| ID   | GO:0005165 | 1   | 0.99765083  | 0   | 1   |
| ID   | GO:0005168 | 1   | 0.988108745 | 0   | 6   |
| ID   | GO:0005169 | 1   | 0.998013318 | 0   | 1   |
| ID   | GO:0005170 | 1   | 0.998013318 | 0   | 1   |
| ID   | GO:0005171 | 1   | 0.995962101 | 0   | 2   |
| ID   | GO:0005172 | 1   | 0.987981704 | 0   | 6   |
| ID   | GO:0005173 | 1   | 0.992073054 | 0   | 4   |
| ID   | GO:0005174 | 1   | 0.997983187 | 0   | 1   |
| ID   | GO:0005175 | 1   | 0.99753646  | 0   | 1   |
| ID   | GO:0005176 | 1   | 0.99197299  | 0   | 4   |
| ID   | GO:0005179 | 1   | 0.88191341  | 0   | 62  |
| ID   | GO:0005183 | 1   | 0.995925821 | 0   | 2   |
| ID   | GO:0005184 | 1   | 0.985861814 | 0   | 7   |
| ID   | GO:0005198 | 1   | 0.738696978 | 0   | 150 |
| ID   | GO:0005200 | 1   | 0.837561008 | 0   | 88  |
| ID   | GO:0005201 | 1   | 0.782930053 | 0   | 122 |
| GO          | Type | Value 1   | Score | Value 2 | Score |
|-------------|------|-----------|-------|---------|-------|
| GO:0005212  | 1    | 0.979916011 | 0.979916011 | 0 | 10 |
| GO:0005215  | 1    | 0.95486687 | 0.95486687 | 0 | 23 |
| GO:0005220  | 1    | 0.994051875 | 0.994051875 | 0 | 3 |
| GO:0005221  | 1    | 0.994010011 | 0.994010011 | 0 | 3 |
| GO:0005222  | 1    | 0.984124498 | 0.984124498 | 0 | 8 |
| GO:0005223  | 1    | 0.988037707 | 0.988037707 | 0 | 6 |
| GO:0005225  | 1    | 0.990084089 | 0.990084089 | 0 | 5 |
| GO:0005227  | 1    | 0.976304301 | 0.976304301 | 0 | 12 |
| GO:0005228  | 1    | 0.996029659 | 0.996029659 | 0 | 2 |
| GO:0005229  | 1    | 0.97237582 | 0.97237582 | 0 | 14 |
| GO:0005230  | 1    | 0.930069528 | 0.930069528 | 0 | 36 |
| GO:0005231  | 1    | 0.998008787 | 0.998008787 | 0 | 1 |
| GO:0005233  | 1    | 0.998012012 | 0.998012012 | 0 | 1 |
| GO:0005237  | 1    | 0.986070775 | 0.986070775 | 0 | 7 |
| GO:0005242  | 1    | 0.97227784 | 0.97227784 | 0 | 14 |
| GO:0005243  | 1    | 0.962388115 | 0.962388115 | 0 | 19 |
| GO:0005244  | 1    | 0.785761135 | 0.785761135 | 0 | 120 |
| GO:0005245  | 1    | 0.936045975 | 0.936045975 | 0 | 33 |
| GO:0005246  | 1    | 0.948992864 | 0.948992864 | 0 | 26 |
| GO:0005247  | 1    | 0.978207774 | 0.978207774 | 0 | 11 |
| GO:0005248  | 1    | 0.962836703 | 0.962836703 | 0 | 19 |
| GO:0005249  | 1    | 0.900972121 | 0.900972121 | 0 | 52 |
| GO:0005250  | 1    | 0.992023417 | 0.992023417 | 0 | 4 |
| GO:0005251  | 1    | 0.947293514 | 0.947293514 | 0 | 27 |
| GO:0005252  | 1    | 0.998007319 | 0.998007319 | 0 | 1 |
| GO:0005253  | 1    | 0.992021182 | 0.992021182 | 0 | 4 |
| GO:0005254  | 1    | 0.884643872 | 0.884643872 | 0 | 61 |
| GO:0005260  | 1    | 0.998013437 | 0.998013437 | 0 | 1 |
| GO:0005261  | 1    | 0.910264802 | 0.910264802 | 0 | 47 |
| GO:0005267  | 1    | 0.87940265 | 0.87940265 | 0 | 64 |
| GO:0005272  | 1    | 0.945529062 | 0.945529062 | 0 | 28 |
| GO:0005275  | 1    | 0.997978153 | 0.997978153 | 0 | 1 |
| GO:0005277  | 1    | 0.997976127 | 0.997976127 | 0 | 1 |
| GO:0005280  | 1    | 0.994019034 | 0.994019034 | 0 | 3 |
| GO:0005283  | 1    | 0.996015026 | 0.996015026 | 0 | 2 |
| GO:0005289  | 1    | 0.997984536 | 0.997984536 | 0 | 1 |
| GO:0005290  | 1    | 0.98999955 | 0.98999955 | 0 | 5 |
| GO:0005292  | 1    | 0.997984536 | 0.997984536 | 0 | 1 |
| GO:0005295  | 1    | 0.996029942 | 0.996029942 | 0 | 2 |
| GO:0005298  | 1    | 0.996027581 | 0.996027581 | 0 | 2 |
| GO:0005302  | 1    | 0.997996731 | 0.997996731 | 0 | 1 |
| GO:0005308  | 1    | 0.994007548 | 0.994007548 | 0 | 3 |
| GO:0005309  | 1    | 0.998002264 | 0.998002264 | 0 | 1 |
| GO:0005310  | 1    | 0.995988851 | 0.995988851 | 0 | 2 |
| GO:0005313  | 1    | 0.978177749 | 0.978177749 | 0 | 11 |
| ID   | Object ID     | GO:ID     | Count | P-Value | q-Value | Adjusted Count | Adjusted P-Value | Adjusted Q-Value |
|------|---------------|-----------|-------|---------|----------|----------------|-----------------|-----------------|
| 2193 | GO:0005314    |           | 1     | 0.992019095 | 0.992019095 | 4             |                 |                 |
| 2194 | GO:0005315    |           | 1     | 0.990022327 | 0.990022327 | 5             |                 |                 |
| 2195 | GO:0005316    |           | 1     | 0.997998701 | 0.997998701 | 1             |                 |                 |
| 2196 | GO:0005319    |           | 1     | 0.951179944 | 0.951179944 | 25            |                 |                 |
| 2197 | GO:0005324    |           | 1     | 0.972184841 | 0.972184841 | 14            |                 |                 |
| 2198 | GO:0005326    |           | 1     | 0.972269882 | 0.972269882 | 14            |                 |                 |
| 2199 | GO:0005328    |           | 1     | 0.97799739  | 0.97799739  | 1             |                 |                 |
| 2200 | GO:0005330    |           | 1     | 0.994001056 | 0.994001056 | 3             |                 |                 |
| 2201 | GO:0005332    |           | 1     | 0.99199354  | 0.99199354  | 4             |                 |                 |
| 2202 | GO:0005334    |           | 1     | 0.995979822 | 0.995979822 | 2             |                 |                 |
| 2203 | GO:0005335    |           | 1     | 0.996007371 | 0.996007371 | 2             |                 |                 |
| 2204 | GO:0005337    |           | 1     | 0.985976791 | 0.985976791 | 7             |                 |                 |
| 2205 | GO:0005338    |           | 1     | 0.995960442 | 0.995960442 | 2             |                 |                 |
| 2206 | GO:0005342    |           | 1     | 0.997992732 | 0.997992732 | 1             |                 |                 |
| 2207 | GO:0005343    |           | 1     | 0.997998802 | 0.997998802 | 1             |                 |                 |
| 2208 | GO:0005344    |           | 1     | 0.981836089 | 0.981836089 | 9             |                 |                 |
| 2209 | GO:0005345    |           | 1     | 0.993959725 | 0.993959725 | 3             |                 |                 |
| 2210 | GO:0005347    |           | 1     | 0.98602094  | 0.98602094  | 7             |                 |                 |
| 2211 | GO:0005351    |           | 1     | 0.993996841 | 0.993996841 | 3             |                 |                 |
| 2212 | GO:0005353    |           | 1     | 0.993962196 | 0.993962196 | 3             |                 |                 |
| 2213 | GO:0005354    |           | 1     | 0.998012716 | 0.998012716 | 1             |                 |                 |
| 2214 | GO:0005355    |           | 1     | 0.976125668 | 0.976125668 | 12            |                 |                 |
| 2215 | GO:0005362    |           | 1     | 0.997983203 | 0.997983203 | 1             |                 |                 |
| 2216 | GO:0005365    |           | 1     | 0.996030731 | 0.996030731 | 2             |                 |                 |
| 2217 | GO:0005366    |           | 1     | 0.998013437 | 0.998013437 | 1             |                 |                 |
| 2218 | GO:0005367    |           | 1     | 0.996030012 | 0.996030012 | 2             |                 |                 |
| 2219 | GO:0005368    |           | 1     | 0.994020353 | 0.994020353 | 3             |                 |                 |
| 2220 | GO:0005369    |           | 1     | 0.998013437 | 0.998013437 | 1             |                 |                 |
| 2221 | GO:0005372    |           | 1     | 0.992044133 | 0.992044133 | 4             |                 |                 |
| 2222 | GO:0005375    |           | 1     | 0.990061829 | 0.990061829 | 5             |                 |                 |
| 2223 | GO:0005381    |           | 1     | 0.984060485 | 0.984060485 | 8             |                 |                 |
| 2224 | GO:0005384    |           | 1     | 0.986087036 | 0.986087036 | 7             |                 |                 |
| 2225 | GO:0005385    |           | 1     | 0.960559079 | 0.960559079 | 20            |                 |                 |
| 2226 | GO:0005388    |           | 1     | 0.982222591 | 0.982222591 | 9             |                 |                 |
| 2227 | GO:0005391    |           | 1     | 0.986043379 | 0.986043379 | 7             |                 |                 |
| 2228 | GO:0005412    |           | 1     | 0.988031283 | 0.988031283 | 6             |                 |                 |
| 2229 | GO:0005415    |           | 1     | 0.993959725 | 0.993959725 | 3             |                 |                 |
| 2230 | GO:0005427    |           | 1     | 0.996004867 | 0.996004867 | 2             |                 |                 |
| 2231 | GO:0005432    |           | 1     | 0.990052153 | 0.990052153 | 5             |                 |                 |
| 2232 | GO:0005436    |           | 1     | 0.988027847 | 0.988027847 | 6             |                 |                 |
| 2233 | GO:0005452    |           | 1     | 0.980238383 | 0.980238383 | 10            |                 |                 |
| 2234 | GO:0005456    |           | 1     | 0.997975457 | 0.997975457 | 1             |                 |                 |
| 2235 | GO:0005457    |           | 1     | 0.997997568 | 0.997997568 | 1             |                 |                 |
| 2236 | GO:0005459    |           | 1     | 0.991918498 | 0.991918498 | 4             |                 |                 |
| 2237 | GO:0005460    |           | 1     | 0.997964003 | 0.997964003 | 1             |                 |                 |
| GO       | Count | Value       | Count | Value       |
|----------|-------|-------------|-------|-------------|
| GO:0005461 | 1     | 0.995989633 | 0     | 2           |
| GO:0005462 | 1     | 0.992003772 | 0     | 4           |
| GO:0005463 | 1     | 0.995989633 | 0     | 2           |
| GO:0005464 | 1     | 0.998013437 | 0     | 1           |
| GO:0005471 | 1     | 0.991954059 | 0     | 4           |
| GO:0005472 | 1     | 0.929976347 | 0     | 36          |
| GO:0005477 | 1     | 0.998002224 | 0     | 29          |
| GO:0005483 | 1     | 0.993998598 | 0     | 3           |
| GO:0005484 | 1     | 0.998007349 | 0     | 1           |
| GO:0005485 | 1     | 0.991999657 | 0     | 4           |
| GO:0005486 | 1     | 0.991986187 | 0     | 4           |
| GO:0005487 | 1     | 0.958343861 | 0     | 21          |
| GO:0005488 | 1     | 0.898384428 | 0     | 53          |
| GO:0005489 | 1     | 0.972241642 | 0     | 14          |
| GO:0005490 | 1     | 0.879456098 | 0     | 64          |
| GO:0005491 | 1     | 0.998004739 | 0     | 1           |
| GO:0005492 | 1     | 0.958545481 | 0     | 21          |
| GO:0005493 | 1     | 0.980167556 | 0     | 10          |
| GO:0005494 | 1     | 0.972138324 | 0     | 14          |
| GO:0005495 | 1     | 0.997965409 | 0     | 1           |
| GO:0005496 | 1     | 0.98001099  | 0     | 10          |
| GO:0005497 | 1     | 0.991957028 | 0     | 4           |
| GO:0005498 | 1     | 0.980131878 | 0     | 10          |
| GO:0005499 | 1     | 0.964311114 | 0     | 18          |
| GO:0005500 | 1     | 0.947269492 | 0     | 27          |
| GO:0005501 | 1     | 0.970400927 | 0     | 15          |
| GO:0005502 | 1     | 0.977974618 | 0     | 11          |
| GO:0005503 | 1     | 0.809466944 | 0     | 105         |
| GO:0005504 | 1     | 0.904275857 | 0     | 50          |
| GO:0005505 | 1     | 0.972427639 | 0     | 14          |
| GO:0005506 | 1     | 0.856527912 | 0     | 77          |
| GO:0005507 | 1     | 0.928565864 | 0     | 37          |
| GO:0005508 | 1     | 0.978248693 | 0     | 11          |
| GO:0005509 | 1     | 0.946329448 | 0     | 27          |
| GO:0005510 | 1     | 0.990036414 | 0     | 5           |
| GO:0005511 | 1     | 0.990011573 | 0     | 5           |
| GO:0005512 | 1     | 0.856765088 | 0     | 77          |
| GO:0005513 | 1     | 0.998013412 | 0     | 1           |
| ID  | GO ID       | Count |valor   | Random | Count |
|-----|-------------|-------|---------|--------|-------|
| 2292| GO:0005587  | 1     | 0.98813833 | 0      | 6     |
| 2293| GO:0005588  | 1     | 0.992076855 | 0     | 4     |
| 2294| GO:0005589  | 1     | 0.994004633 | 0     | 3     |
| 2295| GO:0005590  | 1     | 0.998013437 | 0     | 1     |
| 2296| GO:0005591  | 1     | 0.997988595 | 0     | 1     |
| 2297| GO:0005592  | 1     | 0.998013437 | 0     | 1     |
| 2298| GO:0005594  | 1     | 0.993991713 | 0     | 3     |
| 2299| GO:0005595  | 1     | 0.998013437 | 0     | 1     |
| 2300| GO:0005596  | 1     | 0.998013437 | 0     | 1     |
| 2301| GO:0005597  | 1     | 0.998013431 | 0     | 1     |
| 2302| GO:0005600  | 1     | 0.997995293 | 0     | 1     |
| 2303| GO:0005604  | 1     | 0.831595149 | 0     | 92    |
| 2304| GO:0005606  | 1     | 0.994051875 | 0     | 3     |
| 2305| GO:0005607  | 1     | 0.996030334 | 0     | 2     |
| 2306| GO:0005608  | 1     | 0.996030731 | 0     | 2     |
| 2307| GO:0005610  | 1     | 0.994046729 | 0     | 3     |
| 2308| GO:0005614  | 1     | 0.978244902 | 0     | 11    |
| 2310| GO:0005622  | 1     | 0.982043112 | 0     | 9     |
| 2314| GO:0005638  | 1     | 0.991948385 | 0     | 4     |
| 2315| GO:0005639  | 1     | 0.97423234  | 0     | 13    |
| 2317| GO:0005641  | 1     | 0.982108392 | 0     | 9     |
| 2318| GO:0005642  | 1     | 0.988067353 | 0     | 6     |
| 2320| GO:0005652  | 1     | 0.982059535 | 0     | 9     |
| 2322| GO:0005655  | 1     | 0.989919868 | 0     | 5     |
| 2323| GO:0005656  | 1     | 0.995965435 | 0     | 2     |
| 2324| GO:0005657  | 1     | 0.945272943 | 0     | 28    |
| 2325| GO:0005658  | 1     | 0.98998804  | 0     | 5     |
| 2326| GO:0005662  | 1     | 0.974119284 | 0     | 13    |
| 2327| GO:0005663  | 1     | 0.989952687 | 0     | 5     |
| 2328| GO:0005664  | 1     | 0.982062939 | 0     | 9     |
| 2329| GO:0005665  | 1     | 0.971985636 | 0     | 14    |
| 2330| GO:0005666  | 1     | 0.964246134 | 0     | 18    |
| 2331| GO:0005667  | 1     | 0.681665312 | 0     | 190   |
| 2332| GO:0005668  | 1     | 0.995953157 | 0     | 2     |
| 2333| GO:0005669  | 1     | 0.935575756 | 0     | 33    |
| 2334| GO:0005671  | 1     | 0.968353972 | 0     | 16    |
| 2335| GO:0005672  | 1     | 0.989929562 | 0     | 5     |
| 2336| GO:0005673  | 1     | 0.9959694   | 0     | 2     |
| 2337| GO:0005674  | 1     | 0.995960552 | 0     | 2     |
| 2338| GO:0005675  | 1     | 0.97605891  | 0     | 12    |
| 2339| GO:0005677  | 1     | 0.982095391 | 0     | 9     |
| 2340| GO:0005680  | 1     | 0.95462332  | 0     | 23    |
| 2341| GO:0005681  | 1     | 0.717434473 | 0     | 164   |
| 2342| GO:0005682  | 1     | 0.966202321 | 0     | 17    |
| 2343| GO:0005683  | 1     | 0.985837538 | 0     | 7     |
| GO:0005784 | 1 | 0.989915422 | 0 | 5 |
| GO:0005785 | 1 | 0.991939682 | 0 | 4 |
| GO:0005786 | 1 | 0.98792741 | 0 | 6 |
| GO:0005787 | 1 | 0.989268333 | 0 | 5 |
| GO:0005788 | 1 | 0.57478781 | 0 | 274 |
| GO:0005789 | 1 | 0.88956311 | 0 | 58 |
| GO:0005790 | 1 | 0.854790287 | 0 | 78 |
| GO:0005791 | 1 | 0.928370988 | 0 | 37 |
| GO:0005792 | 1 | 0.863320471 | 0 | 73 |
| GO:0005793 | 1 | 0.980030468 | 0 | 10 |
| GO:0005794 | 1 | 0.86364805 | 0 | 60 |
| GO:0005795 | 1 | 0.701478171 | 0 | 176 |
| GO:0005796 | 1 | 0.351288453 | 0 | 515 |
| GO:0005797 | 1 | 0.755970716 | 0 | 139 |
| GO:0005798 | 1 | 0.446472852 | 0 | 398 |
| GO:0005799 | 1 | 0.998013437 | 0 | 1 |
| GO:0005800 | 1 | 0.642809237 | 0 | 219 |
| GO:0005801 | 1 | 0.992011888 | 0 | 4 |
| GO:0005802 | 1 | 0.990035776 | 0 | 5 |
| GO:0005803 | 1 | 0.986114202 | 0 | 7 |
| GO:0005804 | 1 | 0.981987429 | 0 | 9 |
| GO:0005805 | 1 | 0.987815269 | 0 | 6 |
| GO:0005806 | 1 | 0.941305011 | 0 | 30 |
| GO:0005807 | 1 | 0.975987739 | 0 | 12 |
| GO:0005808 | 1 | 0.9620318 | 0 | 19 |
| GO:0005809 | 1 | 0.667031216 | 0 | 198 |
| GO:0005810 | 1 | 0.920798344 | 0 | 41 |
| GO:0005811 | 1 | 0.978195867 | 0 | 11 |
| GO:0005812 | 1 | 0.993995783 | 0 | 3 |
| GO:0005813 | 1 | 0.96443016 | 0 | 18 |
| GO:0005814 | 1 | 0.96200318 | 0 | 19 |
| GO:0005815 | 1 | 0.980030468 | 0 | 10 |
| GO:0005816 | 1 | 0.88956311 | 0 | 58 |
| GO:0005817 | 1 | 0.854790287 | 0 | 78 |
| GO:0005818 | 1 | 0.928370988 | 0 | 37 |
| GO:0005819 | 1 | 0.863320471 | 0 | 73 |
| GO:0005820 | 1 | 0.980030468 | 0 | 10 |
| GO:0005821 | 1 | 0.86364805 | 0 | 60 |
| GO:0005822 | 1 | 0.701478171 | 0 | 176 |
| GO:0005823 | 1 | 0.351288453 | 0 | 515 |
| GO:0005824 | 1 | 0.755970716 | 0 | 139 |
| GO:0005825 | 1 | 0.446472852 | 0 | 398 |
| GO:0005826 | 1 | 0.998013437 | 0 | 1 |
| GO:0005827 | 1 | 0.642809237 | 0 | 219 |
| GO:0005828 | 1 | 0.992011888 | 0 | 4 |
| GO:0005829 | 1 | 0.990035776 | 0 | 5 |
| GO:0005830 | 1 | 0.986114202 | 0 | 7 |
| GO:0005831 | 1 | 0.981987429 | 0 | 9 |
| GO:0005832 | 1 | 0.987815269 | 0 | 6 |
| GO:0005833 | 1 | 0.941305011 | 0 | 30 |
| GO:0005834 | 1 | 0.975987739 | 0 | 12 |
| GO:0005835 | 1 | 0.96200318 | 0 | 19 |
| GO:0005836 | 1 | 0.667031216 | 0 | 198 |
| GO:0005837 | 1 | 0.920798344 | 0 | 41 |
| GO:0005838 | 1 | 0.978195867 | 0 | 11 |
| GO:0005839 | 1 | 0.993995783 | 0 | 3 |
| GO:0005840 | 1 | 0.96443016 | 0 | 18 |
| GO:0005841 | 1 | 0.96200318 | 0 | 19 |
| GO:0005842 | 1 | 0.980030468 | 0 | 10 |
| GO:0005843 | 1 | 0.88956311 | 0 | 58 |
| GO:0005844 | 1 | 0.854790287 | 0 | 78 |
| GO:0005845 | 1 | 0.928370988 | 0 | 37 |
| GO:0005846 | 1 | 0.863320471 | 0 | 73 |
| GO:0005847 | 1 | 0.980030468 | 0 | 10 |
| GO:0005848 | 1 | 0.88956311 | 0 | 58 |
| GO:0005849 | 1 | 0.854790287 | 0 | 78 |
| GO:0005850 | 1 | 0.928370988 | 0 | 37 |
| GO:0005851 | 1 | 0.863320471 | 0 | 73 |
| GO:0005852 | 1 | 0.980030468 | 0 | 10 |
| GO:0005853 | 1 | 0.88956311 | 0 | 58 |
| GO:0005854 | 1 | 0.854790287 | 0 | 78 |
| GO:0005855 | 1 | 0.928370988 | 0 | 37 |
| GO:0005856 | 1 | 0.863320471 | 0 | 73 |
| GO:0005857 | 1 | 0.980030468 | 0 | 10 |
| GO:0005858 | 1 | 0.88956311 | 0 | 58 |
| GO:0005859 | 1 | 0.854790287 | 0 | 78 |
| GO:0005860 | 1 | 0.928370988 | 0 | 37 |
| GO:0005861 | 1 | 0.863320471 | 0 | 73 |
| GO:0005862 | 1 | 0.980030468 | 0 | 10 |
| GO:0005863 | 1 | 0.88956311 | 0 | 58 |
| GO:0005864 | 1 | 0.854790287 | 0 | 78 |
| GO:0005865 | 1 | 0.928370988 | 0 | 37 |
| GO:0005866 | 1 | 0.863320471 | 0 | 73 |
| GO:0005867 | 1 | 0.980030468 | 0 | 10 |
| GO      | Description | Count | Unique Count |
|---------|-------------|-------|--------------|
| GO:0005869 |             | 1     | 11           |
| GO:0005871 |             | 1     | 48           |
| GO:0005873 |             | 1     | 3            |
| GO:0005874 |             | 1     | 341          |
| GO:0005875 |             | 1     | 36           |
| GO:0005876 |             | 1     | 42           |
| GO:0005879 |             | 1     | 8            |
| GO:0005880 |             | 1     | 2            |
| GO:0005881 |             | 1     | 58           |
| GO:0005882 |             | 1     | 93           |
| GO:0005883 |             | 1     | 11           |
| GO:0005884 |             | 1     | 82           |
| GO:0005885 |             | 1     | 10           |
| GO:0005886 |             | 1     | 1            |
| GO:0005887 |             | 1     | 11           |
| GO:0005888 |             | 1     | 24           |
| GO:0005889 |             | 1     | 82           |
| GO:0005890 |             | 1     | 93           |
| GO:0005891 |             | 1     | 24           |
| GO:0005892 |             | 1     | 13           |
| GO:0005893 |             | 1     | 2            |
| GO:0005894 |             | 1     | 1            |
| GO:0005895 |             | 1     | 177          |
| GO:0005896 |             | 1     | 3            |
| GO:0005897 |             | 1     | 162          |
| GO:0005898 |             | 1     | 1            |
| GO:0005899 |             | 1     | 3            |
| GO:0005900 |             | 1     | 2            |
| GO:0005901 |             | 1     | 66           |
| GO:0005902 |             | 1     | 61           |
| GO:0005903 |             | 1     | 55           |
| GO:0005904 |             | 1     | 66           |
| GO:0005905 |             | 1     | 177          |
| GO:0005906 |             | 1     | 162          |
| GO:0005907 |             | 1     | 1            |
| GO:0005908 |             | 1     | 3            |
| GO:0005909 |             | 1     | 2            |
| GO:0005910 |             | 1     | 366          |
| GO:0005911 |             | 1     | 177          |
| GO:0005912 |             | 1     | 162          |
| GO:0005913 |             | 1     | 1            |
| GO:0005914 |             | 1     | 3            |
| GO:0005915 |             | 1     | 9            |
| GO:0005916 |             | 1     | 9            |
| GO:0005917 |             | 1     | 1            |
| GO:0005918 |             | 1     | 29           |
| GO:0005919 |             | 1     | 18           |
| GO:0005920 |             | 1     | 411          |
| GO:0005921 |             | 1     | 2            |
| GO:0005922 |             | 1     | 3            |
| GO:0005923 |             | 1     | 14           |
| GO:0005924 |             | 1     | 102          |
| GO:0005925 |             | 1     | 165          |
| GO:0005926 |             | 1     | 14           |
| GO:0005927 |             | 1     | 20           |
| GO:0005928 |             | 1     | 3            |
| GO:0005929 |             | 1     | 3            |
| GO:0005930 |             | 1     | 3            |
| GO:0005931 |             | 1     | 3            |
| ID     | GO:000000000 | Count | Score | Rank | Value |
|--------|--------------|-------|-------|------|-------|
| 2498   | GO:0005947   | 1     | 0.991981425 | 0 | 4 |
| 2499   | GO:0005948   | 1     | 0.99793585 | 0 | 1 |
| 2500   | GO:0005952   | 1     | 0.98405469 | 0 | 8 |
| 2501   | GO:0005953   | 1     | 0.995965922 | 0 | 2 |
| 2502   | GO:0005954   | 1     | 0.992057873 | 0 | 4 |
| 2503   | GO:0005955   | 1     | 0.990037422 | 0 | 5 |
| 2504   | GO:0005956   | 1     | 0.989912058 | 0 | 5 |
| 2505   | GO:0005958   | 1     | 0.992008315 | 0 | 4 |
| 2506   | GO:0005960   | 1     | 0.995979678 | 0 | 2 |
| 2507   | GO:0005964   | 1     | 0.990054666 | 0 | 5 |
| 2508   | GO:0005965   | 1     | 0.993965874 | 0 | 3 |
| 2509   | GO:0005967   | 1     | 0.990015049 | 0 | 5 |
| 2510   | GO:0005968   | 1     | 0.991995704 | 0 | 4 |
| 2511   | GO:0005969   | 1     | 0.998013437 | 0 | 1 |
| 2512   | GO:0005971   | 1     | 0.996001074 | 0 | 2 |
| 2513   | GO:0005975   | 1     | 0.638433309 | 0 | 222 |
| 2514   | GO:0005976   | 1     | 0.995977545 | 0 | 2 |
| 2515   | GO:0005977   | 1     | 0.930308478 | 0 | 36 |
| 2516   | GO:0005978   | 1     | 0.958684101 | 0 | 21 |
| 2517   | GO:0005979   | 1     | 0.978180698 | 0 | 11 |
| 2518   | GO:0005980   | 1     | 0.970444807 | 0 | 15 |
| 2519   | GO:0005981   | 1     | 0.992019904 | 0 | 4 |
| 2520   | GO:0005983   | 1     | 0.998013437 | 0 | 1 |
| 2521   | GO:0005984   | 1     | 0.997981777 | 0 | 1 |
| 2522   | GO:0005985   | 1     | 0.998003076 | 0 | 1 |
| 2523   | GO:0005986   | 1     | 0.99594082 | 0 | 2 |
| 2524   | GO:0005989   | 1     | 0.996017128 | 0 | 2 |
| 2525   | GO:0005991   | 1     | 0.997976297 | 0 | 1 |
| 2526   | GO:0005993   | 1     | 0.997976297 | 0 | 1 |
| 2527   | GO:0005996   | 1     | 0.995962615 | 0 | 2 |
| 2528   | GO:0005997   | 1     | 0.995965115 | 0 | 2 |
| 2529   | GO:0005998   | 1     | 0.998004233 | 0 | 1 |
| 2530   | GO:0005999   | 1     | 0.995949495 | 0 | 2 |
| 2531   | GO:0006000   | 1     | 0.980028143 | 0 | 10 |
| 2532   | GO:0006002   | 1     | 0.980089128 | 0 | 10 |
| 2533   | GO:0006003   | 1     | 0.990029311 | 0 | 5 |
| 2534   | GO:0006004   | 1     | 0.986020439 | 0 | 7 |
| 2535   | GO:0006006   | 1     | 0.89706451 | 0 | 54 |
| 2536   | GO:0006007   | 1     | 0.994000329 | 0 | 3 |
| 2537   | GO:0006011   | 1     | 0.995951817 | 0 | 2 |
| 2538   | GO:0006012   | 1     | 0.982018038 | 0 | 9 |
| 2539   | GO:0006013   | 1     | 0.984097472 | 0 | 8 |
| 2540   | GO:0006014   | 1     | 0.995944058 | 0 | 2 |
| 2541   | GO:0006015   | 1     | 0.989960805 | 0 | 5 |
| 2542   | GO:0006020   | 1     | 0.986080418 | 0 | 7 |
| ID     | GO ID         | Value | P-value | Count |
|--------|---------------|-------|---------|-------|
| 2543   | GO:0006021    | 0.99396501 | 0       | 3     |
| 2544   | GO:0006024    | 0.932159393 | 0       | 35    |
| 2545   | GO:0006027    | 0.952993506 | 0       | 24    |
| 2546   | GO:0006029    | 0.98799883  | 0       | 6     |
| 2547   | GO:0006032    | 0.989948438 | 0       | 3     |
| 2548   | GO:0006041    | 0.995989386 | 0       | 2     |
| 2549   | GO:0006043    | 0.995964628 | 0       | 2     |
| 2550   | GO:0006044    | 0.966376305 | 0       | 17    |
| 2551   | GO:0006045    | 0.99602255  | 0       | 2     |
| 2552   | GO:0006046    | 0.99348438  | 0       | 3     |
| 2553   | GO:0006047    | 0.98602568  | 0       | 7     |
| 2554   | GO:0006048    | 0.978071226 | 0       | 11    |
| 2555   | GO:0006049    | 0.99793157  | 0       | 1     |
| 2556   | GO:0006051    | 0.995944712 | 0       | 2     |
| 2557   | GO:0006054    | 0.992034187 | 0       | 4     |
| 2558   | GO:0006055    | 0.99764968  | 0       | 1     |
| 2559   | GO:0006060    | 0.997987078 | 0       | 1     |
| 2560   | GO:0006061    | 0.997968061 | 0       | 1     |
| 2561   | GO:0006062    | 0.997987078 | 0       | 1     |
| 2562   | GO:0006065    | 0.994003501 | 0       | 3     |
| 2563   | GO:0006066    | 0.987937336 | 0       | 6     |
| 2564   | GO:0006067    | 0.997978287 | 0       | 1     |
| 2565   | GO:0006068    | 0.975994849 | 0       | 12    |
| 2566   | GO:0006069    | 0.976082979 | 0       | 12    |
| 2567   | GO:0006071    | 0.981995734 | 0       | 9     |
| 2568   | GO:0006072    | 0.986093875 | 0       | 7     |
| 2569   | GO:0006081    | 0.979999297 | 0       | 10    |
| 2570   | GO:0006082    | 0.958474727 | 0       | 21    |
| 2571   | GO:0006084    | 0.988063959 | 0       | 6     |
| 2572   | GO:0006085    | 0.988003864 | 0       | 6     |
| 2573   | GO:0006086    | 0.992007253 | 0       | 4     |
| 2574   | GO:0006089    | 0.990020067 | 0       | 5     |
| 2575   | GO:0006090    | 0.958564192 | 0       | 21    |
| 2576   | GO:0006091    | 0.920669171 | 0       | 41    |
| 2577   | GO:0006094    | 0.924172729 | 0       | 39    |
| 2578   | GO:0006096    | 0.937508076 | 0       | 32    |
| 2579   | GO:0006097    | 0.995962075 | 0       | 2     |
| 2580   | GO:0006098    | 0.976044065 | 0       | 12    |
| 2581   | GO:0006099    | 0.935617243 | 0       | 33    |
| 2582   | GO:0006101    | 0.990049923 | 0       | 5     |
| 2583   | GO:0006102    | 0.987939624 | 0       | 6     |
| 2584   | GO:0006103    | 0.964390309 | 0       | 18    |
| 2585   | GO:0006104    | 0.989979545 | 0       | 5     |
| 2586   | GO:0006105    | 0.987976892 | 0       | 6     |
| 2587   | GO:0006106    | 0.997975078 | 0       | 1     |
| GO:0006107 | 1 | 0.983947851 | 0 | 8 |
| GO:0006108 | 1 | 0.985967973 | 0 | 7 |
| GO:0006109 | 1 | 0.998013437 | 0 | 1 |
| GO:0006110 | 1 | 0.91911587 | 0 | 42 |
| GO:0006111 | 1 | 0.968365809 | 0 | 16 |
| GO:0006112 | 1 | 0.978158568 | 0 | 11 |
| GO:0006113 | 1 | 0.991980114 | 0 | 4 |
| GO:0006114 | 1 | 0.968365809 | 0 | 16 |
| GO:0006115 | 1 | 0.978158568 | 0 | 11 |
| GO:0006116 | 1 | 0.991980114 | 0 | 4 |
| GO:0006117 | 1 | 0.948469985 | 0 | 26 |
| GO:0006118 | 1 | 0.904967695 | 0 | 49 |
| GO:0006119 | 1 | 0.991930636 | 0 | 4 |
| GO:0006120 | 1 | 0.973988508 | 0 | 13 |
| GO:0006121 | 1 | 0.964073424 | 0 | 18 |
| GO:0006122 | 1 | 0.99397697 | 0 | 3 |
| GO:0006123 | 1 | 0.996009811 | 0 | 2 |
| GO:0006124 | 1 | 0.997996294 | 0 | 1 |
| GO:0006125 | 1 | 0.998013378 | 0 | 1 |
| GO:0006126 | 1 | 0.996002625 | 0 | 2 |
| GO:0006127 | 1 | 0.991985922 | 0 | 4 |
| GO:0006128 | 1 | 0.997970558 | 0 | 1 |
| GO:0006129 | 1 | 0.960471612 | 0 | 20 |
| GO:0006130 | 1 | 0.987396593 | 0 | 6 |
| GO:0006131 | 1 | 0.99134614 | 0 | 4 |
| GO:0006132 | 1 | 0.995927396 | 0 | 2 |
| GO:0006133 | 1 | 0.99592769 | 0 | 2 |
| GO:0006134 | 1 | 0.982234844 | 0 | 9 |
| GO:0006135 | 1 | 0.989987967 | 0 | 5 |
| GO:0006136 | 1 | 0.998001337 | 0 | 1 |
| GO:0006137 | 1 | 0.997990564 | 0 | 1 |
| GO:0006138 | 1 | 0.997970558 | 0 | 1 |
| GO:0006139 | 1 | 0.993958218 | 0 | 3 |
| GO:0006140 | 1 | 0.997968322 | 0 | 1 |
| GO:0006141 | 1 | 0.984047341 | 0 | 8 |
| GO:0006142 | 1 | 0.977867452 | 0 | 11 |
| GO:0006143 | 1 | 0.997960081 | 0 | 1 |
| GO:0006144 | 1 | 0.997990564 | 0 | 1 |
| GO:0006145 | 1 | 0.994012009 | 0 | 3 |
| GO:0006146 | 1 | 0.988027195 | 0 | 6 |
| GO:0006147 | 1 | 0.99796226 | 0 | 1 |
| GO:0006148 | 1 | 0.995927396 | 0 | 2 |
| GO:0006149 | 1 | 0.997968322 | 0 | 1 |
| GO:0006150 | 1 | 0.984047341 | 0 | 8 |
| GO:0006151 | 1 | 0.977867452 | 0 | 11 |
| GO ID   | GO Term            | Count | P-value   | Total Count |
|---------|--------------------|-------|-----------|-------------|
| GO:0006206 | 1                  | 1     | 0.993953602 | 3           |
| GO:0006207 | 1                  | 1     | 0.988059751 | 6           |
| GO:0006208 | 1                  | 1     | 0.99598094  | 2           |
| GO:0006210 | 1                  | 1     | 0.993970499 | 3           |
| GO:0006211 | 1                  | 1     | 0.994051875 | 3           |
| GO:0006212 | 1                  | 1     | 0.99598094  | 2           |
| GO:0006213 | 1                  | 1     | 0.994051875 | 3           |
| GO:0006214 | 1                  | 1     | 0.993931649 | 3           |
| GO:0006215 | 1                  | 1     | 0.997996294 | 0           |
| GO:0006216 | 1                  | 1     | 0.99598094  | 2           |
| GO:0006217 | 1                  | 1     | 0.99598094  | 2           |
| GO:0006218 | 1                  | 1     | 0.995964646 | 0           |
| GO:0006219 | 1                  | 1     | 0.989986423 | 5           |
| GO:0006220 | 1                  | 1     | 0.991968116 | 4           |
| GO:0006221 | 1                  | 1     | 0.99594528  | 2           |
| GO:0006222 | 1                  | 1     | 0.979880297 | 0           |
| GO:0006223 | 1                  | 1     | 0.995954528 | 2           |
| GO:0006224 | 1                  | 1     | 0.97790412  | 11          |
| GO:0006225 | 1                  | 1     | 0.991955992 | 0           |
| GO:0006226 | 1                  | 1     | 0.987936205 | 0           |
| GO:0006227 | 1                  | 1     | 0.997962564 | 0           |
| GO:0006228 | 1                  | 1     | 0.998013437 | 0           |
| GO:0006229 | 1                  | 1     | 0.99601066  | 0           |
| GO:0006230 | 1                  | 1     | 0.997966837 | 0           |
| GO:0006231 | 1                  | 1     | 0.943260868 | 0           |
| GO:0006232 | 1                  | 1     | 0.728783626 | 0           |
| GO:0006233 | 1                  | 1     | 0.950895884 | 0           |
| GO:0006234 | 1                  | 1     | 0.982060976 | 0           |
| GO:0006235 | 1                  | 1     | 0.98211465  | 0           |
| GO:0006236 | 1                  | 1     | 0.986025541 | 0           |
| GO:0006237 | 1                  | 1     | 0.984074098 | 0           |
| GO:0006238 | 1                  | 1     | 0.96839901  | 0           |
| GO:0006239 | 1                  | 1     | 0.988001921 | 0           |
| GO:0006240 | 1                  | 1     | 0.920728644 | 0           |
| GO:0006241 | 1                  | 1     | 0.974171536 | 0           |
| GO:0006242 | 1                  | 1     | 0.992001186 | 0           |
| GO:0006243 | 1                  | 1     | 0.994021287 | 0           |
| GO:0006244 | 1                  | 1     | 0.954884648 | 0           |
| GO:0006245 | 1                  | 1     | 0.994015837 | 0           |
| GO:0006246 | 1                  | 1     | 0.447988194 | 0           |
| GO:0006247 | 1                  | 1     | 0.980082095 | 0           |
| GO:0006248 | 1                  | 1     | 0.864518429 | 0           |
| GO:0006249 | 1                  | 1     | 0.939390421 | 0           |
| GO:0006250 | 1                  | 1     | 0.989970176 | 0           |
| GO:0006251 | 1                  | 1     | 0.995939237 | 0           |
| GO:0006252 | 1                  | 1     | 0.931761278 | 0           |
| GO:0006253 | 1                  | 1     | 0.993958136 | 0           |
| ID     | GO     | Fold Change | Log p-value | q-value | Count |
|--------|--------|-------------|-------------|---------|-------|
| 2686   | GO:0006289 | 1           | 0.924423027 | 0       | 39    |
| 2687   | GO:0006290 | 1           | 0.990017854 | 0       | 5     |
| 2688   | GO:0006293 | 1           | 0.958632262 | 0       | 21    |
| 2689   | GO:0006294 | 1           | 0.943156982 | 0       | 29    |
| 2690   | GO:0006295 | 1           | 0.958632262 | 0       | 21    |
| 2691   | GO:0006296 | 1           | 0.928075647 | 0       | 37    |
| 2692   | GO:0006297 | 1           | 0.954662858 | 0       | 23    |
| 2693   | GO:0006298 | 1           | 0.945234609 | 0       | 28    |
| 2694   | GO:0006301 | 1           | 0.978122121 | 0       | 11    |
| 2695   | GO:0006302 | 1           | 0.819343582 | 0       | 99    |
| 2696   | GO:0006303 | 1           | 0.873911841 | 0       | 67    |
| 2697   | GO:0006304 | 1           | 0.997972608 | 0       | 1     |
| 2698   | GO:0006306 | 1           | 0.951178361 | 0       | 25    |
| 2699   | GO:0006307 | 1           | 0.980018781 | 0       | 10    |
| 2700   | GO:0006308 | 1           | 0.985953923 | 0       | 7     |
| 2701   | GO:0006309 | 1           | 0.970292836 | 0       | 15    |
| 2702   | GO:0006310 | 1           | 0.819014817 | 0       | 99    |
| 2703   | GO:0006311 | 1           | 0.995988008 | 0       | 2     |
| 2704   | GO:0006312 | 1           | 0.988019968 | 0       | 6     |
| 2705   | GO:0006313 | 1           | 0.996002396 | 0       | 2     |
| 2706   | GO:0006323 | 1           | 0.993932919 | 0       | 3     |
| 2708   | GO:0006333 | 1           | 0.982086545 | 0       | 9     |
| 2709   | GO:0006334 | 1           | 0.829186538 | 0       | 93    |
| 2710   | GO:0006335 | 1           | 0.937624053 | 0       | 32    |
| 2711   | GO:0006336 | 1           | 0.949103628 | 0       | 26    |
| 2712   | GO:0006337 | 1           | 0.968388689 | 0       | 16    |
| 2713   | GO:0006338 | 1           | 0.821321175 | 0       | 98    |
| 2714   | GO:0006342 | 1           | 0.920797889 | 0       | 41    |
| 2715   | GO:0006346 | 1           | 0.988014082 | 0       | 6     |
| 2716   | GO:0006348 | 1           | 0.98207214  | 0       | 9     |
| 2717   | GO:0006349 | 1           | 0.974288451 | 0       | 13    |
| 2718   | GO:0006351 | 1           | 0.804405546 | 0       | 108   |
| 2719   | GO:0006352 | 1           | 0.922525683 | 0       | 40    |
| 2720   | GO:0006353 | 1           | 0.980120359 | 0       | 10    |
| 2721   | GO:0006354 | 1           | 0.99597738  | 0       | 2     |
| 2723   | GO:0006356 | 1           | 0.993941085 | 0       | 3     |
| 2725   | GO:0006359 | 1           | 0.984026443 | 0       | 8     |
| 2726   | GO:0006360 | 1           | 0.983999781 | 0       | 8     |
| 2727   | GO:0006361 | 1           | 0.935524207 | 0       | 33    |
| 2728   | GO:0006362 | 1           | 0.99200793  | 0       | 4     |
| 2729   | GO:0006363 | 1           | 0.939284446 | 0       | 31    |
| 2730   | GO:0006364 | 1           | 0.652271369 | 0       | 210   |
| 2731   | GO:0006366 | 1           | 0.700803844 | 0       | 176   |
| 2732   | GO:0006367 | 1           | 0.763253412 | 0       | 134   |
| 2733   | GO:0006368 | 1           | 0.875310234 | 0       | 66    |
| GO         | Count | E-value | PCC | ID Count |
|------------|-------|---------|-----|----------|
| GO:0006369 | 1     | 0.933767769 | 0   | 34       |
| GO:0006370 | 1     | 0.937375761  | 0   | 32       |
| GO:0006376 | 1     | 0.956788554  | 0   | 22       |
| GO:0006378 | 1     | 0.947228711  | 0   | 27       |
| GO:0006379 | 1     | 0.98400836   | 0   | 8        |
| GO:0006382 | 1     | 0.9906018    | 0   | 5        |
| GO:0006383 | 1     | 0.9463982    | 0   | 23       |
| GO:0006384 | 1     | 0.96047013   | 0   | 7        |
| GO:0006386 | 1     | 0.97956149   | 0   | 1        |
| GO:0006388 | 1     | 0.97085736   | 0   | 15       |
| GO:0006390 | 1     | 0.98063146   | 0   | 10       |
| GO:0006391 | 1     | 0.991947845  | 0   | 4        |
| GO:0006392 | 1     | 0.997990564  | 0   | 1        |
| GO:0006393 | 1     | 0.995985075  | 0   | 2        |
| GO:0006396 | 1     | 0.822592826  | 0   | 97       |
| GO:0006398 | 1     | 0.99007152   | 0   | 5        |
| GO:0006399 | 1     | 0.995961922  | 0   | 2        |
| GO:0006400 | 1     | 0.933748282  | 0   | 34       |
| GO:0006402 | 1     | 0.941446245  | 0   | 30       |
| GO:0006403 | 1     | 0.994009354  | 0   | 3        |
| GO:0006404 | 1     | 0.998013437  | 0   | 1        |
| GO:0006405 | 1     | 0.897006367  | 0   | 54       |
| GO:0006406 | 1     | 0.816037845  | 0   | 101      |
| GO:0006407 | 1     | 0.995984749  | 0   | 2        |
| GO:0006408 | 1     | 0.995958443  | 0   | 2        |
| GO:0006409 | 1     | 0.93404878   | 0   | 34       |
| GO:0006412 | 1     | 0.536704116  | 0   | 305      |
| GO:0006413 | 1     | 0.74581397   | 0   | 144      |
| GO:0006414 | 1     | 0.943141185  | 0   | 29       |
| GO:0006415 | 1     | 0.982059585  | 0   | 9        |
| GO:0006417 | 1     | 0.746799693  | 0   | 145      |
| GO:0006418 | 1     | 0.916929376  | 0   | 43       |
| GO:0006419 | 1     | 0.99199401   | 0   | 4        |
| GO:0006420 | 1     | 0.993961102  | 0   | 3        |
| GO:0006421 | 1     | 0.995977641  | 0   | 2        |
| GO:0006422 | 1     | 0.997990564  | 0   | 1        |
| GO:0006423 | 1     | 0.995970989  | 0   | 2        |
| GO:0006424 | 1     | 0.996001231  | 0   | 2        |
| GO:0006425 | 1     | 0.995985075  | 0   | 2        |
| GO:0006426 | 1     | 0.997990564  | 0   | 1        |
| GO:0006427 | 1     | 0.995981097  | 0   | 2        |
| GO:0006428 | 1     | 0.995996976  | 0   | 2        |
| GO:0006429 | 1     | 0.996003907  | 0   | 2        |
| GO:0006430 | 1     | 0.997990564  | 0   | 1        |
| GO:0006431 | 1     | 0.995989229  | 0   | 2        |
| GO:0006432 | 1 | 0.993946791 | 0 | 3 |
| GO:0006433 | 1 | 0.995978664 | 0 | 2 |
| GO:0006434 | 1 | 0.995974348 | 0 | 2 |
| GO:0006435 | 1 | 0.993977787 | 0 | 3 |
| GO:0006436 | 1 | 0.99597574 | 0 | 2 |
| GO:0006437 | 1 | 0.995986095 | 0 | 2 |
| GO:0006438 | 1 | 0.995997881 | 0 | 2 |
| GO:0006446 | 1 | 0.94137107 | 0 | 30 |
| GO:0006448 | 1 | 0.99600531 | 0 | 2 |
| GO:0006449 | 1 | 0.986071172 | 0 | 7 |
| GO:0006450 | 1 | 0.987887741 | 0 | 6 |
| GO:0006457 | 1 | 0.726175329 | 0 | 158 |
| GO:0006458 | 1 | 0.99392091 | 0 | 3 |
| GO:0006464 | 1 | 0.307504603 | 0 | 581 |
| GO:0006465 | 1 | 0.978049721 | 0 | 11 |
| GO:0006468 | 1 | 0.982498145 | 0 | 15 |
| GO:0006469 | 1 | 0.990021335 | 0 | 5 |
| GO:0006470 | 1 | 0.939477467 | 0 | 31 |
| GO:0006471 | 1 | 0.997990564 | 0 | 1 |
| GO:0006473 | 1 | 0.995978664 | 0 | 2 |
| GO:0006474 | 1 | 0.980188846 | 0 | 10 |
| GO:0006475 | 1 | 0.90021335 | 0 | 5 |
| GO:0006476 | 1 | 0.995978348 | 0 | 2 |
| GO:0006477 | 1 | 0.984008876 | 0 | 8 |
| GO:0006478 | 1 | 0.97028808 | 0 | 15 |
| GO:0006479 | 1 | 0.99477467 | 0 | 31 |
| GO:0006480 | 1 | 0.99477467 | 0 | 31 |
| GO:0006481 | 1 | 0.995978664 | 0 | 2 |
| GO:0006482 | 1 | 0.980188846 | 0 | 10 |
| GO:0006486 | 1 | 0.939477467 | 0 | 31 |
| GO:0006487 | 1 | 0.99477467 | 0 | 31 |
| GO:0006488 | 1 | 0.99477467 | 0 | 31 |
| GO:0006489 | 1 | 0.99477467 | 0 | 31 |
| GO:0006490 | 1 | 0.99477467 | 0 | 31 |
| GO:0006491 | 1 | 0.99477467 | 0 | 31 |
| GO:0006492 | 1 | 0.99477467 | 0 | 31 |
| GO:0006493 | 1 | 0.99477467 | 0 | 31 |
| GO:0006494 | 1 | 0.99477467 | 0 | 31 |
| GO:0006495 | 1 | 0.99477467 | 0 | 31 |
| GO:0006496 | 1 | 0.99477467 | 0 | 31 |
| GO:0006497 | 1 | 0.99477467 | 0 | 31 |
| GO:0006498 | 1 | 0.99477467 | 0 | 31 |
| GO:0006499 | 1 | 0.99477467 | 0 | 31 |
| GO:0006500 | 1 | 0.99477467 | 0 | 31 |
| GO:0006501 | 1 | 0.99477467 | 0 | 31 |
| GO:0006502 | 1 | 0.99477467 | 0 | 31 |
| GO:0006503 | 1 | 0.99477467 | 0 | 31 |
| GO:0006504 | 1 | 0.99477467 | 0 | 31 |
| GO:0006505 | 1 | 0.99477467 | 0 | 31 |
| GO:0006506 | 1 | 0.99477467 | 0 | 31 |
| GO:0006507 | 1 | 0.99477467 | 0 | 31 |
| GO:0006508 | 1 | 0.99477467 | 0 | 31 |
| GO:0006509 | 1 | 0.99477467 | 0 | 31 |
| GO:0006510 | 1 | 0.99477467 | 0 | 31 |
| 2827 | GO:0006515 | 1 | 0.974282784 | 0 | 13 |
| 2828 | GO:0006516 | 1 | 0.974136954 | 0 | 13 |
| 2829 | GO:0006517 | 1 | 0.984062231 | 0 | 8 |
| 2830 | GO:0006518 | 1 | 0.976210989 | 0 | 12 |
| 2831 | GO:0006520 | 1 | 0.939321655 | 0 | 31 |
| 2832 | GO:0006521 | 1 | 0.90340201 | 0 | 50 |
| 2833 | GO:0006525 | 1 | 0.993945948 | 0 | 3 |
| 2834 | GO:0006526 | 1 | 0.988011312 | 0 | 6 |
| 2835 | GO:0006528 | 1 | 0.97965639 | 0 | 1 |
| 2836 | GO:0006529 | 1 | 0.970259052 | 0 | 15 |
| 2837 | GO:0006531 | 1 | 0.990031182 | 0 | 5 |
| 2838 | GO:0006532 | 1 | 0.992003947 | 0 | 4 |
| 2839 | GO:0006534 | 1 | 0.999772053 | 0 | 1 |
| 2840 | GO:0006535 | 1 | 0.98991603 | 0 | 6 |
| 2841 | GO:0006537 | 1 | 0.987984618 | 0 | 6 |
| 2842 | GO:0006538 | 1 | 0.991986237 | 0 | 4 |
| 2843 | GO:0006539 | 1 | 0.991989448 | 0 | 2 |
| 2844 | GO:0006540 | 1 | 0.987946194 | 0 | 5 |
| 2845 | GO:0006541 | 1 | 0.997972053 | 0 | 1 |
| 2846 | GO:0006542 | 1 | 0.987961999 | 0 | 6 |
| 2847 | GO:0006543 | 1 | 0.991952369 | 0 | 4 |
| 2848 | GO:0006544 | 1 | 0.98791603 | 0 | 6 |
| 2849 | GO:0006545 | 1 | 0.987984618 | 0 | 6 |
| 2850 | GO:0006546 | 1 | 0.987946194 | 0 | 5 |
| 2851 | GO:0006547 | 1 | 0.997972053 | 0 | 1 |
| 2852 | GO:0006548 | 1 | 0.987984618 | 0 | 6 |
| 2853 | GO:0006549 | 1 | 0.987984618 | 0 | 6 |
| 2854 | GO:0006550 | 1 | 0.987946194 | 0 | 5 |
| 2855 | GO:0006551 | 1 | 0.987984618 | 0 | 1 |
| 2856 | GO:0006552 | 1 | 0.987946223 | 0 | 4 |
| 2857 | GO:0006553 | 1 | 0.997984618 | 0 | 6 |
| 2858 | GO:0006554 | 1 | 0.997984618 | 0 | 6 |
| 2859 | GO:0006555 | 1 | 0.976161553 | 0 | 12 |
| 2860 | GO:0006556 | 1 | 0.987951823 | 0 | 6 |
| 2861 | GO:0006557 | 1 | 0.991986237 | 0 | 4 |
| 2862 | GO:0006558 | 1 | 0.991952369 | 0 | 4 |
| 2863 | GO:0006559 | 1 | 0.98791603 | 0 | 6 |
| 2864 | GO:0006560 | 1 | 0.995984286 | 0 | 2 |
| 2865 | GO:0006561 | 1 | 0.98595126 | 0 | 7 |
| 2866 | GO:0006562 | 1 | 0.991952369 | 0 | 4 |
| GO ID | Description | Value1 | Value2 | Value3 |
|-------|-------------|--------|--------|--------|
| GO:0006566 | 0.997978951 | 0 | 1 |
| GO:0006567 | 0.993923261 | 0 | 3 |
| GO:0006568 | 0.993972461 | 0 | 3 |
| GO:0006569 | 0.979808111 | 0 | 10 |
| GO:0006570 | 0.991938504 | 0 | 4 |
| GO:0006572 | 0.989923463 | 0 | 5 |
| GO:0006573 | 0.995976841 | 0 | 2 |
| GO:0006574 | 0.979905642 | 0 | 1 |
| GO:0006576 | 0.995999825 | 0 | 3 |
| GO:0006577 | 0.997986657 | 0 | 1 |
| GO:0006579 | 0.995986395 | 0 | 2 |
| GO:0006580 | 0.995986981 | 0 | 5 |
| GO:0006581 | 0.995990564 | 0 | 1 |
| GO:0006582 | 0.996002380 | 0 | 2 |
| GO:0006583 | 0.995967901 | 0 | 2 |
| GO:0006584 | 0.980024993 | 0 | 10 |
| GO:0006585 | 0.972367154 | 0 | 14 |
| GO:0006586 | 0.995964192 | 0 | 2 |
| GO:0006587 | 0.998001306 | 0 | 1 |
| GO:0006588 | 0.985039891 | 0 | 7 |
| GO:0006589 | 0.975993494 | 0 | 12 |
| GO:0006590 | 0.995975667 | 0 | 2 |
| GO:0006591 | 0.993927897 | 0 | 3 |
| GO:0006592 | 0.983921333 | 0 | 8 |
| GO:0006593 | 0.995952406 | 0 | 2 |
| GO:0006594 | 0.922653839 | 0 | 40 |
| GO:0006595 | 0.844853855 | 0 | 84 |
| GO:0006596 | 0.960802786 | 0 | 20 |
| GO:0006597 | 0.992008957 | 0 | 4 |
| GO:0006598 | 0.945325234 | 0 | 28 |
| GO:0006599 | 0.907873922 | 0 | 48 |
| GO:0006600 | 0.980038496 | 0 | 10 |
| GO:0006601 | 0.831858602 | 0 | 90 |
| GO:0006602 | 0.983987077 | 0 | 8 |
| GO:0006603 | 0.995944583 | 0 | 2 |
| GO:0006604 | 0.984070236 | 0 | 8 |
| GO:0006605 | 0.984019913 | 0 | 8 |
| GO:0006606 | 0.964583567 | 0 | 18 |
| GO:0006607 | 0.968421931 | 0 | 16 |
| GO:0006608 | 0.995940218 | 0 | 2 |
| GO:0006609 | 0.982081922 | 0 | 9 |
| GO:0006610 | 0.939065694 | 0 | 31 |
| GO:0006611 | 0.989938391 | 0 | 5 |
| GO:0006635 | 1 | 0.905936145 | 0 | 49 |
| GO:0006637 | 1 | 0.948758448 | 0 | 26 |
| GO:0006638 | 1 | 0.997996934 | 0 | 1 |
| GO:0006639 | 1 | 0.998013408 | 0 | 1 |
| GO:0006640 | 1 | 0.989951958 | 0 | 5 |
| GO:0006641 | 1 | 0.948999687 | 0 | 26 |
| GO:0006642 | 1 | 0.992040629 | 0 | 4 |
| GO:0006643 | 1 | 0.995977983 | 0 | 2 |
| GO:0006644 | 1 | 0.88432732 | 0 | 61 |
| GO:0006646 | 1 | 0.972271545 | 0 | 14 |
| GO:0006649 | 1 | 0.998013437 | 0 | 1 |
| GO:0006650 | 1 | 0.982059129 | 0 | 9 |
| GO:0006651 | 1 | 0.9859859 | 0 | 7 |
| GO:0006654 | 1 | 0.913691094 | 0 | 45 |
| GO:0006655 | 1 | 0.990014697 | 0 | 5 |
| GO:0006656 | 1 | 0.939386953 | 0 | 31 |
| GO:0006657 | 1 | 0.985994596 | 0 | 7 |
| GO:0006658 | 1 | 0.983957611 | 0 | 8 |
| GO:0006659 | 1 | 0.991980841 | 0 | 4 |
| GO:0006660 | 1 | 0.993947925 | 0 | 3 |
| GO:0006661 | 1 | 0.85836362 | 0 | 76 |
| GO:0006662 | 1 | 0.995921147 | 0 | 2 |
| GO:0006663 | 1 | 0.991988643 | 0 | 4 |
| GO:0006664 | 1 | 0.993960417 | 0 | 3 |
| GO:0006666 | 1 | 0.895282648 | 0 | 55 |
| GO:0006667 | 1 | 0.998013197 | 0 | 1 |
| GO:0006668 | 1 | 0.997968061 | 0 | 1 |
| GO:0006669 | 1 | 0.997998933 | 0 | 1 |
| GO:0006670 | 1 | 0.99799382 | 0 | 1 |
| GO:0006672 | 1 | 0.952888785 | 0 | 24 |
| GO:0006677 | 1 | 0.995970937 | 0 | 2 |
| GO:0006678 | 1 | 0.99798512 | 0 | 1 |
| GO:0006679 | 1 | 0.995961751 | 0 | 2 |
| GO:0006680 | 1 | 0.995992346 | 0 | 2 |
| GO:0006682 | 1 | 0.991961256 | 0 | 4 |
| GO:0006683 | 1 | 0.997992987 | 0 | 1 |
| GO:0006684 | 1 | 0.992007298 | 0 | 4 |
| GO:0006685 | 1 | 0.987997526 | 0 | 6 |
| GO:0006686 | 1 | 0.986038065 | 0 | 7 |
| GO:0006687 | 1 | 0.926366211 | 0 | 38 |
| GO:0006688 | 1 | 0.98405226 | 0 | 8 |
| GO:0006689 | 1 | 0.987979293 | 0 | 6 |
| GO:0006690 | 1 | 0.98063561 | 0 | 10 |
| GO:0006691 | 1 | 0.966261901 | 0 | 17 |
| GO          | 1 | 0.998012967 | 0 | 1 |
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| GO:0006692  | 1 | 0.943119727 | 0 | 29|
| GO:0006693  | 1 | 0.945160624 | 0 | 28|
| GO:0006699  | 1 | 0.979988919 | 0 | 10|
| GO:0006700  | 1 | 0.993922975 | 0 | 3 |
| GO:0006702  | 1 | 0.983981035 | 0 | 8 |
| GO:0006703  | 1 | 0.977972765 | 0 | 11|
| GO:0006704  | 1 | 0.987908091 | 0 | 6 |
| GO:0006705  | 1 | 0.997979067 | 0 | 1 |
| GO:0006706  | 1 | 0.989973412 | 0 | 5 |
| GO:0006707  | 1 | 0.97998454  | 0 | 10|
| GO:0006710  | 1 | 0.989951525 | 0 | 5 |
| GO:0006711  | 1 | 0.997974904 | 0 | 1 |
| GO:0006713  | 1 | 0.997975026 | 0 | 1 |
| GO:0006714  | 1 | 0.998005077 | 0 | 1 |
| GO:0006720  | 1 | 0.995968282 | 0 | 2 |
| GO:0006725  | 1 | 0.992001615 | 0 | 4 |
| GO:0006726  | 1 | 0.99396176  | 0 | 3 |
| GO:0006729  | 1 | 0.985914064 | 0 | 7 |
| GO:0006730  | 1 | 0.935675724 | 0 | 33|
| GO:0006734  | 1 | 0.978062506 | 0 | 11|
| GO:0006738  | 1 | 0.997985277 | 0 | 1 |
| GO:0006739  | 1 | 0.980036163 | 0 | 10|
| GO:0006740  | 1 | 0.993991876 | 0 | 3 |
| GO:0006741  | 1 | 0.993974439 | 0 | 3 |
| GO:0006742  | 1 | 0.993955956 | 0 | 3 |
| GO:0006743  | 1 | 0.996013199 | 0 | 2 |
| GO:0006744  | 1 | 0.970110414 | 0 | 15|
| GO:0006747  | 1 | 0.997978145 | 0 | 1 |
| GO:0006749  | 1 | 0.909146588 | 0 | 47|
| GO:0006750  | 1 | 0.968261032 | 0 | 16|
| GO:0006751  | 1 | 0.983945063 | 0 | 8 |
| GO:0006753  | 1 | 0.995925977 | 0 | 2 |
| GO:0006754  | 1 | 0.943214135 | 0 | 29|
| GO:0006756  | 1 | 0.997990564 | 0 | 1 |
| GO:0006757  | 1 | 0.997990564 | 0 | 1 |
| GO:0006760  | 1 | 0.993978488 | 0 | 3 |
| GO:0006766  | 1 | 0.986015578 | 0 | 7 |
| GO:0006768  | 1 | 0.9820595  | 0 | 9 |
| GO:0006771  | 1 | 0.986007179 | 0 | 7 |
| GO:0006772  | 1 | 0.993962035 | 0 | 3 |
| GO:0006776  | 1 | 0.98799328  | 0 | 6 |
| GO:0006777  | 1 | 0.988007155 | 0 | 6 |
| GO:0006778  | 1 | 0.990011225 | 0 | 5 |
| GO:0006779  | 1 | 0.980046326 | 0 | 10|
| GO:0006780 | 1 | 0.997967215 | 0 | 1 |
| GO:0006781 | 1 | 0.997981373 | 0 | 1 |
| GO:0006782 | 1 | 0.983974108 | 0 | 8 |
| GO:0006783 | 1 | 0.950864308 | 0 | 25 |
| GO:0006784 | 1 | 0.996011705 | 0 | 2 |
| GO:0006788 | 1 | 0.995949002 | 0 | 2 |
| GO:0006789 | 1 | 0.995972995 | 0 | 2 |
| GO:0006790 | 1 | 0.974216446 | 0 | 13 |
| GO:0006796 | 1 | 0.968243530 | 0 | 16 |
| GO:0006797 | 1 | 0.968315300 | 0 | 19 |
| GO:0006798 | 1 | 0.969010202 | 0 | 70 |
| GO:0006799 | 1 | 0.971877777 | 0 | 116 |
| GO:0006801 | 1 | 0.982103690 | 0 | 9 |
| GO:0006805 | 1 | 0.956857039 | 0 | 22 |
| GO:0006808 | 1 | 0.966990350 | 0 | 71 |
| GO:0006809 | 1 | 0.968315300 | 0 | 16 |
| GO:0006812 | 1 | 0.869010202 | 0 | 70 |
| GO:0006813 | 1 | 0.791827676 | 0 | 116 |
| GO:0006814 | 1 | 0.792004749 | 0 | 116 |
| GO:0006815 | 1 | 0.986110832 | 0 | 7 |
| GO:0006816 | 1 | 0.952846108 | 0 | 24 |
| GO:0006817 | 1 | 0.972138726 | 0 | 14 |
| GO:0006818 | 1 | 0.956857039 | 0 | 22 |
| GO:0006819 | 1 | 0.966990350 | 0 | 71 |
| GO:0006820 | 1 | 0.968315300 | 0 | 16 |
| GO:0006823 | 1 | 0.986110832 | 0 | 7 |
| GO:0006824 | 1 | 0.952846108 | 0 | 24 |
| GO:0006825 | 1 | 0.972138726 | 0 | 14 |
| GO:0006826 | 1 | 0.956857039 | 0 | 22 |
| GO:0006827 | 1 | 0.966990350 | 0 | 71 |
| GO:0006828 | 1 | 0.986110832 | 0 | 7 |
| GO:0006829 | 1 | 0.952846108 | 0 | 24 |
| GO:0006830 | 1 | 0.972138726 | 0 | 14 |
| GO:0006831 | 1 | 0.956857039 | 0 | 22 |
| GO:0006832 | 1 | 0.986110832 | 0 | 7 |
| GO:0006833 | 1 | 0.952846108 | 0 | 24 |
| GO:0006834 | 1 | 0.972138726 | 0 | 14 |
| GO:0006835 | 1 | 0.956857039 | 0 | 22 |
| GO:0006836 | 1 | 0.986110832 | 0 | 7 |
| GO:0006837 | 1 | 0.952846108 | 0 | 24 |
| GO:0006838 | 1 | 0.972138726 | 0 | 14 |
| GO:0006839 | 1 | 0.956857039 | 0 | 22 |
| GO:0006840 | 1 | 0.986110832 | 0 | 7 |
| GO:0006841 | 1 | 0.952846108 | 0 | 24 |
| GO:0006842 | 1 | 0.972138726 | 0 | 14 |
| GO:0006843 | 1 | 0.956857039 | 0 | 22 |
| GO:0006844 | 1 | 0.986110832 | 0 | 7 |
| GO:0006845 | 1 | 0.952846108 | 0 | 24 |
| GO:0006846 | 1 | 0.972138726 | 0 | 14 |
| GO:0006847 | 1 | 0.956857039 | 0 | 22 |
| GO:0006848 | 1 | 0.986110832 | 0 | 7 |
| GO:0006849 | 1 | 0.952846108 | 0 | 24 |
| GO:0006850 | 1 | 0.972138726 | 0 | 14 |
| GO:0006851 | 1 | 0.956857039 | 0 | 22 |
| GO:0006852 | 1 | 0.986110832 | 0 | 7 |
| GO:0006853 | 1 | 0.952846108 | 0 | 24 |
| GO:0006854 | 1 | 0.972138726 | 0 | 14 |
| GO:0006855 | 1 | 0.956857039 | 0 | 22 |
| GO:0006856 | 1 | 0.986110832 | 0 | 7 |
| GO:0006857 | 1 | 0.952846108 | 0 | 24 |
| GO:0006858 | 1 | 0.972138726 | 0 | 14 |
| GO:0006859 | 1 | 0.956857039 | 0 | 22 |
| GO:0006860 | 1 | 0.986110832 | 0 | 7 |
| GO:0006861 | 1 | 0.952846108 | 0 | 24 |
| GO:0006862 | 1 | 0.972138726 | 0 | 14 |
| GO:0006863 | 1 | 0.956857039 | 0 | 22 |
| GO:0006864 | 1 | 0.986110832 | 0 | 7 |
| GO:0006865 | 1 | 0.952846108 | 0 | 24 |
| GO ID     | Description | Value 1  | Value 2 | Value 3 |
|-----------|-------------|----------|---------|---------|
| GO:0006867 |             | 0.993967518 | 0 | 3       |
| GO:0006868 |             | 0.984053486 | 0 | 8       |
| GO:0006873 |             | 0.990008561 | 0 | 5       |
| GO:0006875 |             | 0.989937595 | 0 | 5       |
| GO:0006876 |             | 0.96007952  | 0 | 2       |
| GO:0006878 |             | 0.968264143 | 0 | 16      |
| GO:0006879 |             | 0.891490821 | 0 | 57      |
| GO:0006880 |             | 0.993913141 | 0 | 3       |
| GO:0006882 |             | 0.950677042 | 0 | 25      |
| GO:0006883 |             | 0.962648967 | 0 | 18      |
| GO:0006884 |             | 0.964548967 | 0 | 19      |
| GO:0006885 |             | 0.996007952 | 0 | 2       |
| GO:0006886 |             | 0.968264143 | 0 | 16      |
| GO:0006887 |             | 0.891490821 | 0 | 57      |
| GO:0006888 |             | 0.962648967 | 0 | 18      |
| GO:0006889 |             | 0.964548967 | 0 | 19      |
| GO:0006890 |             | 0.996007952 | 0 | 2       |
| GO:0006892 |             | 0.962648967 | 0 | 18      |
| GO:0006893 |             | 0.964548967 | 0 | 19      |
| GO:0006894 |             | 0.996007952 | 0 | 2       |
| GO:0006895 |             | 0.962648967 | 0 | 18      |
| GO:0006896 |             | 0.964548967 | 0 | 19      |
| GO:0006897 |             | 0.996007952 | 0 | 2       |
| GO:0006898 |             | 0.962648967 | 0 | 18      |
| GO:0006899 |             | 0.964548967 | 0 | 19      |
| GO:0006900 |             | 0.996007952 | 0 | 2       |
| GO:0006901 |             | 0.962648967 | 0 | 18      |
| GO:0006902 |             | 0.964548967 | 0 | 19      |
| GO:0006903 |             | 0.996007952 | 0 | 2       |
| GO:0006904 |             | 0.962648967 | 0 | 18      |
| GO:0006905 |             | 0.964548967 | 0 | 19      |
| GO:0006906 |             | 0.996007952 | 0 | 2       |
| GO:0006907 |             | 0.962648967 | 0 | 18      |
| GO:0006908 |             | 0.964548967 | 0 | 19      |
| GO:0006909 |             | 0.996007952 | 0 | 2       |
| GO:0006910 |             | 0.962648967 | 0 | 18      |
| GO:0006911 |             | 0.964548967 | 0 | 19      |
| GO:0006912 |             | 0.996007952 | 0 | 2       |
| GO:0006913 |             | 0.962648967 | 0 | 18      |
| GO:0006914 |             | 0.964548967 | 0 | 19      |
| GO:0006915 |             | 0.996007952 | 0 | 2       |
| GO:0006916 |             | 0.962648967 | 0 | 18      |
| GO:0006917 |             | 0.964548967 | 0 | 19      |
| GO:0006918 |             | 0.996007952 | 0 | 2       |
| GO:0006919 |             | 0.962648967 | 0 | 18      |
| GO:0006920 |             | 0.964548967 | 0 | 19      |
| GO:0006921 |             | 0.996007952 | 0 | 2       |
| GO:0006922 |             | 0.962648967 | 0 | 18      |
| GO:0006923 |             | 0.964548967 | 0 | 19      |
| GO:0006924 |             | 0.996007952 | 0 | 2       |
| GO:0006925 |             | 0.962648967 | 0 | 18      |
| GO:0006926 |             | 0.964548967 | 0 | 19      |
| GO:0006927 |             | 0.996007952 | 0 | 2       |
| GO:0006928 |             | 0.962648967 | 0 | 18      |
| GO:0006929 |             | 0.964548967 | 0 | 19      |
| GO:0006930 |             | 0.996007952 | 0 | 2       |
| GO:0006931 |             | 0.962648967 | 0 | 18      |
| GO:0006932 |             | 0.964548967 | 0 | 19      |
| GO:0006933 |             | 0.996007952 | 0 | 2       |
| GO:0006934 |             | 0.962648967 | 0 | 18      |
| GO:0006935 |             | 0.964548967 | 0 | 19      |
| GO:0006936 |             | 0.996007952 | 0 | 2       |
| GO:0006937 |             | 0.962648967 | 0 | 18      |
| GO:0006938 |             | 0.964548967 | 0 | 19      |
| GO:0006939 |             | 0.996007952 | 0 | 2       |
| GO:0006940 |             | 0.962648967 | 0 | 18      |
| GO:0006941 |             | 0.964548967 | 0 | 19      |
| GO:0006942 | 1 | 0.984007595 | 0 | 8 |
| GO:0006948 | 1 | 0.99796022 | 0 | 1 |
| GO:0006949 | 1 | 0.99392004 | 0 | 3 |
| GO:0006953 | 1 | 0.94812383 | 0 | 26 |
| GO:0006956 | 1 | 0.95277438 | 0 | 24 |
| GO:0006957 | 1 | 0.99801113 | 0 | 1 |
| GO:0006958 | 1 | 0.94903712 | 0 | 26 |
| GO:0006959 | 1 | 0.92428821 | 0 | 39 |
| GO:0006963 | 1 | 0.99801113 | 0 | 1 |
| GO:0006965 | 1 | 0.99801113 | 0 | 1 |
| GO:0006968 | 1 | 0.93562253 | 0 | 33 |
| GO:0006970 | 1 | 0.96257216 | 0 | 19 |
| GO:0006971 | 1 | 0.99403527 | 0 | 3 |
| GO:0006972 | 1 | 0.98604582 | 0 | 7 |
| GO:0006975 | 1 | 0.89327983 | 0 | 56 |
| GO:0006977 | 1 | 0.97219529 | 0 | 14 |
| GO:0006979 | 1 | 0.78000737 | 0 | 123 |
| GO:0006982 | 1 | 0.99797452 | 0 | 1 |
| GO:0006983 | 1 | 0.97819645 | 0 | 11 |
| GO:0006984 | 1 | 0.99801343 | 0 | 1 |
| GO:0006986 | 1 | 0.87716204 | 0 | 65 |
| GO:0006990 | 1 | 0.99795937 | 0 | 3 |
| GO:0006991 | 1 | 0.97795939 | 0 | 11 |
| GO:0006996 | 1 | 0.97230436 | 0 | 14 |
| GO:0006999 | 1 | 0.95282013 | 0 | 24 |
| GO:0007000 | 1 | 0.96249159 | 0 | 19 |
| GO:0007004 | 1 | 0.98409554 | 0 | 8 |
| GO:0007005 | 1 | 0.99398936 | 0 | 3 |
| GO:0007006 | 1 | 0.97996290 | 0 | 10 |
| GO:0007021 | 1 | 0.97996290 | 0 | 10 |
| GO:0007023 | 1 | 0.97996290 | 0 | 10 |
| GO:0007026 | 1 | 0.94924365 | 0 | 26 |
| ID   | GO:ID   | Value 1 | Value 2 | Value 3 | Value 4 |
|------|---------|---------|---------|---------|---------|
| 3159 | GO:0007028 | 1 | 0.996030731 | 0 | 2 |
| 3160 | GO:0007029 | 1 | 0.9246067 | 0 | 39 |
| 3161 | GO:0007030 | 1 | 0.793704983 | 0 | 115 |
| 3162 | GO:0007031 | 1 | 0.954776566 | 0 | 23 |
| 3163 | GO:0007032 | 1 | 0.926558412 | 0 | 38 |
| 3164 | GO:0007033 | 1 | 0.984070373 | 0 | 8 |
| 3165 | GO:0007034 | 1 | 0.966267344 | 0 | 17 |
| 3166 | GO:0007035 | 1 | 0.974239169 | 0 | 13 |
| 3167 | GO:0007039 | 1 | 0.997987912 | 0 | 1 |
| 3168 | GO:0007040 | 1 | 0.917308248 | 0 | 43 |
| 3169 | GO:0007041 | 1 | 0.960768126 | 0 | 20 |
| 3170 | GO:0007042 | 1 | 0.978002351 | 0 | 11 |
| 3171 | GO:0007043 | 1 | 0.934284028 | 0 | 34 |
| 3172 | GO:0007044 | 1 | 0.99207686 | 0 | 4 |
| 3174 | GO:0007050 | 1 | 0.780424543 | 0 | 123 |
| 3175 | GO:0007051 | 1 | 0.96639456 | 0 | 17 |
| 3176 | GO:0007052 | 1 | 0.778756685 | 0 | 124 |
| 3177 | GO:0007056 | 1 | 0.995965381 | 0 | 2 |
| 3178 | GO:0007057 | 1 | 0.993945992 | 0 | 3 |
| 3179 | GO:0007059 | 1 | 0.832644327 | 0 | 91 |
| 3180 | GO:0007060 | 1 | 0.995986039 | 0 | 2 |
| 3181 | GO:0007062 | 1 | 0.958744153 | 0 | 21 |
| 3182 | GO:0007063 | 1 | 0.998001957 | 0 | 1 |
| 3183 | GO:0007064 | 1 | 0.970393197 | 0 | 15 |
| 3184 | GO:0007066 | 1 | 0.997959006 | 0 | 1 |
| 3185 | GO:0007072 | 1 | 0.997973786 | 0 | 1 |
| 3186 | GO:0007076 | 1 | 0.920893544 | 0 | 41 |
| 3187 | GO:0007077 | 1 | 0.976160763 | 0 | 12 |
| 3188 | GO:0007079 | 1 | 0.992030525 | 0 | 4 |
| 3189 | GO:0007080 | 1 | 0.922498365 | 0 | 40 |
| 3190 | GO:0007084 | 1 | 0.902287217 | 0 | 51 |
| 3191 | GO:0007088 | 1 | 0.95673339 | 0 | 22 |
| 3192 | GO:0007089 | 1 | 0.99200199 | 0 | 4 |
| 3193 | GO:0007091 | 1 | 0.986073318 | 0 | 7 |
| 3194 | GO:0007093 | 1 | 0.974214883 | 0 | 13 |
| 3195 | GO:0007094 | 1 | 0.950905855 | 0 | 25 |
| 3196 | GO:0007095 | 1 | 0.958746523 | 0 | 21 |
| 3197 | GO:0007096 | 1 | 0.928001641 | 0 | 37 |
| 3198 | GO:0007097 | 1 | 0.972423271 | 0 | 14 |
| 3199 | GO:0007098 | 1 | 0.919030667 | 0 | 42 |
| 3200 | GO:0007099 | 1 | 0.958825895 | 0 | 21 |
| 3201 | GO:0007100 | 1 | 0.988054211 | 0 | 6 |
| 3202 | GO:0007112 | 1 | 0.997990564 | 0 | 1 |
| 3203 | GO:0007113 | 1 | 0.993936801 | 0 | 3 |
| 3204 | GO:0007127 | 1 | 0.984028543 | 0 | 8 |
| ID   | GO Reference | Value | Count | Number |
|------|--------------|-------|-------|--------|
| 3205 | GO:0007129   | 1     | 0.945252088 | 28     |
| 3206 | GO:0007130   | 1     | 0.964414273  | 18     |
| 3207 | GO:0007131   | 1     | 0.941397295  | 30     |
| 3208 | GO:0007140   | 1     | 0.951108591  | 25     |
| 3209 | GO:0007141   | 1     | 0.95473172   | 23     |
| 3210 | GO:0007143   | 1     | 0.98412476   | 8      |
| 3211 | GO:0007144   | 1     | 0.987994479  | 6      |
| 3212 | GO:0007154   | 1     | 0.920788368  | 41     |
| 3213 | GO:0007155   | 1     | 0.301706079  | 590    |
| 3214 | GO:0007156   | 1     | 0.734350916  | 154    |
| 3215 | GO:0007157   | 1     | 0.921037738  | 41     |
| 3216 | GO:0007158   | 1     | 0.970479318  | 15     |
| 3217 | GO:0007159   | 1     | 0.951095644  | 25     |
| 3218 | GO:0007160   | 1     | 0.838193249  | 88     |
| 3219 | GO:0007161   | 1     | 0.992048849  | 4      |
| 3220 | GO:0007162   | 1     | 0.919294114  | 42     |
| 3221 | GO:0007163   | 1     | 0.911593836  | 46     |
| 3222 | GO:0007167   | 1     | 0.984138321  | 8      |
| 3223 | GO:0007168   | 1     | 0.986011596  | 7      |
| 3224 | GO:0007169   | 1     | 0.789023314  | 118    |
| 3225 | GO:0007171   | 1     | 0.976245856  | 12     |
| 3226 | GO:0007172   | 1     | 0.984073409  | 8      |
| 3227 | GO:0007173   | 1     | 0.908247531  | 48     |
| 3228 | GO:0007174   | 1     | 0.995966825  | 2      |
| 3229 | GO:0007175   | 1     | 0.972244107  | 14     |
| 3230 | GO:0007176   | 1     | 0.992021036  | 4      |
| 3231 | GO:0007178   | 1     | 0.968534389  | 16     |
| 3232 | GO:0007179   | 1     | 0.829584863  | 93     |
| 3233 | GO:0007181   | 1     | 0.993987108  | 3      |
| 3234 | GO:0007182   | 1     | 0.990045975  | 5      |
| 3235 | GO:0007183   | 1     | 0.988026105  | 6      |
| 3236 | GO:0007185   | 1     | 0.988095981  | 6      |
| 3237 | GO:0007187   | 1     | 0.939288044  | 31     |
| 3238 | GO:0007188   | 1     | 0.924515568  | 39     |
| 3239 | GO:0007190   | 1     | 0.945293145  | 28     |
| 3240 | GO:0007191   | 1     | 0.984032793  | 8      |
| 3241 | GO:0007193   | 1     | 0.904461622  | 50     |
| 3242 | GO:0007194   | 1     | 0.9702998    | 15     |
| 3243 | GO:0007195   | 1     | 0.991999408  | 4      |
| 3244 | GO:0007196   | 1     | 0.98810283   | 6      |
| 3245 | GO:0007197   | 1     | 0.987983367  | 6      |
| 3246 | GO:0007198   | 1     | 0.993971617  | 3      |
| 3247 | GO:0007199   | 1     | 0.997987857  | 1      |
| 3248 | GO:0007200   | 1     | 0.922606898  | 40     |
| 3249 | GO:0007202   | 1     | 0.943308179  | 29     |
| GO:0007204 | 1 | 0.784822167 | 0 | 120 |
| GO:0007205 | 1 | 0.954882873 | 0 | 23 |
| GO:0007206 | 1 | 0.996026713 | 0 | 2 |
| GO:0007207 | 1 | 0.99576347 | 0 | 2 |
| GO:0007208 | 1 | 0.99798234 | 0 | 1 |
| GO:0007210 | 1 | 0.993941938 | 0 | 3 |
| GO:0007212 | 1 | 0.964454036 | 0 | 18 |
| GO:0007213 | 1 | 0.972173172 | 0 | 14 |
| GO:0007214 | 1 | 0.962647099 | 0 | 19 |
| GO:0007215 | 1 | 0.978262364 | 0 | 11 |
| GO:0007216 | 1 | 0.972173172 | 0 | 12 |
| GO:0007217 | 1 | 0.989958013 | 0 | 5 |
| GO:0007218 | 1 | 0.89478402 | 0 | 55 |
| GO:0007219 | 1 | 0.815978828 | 0 | 101 |
| GO:0007220 | 1 | 0.982064336 | 0 | 9 |
| GO:0007223 | 1 | 0.928589829 | 0 | 37 |
| GO:0007224 | 1 | 0.875829164 | 0 | 66 |
| GO:0007225 | 1 | 0.998012211 | 0 | 1 |
| GO:0007228 | 1 | 0.994000517 | 0 | 3 |
| GO:0007231 | 1 | 0.994033192 | 0 | 3 |
| GO:0007249 | 1 | 0.880672789 | 0 | 63 |
| GO:0007250 | 1 | 0.964444604 | 0 | 18 |
| GO:0007252 | 1 | 0.976267263 | 0 | 12 |
| GO:0007253 | 1 | 0.983939217 | 0 | 8 |
| GO:0007254 | 1 | 0.897156629 | 0 | 54 |
| GO:0007256 | 1 | 0.980197021 | 0 | 10 |
| GO:0007257 | 1 | 0.924843579 | 0 | 39 |
| GO:0007258 | 1 | 0.992004614 | 0 | 4 |
| GO:0007260 | 1 | 0.986070282 | 0 | 7 |
| GO:0007263 | 1 | 0.972146742 | 0 | 14 |
| GO:0007264 | 1 | 0.796766997 | 0 | 113 |
| GO:0007265 | 1 | 0.867025901 | 0 | 71 |
| GO:0007266 | 1 | 0.902553724 | 0 | 51 |
| GO:0007268 | 1 | 0.661512854 | 0 | 205 |
| GO:0007269 | 1 | 0.935804415 | 0 | 33 |
| GO:0007270 | 1 | 0.988076496 | 0 | 6 |
| GO:0007271 | 1 | 0.960503483 | 0 | 20 |
| GO:0007274 | 1 | 0.968447698 | 0 | 16 |
| GO:0007275 | 1 | 0.145745241 | 0 | 939 |
| GO:0007276 | 1 | 0.952819192 | 0 | 24 |
| GO:0007281 | 1 | 0.935943062 | 0 | 33 |
| GO:0007283 | 1 | 0.466446529 | 0 | 376 |
| GO:0007284 | 1 | 0.994023016 | 0 | 3 |
| GO:0007286 | 1 | 0.863250725 | 0 | 73 |
| GO:0007288 | 1 | 0.954721635 | 0 | 23 |
| GO      | Count | p-value   | Fold Change |
|---------|-------|-----------|-------------|
| GO:0007468   | 1     | 0.99797812 | 0           |
| GO:0007492   | 1     | 0.956820091| 0           |
| GO:0007493   | 1     | 0.998001633| 0           |
| GO:0007494   | 1     | 0.986063535| 7           |
| GO:0007495   | 1     | 0.99799718 | 1           |
| GO:0007497   | 1     | 0.996026426| 2           |
| GO:0007498   | 1     | 0.943388468| 29          |
| GO:0007499   | 1     | 0.993972205| 2           |
| GO:0007501   | 1     | 0.99801181 | 1           |
| GO:0007506   | 1     | 0.995972205| 2           |
| GO:0007507   | 1     | 0.993948764| 3           |
| GO:0007509   | 1     | 0.996007903| 2           |
| GO:0007512   | 1     | 0.984055173| 8           |
| GO:0007518   | 1     | 0.997984576| 1           |
| GO:0007519   | 1     | 0.918893737| 42          |
| GO:0007520   | 1     | 0.96465983 | 18          |
| GO:0007521   | 1     | 0.996017343| 2           |
| GO:0007522   | 1     | 0.99801347 | 1           |
| GO:0007525   | 1     | 0.994026578| 3           |
| GO:0007528   | 1     | 0.93609404 | 33          |
| GO:0007529   | 1     | 0.996019181| 2           |
| GO:0007530   | 1     | 0.993948764| 3           |
| GO:0007548   | 1     | 0.96243188 | 19          |
| GO:0007549   | 1     | 0.995985075| 2           |
| GO:0007550   | 1     | 0.849293276| 81          |
| GO:0007556   | 1     | 0.937553467| 32          |
| GO:0007557   | 1     | 0.98834292 | 6            |
| GO:0007558   | 1     | 0.727014887| 158         |
| GO:0007559   | 1     | 0.947201232| 27          |
| GO:0007560   | 1     | 0.945246812| 28          |
| GO:0007561   | 1     | 0.966146076| 17          |
| GO:0007562   | 1     | 0.948986046| 26          |
| GO:0007563   | 1     | 0.991941237| 4            |
| GO:0007564   | 1     | 0.924733142| 39          |
| GO:0007565   | 1     | 0.728470878| 157         |
| GO:0007566   | 1     | 0.976035846| 12          |
| GO:0007567   | 1     | 0.977984299| 1            |
| GO:0007568   | 1     | 0.922511286| 40           |
| GO:0007569   | 1     | 0.98404311 | 8            |
| GO:0007570   | 1     | 0.727292793| 158         |
| GO:0007571   | 1     | 0.968222005| 16           |
| GO:0007572   | 1     | 0.988030226| 6            |
| GO:0007573   | 1     | 0.998001003| 1            |
| GO:0007574   | 1     | 0.998001003| 1            |
| GO:0007575   | 1     | 0.727292793| 158         |
| GO:0007576   | 1     | 0.968222005| 16           |
| GO:0007577   | 1     | 0.988030226| 6            |
| GO:0007578   | 1     | 0.998001003| 1            |
| GO:0007579   | 1     | 0.777592828| 125          |
| GO            | C   | F  | 0  |     |
|---------------|-----|----|----|-----|
| GO:0007606    | 1   | 0.99195235 | 0   | 4   |
| GO:0007608    | 1   | 0.778044011  | 0  | 123 |
| GO:0007610    | 1   | 0.990036729  | 0   | 5   |
| GO:0007611    | 1   | 0.900912327  | 0   | 52  |
| GO:0007612    | 1   | 0.89034678   | 0   | 58  |
| GO:0007613    | 1   | 0.872411266  | 0   | 68  |
| GO:0007614    | 1   | 0.978107045  | 0   | 11  |
| GO:0007616    | 1   | 0.943582451  | 0   | 29  |
| GO:0007617    | 1   | 0.987990339  | 0   | 6   |
| GO:0007618    | 1   | 0.997961445  | 0   | 1   |
| GO:0007620    | 1   | 0.995967866  | 0   | 2   |
| GO:0007621    | 1   | 0.994007019  | 0   | 3   |
| GO:0007622    | 1   | 0.97992206   | 0   | 1   |
| GO:0007623    | 1   | 0.853048928  | 0   | 79  |
| GO:0007624    | 1   | 0.996004823  | 0   | 2   |
| GO:0007625    | 1   | 0.982044335  | 0   | 9   |
| GO:0007626    | 1   | 0.879584025  | 0   | 64  |
| GO:0007628    | 1   | 0.953053054  | 0   | 24  |
| GO:0007631    | 1   | 0.970198517  | 0   | 15  |
| GO:0007632    | 1   | 0.991993255  | 0   | 4   |
| GO:0007635    | 1   | 0.992004693  | 0   | 4   |
| GO:0007638    | 1   | 0.996030731  | 0   | 2   |
| GO:0008013    | 1   | 0.84848607   | 0   | 82  |
| GO:0008016    | 1   | 0.949005322  | 0   | 26  |
| GO:0008020    | 1   | 0.985945067  | 0   | 7   |
| GO:0008021    | 1   | 0.761760784  | 0   | 135 |
| GO:0008022    | 1   | 0.673470373  | 0   | 196 |
| GO:0008023    | 1   | 0.95870019   | 0   | 21  |
| GO:0008024    | 1   | 0.984097623  | 0   | 8   |
| GO:0008028    | 1   | 0.968337291  | 0   | 16  |
| GO:0008033    | 1   | 0.815270334  | 0   | 101 |
| GO:0008035    | 1   | 0.981999239  | 0   | 9   |
| GO:0008037    | 1   | 0.984069355  | 0   | 8   |
| GO:0008038    | 1   | 0.990051388  | 0   | 5   |
| GO:0008039    | 1   | 0.997994566  | 0   | 1   |
| GO:0008043    | 1   | 0.995926424  | 0   | 2   |
| GO:0008045    | 1   | 0.947168829  | 0   | 27  |
| GO:0008046    | 1   | 0.982183439  | 0   | 9   |
| GO:0008047    | 1   | 0.907725475  | 0   | 48  |
| GO:0008048    | 1   | 0.995963929  | 0   | 2   |
| GO:0008049    | 1   | 0.997977061  | 0   | 1   |
| GO:0008050    | 1   | 0.996002728  | 0   | 2   |
| GO:0008052    | 1   | 0.99796016   | 0   | 1   |
| GO:0008053    | 1   | 0.96827075   | 0   | 16  |
| GO:0008057    | 1   | 0.998013437  | 0   | 1   |
| GO ID | GO Term | Count | p-value | Adjusted p-value | N | TPR | TPR Rate |
|-------|---------|-------|---------|------------------|---|-----|----------|
| GO:0008140 | GO:0008140 | 1 | 0.98051611 | 0 | 10 |
| GO:0008142 | GO:0008142 | 1 | 0.98606087 | 0 | 7 |
| GO:0008143 | GO:0008143 | 1 | 0.96061362 | 0 | 20 |
| GO:0008144 | GO:0008144 | 1 | 0.98211053 | 0 | 9 |
| GO:0008146 | GO:0008146 | 1 | 0.91331431 | 0 | 45 |
| GO:0008147 | GO:0008147 | 1 | 0.99590833 | 0 | 2 |
| GO:0008150 | GO:0008150 | 1 | 0.38338406 | 0 | 471 |
| GO:0008152 | GO:0008152 | 1 | 0.70849955 | 0 | 171 |
| GO:0008154 | GO:0008154 | 1 | 0.96056679 | 0 | 20 |
| GO:0008156 | GO:0008156 | 1 | 0.96835338 | 0 | 16 |
| GO:0008157 | GO:0008157 | 1 | 0.94719306 | 0 | 27 |
| GO:0008158 | GO:0008158 | 1 | 0.99399216 | 0 | 3 |
| GO:0008160 | GO:0008160 | 1 | 0.99582947 | 0 | 2 |
| GO:0008170 | GO:0008170 | 1 | 0.98792209 | 0 | 6 |
| GO:0008171 | GO:0008171 | 1 | 0.98395589 | 0 | 8 |
| GO:0008173 | GO:0008173 | 1 | 0.97420562 | 0 | 13 |
| GO:0008174 | GO:0008174 | 1 | 0.99801343 | 0 | 1 |
| GO:0008175 | GO:0008175 | 1 | 0.9821004 | 0 | 9 |
| GO:0008176 | GO:0008176 | 1 | 0.99594175 | 0 | 2 |
| GO:0008177 | GO:0008177 | 1 | 0.99595217 | 0 | 2 |
| GO:0008179 | GO:0008179 | 1 | 0.97623883 | 0 | 12 |
| GO:0008180 | GO:0008180 | 1 | 0.93193777 | 0 | 35 |
| GO:0008184 | GO:0008184 | 1 | 0.99401362 | 0 | 3 |
| GO:0008186 | GO:0008186 | 1 | 0.9900665 | 0 | 5 |
| GO:0008187 | GO:0008187 | 1 | 0.99598301 | 0 | 2 |
| GO:0008188 | GO:0008188 | 1 | 0.97607922 | 0 | 12 |
| GO:0008190 | GO:0008190 | 1 | 0.98009565 | 0 | 10 |
| GO:0008191 | GO:0008191 | 1 | 0.97018427 | 0 | 15 |
| GO:0008192 | GO:0008192 | 1 | 0.99801104 | 0 | 1 |
| GO:0008193 | GO:0008193 | 1 | 0.99796621 | 0 | 1 |
| GO:0008194 | GO:0008194 | 1 | 0.96236055 | 0 | 19 |
| GO:0008195 | GO:0008195 | 1 | 0.97620974 | 0 | 12 |
| GO:0008198 | GO:0008198 | 1 | 0.95857528 | 0 | 21 |
| GO:0008199 | GO:0008199 | 1 | 0.98595034 | 0 | 7 |
| GO:0008200 | GO:0008200 | 1 | 0.98600431 | 0 | 7 |
| GO:0008206 | GO:0008206 | 1 | 0.97026941 | 0 | 15 |
| GO:0008207 | GO:0008207 | 1 | 0.98992025 | 0 | 5 |
| GO:0008209 | GO:0008209 | 1 | 0.9643367 | 0 | 18 |
| GO:0008210 | GO:0008210 | 1 | 0.94503921 | 0 | 28 |
| GO:0008211 | GO:0008211 | 1 | 0.98994694 | 0 | 5 |
| GO:0008215 | GO:0008215 | 1 | 0.99590776 | 0 | 2 |
| GO:0008216 | GO:0008216 | 1 | 0.99796394 | 0 | 1 |
| GO:0008217 | GO:0008217 | 1 | 0.89702146 | 0 | 54 |
| GO:0008219 | GO:0008219 | 1 | 0.9283298 | 0 | 37 |
| GO:0008228 | GO:0008228 | 1 | 0.99399128 | 0 | 3 |
| ID   | GO          | Count | Confidence | Rank |
|------|-------------|-------|------------|------|
| 3587 | GO:0008307  | 1     | 0.928175621 | 37   |
| 3588 | GO:0008308  | 1     | 0.989912939 | 5    |
| 3589 | GO:0008309  | 1     | 0.995956263 | 2    |
| 3590 | GO:0008310  | 1     | 0.989985187 | 5    |
| 3591 | GO:0008311  | 1     | 0.99591927  | 2    |
| 3592 | GO:0008312  | 1     | 0.985933065 | 7    |
| 3593 | GO:0008315  | 1     | 0.97790155  | 1    |
| 3594 | GO:0008318  | 1     | 0.99397702  | 3    |
| 3595 | GO:0008320  | 1     | 0.956519761 | 22   |
| 3596 | GO:0008324  | 1     | 0.96451716  | 18   |
| 3597 | GO:0008327  | 1     | 0.958667973 | 21   |
| 3598 | GO:0008328  | 1     | 0.978338416 | 11   |
| 3599 | GO:0008330  | 1     | 0.980076207 | 10   |
| 3600 | GO:0008331  | 1     | 0.982194869 | 9    |
| 3601 | GO:0008332  | 1     | 0.996030731 | 2    |
| 3602 | GO:0008333  | 1     | 0.915465488 | 44   |
| 3603 | GO:0008334  | 1     | 0.975967136 | 12   |
| 3604 | GO:0008336  | 1     | 0.97796757  | 1    |
| 3605 | GO:0008340  | 1     | 0.964561678 | 18   |
| 3606 | GO:0008343  | 1     | 0.991984673 | 4    |
| 3607 | GO:0008344  | 1     | 0.91772253  | 43   |
| 3608 | GO:0008347  | 1     | 0.980079925 | 10   |
| 3609 | GO:0008349  | 1     | 0.992027551 | 4    |
| 3610 | GO:0008352  | 1     | 0.97989131  | 1    |
| 3611 | GO:0008353  | 1     | 0.976186235 | 12   |
| 3612 | GO:0008354  | 1     | 0.986054873 | 7    |
| 3613 | GO:0008355  | 1     | 0.996010953 | 2    |
| 3614 | GO:0008356  | 1     | 0.990047261 | 5    |
| 3615 | GO:0008360  | 1     | 0.754476779 | 140  |
| 3616 | GO:0008361  | 1     | 0.956891953 | 22   |
| 3617 | GO:0008366  | 1     | 0.988053771 | 6    |
| 3618 | GO:0008373  | 1     | 0.964430273 | 18   |
| 3619 | GO:0008374  | 1     | 0.968287275 | 16   |
| 3620 | GO:0008375  | 1     | 0.932002578 | 35   |
| 3621 | GO:0008376  | 1     | 0.95485138  | 23   |
| 3622 | GO:0008378  | 1     | 0.982057361 | 9    |
| 3623 | GO:0008379  | 1     | 0.989847384 | 5    |
| 3624 | GO:0008380  | 1     | 0.552135954 | 293  |
| 3625 | GO:0008381  | 1     | 0.974276475 | 13   |
| 3626 | GO:0008384  | 1     | 0.994019382 | 3    |
| 3627 | GO:0008385  | 1     | 0.986043377 | 7    |
| 3628 | GO:0008386  | 1     | 0.997978128 | 1    |
| 3629 | GO:0008387  | 1     | 0.99798314  | 1    |
| 3630 | GO:0008389  | 1     | 0.997974644 | 1    |
| 3631 | GO:0008390  | 1     | 0.997995231 | 1    |
| ID   | GO Id        | Value | Type | Count |
|------|--------------|-------|------|-------|
| 3632 | GO:0008391   | 0.985982058 | 0 | 7 |
| 3633 | GO:0008392   | 0.9701103 | 0 | 15 |
| 3634 | GO:0008395   | 0.944951942 | 0 | 28 |
| 3635 | GO:0008396   | 0.995972105 | 0 | 2 |
| 3636 | GO:0008397   | 0.998007019 | 0 | 2 |
| 3637 | GO:0008398   | 0.99795521 | 0 | 1 |
| 3638 | GO:0008401   | 0.981997988 | 0 | 9 |
| 3639 | GO:0008403   | 0.995972105 | 0 | 28 |
| 3640 | GO:0008404   | 0.99394172 | 0 | 3 |
| 3641 | GO:0008405   | 0.995956563 | 0 | 2 |
| 3642 | GO:0008406   | 0.980027497 | 0 | 10 |
| 3643 | GO:0008408   | 0.958626623 | 0 | 21 |
| 3644 | GO:0008409   | 0.974259657 | 0 | 13 |
| 3645 | GO:0008410   | 0.991970648 | 0 | 4 |
| 3646 | GO:0008413   | 0.995937479 | 0 | 2 |
| 3647 | GO:0008417   | 0.980162115 | 0 | 10 |
| 3648 | GO:0008418   | 0.99595709 | 0 | 2 |
| 3649 | GO:0008419   | 0.997988991 | 0 | 1 |
| 3650 | GO:0008420   | 0.986058515 | 0 | 7 |
| 3651 | GO:0008422   | 0.992005628 | 0 | 4 |
| 3652 | GO:0008424   | 0.99799873 | 0 | 1 |
| 3653 | GO:0008425   | 0.997965466 | 0 | 1 |
| 3654 | GO:0008426   | 0.993941287 | 0 | 3 |
| 3655 | GO:0008427   | 0.993923328 | 0 | 3 |
| 3656 | GO:0008428   | 0.997976875 | 0 | 1 |
| 3657 | GO:0008429   | 0.980050909 | 0 | 10 |
| 3658 | GO:0008430   | 0.983997357 | 0 | 8 |
| 3659 | GO:0008431   | 0.995987785 | 0 | 2 |
| 3660 | GO:0008432   | 0.982085646 | 0 | 9 |
| 3661 | GO:0008437   | 0.997978686 | 0 | 1 |
| 3662 | GO:0008440   | 0.991987031 | 0 | 4 |
| 3663 | GO:0008441   | 0.995980566 | 0 | 2 |
| 3664 | GO:0008442   | 0.997978253 | 0 | 1 |
| 3665 | GO:0008443   | 0.997997597 | 0 | 1 |
| 3666 | GO:0008444   | 0.995991181 | 0 | 2 |
| 3667 | GO:0008445   | 0.997972026 | 0 | 1 |
| 3668 | GO:0008446   | 0.997973062 | 0 | 1 |
| 3669 | GO:0008448   | 0.997975827 | 0 | 1 |
| 3670 | GO:0008449   | 0.992050225 | 0 | 4 |
| 3671 | GO:0008452   | 0.997990564 | 0 | 1 |
| 3672 | GO:0008453   | 0.997971738 | 0 | 1 |
| 3673 | GO:0008454   | 0.993992321 | 0 | 3 |
| 3674 | GO:0008455   | 0.997989828 | 0 | 1 |
| 3675 | GO:0008456   | 0.998004621 | 0 | 1 |
| 3676 | GO:0008457   | 0.991982611 | 0 | 4 |
| GO          | p-value  | rank | functional association |
|-------------|----------|------|------------------------|
| GO:0008458  | 0.993997 | 3    |                        |
| GO:0008459  | 0.996001 | 2    |                        |
| GO:0008460  | 0.997977 | 1    |                        |
| GO:0008465  | 0.997977 | 1    |                        |
| GO:0008466  | 0.995979 | 2    |                        |
| GO:0008467  | 0.987940 | 6    |                        |
| GO:0008469  | 0.987978 | 6    |                        |
| GO:0008470  | 0.998011 | 1    |                        |
| GO:0008474  | 0.994009 | 3    |                        |
| GO:0008475  | 0.994008 | 3    |                        |
| GO:0008476  | 0.995961 | 2    |                        |
| GO:0008478  | 0.998013 | 1    |                        |
| GO:0008479  | 0.995961 | 2    |                        |
| GO:0008480  | 0.997999 | 1    |                        |
| GO:0008481  | 0.995974 | 2    |                        |
| GO:0008482  | 0.997984 | 1    |                        |
| GO:0008483  | 0.960549 | 20   |                        |
| GO:0008484  | 0.964576 | 18   |                        |
| GO:0008486  | 0.989973 | 5    |                        |
| GO:0008488  | 0.997996 | 1    |                        |
| GO:0008489  | 0.994029 | 20   |                        |
| GO:0008493  | 0.997976 | 1    |                        |
| GO:0008494  | 0.982031 | 9    |                        |
| GO:0008495  | 0.997994 | 1    |                        |
| GO:0008499  | 0.987997 | 6    |                        |
| GO:0008502  | 0.995961 | 2    |                        |
| GO:0008503  | 0.995974 | 2    |                        |
| GO:0008504  | 0.988044 | 6    |                        |
| GO:0008506  | 0.991991 | 4    |                        |
| GO:0008507  | 0.998003 | 1    |                        |
| GO:0008508  | 0.987930 | 6    |                        |
| GO:0008509  | 0.974383 | 13   |                        |
| GO:0008510  | 0.990089 | 5    |                        |
| GO:0008511  | 0.994050 | 3    |                        |
| GO:0008513  | 0.995961 | 2    |                        |
| GO:0008514  | 0.978236 | 11   |                        |
| GO:0008517  | 0.992027 | 4    |                        |
| GO:0008518  | 0.997991 | 1    |                        |
| GO:0008519  | 0.980106 | 10   |                        |
| GO:0008520  | 0.996001 | 2    |                        |
| GO:0008521  | 0.997989 | 1    |                        |
| GO:0008523  | 0.997998 | 1    |                        |
| GO:0008525  | 0.988033 | 6    |                        |
| GO:0008526  | 0.980106 | 10   |                        |
| GO:0008527  | 0.977876 | 11   |                        |
| GO ID   | Description | Value | p-value | Count |
|---------|-------------|-------|---------|-------|
| GO:0008528 |             | 0.94509328 | 0.000000000 | 28    |
| GO:0008531 |             | 0.997989828 | 0.000000000 | 1     |
| GO:0008532 |             | 0.980054532 | 0.000000000 | 10    |
| GO:0008534 |             | 0.99777171 | 0.000000000 | 1     |
| GO:0008535 |             | 0.984006584 | 0.000000000 | 8     |
| GO:0008537 |             | 0.993928355 | 0.000000000 | 3     |
| GO:0008540 |             | 0.975994274 | 0.000000000 | 12    |
| GO:0008541 |             | 0.983916823 | 0.000000000 | 8     |
| GO:0008542 |             | 0.924780386 | 0.000000000 | 39    |
| GO:0008543 |             | 0.868618328 | 0.000000000 | 70    |
| GO:0008544 |             | 0.996008728 | 0.000000000 | 2     |
| GO:0008553 |             | 0.986057239 | 0.000000000 | 7     |
| GO:0008556 |             | 0.990047305 | 0.000000000 | 5     |
| GO:0008559 |             | 0.972476247 | 0.000000000 | 14    |
| GO:0008568 |             | 0.984122458 | 0.000000000 | 8     |
| GO:0008569 |             | 0.966701247 | 0.000000000 | 17    |
| GO:0008574 |             | 0.966688713 | 0.000000000 | 17    |
| GO:0008579 |             | 0.99801328 | 0.000000000 | 1     |
| GO:0008582 |             | 0.99203669 | 0.000000000 | 5     |
| GO:0008584 |             | 0.986057239 | 0.000000000 | 7     |
| GO:0008585 |             | 0.958817503 | 0.000000000 | 21    |
| GO:0008589 |             | 0.960760207 | 0.000000000 | 20    |
| GO:0008592 |             | 0.994020076 | 0.000000000 | 3     |
| GO:0008593 |             | 0.960621872 | 0.000000000 | 20    |
| GO:0008594 |             | 0.992003936 | 0.000000000 | 4     |
| GO:0008595 |             | 0.988079455 | 0.000000000 | 6     |
| GO:0008597 |             | 0.991975906 | 0.000000000 | 4     |
| GO:0008607 |             | 0.993977411 | 0.000000000 | 3     |
| GO:0008608 |             | 0.978078139 | 0.000000000 | 11    |
| GO:0008609 |             | 0.998013437 | 0.000000000 | 1     |
| GO:0008611 |             | 0.986039782 | 0.000000000 | 7     |
| GO:0008612 |             | 0.995944669 | 0.000000000 | 2     |
| GO:0008615 |             | 0.995985754 | 0.000000000 | 2     |
| GO:0008617 |             | 0.997960497 | 0.000000000 | 1     |
| GO:0008622 |             | 0.989950267 | 0.000000000 | 5     |
| GO:0008623 |             | 0.99399468 | 0.000000000 | 3     |
| GO:0008625 |             | 0.94312656 | 0.000000000 | 29    |
| GO:0008626 |             | 0.998013436 | 0.000000000 | 1     |
| GO:0008627 |             | 0.996005372 | 0.000000000 | 2     |
| GO:0008630 |             | 0.911578268 | 0.000000000 | 46    |
| GO:0008631 |             | 0.972301441 | 0.000000000 | 14    |
| GO:0008635 |             | 0.985992022 | 0.000000000 | 7     |
| GO:0008641 |             | 0.980115463 | 0.000000000 | 10    |
| GO:0008643 |             | 0.928271925 | 0.000000000 | 37    |
| GO      | ID   | Value  | P.Value | Aff | Count |
|---------|------|--------|---------|-----|-------|
| GO:0008832 | 3815 | 0.997997404 | 0 | 1 |
| GO:0008843 | 3816 | 0.997983681 | 0 | 1 |
| GO:0008852 | 3817 | 0.997991795 | 0 | 4 |
| GO:0008853 | 3818 | 0.991953973 | 0 | 4 |
| GO:0008859 | 3819 | 0.997959385 | 0 | 1 |
| GO:0008865 | 3820 | 0.992034495 | 0 | 4 |
| GO:0008887 | 3821 | 0.997997967 | 0 | 1 |
| GO:0008889 | 3822 | 0.996004245 | 0 | 2 |
| GO:0008890 | 3823 | 0.997971394 | 0 | 1 |
| GO:0008892 | 3824 | 0.998013378 | 0 | 1 |
| GO:0008893 | 3825 | 0.99796111 | 0 | 1 |
| GO:0008894 | 3826 | 0.997990309 | 0 | 1 |
| GO:0008897 | 3827 | 0.997992244 | 0 | 1 |
| GO:0008900 | 3828 | 0.995976344 | 0 | 2 |
| GO:0008903 | 3829 | 0.997962427 | 0 | 1 |
| GO:0008929 | 3830 | 0.997969123 | 0 | 1 |
| GO:0008934 | 3831 | 0.993978668 | 0 | 3 |
| GO:0008940 | 3832 | 0.994002664 | 0 | 3 |
| GO:0008941 | 3833 | 0.997986766 | 0 | 1 |
| GO:0008948 | 3834 | 0.991990571 | 0 | 4 |
| GO:0008955 | 3835 | 0.99800712 | 0 | 1 |
| GO:0008962 | 3836 | 0.997987974 | 0 | 1 |
| GO:0008963 | 3837 | 0.997980984 | 0 | 1 |
| GO:0008967 | 3838 | 0.995979309 | 0 | 2 |
| GO:0008970 | 3839 | 0.980054909 | 0 | 10 |
| GO:0008973 | 3840 | 0.9979981 | 0 | 1 |
| GO:0008983 | 3841 | 0.997990564 | 0 | 1 |
| GO:0008988 | 3842 | 0.995954383 | 0 | 2 |
| GO:0008995 | 3843 | 0.997988044 | 0 | 1 |
| GO:0009000 | 3844 | 0.99796094 | 0 | 1 |
| GO:0009007 | 3845 | 0.996020318 | 0 | 2 |
| GO:0009008 | 3846 | 0.992019296 | 0 | 4 |
| GO:0009013 | 3847 | 0.998013139 | 0 | 1 |
| GO:0009019 | 3848 | 0.992008481 | 0 | 4 |
| GO:0009020 | 3849 | 0.997977919 | 0 | 1 |
| GO:0009032 | 3850 | 0.995952194 | 0 | 2 |
| GO:0009048 | 3852 | 0.98021513 | 0 | 10 |
| GO:0009051 | 3853 | 0.991959935 | 0 | 4 |
| GO:0009052 | 3854 | 0.98995041 | 0 | 5 |
| GO:0009055 | 3855 | 0.860785691 | 0 | 74 |
| GO:0009056 | 3856 | 0.99393864 | 0 | 3 |
| GO:0009058 | 3857 | 0.931897759 | 0 | 35 |
| GO:0009060 | 3858 | 0.939114926 | 0 | 31 |
| GO:0009062 | 3859 | 0.974258793 | 0 | 13 |
| GO:0009063 | 3860 | 0.993948543 | 0 | 3 |
| GO:0009064 | 1 | 0.974238879 | 0 | 13 |
|------------|---|----------------|---|-----|
| GO:0009066 | 1 | 0.97811806    | 0 | 11  |
| GO:0009069 | 1 | 0.995991566  | 0 | 2   |
| GO:0009070 | 1 | 0.99800132   | 0 | 1   |
| GO:0009071 | 1 | 0.997980496  | 0 | 1   |
| GO:0009072 | 1 | 0.987921683  | 0 | 6   |
| GO:0009074 | 1 | 0.97990727   | 0 | 1   |
| GO:0009078 | 1 | 0.995987498  | 0 | 2   |
| GO:0009081 | 1 | 0.995989427  | 0 | 2   |
| GO:0009082 | 1 | 0.995989427  | 0 | 2   |
| GO:0009083 | 1 | 0.960506734  | 0 | 20  |
| GO:0009086 | 1 | 0.978105671  | 0 | 11  |
| GO:0009087 | 1 | 0.998000404  | 0 | 1   |
| GO:0009097 | 1 | 0.93935403   | 0 | 3   |
| GO:0009098 | 1 | 0.995989427  | 0 | 2   |
| GO:0009099 | 1 | 0.993980916  | 0 | 3   |
| GO:0009100 | 1 | 0.976134973  | 0 | 12  |
| GO:0009101 | 1 | 0.976199764  | 0 | 12  |
| GO:0009104 | 1 | 0.997984931  | 0 | 1   |
| GO:0009106 | 1 | 0.998002843  | 0 | 1   |
| GO:0009107 | 1 | 0.997973035  | 0 | 1   |
| GO:0009113 | 1 | 0.988018798  | 0 | 6   |
| GO:0009115 | 1 | 0.998013436  | 0 | 1   |
| GO:0009116 | 1 | 0.962315875  | 0 | 19  |
| GO:0009124 | 1 | 0.997981389  | 0 | 1   |
| GO:0009132 | 1 | 0.997960497  | 0 | 1   |
| GO:0009133 | 1 | 0.997981389  | 0 | 1   |
| GO:0009134 | 1 | 0.984052275  | 0 | 8   |
| GO:0009143 | 1 | 0.987967856  | 0 | 6   |
| GO:0009152 | 1 | 0.997969493  | 0 | 1   |
| GO:0009154 | 1 | 0.997956413  | 0 | 1   |
| GO:0009156 | 1 | 0.987990869  | 0 | 6   |
| GO:0009157 | 1 | 0.991957188  | 0 | 4   |
| GO:0009159 | 1 | 0.997990564  | 0 | 1   |
| GO:0009165 | 1 | 0.976083292  | 0 | 12  |
| GO:0009166 | 1 | 0.993980613  | 0 | 3   |
| GO:0009168 | 1 | 0.968308679  | 0 | 16  |
| GO:0009181 | 1 | 0.997979751  | 0 | 1   |
| GO:0009190 | 1 | 0.968548544  | 0 | 16  |
| GO:0009191 | 1 | 0.997964351  | 0 | 1   |
| GO:0009200 | 1 | 0.998012703  | 0 | 1   |
| GO:0009204 | 1 | 0.99796226   | 0 | 1   |
| GO:0009214 | 1 | 0.998013218  | 0 | 1   |
| GO:0009217 | 1 | 0.997978935  | 0 | 1   |
| GO:0009220 | 1 | 0.993986692  | 0 | 3   |
| GO          | Value | p-value | Beta | Total |
|-------------|-------|---------|------|-------|
| GO:0009223  | 1     | 0.995934562 | 0    | 2     |
| GO:0009225  | 1     | 0.995990748  | 0    | 2     |
| GO:0009226  | 1     | 0.997990564  | 0    | 1     |
| GO:0009229  | 1     | 0.99784426   | 0    | 1     |
| GO:0009231  | 1     | 0.997989828  | 0    | 1     |
| GO:0009234  | 1     | 0.998003649  | 0    | 1     |
| GO:0009235  | 1     | 0.964351161  | 0    | 18    |
| GO:0009236  | 1     | 0.994025922  | 0    | 3     |
| GO:0009240  | 1     | 0.997980805  | 0    | 1     |
| GO:0009247  | 1     | 0.983992624  | 0    | 8     |
| GO:0009249  | 1     | 0.994021545  | 0    | 3     |
| GO:0009253  | 1     | 0.991925868  | 0    | 4     |
| GO:0009256  | 1     | 0.997984426  | 0    | 1     |
| GO:0009257  | 1     | 0.996008463  | 0    | 2     |
| GO:0009258  | 1     | 0.996013877  | 0    | 2     |
| GO:0009259  | 1     | 0.995955454  | 0    | 2     |
| GO:0009262  | 1     | 0.997999696  | 0    | 1     |
| GO:0009263  | 1     | 0.994021545  | 0    | 3     |
| GO:0009264  | 1     | 0.991925868  | 0    | 4     |
| GO:0009266  | 1     | 0.983966224  | 0    | 8     |
| GO:0009267  | 1     | 0.868740724  | 0    | 70    |
| GO:0009268  | 1     | 0.976186719  | 0    | 12    |
| GO:0009295  | 1     | 0.997952806  | 0    | 1     |
| GO:0009298  | 1     | 0.991920296  | 0    | 4     |
| GO:0009299  | 1     | 0.98802548   | 0    | 6     |
| GO:0009301  | 1     | 0.991900375  | 0    | 4     |
| GO:0009303  | 1     | 0.974157549  | 0    | 13    |
| GO:0009304  | 1     | 0.996020652  | 0    | 2     |
| GO:0009305  | 1     | 0.998013437  | 0    | 1     |
| GO:0009306  | 1     | 0.907871668  | 0    | 48    |
| GO:0009308  | 1     | 0.984023536  | 0    | 8     |
| GO:0009309  | 1     | 0.997963974  | 0    | 1     |
| GO:0009311  | 1     | 0.960498148  | 0    | 20    |
| GO:0009312  | 1     | 0.95669842   | 0    | 22    |
| GO:0009313  | 1     | 0.980111743  | 0    | 10    |
| GO:0009314  | 1     | 0.941507345  | 0    | 30    |
| GO:0009317  | 1     | 0.99797563   | 0    | 1     |
| GO:0009328  | 1     | 0.995962849  | 0    | 2     |
| GO:0009330  | 1     | 0.998013436  | 0    | 1     |
| GO:0009331  | 1     | 0.994024275  | 0    | 3     |
| GO:0009353  | 1     | 0.99796661   | 0    | 1     |
| GO:0009360  | 1     | 0.997989735  | 0    | 1     |
| GO:0009361  | 1     | 0.997969141  | 0    | 1     |
| GO:0009368  | 1     | 0.995951688  | 0    | 2     |
| GO:0009374  | 1     | 0.990047113  | 0    | 5     |
| ID   | GO:0009378 | 1   | 0.98811046 | 0 | 6 |
|------|-------------|-----|-------------|---|---|
| 3953 | GO:0009383  | 1   | 0.993997165 | 0 | 3 |
| 3954 | GO:0009384  | 1   | 0.998013293 | 0 | 1 |
| 3955 | GO:0009386  | 1   | 0.995959048 | 0 | 2 |
| 3956 | GO:0009395  | 1   | 0.966451228 | 0 | 17|
| 3957 | GO:0009396  | 1   | 0.995948428 | 0 | 2 |
| 3958 | GO:0009398  | 1   | 0.997898288 | 0 | 1 |
| 3959 | GO:0009403  | 1   | 0.982132422 | 0 | 9 |
| 3960 | GO:0009404  | 1   | 0.998013364 | 0 | 1 |
| 3961 | GO:0009405  | 1   | 0.922517018 | 0 | 40|
| 3962 | GO:0009410  | 1   | 0.972144686 | 0 | 14|
| 3963 | GO:0009414  | 1   | 0.989973643 | 0 | 5 |
| 3964 | GO:0009416  | 1   | 0.954776116 | 0 | 23|
| 3965 | GO:0009435  | 1   | 0.978108301 | 0 | 11|
| 3966 | GO:0009437  | 1   | 0.984048521 | 0 | 8 |
| 3967 | GO:0009438  | 1   | 0.995942324 | 0 | 2 |
| 3968 | GO:0009440  | 1   | 0.995966285 | 0 | 2 |
| 3969 | GO:0009441  | 1   | 0.998013437 | 0 | 1 |
| 3970 | GO:0009443  | 1   | 0.998013301 | 0 | 1 |
| 3971 | GO:0009445  | 1   | 0.998013648 | 0 | 1 |
| 3972 | GO:0009446  | 1   | 0.993946976 | 0 | 3 |
| 3973 | GO:0009447  | 1   | 0.994016497 | 0 | 2 |
| 3974 | GO:0009448  | 1   | 0.994012718 | 0 | 3 |
| 3975 | GO:0009449  | 1   | 0.995940064 | 0 | 2 |
| 3976 | GO:0009450  | 1   | 0.995936174 | 0 | 2 |
| 3977 | GO:0009451  | 1   | 0.998013437 | 0 | 1 |
| 3978 | GO:0009452  | 1   | 0.998013301 | 0 | 1 |
| 3979 | GO:0009453  | 1   | 0.997990564 | 0 | 1 |
| 3980 | GO:0009454  | 1   | 0.993946976 | 0 | 3 |
| 3981 | GO:0009455  | 1   | 0.994016497 | 0 | 3 |
| 3982 | GO:0009456  | 1   | 0.996029704 | 0 | 2 |
| 3983 | GO:0009457  | 1   | 0.972144686 | 0 | 14|
| 3984 | GO:0009458  | 1   | 0.998004245 | 0 | 1 |
| 3985 | GO:0009459  | 1   | 0.924521735 | 0 | 39|
| 3986 | GO:0009460  | 1   | 0.994002571 | 0 | 3 |
| 3987 | GO:0009461  | 1   | 0.995993111 | 0 | 2 |
| 3988 | GO:0009462  | 1   | 0.985900788 | 0 | 7 |
| 3989 | GO:0009463  | 1   | 0.997956413 | 0 | 1 |
| 3990 | GO:0009464  | 1   | 0.994043839 | 0 | 3 |
| 3991 | GO:0009465  | 1   | 0.989950260 | 0 | 5 |
| 3992 | GO:0009466  | 1   | 0.879132747 | 0 | 64|
| 3993 | GO:0009467  | 1   | 0.990066166 | 0 | 5 |
| 3994 | GO:0009468  | 1   | 0.995956195 | 0 | 2 |
| 3995 | GO:0009469  | 1   | 0.987928989 | 0 | 6 |
| 3996 | GO:0009470  | 1   | 0.994013444 | 0 | 3 |
| 3997 | GO:0009471  | 1   | 0.989956427 | 0 | 5 |
| 3998 | GO:0009472  | 1   | 0.842637333 | 0 | 85|
| GO:0009637 | 1 | 0.991965978 | 0 | 4 |
| GO:0009642 | 1 | 0.986049367 | 0 | 7 |
| GO:0009644 | 1 | 0.997980022 | 0 | 1 |
| GO:0009645 | 1 | 0.998001484 | 0 | 1 |
| GO:0009648 | 1 | 0.993951238 | 0 | 3 |
| GO:0009649 | 1 | 0.987984590 | 0 | 6 |
| GO:0009650 | 1 | 0.974138771 | 0 | 13 |
| GO:0009651 | 1 | 0.984058862 | 0 | 8 |
| GO:0009653 | 1 | 0.806141111 | 0 | 107 |
| GO:0009673 | 1 | 0.998003837 | 0 | 1 |
| GO:0009682 | 1 | 0.997989906 | 0 | 1 |
| GO:0009692 | 1 | 0.997988324 | 0 | 1 |
| GO:0009725 | 1 | 0.902412367 | 0 | 51 |
| GO:0009740 | 1 | 0.997995376 | 0 | 1 |
| GO:0009743 | 1 | 0.978131493 | 0 | 11 |
| GO:0009744 | 1 | 0.988067721 | 0 | 6 |
| GO:0009749 | 1 | 0.875562662 | 0 | 66 |
| GO:0009750 | 1 | 0.988028623 | 0 | 6 |
| GO:0009751 | 1 | 0.997986860 | 0 | 1 |
| GO:0009755 | 1 | 0.931905090 | 0 | 35 |
| GO:0009756 | 1 | 0.995985854 | 0 | 2 |
| GO:0009785 | 1 | 0.996011072 | 0 | 2 |
| GO:0009786 | 1 | 0.991965978 | 0 | 7 |
| GO:0009789 | 1 | 0.998003837 | 0 | 1 |
| GO:0009791 | 1 | 0.883172097 | 0 | 62 |
| GO:0009792 | 1 | 0.958758902 | 0 | 21 |
| GO:0009794 | 1 | 0.997987888 | 0 | 1 |
| GO:0009798 | 1 | 0.995930946 | 0 | 2 |
| GO:0009804 | 1 | 0.985943185 | 0 | 7 |
| GO:0009812 | 1 | 0.987920958 | 0 | 6 |
| GO:0009820 | 1 | 0.995971725 | 0 | 2 |
| GO:0009822 | 1 | 0.993948013 | 0 | 3 |
| GO:0009826 | 1 | 0.995993425 | 0 | 2 |
| GO:0009838 | 1 | 0.987946337 | 0 | 6 |
| GO:0009841 | 1 | 0.997984410 | 0 | 1 |
| GO:0009855 | 1 | 0.997905111 | 0 | 1 |
| GO:0009880 | 1 | 0.952948411 | 0 | 24 |
| GO:0009881 | 1 | 0.987996036 | 0 | 6 |
| GO:0009892 | 1 | 0.996011072 | 0 | 2 |
| GO:0009895 | 1 | 0.806141111 | 0 | 107 |
| GO:0009896 | 1 | 0.998001484 | 0 | 1 |
| GO:0009898 | 1 | 0.993948013 | 0 | 3 |
| GO:0009899 | 1 | 0.995993425 | 0 | 2 |
| GO:0009900 | 1 | 0.987946337 | 0 | 6 |
| GO:0009901 | 1 | 0.997905111 | 0 | 1 |
| GO:0009902 | 1 | 0.997905111 | 0 | 1 |
| GO:0009903 | 1 | 0.952948411 | 0 | 24 |
| GO:0009904 | 1 | 0.987996036 | 0 | 6 |
| GO:0009905 | 1 | 0.996011072 | 0 | 2 |
| GO:0009906 | 1 | 0.753040281 | 0 | 141 |
| GO:0009907 | 1 | 0.930567343 | 0 | 36 |
| GO:0009908 | 1 | 0.995918007 | 0 | 2 |
| GO:0009909 | 1 | 0.998000656 | 0 | 1 |
| GO:0009910 | 1 | 0.995993006 | 0 | 2 |
| GO:0009911 | 1 | 0.997997716 | 0 | 1 |
| GO      |    |       |     |   |
|---------|----|-------|-----|---|
| GO:0009898 | 1 | 0.904545378 | 0 | 50 |
| GO:0009912 | 1 | 0.994022477 | 0 | 3  |
| GO:0009913 | 1 | 0.98407866  | 0 | 8  |
| GO:0009914 | 1 | 0.997983649 | 0 | 1  |
| GO:0009917 | 1 | 0.997985764 | 0 | 1  |
| GO:0009922 | 1 | 0.987988928 | 0 | 6  |
| GO:0009923 | 1 | 0.995989933 | 0 | 2  |
| GO:0009925 | 1 | 0.908251425 | 0 | 48 |
| GO:0009931 | 1 | 0.986021458 | 0 | 7  |
| GO:0009946 | 1 | 0.997985764 | 0 | 1  |
| GO:0009948 | 1 | 0.97217743  | 0 | 14 |
| GO:0009949 | 1 | 0.997971213 | 0 | 1  |
| GO:0009950 | 1 | 0.986015852 | 0 | 7  |
| GO:0009952 | 1 | 0.875770046 | 0 | 66 |
| GO:0009953 | 1 | 0.932112375 | 0 | 35 |
| GO:0009954 | 1 | 0.96852959  | 0 | 16 |
| GO:0009956 | 1 | 0.998006674 | 0 | 1  |
| GO:0009957 | 1 | 0.994017593 | 0 | 3  |
| GO:0009966 | 1 | 0.917189728 | 0 | 43 |
| GO:0009967 | 1 | 0.984113384 | 0 | 8  |
| GO:0009968 | 1 | 0.887949661 | 0 | 59 |
| GO:0009972 | 1 | 0.977957735 | 0 | 11 |
| GO:0009982 | 1 | 0.974098745 | 0 | 13 |
| GO:0009987 | 1 | 0.976157977 | 0 | 12 |
| GO:0009998 | 1 | 0.98801143  | 0 | 6  |
| GO:0009999 | 1 | 0.991936187 | 0 | 4  |
| GO:0009994 | 1 | 0.99394878  | 0 | 3  |
| GO:0010001 | 1 | 0.972370473 | 0 | 14 |
| GO:0010002 | 1 | 0.998013192 | 0 | 1  |
| GO:0010021 | 1 | 0.997996716 | 0 | 1  |
| GO:0010033 | 1 | 0.988093883 | 0 | 6  |
| GO:0010035 | 1 | 0.985100616 | 0 | 80 |
| GO:0010034 | 1 | 0.998002211 | 0 | 1  |
| GO:0010035 | 1 | 0.970318538 | 0 | 15 |
| GO:0010038 | 1 | 0.968239189 | 0 | 16 |
| GO:0010039 | 1 | 0.968389123 | 0 | 16 |
| GO:0010040 | 1 | 0.991963509 | 0 | 4  |
| GO:0010041 | 1 | 0.99397653  | 0 | 3  |
| GO:0010042 | 1 | 0.986013246 | 0 | 7  |
| GO:0010043 | 1 | 0.944983349 | 0 | 28 |
| GO:0010044 | 1 | 0.991978028 | 0 | 4  |
| GO:0010046 | 1 | 0.993926247 | 0 | 3  |
| GO:0010070 | 1 | 0.997985293 | 0 | 1  |
| GO:0010106 | 1 | 0.997977701 | 0 | 1 |
|-------------|---|--------------|---|---|
| GO:0010121 | 1 | 0.99798312  | 0 | 1 |
| GO:0010124 | 1 | 0.995943736 | 0 | 2 |
| GO:0010133 | 1 | 0.995984286 | 0 | 2 |
| GO:0010142 | 1 | 0.995990578 | 0 | 2 |
| GO:0010155 | 1 | 0.995972615 | 0 | 2 |
| GO:0010157 | 1 | 0.998013437 | 0 | 2 |
| GO:0010164 | 1 | 0.997971972 | 0 | 1 |
| GO:0010165 | 1 | 0.960617718 | 0 | 20|
| GO:0010171 | 1 | 0.997983394 | 0 | 1 |
| GO:0010172 | 1 | 0.988053531 | 0 | 6 |
| GO:0010181 | 1 | 0.972285397 | 0 | 14|
| GO:0010186 | 1 | 0.997988898 | 0 | 1 |
| GO:0010189 | 1 | 0.997973071 | 0 | 1 |
| GO:0010193 | 1 | 0.991909365 | 0 | 4 |
| GO:0010212 | 1 | 0.909861707 | 0 | 47|
| GO:0010216 | 1 | 0.986133788 | 0 | 7 |
| GO:0010224 | 1 | 0.984032912 | 0 | 8 |
| GO:0010225 | 1 | 0.98014231  | 0 | 10|
| GO:0010226 | 1 | 0.980113359 | 0 | 10|
| GO:0010232 | 1 | 0.99796294  | 0 | 1 |
| GO:0010243 | 1 | 0.941349845 | 0 | 30|
| GO:0010248 | 1 | 0.980052655 | 0 | 10|
| GO:0010255 | 1 | 0.99596914  | 0 | 2 |
| GO:0010256 | 1 | 0.996030731 | 0 | 2 |
| GO:0010257 | 1 | 0.995958212 | 0 | 2 |
| GO:0010259 | 1 | 0.972264446 | 0 | 14|
| GO:0010260 | 1 | 0.995980597 | 0 | 2 |
| GO:0010265 | 1 | 0.988027119 | 0 | 6 |
| GO:0010266 | 1 | 0.995956661 | 0 | 2 |
| GO:0010269 | 1 | 0.984002892 | 0 | 8 |
| GO:0010272 | 1 | 0.997987912 | 0 | 1 |
| GO:0010273 | 1 | 0.97974702 | 0 | 10|
| GO:0010288 | 1 | 0.958619855 | 0 | 21|
| GO:0010309 | 1 | 0.997973009 | 0 | 1 |
| GO:0010310 | 1 | 0.98796186 | 0 | 6 |
| GO:0010312 | 1 | 0.995974908 | 0 | 2 |
| GO:0010314 | 1 | 0.96259234 | 0 | 19|
| GO:0010324 | 1 | 0.98797137 | 0 | 6 |
| GO:0010348 | 1 | 0.997990564 | 0 | 1 |
| GO:0010359 | 1 | 0.995956075 | 0 | 2 |
| GO:0010360 | 1 | 0.996006084 | 0 | 2 |
| GO:0010369 | 1 | 0.976202279 | 0 | 12|
| GO:0010370 | 1 | 0.995988617 | 0 | 2 |
| ID   | GO:0010385 | 1   | 0.990048711 | 0   | 5   |
|------|------------|-----|-------------|-----|-----|
| ID   | GO:0010387 | 1   | 0.989961893 | 0   | 5   |
| ID   | GO:0010389 | 1   | 0.849631789 | 0   | 81  |
| ID   | GO:0010390 | 1   | 0.976265342 | 0   | 12  |
| ID   | GO:0010420 | 1   | 0.997965466 | 0   | 1   |
| ID   | GO:0010424 | 1   | 0.99800641  | 0   | 1   |
| ID   | GO:0010428 | 1   | 0.998013437 | 0   | 1   |
| ID   | GO:0010430 | 1   | 0.989997454 | 0   | 5   |
| ID   | GO:0010436 | 1   | 0.99598669  | 0   | 2   |
| ID   | GO:0010446 | 1   | 0.99762035  | 0   | 1   |
| ID   | GO:0010447 | 1   | 0.97810113  | 0   | 11  |
| ID   | GO:0010453 | 1   | 0.997974922 | 0   | 1   |
| ID   | GO:0010454 | 1   | 0.993956702 | 0   | 3   |
| ID   | GO:0010455 | 1   | 0.997976841 | 0   | 1   |
| ID   | GO:0010457 | 1   | 0.976347389 | 0   | 12  |
| ID   | GO:0010458 | 1   | 0.976091167 | 0   | 12  |
| ID   | GO:0010459 | 1   | 0.98602499  | 0   | 7   |
| ID   | GO:0010460 | 1   | 0.96441932  | 0   | 18  |
| ID   | GO:0010463 | 1   | 0.995982072 | 0   | 2   |
| ID   | GO:0010464 | 1   | 0.998013437 | 0   | 1   |
| ID   | GO:0010465 | 1   | 0.998013437 | 0   | 1   |
| ID   | GO:0010467 | 1   | 0.917309944 | 0   | 43  |
| ID   | GO:0010469 | 1   | 0.978186573 | 0   | 11  |
| ID   | GO:0010470 | 1   | 0.982180569 | 0   | 9   |
| ID   | GO:0010477 | 1   | 0.997998115 | 0   | 1   |
| ID   | GO:0010481 | 1   | 0.99801181  | 0   | 1   |
| ID   | GO:0010482 | 1   | 0.993980542 | 0   | 3   |
| ID   | GO:0010484 | 1   | 0.992059802 | 0   | 4   |
| ID   | GO:0010485 | 1   | 0.984094892 | 0   | 8   |
| ID   | GO:0010494 | 1   | 0.860326695 | 0   | 75  |
| ID   | GO:0010498 | 1   | 0.972271334 | 0   | 14  |
| ID   | GO:0010499 | 1   | 0.958168064 | 0   | 21  |
| ID   | GO:0010501 | 1   | 0.98409037  | 0   | 8   |
| ID   | GO:0010507 | 1   | 0.911716445 | 0   | 46  |
| ID   | GO:0010508 | 1   | 0.882852718 | 0   | 62  |
| ID   | GO:0010509 | 1   | 0.998013412 | 0   | 1   |
| ID   | GO:0010510 | 1   | 0.984117131 | 0   | 8   |
| ID   | GO:0010512 | 1   | 0.995987292 | 0   | 2   |
| ID   | GO:0010513 | 1   | 0.99798234  | 0   | 1   |
| ID   | GO:0010517 | 1   | 0.997996934 | 0   | 1   |
| ID   | GO:0010518 | 1   | 0.98407522  | 0   | 8   |
| ID   | GO:0010519 | 1   | 0.997967045 | 0   | 1   |
| ID   | GO:0010521 | 1   | 0.989965154 | 0   | 5   |
| ID   | GO:0010522 | 1   | 0.997993296 | 0   | 1   |
| ID   | GO:0010523 | 1   | 0.99402658  | 0   | 3   |
| Gene ID | Description | Value of FDR | Number of Bonferroni corrections | Number of Fisher corrections |
|---------|-------------|---------------|----------------------------------|-------------------------------|
| 4192 GO:0010524 | 1 | 0.982006497 | 0 | 9 |
| 4193 GO:0010526 | 1 | 0.993995838 | 0 | 3 |
| 4194 GO:0010529 | 1 | 0.964429629 | 0 | 18 |
| 4195 GO:0010533 | 1 | 0.97964448 | 0 | 1 |
| 4196 GO:0010536 | 1 | 0.98953616 | 0 | 5 |
| 4197 GO:0010543 | 1 | 0.98997886 | 0 | 5 |
| 4198 GO:0010544 | 1 | 0.9840373 | 0 | 8 |
| 4199 GO:0010557 | 1 | 0.998006351 | 0 | 1 |
| 4200 GO:0010559 | 1 | 0.998005976 | 0 | 1 |
| 4201 GO:0010560 | 1 | 0.99597126 | 0 | 2 |
| 4202 GO:0010564 | 1 | 0.978192245 | 0 | 11 |
| 4203 GO:0010565 | 1 | 0.992037878 | 0 | 4 |
| 4204 GO:0010566 | 1 | 0.97996671 | 0 | 1 |
| 4205 GO:0010569 | 1 | 0.962489025 | 0 | 19 |
| 4206 GO:0010571 | 1 | 0.988090041 | 0 | 6 |
| 4207 GO:0010572 | 1 | 0.992019479 | 0 | 4 |
| 4208 GO:0010573 | 1 | 0.98600963 | 0 | 7 |
| 4209 GO:0010574 | 1 | 0.995947563 | 0 | 2 |
| 4210 GO:0010575 | 1 | 0.951060226 | 0 | 25 |
| 4211 GO:0010585 | 1 | 0.997977382 | 0 | 1 |
| 4212 GO:0010586 | 1 | 0.968357857 | 0 | 16 |
| 4213 GO:0010587 | 1 | 0.988029599 | 0 | 6 |
| 4214 GO:0010591 | 1 | 0.980028011 | 0 | 10 |
| 4215 GO:0010592 | 1 | 0.949189285 | 0 | 26 |
| 4216 GO:0010593 | 1 | 0.994015808 | 0 | 3 |
| 4217 GO:0010594 | 1 | 0.98213566 | 0 | 9 |
| 4218 GO:0010595 | 1 | 0.882884688 | 0 | 62 |
| 4219 GO:0010596 | 1 | 0.958798072 | 0 | 21 |
| 4220 GO:0010603 | 1 | 0.966021498 | 0 | 2 |
| 4221 GO:0010606 | 1 | 0.98812363 | 0 | 6 |
| 4222 GO:0010607 | 1 | 0.995972488 | 0 | 2 |
| 4223 GO:0010608 | 1 | 0.947374595 | 0 | 27 |
| 4224 GO:0010609 | 1 | 0.99367496 | 0 | 3 |
| 4225 GO:0010610 | 1 | 0.998013437 | 0 | 1 |
| 4226 GO:0010611 | 1 | 0.997974067 | 0 | 1 |
| 4227 GO:0010613 | 1 | 0.96267241 | 0 | 19 |
| 4228 GO:0010614 | 1 | 0.982069467 | 0 | 9 |
| 4229 GO:0010621 | 1 | 0.99393798 | 0 | 3 |
| 4230 GO:0010623 | 1 | 0.997969271 | 0 | 1 |
| 4231 GO:0010625 | 1 | 0.997985882 | 0 | 1 |
| 4232 GO:0010626 | 1 | 0.992032337 | 0 | 4 |
| 4234 GO:0010629 | 1 | 0.61102322 | 0 | 244 |
| 4235 GO:0010631 | 1 | 0.99007241 | 0 | 5 |
| 4236 GO:0010632 | 1 | 0.988118211 | 0 | 6 |
| 4237 GO:0010633 | 1 | 0.970306027 | 0 | 15 |
| GO:0010635 | 1 | 0.997989952 | 0 | 1 |
| GO:0010636 | 1 | 0.991996786 | 0 | 4 |
| GO:0010637 | 1 | 0.982074757 | 0 | 9 |
| GO:0010638 | 1 | 0.99201117 | 0 | 4 |
| GO:0010639 | 1 | 0.998007827 | 0 | 1 |
| GO:0010640 | 1 | 0.995996303 | 0 | 2 |
| GO:0010641 | 1 | 0.984046822 | 0 | 8 |
| GO:0010642 | 1 | 0.995995305 | 0 | 2 |
| GO:0010643 | 1 | 0.986029357 | 0 | 7 |
| GO:0010644 | 1 | 0.986069279 | 0 | 7 |
| GO:0010645 | 1 | 0.991979276 | 0 | 4 |
| GO:0010646 | 1 | 0.99799233 | 0 | 1 |
| GO:0010647 | 1 | 0.987973491 | 0 | 6 |
| GO:0010648 | 1 | 0.989976153 | 0 | 5 |
| GO:0010649 | 1 | 0.976237705 | 0 | 12 |
| GO:0010650 | 1 | 0.96241608 | 0 | 19 |
| GO:0010651 | 1 | 0.992042731 | 0 | 4 |
| GO:0010652 | 1 | 0.986047244 | 0 | 7 |
| GO:0010653 | 1 | 0.994009107 | 0 | 3 |
| GO:0010654 | 1 | 0.988106676 | 0 | 6 |
| GO:0010655 | 1 | 0.991948377 | 0 | 4 |
| GO:0010656 | 1 | 0.992001763 | 0 | 4 |
| GO:0010657 | 1 | 0.994007378 | 0 | 3 |
| GO:0010658 | 1 | 0.996006352 | 0 | 2 |
| GO:0010659 | 1 | 0.990069992 | 0 | 5 |
| GO:0010660 | 1 | 0.998010924 | 0 | 1 |
| GO:0010661 | 1 | 0.99600248 | 0 | 2 |
| GO:0010662 | 1 | 0.997955724 | 0 | 1 |
| GO:0010663 | 1 | 0.997975423 | 0 | 1 |
| GO:0010664 | 1 | 0.990063692 | 0 | 5 |
| GO:0010665 | 1 | 0.993965662 | 0 | 3 |
| GO:0010666 | 1 | 0.974375866 | 0 | 13 |
| GO:0010667 | 1 | 0.917271242 | 0 | 43 |
| GO:0010668 | 1 | 0.943263949 | 0 | 29 |
| GO:0010669 | 1 | 0.997979199 | 0 | 1 |
| GO:0010670 | 1 | 0.998013437 | 0 | 1 |
| GO:0010671 | 1 | 0.995992566 | 0 | 2 |
| GO:0010672 | 1 | 0.995883944 | 0 | 2 |
| GO:0010673 | 1 | 0.98991566 | 0 | 5 |
| GO:0010674 | 1 | 0.992008832 | 0 | 4 |
| GO:0010675 | 1 | 0.995938944 | 0 | 2 |
| GO:0010676 | 1 | 0.994019206 | 0 | 3 |
| GO:0010677 | 1 | 0.998010126 | 0 | 1 |
| GO          | Count | Log2FoldChange | p-value |
|-------------|-------|----------------|---------|
| GO:0010737  | 1     | 0.980146631    | 0       |
| GO:0010738  | 1     | 0.974292623    | 0       |
| GO:0010739  | 1     | 0.978133244    | 0       |
| GO:0010743  | 1     | 0.99785513     | 0       |
| GO:0010748  | 1     | 0.992055668    | 0       |
| GO:0010749  | 1     | 0.998001964    | 0       |
| GO:0010750  | 1     | 0.992006411    | 0       |
| GO:0010751  | 1     | 0.993987574    | 0       |
| GO:0010752  | 1     | 0.996023517    | 0       |
| GO:0010753  | 1     | 0.989932246    | 0       |
| GO:0010754  | 1     | 0.990071755    | 0       |
| GO:0010755  | 1     | 0.998013437    | 0       |
| GO:0010756  | 1     | 0.987933171    | 0       |
| GO:0010757  | 1     | 0.987978523    | 0       |
| GO:0010758  | 1     | 0.99401387     | 0       |
| GO:0010759  | 1     | 0.968220142    | 0       |
| GO:0010760  | 1     | 0.98990229     | 0       |
| GO:0010761  | 1     | 0.976232649    | 0       |
| GO:0010762  | 1     | 0.976250966    | 0       |
| GO:0010763  | 1     | 0.974302568    | 0       |
| GO:0010764  | 1     | 0.984027562    | 0       |
| GO:0010765  | 1     | 0.97044216     | 0       |
| GO:0010766  | 1     | 0.986106008    | 0       |
| GO:0010767  | 1     | 0.993989503    | 0       |
| GO:0010768  | 1     | 0.998013437    | 0       |
| GO:0010769  | 1     | 0.998013437    | 0       |
| GO:0010770  | 1     | 0.998013437    | 0       |
| GO:0010771  | 1     | 0.988016144    | 0       |
| GO:0010772  | 1     | 0.99003645     | 0       |
| GO:0010773  | 1     | 0.995974293    | 0       |
| GO:0010774  | 1     | 0.995963996    | 0       |
| GO:0010775  | 1     | 0.947245229    | 0       |
| GO:0010776  | 1     | 0.960550614    | 0       |
| GO:0010777  | 1     | 0.939606223    | 0       |
| GO:0010778  | 1     | 0.966219211    | 0       |
| GO:0010779  | 1     | 0.986046436    | 0       |
| GO:0010780  | 1     | 0.998013437    | 0       |
| GO:0010781  | 1     | 0.99598665     | 0       |
| GO:0010782  | 1     | 0.939641838    | 0       |
| GO:0010783  | 1     | 0.9665332957   | 0       |
| GO:0010784  | 1     | 0.997969391    | 0       |
| GO:0010785  | 1     | 0.998013105    | 0       |
| GO:0010815 | 1 | 0.992005569 | 0 | 4 |
| GO:0010816 | 1 | 0.998013105 | 0 | 1 |
| GO:0010817 | 1 | 0.992016064 | 0 | 4 |
| GO:0010820 | 1 | 0.978109963 | 0 | 11 |
| GO:0010821 | 1 | 0.958602229 | 0 | 21 |
| GO:0010822 | 1 | 0.99003184 | 0 | 5 |
| GO:0010823 | 1 | 0.993935607 | 0 | 3 |
| GO:0010824 | 1 | 0.992006883 | 0 | 4 |
| GO:0010825 | 1 | 0.989984275 | 0 | 5 |
| GO:0010826 | 1 | 0.982134103 | 0 | 9 |
| GO:0010827 | 1 | 0.990049338 | 0 | 5 |
| GO:0010828 | 1 | 0.989950084 | 0 | 5 |
| GO:0010829 | 1 | 0.990026863 | 0 | 5 |
| GO:0010830 | 1 | 0.984111579 | 0 | 8 |
| GO:0010831 | 1 | 0.974184937 | 0 | 13 |
| GO:0010832 | 1 | 0.982037371 | 0 | 9 |
| GO:0010833 | 1 | 0.990034985 | 0 | 5 |
| GO:0010834 | 1 | 0.993945242 | 0 | 3 |
| GO:0010835 | 1 | 0.986043423 | 0 | 7 |
| GO:0010836 | 1 | 0.978173272 | 0 | 11 |
| GO:0010837 | 1 | 0.970280969 | 0 | 15 |
| GO:0010838 | 1 | 0.99801271 | 0 | 1 |
| GO:0010839 | 1 | 0.958900547 | 0 | 21 |
| GO:0010840 | 1 | 0.996019312 | 0 | 2 |
| GO:0010841 | 1 | 0.996012914 | 0 | 2 |
| GO:0010842 | 1 | 0.997981809 | 0 | 1 |
| GO:0010843 | 1 | 0.996003745 | 0 | 2 |
| GO:0010844 | 1 | 0.989973584 | 0 | 5 |
| GO:0010845 | 1 | 0.97989146 | 0 | 1 |
| GO:0010846 | 1 | 0.998000642 | 0 | 1 |
| GO:0010847 | 1 | 0.998010498 | 0 | 1 |
| GO:0010848 | 1 | 0.926437589 | 0 | 38 |
| GO:0010849 | 1 | 0.974350462 | 0 | 13 |
| GO:0010850 | 1 | 0.995976461 | 0 | 2 |
| GO:0010851 | 1 | 0.974169856 | 0 | 13 |
| GO:0010852 | 1 | 0.996020721 | 0 | 2 |
| GO:0010853 | 1 | 0.99196358 | 0 | 4 |
| GO:0010854 | 1 | 0.986022385 | 0 | 7 |
| GO:0010855 | 1 | 0.95673959 | 0 | 22 |
| GO:0010856 | 1 | 0.992022519 | 0 | 4 |
| GO:0010857 | 1 | 0.997963771 | 0 | 1 |
| GO:0010858 | 1 | 0.99800348 | 0 | 1 |
| GO:0010859 | 1 | 0.96635976 | 0 | 17 |
| GO:0010860 | 1 | 0.96057807 | 0 | 20 |
| 4381 | GO:0010882 | 1 | 0.984121305 | 0 | 8 |
| 4382 | GO:0010883 | 1 | 0.984110744 | 0 | 8 |
| 4383 | GO:0010884 | 1 | 0.978181106 | 0 | 11 |
| 4384 | GO:0010886 | 1 | 0.988055145 | 0 | 6 |
| 4385 | GO:0010887 | 1 | 0.982067908 | 0 | 9 |
| 4386 | GO:0010888 | 1 | 0.982051842 | 0 | 9 |
| 4387 | GO:0010889 | 1 | 0.978181106 | 0 | 11 |
| 4388 | GO:0010890 | 1 | 0.988055145 | 0 | 6 |
| 4389 | GO:0010891 | 1 | 0.982067908 | 0 | 9 |
| 4390 | GO:0010892 | 1 | 0.982051842 | 0 | 9 |
| 4391 | GO:0010893 | 1 | 0.978181106 | 0 | 11 |
| 4392 | GO:0010894 | 1 | 0.988055145 | 0 | 6 |
| 4393 | GO:0010895 | 1 | 0.982067908 | 0 | 9 |
| 4394 | GO:0010896 | 1 | 0.982051842 | 0 | 9 |
| 4395 | GO:0010897 | 1 | 0.978181106 | 0 | 11 |
| 4396 | GO:0010898 | 1 | 0.988055145 | 0 | 6 |
| 4397 | GO:0010899 | 1 | 0.982067908 | 0 | 9 |
| 4398 | GO:0010900 | 1 | 0.982051842 | 0 | 9 |
| 4399 | GO:0010901 | 1 | 0.978181106 | 0 | 11 |
| 4400 | GO:0010902 | 1 | 0.988055145 | 0 | 6 |
| 4401 | GO:0010903 | 1 | 0.982067908 | 0 | 9 |
| 4402 | GO:0010904 | 1 | 0.982051842 | 0 | 9 |
| 4403 | GO:0010905 | 1 | 0.978181106 | 0 | 11 |
| 4404 | GO:0010906 | 1 | 0.982067908 | 0 | 9 |
| 4405 | GO:0010907 | 1 | 0.982051842 | 0 | 9 |
| 4406 | GO:0010908 | 1 | 0.978181106 | 0 | 11 |
| 4407 | GO:0010909 | 1 | 0.982067908 | 0 | 9 |
| 4408 | GO:0010910 | 1 | 0.982051842 | 0 | 9 |
| 4409 | GO:0010911 | 1 | 0.978181106 | 0 | 11 |
| 4410 | GO:0010912 | 1 | 0.982067908 | 0 | 9 |
| 4411 | GO:0010913 | 1 | 0.982051842 | 0 | 9 |
| 4412 | GO:0010914 | 1 | 0.978181106 | 0 | 11 |
| 4413 | GO:0010915 | 1 | 0.982067908 | 0 | 9 |
| 4414 | GO:0010916 | 1 | 0.982051842 | 0 | 9 |
| 4415 | GO:0010917 | 1 | 0.978181106 | 0 | 11 |
| 4416 | GO:0010918 | 1 | 0.982067908 | 0 | 9 |
| 4417 | GO:0010919 | 1 | 0.982051842 | 0 | 9 |
| 4418 | GO:0010920 | 1 | 0.978181106 | 0 | 11 |
| 4419 | GO:0010921 | 1 | 0.982067908 | 0 | 9 |
| 4420 | GO:0010922 | 1 | 0.982051842 | 0 | 9 |
| 4421 | GO:0010923 | 1 | 0.978181106 | 0 | 11 |
| 4422 | GO:0010924 | 1 | 0.982067908 | 0 | 9 |
| 4423 | GO:0010925 | 1 | 0.982051842 | 0 | 9 |
| 4424 | GO:0010926 | 1 | 0.978181106 | 0 | 11 |
| 4425 | GO:0010927 | 1 | 0.982067908 | 0 | 9 |
| 4426 | GO:0010928 | 1 | 0.982051842 | 0 | 9 |
| GO          | Description     | Count | Symbol Frequency | Category | Reference Count |
|-------------|-----------------|-------|------------------|----------|-----------------|
| GO:0010965  |                 | 1     | 0.998013437      | 0        | 1               |
| GO:0010966  |                 | 1     | 0.998013437      | 0        | 1               |
| GO:0010968  |                 | 1     | 0.997982836      | 0        | 1               |
| GO:0010970  |                 | 1     | 0.994008055      | 0        | 3               |
| GO:0010971  |                 | 1     | 0.949076845      | 0        | 26              |
| GO:0010972  |                 | 1     | 0.892556368      | 0        | 56              |
| GO:0010975  |                 | 1     | 0.93410717       | 0        | 34              |
| GO:0010976  |                 | 1     | 0.787050394      | 0        | 119             |
| GO:0010977  |                 | 1     | 0.873983774      | 0        | 67              |
| GO:0010980  |                 | 1     | 0.996002509      | 0        | 2               |
| GO:0010983  |                 | 1     | 0.993965338      | 0        | 3               |
| GO:0010988  |                 | 1     | 0.995962048      | 0        | 2               |
| GO:0010989  |                 | 1     | 0.98598988       | 0        | 7               |
| GO:0010990  |                 | 1     | 0.998007582      | 0        | 1               |
| GO:0010991  |                 | 1     | 0.992031225      | 0        | 4               |
| GO:0010992  |                 | 1     | 0.994042357      | 0        | 3               |
| GO:0010994  |                 | 1     | 0.987961833      | 0        | 6               |
| GO:0010997  |                 | 1     | 0.984029224      | 0        | 8               |
| GO:0010998  |                 | 1     | 0.992049464      | 0        | 4               |
| GO:0010999  |                 | 1     | 0.991963717      | 0        | 4               |
| GO:0012501  |                 | 1     | 0.950864242      | 0        | 25              |
| GO:0012502  |                 | 1     | 0.997982564      | 0        | 1               |
| GO:0012505  |                 | 1     | 0.721117984      | 0        | 162             |
| GO:0012507  |                 | 1     | 0.893247303      | 0        | 56              |
| GO:0012510  |                 | 1     | 0.995943619      | 0        | 2               |
| GO:0014002  |                 | 1     | 0.968306881      | 0        | 16              |
| GO:0014003  |                 | 1     | 0.954691273      | 0        | 23              |
| GO:0014004  |                 | 1     | 0.99798512       | 0        | 1               |
| GO:0014005  |                 | 1     | 0.992013285      | 0        | 4               |
| GO:0014008  |                 | 1     | 0.997981889      | 0        | 1               |
| GO:0014009  |                 | 1     | 0.986057122      | 0        | 7               |
| GO:0014010  |                 | 1     | 0.99599813       | 0        | 2               |
| GO:0014012  |                 | 1     | 0.987965571      | 0        | 6               |
| GO:0014013  |                 | 1     | 0.996006046      | 0        | 2               |
| GO:0014015  |                 | 1     | 0.996012408      | 0        | 2               |
| GO:0014016  |                 | 1     | 0.997986922      | 0        | 1               |
| GO:0014028  |                 | 1     | 0.994002757      | 0        | 3               |
| GO:0014029  |                 | 1     | 0.986061599      | 0        | 7               |
| GO:0014031  |                 | 1     | 0.990057064      | 0        | 5               |
| GO:0014032  |                 | 1     | 0.954863058      | 0        | 23              |
| GO:0014033  |                 | 1     | 0.984108604      | 0        | 8               |
| GO:0014034  |                 | 1     | 0.998010994      | 0        | 1               |
| GO:0014036  |                 | 1     | 0.998006804      | 0        | 1               |
| GO:0014037  |                 | 1     | 0.982153078      | 0        | 9               |
| GO:0014038  |                 | 1     | 0.997974295      | 0        | 1               |
| ID    | GO:0014040 | P   | q   | 4   |
|-------|------------|-----|-----|-----|
| GO:0014041 | 0.99597886 | 0   | 2   |
| GO:0014042 | 0.990086673 | 0   | 5   |
| GO:0014043 | 0.99589121 | 0   | 2   |
| GO:0014044 | 0.980156372 | 0   | 10  |
| GO:0014045 | 0.99596919 | 0   | 2   |
| GO:0014049 | 0.990022584 | 0   | 5   |
| GO:0014050 | 0.99399166 | 0   | 3   |
| GO:0014051 | 0.998013437 | 0   | 1   |
| GO:0014052 | 0.997989325 | 0   | 1   |
| GO:0014053 | 0.99596879 | 0   | 2   |
| GO:0014054 | 0.954831681 | 0   | 23  |
| GO:0014055 | 0.998012706 | 0   | 1   |
| GO:0014056 | 0.995993812 | 0   | 2   |
| GO:0014057 | 0.997889325 | 0   | 1   |
| GO:0014058 | 0.998013437 | 0   | 1   |
| GO:0014059 | 0.99399166 | 0   | 3   |
| GO:0014060 | 0.998012706 | 0   | 1   |
| GO:0014061 | 0.994005702 | 0   | 3   |
| GO:0014062 | 0.998011379 | 0   | 1   |
| GO:0014063 | 0.928540044 | 0   | 37  |
| GO:0014064 | 0.956786017 | 0   | 22  |
| GO:0014065 | 0.978177003 | 0   | 11  |
| GO:0014066 | 0.848266491 | 0   | 82  |
| GO:0014067 | 0.992062036 | 0   | 4   |
| GO:0014068 | 0.974242482 | 0   | 13  |
| GO:0014069 | 0.982203832 | 0   | 9   |
| GO:0014070 | 0.911932866 | 0   | 46  |
| GO:0014071 | 0.998009617 | 0   | 1   |
| GO:0014072 | 0.991988254 | 0   | 4   |
| GO:0014073 | 0.995968234 | 0   | 2   |
| GO:0014074 | 0.995968234 | 0   | 2   |
| GO:0014075 | 0.994010848 | 0   | 3   |
| GO:0014076 | 0.99799233 | 0   | 1   |
| GO:0014077 | 0.986115348 | 0   | 7   |
| GO:0014078 | 0.99198213 | 0   | 4   |
| GO:0014079 | 0.996017057 | 0   | 2   |
| GO:0014080 | 0.995985031 | 0   | 2   |
| GO:0014081 | 0.998013437 | 0   | 1   |
| GO:0014082 | 0.991960356 | 0   | 4   |
| GO:0014083 | 0.99797969 | 0   | 1   |
| GO:0014084 | 0.997969861 | 0   | 1   |
| GO ID    | GO Term          | Count | Normalized Score | p-value | q-value |
|----------|------------------|-------|------------------|---------|---------|
| GO:0014806 |                 | 1     | 0.995960849      | 0       | 2       |
| GO:0014807 |                 | 1     | 0.991999983      | 0       | 4       |
| GO:0014808 |                 | 1     | 0.989985947      | 0       | 5       |
| GO:0014809 |                 | 1     | 0.993970202      | 0       | 3       |
| GO:0014810 |                 | 1     | 0.99755906      | 0       | 1       |
| GO:0014816 |                 | 1     | 0.992040332      | 0       | 4       |
| GO:0014819 |                 | 1     | 0.99389452      | 0       | 3       |
| GO:0014820 |                 | 1     | 0.998013437      | 0       | 1       |
| GO:0014823 |                 | 1     | 0.913380835      | 0       | 45      |
| GO:0014824 |                 | 1     | 0.983996459      | 0       | 8       |
| GO:0014826 |                 | 1     | 0.993966972      | 0       | 3       |
| GO:0014827 |                 | 1     | 0.991961757      | 0       | 4       |
| GO:0014829 |                 | 1     | 0.99027598      | 0       | 5       |
| GO:0014832 |                 | 1     | 0.992009598      | 0       | 4       |
| GO:0014834 |                 | 1     | 0.990011618      | 0       | 5       |
| GO:0014835 |                 | 1     | 0.99782996      | 0       | 1       |
| GO:0014839 |                 | 1     | 0.991948647      | 0       | 4       |
| GO:0014841 |                 | 1     | 0.996030731      | 0       | 2       |
| GO:0014842 |                 | 1     | 0.99009395      | 0       | 5       |
| GO:0014843 |                 | 1     | 0.998013437      | 0       | 1       |
| GO:0014846 |                 | 1     | 0.996026905      | 0       | 2       |
| GO:0014850 |                 | 1     | 0.954848981      | 0       | 23      |
| GO:0014854 |                 | 1     | 0.993956796      | 0       | 3       |
| GO:0014857 |                 | 1     | 0.99789472      | 0       | 1       |
| GO:0014858 |                 | 1     | 0.995965762      | 0       | 2       |
| GO:0014861 |                 | 1     | 0.998013349      | 0       | 1       |
| GO:0014866 |                 | 1     | 0.997977936      | 0       | 1       |
| GO:0014870 |                 | 1     | 0.997977969      | 0       | 1       |
| GO:0014873 |                 | 1     | 0.995982373      | 0       | 2       |
| GO:0014876 |                 | 1     | 0.997967648      | 0       | 1       |
| GO:0014878 |                 | 1     | 0.998013437      | 0       | 1       |
| GO:0014883 |                 | 1     | 0.98992723      | 0       | 5       |
| GO:0014886 |                 | 1     | 0.99799835      | 0       | 1       |
| GO:0014889 |                 | 1     | 0.997987997      | 0       | 1       |
| GO:0014891 |                 | 1     | 0.997990285      | 0       | 1       |
| GO:0014894 |                 | 1     | 0.984134485      | 0       | 8       |
| GO:0014895 |                 | 1     | 0.997953993      | 0       | 1       |
| GO:0014896 |                 | 1     | 0.998013437      | 0       | 1       |
| GO:0014898 |                 | 1     | 0.97625448      | 0       | 12      |
| GO:0014901 |                 | 1     | 0.996016888      | 0       | 2       |
| GO:0014902 |                 | 1     | 0.98209374      | 0       | 9       |
| GO:0014904 |                 | 1     | 0.992018172      | 0       | 4       |
| GO:0014905 |                 | 1     | 0.9919625      | 0       | 4       |
| GO:0014908 |                 | 1     | 0.996016888      | 0       | 2       |
| GO:0014909 |                 | 1     | 0.986028088      | 0       | 7       |
| GO ID    | GO Term       | Value  | Log2FC | FDR   |
|----------|---------------|--------|--------|-------|
| GO:0014910 |               | 1      | 0.990043481 | 0   | 5   |
| GO:0014911 |               | 1      | 0.96257938    | 0   | 19  |
| GO:0014912 |               | 1      | 0.972361347  | 0   | 14  |
| GO:0014916 |               | 1      | 0.994014555  | 0   | 3   |
| GO:0015020 |               | 1      | 0.997990564  | 0   | 1   |
| GO:0015021 |               | 1      | 0.998013223  | 0   | 1   |
| GO:0015022 |               | 1      | 0.998036687  | 0   | 5   |
| GO:0015023 |               | 1      | 0.998057288  | 0   | 4   |
| GO:0015024 |               | 1      | 0.99996088   | 0   | 3   |
| GO:0015025 |               | 1      | 0.949236068  | 0   | 26  |
| GO:0015026 |               | 1      | 0.941355823  | 0   | 57  |
| GO:0015027 |               | 1      | 0.962318998  | 0   | 19  |
| GO:0015028 |               | 1      | 0.989993094  | 0   | 5   |
| GO:0015029 |               | 1      | 0.985941548  | 0   | 7   |
| GO:0015030 |               | 1      | 0.995929794  | 0   | 2   |
| GO:0015031 |               | 1      | 0.997976892  | 0   | 1   |
| GO:0015032 |               | 1      | 0.997975715  | 0   | 1   |
| GO:0015033 |               | 1      | 0.99201205   | 0   | 4   |
| GO:0015034 |               | 1      | 0.997987997  | 0   | 1   |
| GO:0015035 |               | 1      | 0.997987997  | 0   | 1   |
| GO:0015036 |               | 1      | 0.984044845  | 0   | 8   |
| GO:0015037 |               | 1      | 0.976096266  | 0   | 12  |
| GO:0015038 |               | 1      | 0.939465711  | 0   | 31  |
| GO:0015039 |               | 1      | 0.992054113  | 0   | 4   |
| GO:0015040 |               | 1      | 0.988083868  | 0   | 6   |
| GO:0015041 |               | 1      | 0.984178781  | 0   | 8   |
| GO:0015042 |               | 1      | 0.992048429  | 0   | 4   |
| GO:0015043 |               | 1      | 0.996010884  | 0   | 2   |
| GO:0015044 |               | 1      | 0.994032421  | 0   | 3   |
| GO:0015045 |               | 1      | 0.99809073   | 0   | 1   |
| GO:0015046 |               | 1      | 0.968421454  | 0   | 16  |
| GO:0015047 |               | 1      | 0.97976901   | 0   | 1   |
| GO:0015048 |               | 1      | 0.99809073   | 0   | 1   |
| GO:0015049 |               | 1      | 0.99809073   | 0   | 1   |
| GO:0015050 |               | 1      | 0.99003679   | 0   | 5   |
| GO:0015051 |               | 1      | 0.99790564   | 0   | 1   |
| GO:0015052 |               | 1      | 0.970460542  | 0   | 15  |
| GO:0015053 |               | 1      | 0.968505236  | 0   | 16  |
| GO:0015054 |               | 1      | 0.994036627  | 0   | 3   |
| GO:0015055 |               | 1      | 0.997989007  | 0   | 1   |
| GO:0015056 |               | 1      | 0.996030731  | 0   | 2   |
| GO:0015057 |               | 1      | 0.972287867  | 0   | 14  |
| Gene  | GO:ID   | Gene  | GO:ID   | Gene  | GO:ID   | Gene  | GO:ID   |
|-------|---------|-------|---------|-------|---------|-------|---------|
|       |         |       |         |       |         |       |         |
| 4612  | GO:0015117 | 1     | 0.991950994 | 0     | 4       |
| 4613  | GO:0015125  | 1     | 0.978140337  | 0     | 11      |
| 4614  | GO:0015126  | 1     | 0.996012379  | 0     | 1       |
| 4615  | GO:0015127  | 1     | 0.998013026  | 0     | 1       |
| 4616  | GO:0015129  | 1     | 0.988037983  | 0     | 6       |
| 4617  | GO:0015130  | 1     | 0.99800882   | 0     | 1       |
| 4618  | GO:0015131  | 1     | 0.991950994  | 0     | 4       |
| 4619  | GO:0015132  | 1     | 0.96024416   | 0     | 2       |
| 4620  | GO:0015136  | 1     | 0.97999915   | 0     | 1       |
| 4621  | GO:0015137  | 1     | 0.992009936  | 0     | 4       |
| 4622  | GO:0015139  | 1     | 0.99600434   | 0     | 2       |
| 4623  | GO:0015140  | 1     | 0.991950994  | 0     | 4       |
| 4624  | GO:0015141  | 1     | 0.986001323  | 0     | 7       |
| 4625  | GO:0015142  | 1     | 0.997997664  | 0     | 1       |
| 4626  | GO:0015143  | 1     | 0.994010012  | 0     | 3       |
| 4627  | GO:0015144  | 1     | 0.997999237  | 0     | 1       |
| 4628  | GO:0015146  | 1     | 0.96030012   | 0     | 2       |
| 4629  | GO:0015150  | 1     | 0.96030012   | 0     | 2       |
| 4630  | GO:0015151  | 1     | 0.995999837  | 0     | 2       |
| 4631  | GO:0015152  | 1     | 0.997980365  | 0     | 1       |
| 4632  | GO:0015164  | 1     | 0.998002231  | 0     | 1       |
| 4633  | GO:0015165  | 1     | 0.98995265   | 0     | 5       |
| 4634  | GO:0015166  | 1     | 0.998013437  | 0     | 1       |
| 4635  | GO:0015168  | 1     | 0.996003563  | 0     | 2       |
| 4636  | GO:0015171  | 1     | 0.941608655  | 0     | 30      |
| 4637  | GO:0015172  | 1     | 0.998003712  | 0     | 1       |
| 4638  | GO:0015173  | 1     | 0.993998756  | 0     | 3       |
| 4639  | GO:0015174  | 1     | 0.984075387  | 0     | 8       |
| 4640  | GO:0015175  | 1     | 0.978195397  | 0     | 11      |
| 4641  | GO:0015179  | 1     | 0.974276892  | 0     | 13      |
| 4642  | GO:0015180  | 1     | 0.982107992  | 0     | 9       |
| 4643  | GO:0015181  | 1     | 0.99402909   | 0     | 3       |
| 4644  | GO:0015182  | 1     | 0.993967518  | 0     | 3       |
| 4645  | GO:0015183  | 1     | 0.982073879  | 0     | 9       |
| 4646  | GO:0015184  | 1     | 0.992001132  | 0     | 4       |
| 4647  | GO:0015185  | 1     | 0.992008609  | 0     | 4       |
| 4648  | GO:0015186  | 1     | 0.984053486  | 0     | 8       |
| 4649  | GO:0015187  | 1     | 0.984065654  | 0     | 8       |
| 4650  | GO:0015188  | 1     | 0.998013349  | 0     | 1       |
| 4651  | GO:0015189  | 1     | 0.99402909   | 0     | 3       |
| 4652  | GO:0015190  | 1     | 0.990015738  | 0     | 5       |
| 4653  | GO:0015191  | 1     | 0.997990975  | 0     | 1       |
| 4654  | GO:0015193  | 1     | 0.98075187   | 0     | 6       |
| 4655  | GO:0015194  | 1     | 0.988022805  | 0     | 6       |
| 4656  | GO:0015195  | 1     | 0.99801003   | 0     | 1       |
| GO:0015196 | 1 | 0.996001462 | 0 | 2 |
| --- | --- | --- | --- | --- |
| GO:0015199 | 1 | 0.998013349 | 0 | 1 |
| GO:0015204 | 1 | 0.989972982 | 0 | 5 |
| GO:0015205 | 1 | 0.99798441 | 0 | 1 |
| GO:0015207 | 1 | 0.995981712 | 0 | 2 |
| GO:0015211 | 1 | 0.997979307 | 0 | 1 |
| GO:0015212 | 1 | 0.997976127 | 0 | 1 |
| GO:0015213 | 1 | 0.99404106 | 0 | 3 |
| GO:0015214 | 1 | 0.997976127 | 0 | 1 |
| GO:0015216 | 1 | 0.994023886 | 0 | 3 |
| GO:0015217 | 1 | 0.993970427 | 0 | 3 |
| GO:0015218 | 1 | 0.993961751 | 0 | 3 |
| GO:0015219 | 1 | 0.995983296 | 0 | 2 |
| GO:0015220 | 1 | 0.99600176 | 0 | 2 |
| GO:0015225 | 1 | 0.994023886 | 0 | 3 |
| GO:0015226 | 1 | 0.993970427 | 0 | 3 |
| GO:0015227 | 1 | 0.993961751 | 0 | 3 |
| GO:0015228 | 1 | 0.995983296 | 0 | 2 |
| GO:0015229 | 1 | 0.99600176 | 0 | 2 |
| GO:0015230 | 1 | 0.995981627 | 0 | 2 |
| GO:0015232 | 1 | 0.982078044 | 0 | 9 |
| GO:0015233 | 1 | 0.99799894 | 0 | 1 |
| GO:0015234 | 1 | 0.993992799 | 0 | 3 |
| GO:0015235 | 1 | 0.991976115 | 0 | 4 |
| GO:0015236 | 1 | 0.992071505 | 0 | 4 |
| GO:0015237 | 1 | 0.974399862 | 0 | 13 |
| GO:0015238 | 1 | 0.980018538 | 0 | 10 |
| GO:0015239 | 1 | 0.993977139 | 0 | 3 |
| GO:0015240 | 1 | 0.991908827 | 0 | 4 |
| GO:0015241 | 1 | 0.998008459 | 0 | 1 |
| GO:0015242 | 1 | 0.960431435 | 0 | 20 |
| GO:0015243 | 1 | 0.981994718 | 0 | 9 |
| GO:0015244 | 1 | 0.98807452 | 0 | 6 |
| GO:0015245 | 1 | 0.992031736 | 0 | 4 |
| GO:0015246 | 1 | 0.994022233 | 0 | 3 |
| GO:0015247 | 1 | 0.951166786 | 0 | 25 |
| GO:0015248 | 1 | 0.99408557 | 0 | 3 |
| GO:0015249 | 1 | 0.986087786 | 0 | 7 |
| GO:0015250 | 1 | 0.980142251 | 0 | 10 |
| GO:0015251 | 1 | 0.989916973 | 0 | 5 |
| GO:0015252 | 1 | 0.997990564 | 0 | 1 |
| GO:0015253 | 1 | 0.81135178 | 0 | 104 |
| GO:0015254 | 1 | 0.992000215 | 0 | 4 |
| GO:0015255 | 1 | 0.996013832 | 0 | 2 |
| GO:0015256 | 1 | 0.884716259 | 0 | 61 |
| GO:0015257 | 1 | 0.966558614 | 0 | 17 |
| GO ID   | GO Term          | Value | p-value | Count |
|---------|------------------|-------|---------|-------|
| GO:0015301 | 1               | 0.964631137 | 0     | 18   |
| GO:0015317 | 1               | 0.997973168  | 0     | 1    |
| GO:0015319 | 1               | 0.997994098   | 0     | 1    |
| GO:0015327 | 1               | 0.998013437   | 0     | 1    |
| GO:0015333 | 1               | 0.994012826   | 0     | 3    |
| GO:0015347 | 1               | 0.976242949   | 0     | 12   |
| GO:0015349 | 1               | 0.990048461   | 0     | 5    |
| GO:0015350 | 1               | 0.996009224   | 0     | 2    |
| GO:0015361 | 1               | 0.99797487    | 0     | 1    |
| GO:0015362 | 1               | 0.998008156   | 0     | 1    |
| GO:0015367 | 1               | 0.99797487    | 0     | 1    |
| GO:0015368 | 1               | 0.998013253   | 0     | 1    |
| GO:0015369 | 1               | 0.998013391   | 0     | 1    |
| GO:0015375 | 1               | 0.997997701   | 0     | 1    |
| GO:0015377 | 1               | 0.984197923   | 0     | 8    |
| GO:0015378 | 1               | 0.99602848    | 0     | 2    |
| GO:0015379 | 1               | 0.982230702   | 0     | 9    |
| GO:0015382 | 1               | 0.996002251   | 0     | 2    |
| GO:0015385 | 1               | 0.976268159   | 0     | 12   |
| GO:0015386 | 1               | 0.978234842   | 0     | 11   |
| GO:0015389 | 1               | 0.993959725   | 0     | 3    |
| GO:0015390 | 1               | 0.997982243   | 0     | 1    |
| GO:0015410 | 1               | 0.996005983   | 0     | 2    |
| GO:0015417 | 1               | 0.99800761    | 0     | 1    |
| GO:0015431 | 1               | 0.986138878   | 0     | 7    |
| GO:0015432 | 1               | 0.992060509   | 0     | 4    |
| GO:0015433 | 1               | 0.992028846   | 0     | 4    |
| GO:0015439 | 1               | 0.997994159   | 0     | 1    |
| GO:0015440 | 1               | 0.994015741   | 0     | 3    |
| GO:0015450 | 1               | 0.995953416   | 0     | 2    |
| GO:0015453 | 1               | 0.997990564   | 0     | 1    |
| GO:0015459 | 1               | 0.924546975   | 0     | 39   |
| GO:0015464 | 1               | 0.974154936   | 0     | 13   |
| GO:0015467 | 1               | 0.993983593   | 0     | 3    |
| GO:0015491 | 1               | 0.992044866   | 0     | 4    |
| GO:0015495 | 1               | 0.997987748   | 0     | 1    |
| GO:0015499 | 1               | 0.997989046   | 0     | 1    |
| GO:0015501 | 1               | 0.994033405   | 0     | 3    |
| GO:0015552 | 1               | 0.997998802   | 0     | 1    |
| GO:0015562 | 1               | 0.976297444   | 0     | 12   |
| GO:0015607 | 1               | 0.998003887   | 0     | 1    |
| GO:0015616 | 1               | 0.990039696   | 0     | 5    |
| GO:0015631 | 1               | 0.875769327   | 0     | 66   |
| GO:0015636 | 1               | 0.993974112   | 0     | 3    |
| GO:0015643 | 1               | 0.97804922    | 0     | 11   |
| ID     | GO:0015645 | 1 | 0.9919591 | 0 | 4 |
|--------|------------|---|------------|---|---|
|        | GO:0015647 | 1 | 0.995974294 | 0 | 2 |
|        | GO:0015651 | 1 | 0.991993548 | 0 | 4 |
|        | GO:0015658 | 1 | 0.998003396 | 0 | 1 |
|        | GO:0015660 | 1 | 0.997989046 | 0 | 1 |
|        | GO:0015670 | 1 | 0.989945217 | 0 | 5 |
|        | GO:0015671 | 1 | 0.977898874 | 0 | 11 |
|        | GO:0015672 | 1 | 0.995955994 | 0 | 2 |
|        | GO:0015675 | 1 | 0.998009073 | 0 | 1 |
|        | GO:0015676 | 1 | 0.998009073 | 0 | 1 |
|        | GO:0015677 | 1 | 0.98812826  | 0 | 6 |
|        | GO:0015680 | 1 | 0.997960952 | 0 | 1 |
|        | GO:0015689 | 1 | 0.99796901  | 0 | 1 |
|        | GO:0015692 | 1 | 0.998009073 | 0 | 1 |
|        | GO:0015693 | 1 | 0.97235487  | 0 | 14 |
|        | GO:0015694 | 1 | 0.998013026 | 0 | 1 |
|        | GO:0015695 | 1 | 0.984025808 | 0 | 8 |
|        | GO:0015696 | 1 | 0.985795108 | 0 | 7 |
|        | GO:0015697 | 1 | 0.991993548 | 0 | 4 |
|        | GO:0015698 | 1 | 0.941709601 | 0 | 30 |
|        | GO:0015700 | 1 | 0.997990564 | 0 | 1 |
|        | GO:0015701 | 1 | 0.924518463 | 0 | 39 |
|        | GO:0015705 | 1 | 0.992061643 | 0 | 4 |
|        | GO:0015706 | 1 | 0.997989007 | 0 | 1 |
|        | GO:0015707 | 1 | 0.998006135 | 0 | 1 |
|        | GO:0015709 | 1 | 0.991950994 | 0 | 4 |
|        | GO:0015711 | 1 | 0.964548086 | 0 | 18 |
|        | GO:0015712 | 1 | 0.997996904 | 0 | 1 |
|        | GO:0015718 | 1 | 0.964476732 | 0 | 18 |
|        | GO:0015721 | 1 | 0.941491682 | 0 | 30 |
|        | GO:0015722 | 1 | 0.994039248 | 0 | 3 |
|        | GO:0015723 | 1 | 0.998013026 | 0 | 1 |
|        | GO:0015724 | 1 | 0.997989046 | 0 | 1 |
|        | GO:0015727 | 1 | 0.997976841 | 0 | 1 |
|        | GO:0015728 | 1 | 0.99800882  | 0 | 1 |
|        | GO:0015729 | 1 | 0.991950994 | 0 | 4 |
|        | GO:0015730 | 1 | 0.997998802 | 0 | 1 |
|        | GO:0015732 | 1 | 0.992064176 | 0 | 4 |
|        | GO:0015734 | 1 | 0.988059741 | 0 | 6 |
|        | GO:0015739 | 1 | 0.99799915  | 0 | 1 |
|        | GO:0015742 | 1 | 0.995986968 | 0 | 2 |
|        | GO:0015744 | 1 | 0.997997664 | 0 | 1 |
|        | GO:0015746 | 1 | 0.994026356 | 0 | 3 |
|        | GO:0015747 | 1 | 0.992009432 | 0 | 4 |
|        | GO:0015750 | 1 | 0.996030012 | 0 | 2 |
| GO:0015755 | 1.0 | 0.989953219 | 0 | 5 |
| GO:0015756 | 1.0 | 0.996030012 | 0 | 2 |
| GO:0015757 | 1.0 | 0.996026112 | 0 | 2 |
| GO:0015760 | 1.0 | 0.991981552 | 0 | 4 |
| GO:0015770 | 1.0 | 0.99199124 | 0 | 4 |
| GO:0015774 | 1.0 | 0.998013267 | 0 | 1 |
| GO:0015779 | 1.0 | 0.998002231 | 0 | 1 |
| GO:0015782 | 1.0 | 0.99795457 | 0 | 1 |
| GO:0015785 | 1.0 | 0.997951013 | 0 | 2 |
| GO:0015787 | 1.0 | 0.995989633 | 0 | 2 |
| GO:0015789 | 1.0 | 0.995989633 | 0 | 2 |
| GO:0015790 | 1.0 | 0.998013437 | 0 | 1 |
| GO:0015797 | 1.0 | 0.998013437 | 0 | 1 |
| GO:0015793 | 1.0 | 0.987943995 | 0 | 6 |
| GO:0015797 | 1.0 | 0.997989046 | 0 | 1 |
| GO:0015798 | 1.0 | 0.992047301 | 0 | 4 |
| GO:0015801 | 1.0 | 0.997992678 | 0 | 1 |
| GO:0015802 | 1.0 | 0.997983824 | 0 | 1 |
| GO:0015805 | 1.0 | 0.998013437 | 0 | 1 |
| GO:0015807 | 1.0 | 0.997993475 | 0 | 3 |
| GO:0015804 | 1.0 | 0.974292749 | 0 | 13 |
| GO:0015806 | 1.0 | 0.997983234 | 0 | 1 |
| GO:0015807 | 1.0 | 0.97822517 | 0 | 11 |
| GO:0015809 | 1.0 | 0.986062595 | 0 | 7 |
| GO:0015810 | 1.0 | 0.992017898 | 0 | 4 |
| GO:0015812 | 1.0 | 0.996002857 | 0 | 2 |
| GO:0015813 | 1.0 | 0.970261644 | 0 | 15 |
| GO:0015814 | 1.0 | 0.982142199 | 0 | 9 |
| GO:0015815 | 1.0 | 0.995981161 | 0 | 2 |
| GO:0015816 | 1.0 | 0.996002857 | 0 | 2 |
| GO:0015817 | 1.0 | 0.997993475 | 0 | 3 |
| GO:0015818 | 1.0 | 0.998993268 | 0 | 5 |
| GO:0015819 | 1.0 | 0.996002857 | 0 | 2 |
| GO:0015820 | 1.0 | 0.978156753 | 0 | 11 |
| GO:0015821 | 1.0 | 0.989993268 | 0 | 5 |
| GO:0015822 | 1.0 | 0.996002857 | 0 | 2 |
| GO:0015823 | 1.0 | 0.970261644 | 0 | 15 |
| GO:0015824 | 1.0 | 0.982142199 | 0 | 9 |
| GO:0015825 | 1.0 | 0.995981161 | 0 | 2 |
| GO:0015826 | 1.0 | 0.996002857 | 0 | 2 |
| GO:0015827 | 1.0 | 0.997993475 | 0 | 3 |
| GO:0015828 | 1.0 | 0.994023086 | 0 | 3 |
| GO:0015829 | 1.0 | 0.995981161 | 0 | 2 |
| GO:0015830 | 1.0 | 0.986128699 | 0 | 7 |
| GO:0015831 | 1.0 | 0.988022805 | 0 | 6 |
| GO:0015832 | 1.0 | 0.998003943 | 0 | 1 |
| GO:0015833 | 1.0 | 0.991998526 | 0 | 4 |
| GO:0015834 | 1.0 | 0.997996731 | 0 | 1 |
| GO:0015835 | 1.0 | 0.998003943 | 0 | 1 |
| GO:0015836 | 1.0 | 0.98213808 | 0 | 9 |
| GO:0015837 | 1.0 | 0.99399551 | 0 | 3 |
| GO:0015838 | 1.0 | 0.9959598 | 0 | 2 |
| GO:0015839 | 1.0 | 0.998013349 | 0 | 1 |
| GeneID | GO Term | Value | Confidence | Count |
|--------|---------|-------|------------|--------|
| 4841   | GO:0015840 | 1 | 0.991974338 | 4 |
| 4842   | GO:0015842 | 1 | 0.995974999 | 2 |
| 4843   | GO:0015844 | 1 | 0.986048238 | 7 |
| 4844   | GO:0015850 | 1 | 0.998013429 | 1 |
| 4845   | GO:0015851 | 1 | 0.99798441 | 1 |
| 4846   | GO:0015853 | 1 | 0.991957179 | 4 |
| 4847   | GO:0015854 | 1 | 0.997986954 | 1 |
| 4848   | GO:0015855 | 1 | 0.993959725 | 3 |
| 4849   | GO:0015858 | 1 | 0.991956309 | 4 |
| 4850   | GO:0015860 | 1 | 0.991963195 | 4 |
| 4851   | GO:0015861 | 1 | 0.997979307 | 1 |
| 4852   | GO:0015862 | 1 | 0.989958375 | 5 |
| 4853   | GO:0015864 | 1 | 0.997982243 | 1 |
| 4854   | GO:0015865 | 1 | 0.996022289 | 2 |
| 4855   | GO:0015866 | 1 | 0.989988351 | 5 |
| 4856   | GO:0015867 | 1 | 0.980099499 | 10 |
| 4857   | GO:0015868 | 1 | 0.997972143 | 1 |
| 4858   | GO:0015871 | 1 | 0.990066565 | 5 |
| 4859   | GO:0015872 | 1 | 0.993996277 | 3 |
| 4860   | GO:0015874 | 1 | 0.995979822 | 2 |
| 4861   | GO:0015876 | 1 | 0.997989115 | 1 |
| 4862   | GO:0015878 | 1 | 0.994023886 | 3 |
| 4863   | GO:0015879 | 1 | 0.991962775 | 4 |
| 4864   | GO:0015881 | 1 | 0.994007548 | 3 |
| 4865   | GO:0015882 | 1 | 0.99600176 | 2 |
| 4866   | GO:0015884 | 1 | 0.98599482 | 7 |
| 4867   | GO:0015886 | 1 | 0.984053369 | 8 |
| 4868   | GO:0015887 | 1 | 0.99799894 | 1 |
| 4869   | GO:0015888 | 1 | 0.994012986 | 3 |
| 4870   | GO:0015889 | 1 | 0.989937735 | 5 |
| 4871   | GO:0015891 | 1 | 0.995942297 | 2 |
| 4872   | GO:0015904 | 1 | 0.997976306 | 1 |
| 4873   | GO:0015908 | 1 | 0.97227354 | 14 |
| 4874   | GO:0015909 | 1 | 0.975982784 | 12 |
| 4875   | GO:0015910 | 1 | 0.992020156 | 4 |
| 4876   | GO:0015911 | 1 | 0.991994345 | 4 |
| 4877   | GO:0015912 | 1 | 0.995967422 | 2 |
| 4878   | GO:0015913 | 1 | 0.995986395 | 2 |
| 4879   | GO:0015914 | 1 | 0.917381181 | 43 |
| 4880   | GO:0015916 | 1 | 0.998003887 | 1 |
| 4881   | GO:0015917 | 1 | 0.990099628 | 5 |
| 4882   | GO:0015919 | 1 | 0.998003887 | 1 |
| 4884   | GO:0015920 | 1 | 0.997989487 | 1 |
| 4885   | GO:0015923 | 1 | 0.994046863 | 3 |
| 4886   | GO:0015926 | 1 | 0.997990208 | 1 |
| GO          | count | p-value | q-value | gene_count |
|-------------|-------|---------|---------|------------|
| GO:0015927  | 1     | 0.99796297 | 0       | 1          |
| GO:0015929  | 1     | 0.997990564 | 0       | 1          |
| GO:0015931  | 1     | 0.995960442 | 0       | 2          |
| GO:0015934  | 1     | 0.962127438 | 0       | 19         |
| GO:0015935  | 1     | 0.978019834 | 0       | 11         |
| GO:0015936  | 1     | 0.985972355 | 0       | 19         |
| GO:0015937  | 1     | 0.990043738 | 0       | 5          |
| GO:0015939  | 1     | 0.983967054 | 0       | 7          |
| GO:0015942  | 1     | 0.995965152 | 0       | 2          |
| GO:0015949  | 1     | 0.946914241 | 0       | 27         |
| GO:0015961  | 1     | 0.991975156 | 0       | 4          |
| GO:0015964  | 1     | 0.991974332 | 0       | 4          |
| GO:0015966  | 1     | 0.991956953 | 0       | 4          |
| GO:0015970  | 1     | 0.974284955 | 0       | 13         |
| GO:0015972  | 1     | 0.99803523 | 0       | 1          |
| GO:0015974  | 1     | 0.995956464 | 0       | 2          |
| GO:0015975  | 1     | 0.995966533 | 0       | 2          |
| GO:0015976  | 1     | 0.960545168 | 0       | 20         |
| GO:0015977  | 1     | 0.96004742 | 0       | 2          |
| GO:0015978  | 1     | 0.970364732 | 0       | 15         |
| GO:0015979  | 1     | 0.97972519 | 0       | 1          |
| GO:0015980  | 1     | 0.97962006 | 0       | 1          |
| GO:0015981  | 1     | 0.92041314 | 0       | 9          |
| GO:0015982  | 1     | 0.996004742 | 0       | 2          |
| GO:0015983  | 1     | 0.996001341 | 0       | 2          |
| GO:0015984  | 1     | 0.991975156 | 0       | 4          |
| GO:0015985  | 1     | 0.991956953 | 0       | 4          |
| GO:0015986  | 1     | 0.970079851 | 0       | 15         |
| GO:0015987  | 1     | 0.991911691 | 0       | 4          |
| GO:0015988  | 1     | 0.99803523 | 0       | 1          |
| GO:0015989  | 1     | 0.995956464 | 0       | 2          |
| GO:0015990  | 1     | 0.995966533 | 0       | 2          |
| GO:0015991  | 1     | 0.960545168 | 0       | 20         |
| GO:0015992  | 1     | 0.970364732 | 0       | 15         |
| GO:0015993  | 1     | 0.97972519 | 0       | 1          |
| GO:0015994  | 1     | 0.92041314 | 0       | 9          |
| GO:0015995  | 1     | 0.996004742 | 0       | 2          |
| GO:0015996  | 1     | 0.996001341 | 0       | 2          |
| GO:0020002  | 1     | 0.991975156 | 0       | 4          |
| GO:0020003  | 1     | 0.991956953 | 0       | 4          |
| GO:0020004  | 1     | 0.970079851 | 0       | 15         |
| GO:0020005  | 1     | 0.991911691 | 0       | 4          |
| GO:0020006  | 1     | 0.99803523 | 0       | 1          |
| GO:0020007  | 1     | 0.995956464 | 0       | 2          |
| GO:0020008  | 1     | 0.997960497 | 0       | 1          |
| GO:0020009  | 1     | 0.985972355 | 0       | 7          |
| GO:0020010  | 1     | 0.995965152 | 0       | 2          |
| GO:0020011  | 1     | 0.946914241 | 0       | 27         |
| GO:0020012  | 1     | 0.997960497 | 0       | 1          |
| GO:0020013  | 1     | 0.985972355 | 0       | 7          |
| GO:0020014  | 1     | 0.995965152 | 0       | 2          |
| GO:0020015  | 1     | 0.946914241 | 0       | 27         |
| GO:0020016  | 1     | 0.997960497 | 0       | 1          |
| GO:0020017  | 1     | 0.985972355 | 0       | 7          |
| GO:0020018  | 1     | 0.995965152 | 0       | 2          |
| GO:0020019  | 1     | 0.946914241 | 0       | 27         |
| GO:0020020  | 1     | 0.997960497 | 0       | 1          |
| GO:0020021  | 1     | 0.985972355 | 0       | 7          |
| GO:0020022  | 1     | 0.995965152 | 0       | 2          |
| GO:0020023  | 1     | 0.946914241 | 0       | 27         |
| GO ID | GO ID             | Value | Fold Change | Count | Description |
|-------|-------------------|-------|-------------|-------|-------------|
| 4936  | GO:0016072        | 1     | 0.994022803 | 0     | 3           |
| 4937  | GO:0016073        | 1     | 0.997990433 | 0     | 1           |
| 4938  | GO:0016074        | 1     | 0.997963577 | 0     | 1           |
| 4939  | GO:0016075        | 1     | 0.970206697 | 0     | 15          |
| 4940  | GO:0016076        | 1     | 0.993972003 | 0     | 3           |
| 4941  | GO:0016077        | 1     | 0.998013437 | 0     | 1           |
| 4942  | GO:0016078        | 1     | 0.996029327 | 0     | 2           |
| 4943  | GO:0016079        | 1     | 0.960687059 | 0     | 20          |
| 4944  | GO:0016080        | 1     | 0.992053171 | 0     | 4           |
| 4945  | GO:0016081        | 1     | 0.980216486 | 0     | 10          |
| 4946  | GO:0016082        | 1     | 0.976289896 | 0     | 12          |
| 4947  | GO:0016094        | 1     | 0.997998868 | 0     | 1           |
| 4948  | GO:0016095        | 1     | 0.99789115  | 0     | 1           |
| 4949  | GO:0016098        | 1     | 0.987937043 | 0     | 6           |
| 4950  | GO:0016101        | 1     | 0.993971617 | 0     | 3           |
| 4951  | GO:0016104        | 1     | 0.998009713 | 0     | 1           |
| 4952  | GO:0016116        | 1     | 0.997992183 | 0     | 1           |
| 4953  | GO:0016119        | 1     | 0.997992183 | 0     | 1           |
| 4954  | GO:0016121        | 1     | 0.99598669  | 0     | 2           |
| 4955  | GO:0016122        | 1     | 0.997992183 | 0     | 1           |
| 4956  | GO:0016125        | 1     | 0.956649168 | 0     | 22          |
| 4959  | GO:0016139        | 1     | 0.989976534 | 0     | 5           |
| 4960  | GO:0016149        | 1     | 0.998004159 | 0     | 1           |
| 4961  | GO:0016150        | 1     | 0.997990564 | 0     | 1           |
| 4962  | GO:0016151        | 1     | 0.997974365 | 0     | 1           |
| 4963  | GO:0016153        | 1     | 0.997999888 | 0     | 1           |
| 4964  | GO:0016154        | 1     | 0.997972777 | 0     | 1           |
| 4965  | GO:0016155        | 1     | 0.996013877 | 0     | 2           |
| 4966  | GO:0016165        | 1     | 0.993974509 | 0     | 3           |
| 4967  | GO:0016167        | 1     | 0.995958644 | 0     | 2           |
| 4968  | GO:0016170        | 1     | 0.998012951 | 0     | 1           |
| 4969  | GO:0016174        | 1     | 0.982150701 | 0     | 9           |
| 4971  | GO:0016176        | 1     | 0.983988129 | 0     | 8           |
| 4972  | GO:0016180        | 1     | 0.974283349 | 0     | 13          |
| 4973  | GO:0016182        | 1     | 0.996023965 | 0     | 2           |
| 4975  | GO:0016188        | 1     | 0.978210484 | 0     | 11          |
| 4976  | GO:0016189        | 1     | 0.99401721  | 0     | 3           |
| 4977  | GO:0016191        | 1     | 0.99204739  | 0     | 4           |
| 4978  | GO:0016192        | 1     | 0.567559718 | 0     | 280         |
| 4979  | GO:0016197        | 1     | 0.834211686 | 0     | 90          |
| 4980  | GO:0016198        | 1     | 0.997997657 | 0     | 1           |
| 4981  | GO:0016199        | 1     | 0.990066456 | 0     | 5           |
| 4982  | GO:0016202        | 1     | 0.99006058  | 0     | 5           |
| 4983  | GO:0016203        | 1     | 0.998013435 | 0     | 1           |
| 4984  | GO:0016206        | 1     | 0.997982988 | 0     | 1           |
| GO:0016208 | 1 | 0.974174734 | 0 | 13 |
|-----------|---|-------------|---|----|
| GO:0016209 | 1 | 0.952525475 | 0 | 24 |
| GO:0016212 | 1 | 0.991972994 | 0 |  4 |
| GO:0016213 | 1 | 0.96011391  | 0 |  2 |
| GO:0016222 | 1 | 0.995980004 | 0 |  2 |
| GO:0016226 | 1 | 0.956563858 | 0 | 22 |
| GO:0016229 | 1 | 0.97990564  | 0 |  1 |
| GO:0016233 | 1 | 0.950955659 | 0 | 25 |
| GO:0016234 | 1 | 0.958640372 | 0 | 21 |
| GO:0016235 | 1 | 0.937859103 | 0 | 32 |
| GO:0016236 | 1 | 0.985542435 | 0 | 95 |
| GO:0016239 | 1 | 0.94301255  | 0 | 29 |
| GO:0016240 | 1 | 0.986064393 | 0 |  7 |
| GO:0016241 | 1 | 0.866728547 | 0 | 71 |
| GO:0016242 | 1 | 0.970454349 | 0 | 15 |
| GO:0016243 | 1 | 0.995988552 | 0 |  2 |
| GO:0016246 | 1 | 0.99660655  | 0 |  2 |
| GO:0016247 | 1 | 0.9898151   | 0 |  5 |
| GO:0016248 | 1 | 0.998005976 | 0 |  1 |
| GO:0016250 | 1 | 0.997990804 | 0 |  1 |
| GO:0016251 | 1 | 0.926047198 | 0 | 38 |
| GO:0016254 | 1 | 0.968211354 | 0 | 16 |
| GO:0016255 | 1 | 0.988014766 | 0 |  6 |
| GO:0016256 | 1 | 0.998013429 | 0 |  1 |
| GO:0016259 | 1 | 0.993998635 | 0 |  3 |
| GO:0016260 | 1 | 0.995975033 | 0 |  2 |
| GO:0016261 | 1 | 0.997986094 | 0 |  1 |
| GO:0016262 | 1 | 0.993992191 | 0 |  3 |
| GO:0016263 | 1 | 0.993955386 | 0 |  3 |
| GO:0016264 | 1 | 0.98406479  | 0 |  8 |
| GO:0016266 | 1 | 0.900790381 | 0 | 52 |
| GO:0016267 | 1 | 0.993955386 | 0 |  3 |
| GO:0016269 | 1 | 0.997986516 | 0 |  1 |
| GO:0016272 | 1 | 0.985815786 | 0 |  7 |
| GO:0016274 | 1 | 0.980032228 | 0 | 10 |
| GO:0016277 | 1 | 0.99798512  | 0 |  1 |
| GO:0016278 | 1 | 0.99790564  | 0 |  1 |
| GO:0016279 | 1 | 0.960601246 | 0 | 20 |
| GO:0016281 | 1 | 0.976178306 | 0 | 12 |
| GO:0016282 | 1 | 0.96617504  | 0 | 17 |
| GO:0016286 | 1 | 0.991960636 | 0 |  4 |
| GO:0016287 | 1 | 0.99798958  | 0 |  1 |
| GO:0016290 | 1 | 0.972087488 | 0 | 14 |
| GO:0016295 | 1 | 0.995991857 | 0 | 2 |
| GO:0016296 | 1 | 0.995991857 | 0 | 2 |
| GO:0016297 | 1 | 0.995991857 | 0 | 2 |
| GO:0016298 | 1 | 0.974189151 | 0 | 13 |
| GO:0016300 | 1 | 0.994001127 | 0 | 2 |
| GO:0016301 | 1 | 0.98026447 | 0 | 10 |
| GO:0016302 | 1 | 0.98154973 | 0 | 9 |
| GO:0016303 | 1 | 0.984111523 | 0 | 8 |
| GO:0016304 | 1 | 0.994027222 | 0 | 3 |
| GO:0016305 | 1 | 0.69843948 | 0 | 178 |
| GO:0016306 | 1 | 0.996014876 | 0 | 2 |
| GO:0016307 | 1 | 0.991993862 | 0 | 4 |
| GO:0016308 | 1 | 0.996025715 | 0 | 2 |
| GO:0016309 | 1 | 0.993974319 | 0 | 3 |
| GO:0016310 | 1 | 0.982120539 | 0 | 9 |
| GO:0016311 | 1 | 0.660426143 | 0 | 206 |
| GO:0016312 | 1 | 0.516385179 | 0 | 327 |
| GO:0016313 | 1 | 0.958674678 | 0 | 21 |
| GO:0016314 | 1 | 0.875820543 | 0 | 66 |
| GO:0016315 | 1 | 0.978228285 | 0 | 11 |
| GO:0016316 | 1 | 0.99806669 | 0 | 1 |
| GO:0016317 | 1 | 0.962303435 | 0 | 19 |
| GO:0016318 | 1 | 0.924908449 | 0 | 39 |
| GO:0016319 | 1 | 0.996030729 | 0 | 2 |
| GO:0016320 | 1 | 0.941773957 | 0 | 30 |
| GO:0016321 | 1 | 0.99600801 | 0 | 2 |
| GO:0016322 | 1 | 0.934059072 | 0 | 34 |
| GO:0016323 | 1 | 0.990043844 | 0 | 5 |
| GO:0016324 | 1 | 0.998013437 | 0 | 1 |
| GO:0016325 | 1 | 0.811254177 | 0 | 104 |
| GO:0016326 | 1 | 0.99183039 | 0 | 4 |
| GO:0016327 | 1 | 0.99792082 | 0 | 1 |
| GO:0016328 | 1 | 0.995978269 | 0 | 2 |
| GO:0016329 | 1 | 0.996005595 | 0 | 2 |
| GO:0016330 | 1 | 0.995979114 | 0 | 2 |
| GO:0016331 | 1 | 0.96249835 | 0 | 19 |
| GO:0016332 | 1 | 0.952848679 | 0 | 24 |
| GO:0016333 | 1 | 0.970243024 | 0 | 15 |
| GO:0016334 | 1 | 0.997990076 | 0 | 1 |
| GO:0016335 | 1 | 0.997959405 | 0 | 1 |
| GO:0016336 | 1 | 0.998013437 | 0 | 1 |
| GO:0016337 | 1 | 0.995995107 | 0 | 2 |
| GO:0016338 | 1 | 0.995977484 | 0 | 2 |
| GO:0016339 | 1 | 0.993960134 | 0 | 3 |
| GO          | P-value | Log10(P-value) | Count | Gene Count |
|-------------|---------|----------------|-------|------------|
| GO:0016423  | 0.994014508 | 0.00074123    | 3     | 1          |
| GO:0016427  | 0.99572587  | 0.00075396    | 2     | 1          |
| GO:0016428  | 0.991986715 | 0.00075499    | 4     | 1          |
| GO:0016429  | 0.99171961  | 0.00075616    | 4     | 1          |
| GO:0016430  | 0.99790564  | 0.00075597    | 1     | 1          |
| GO:0016432  | 0.993990305 | 0.00075497    | 3     | 1          |
| GO:0016433  | 0.995970495 | 0.00075394    | 2     | 1          |
| GO:0016435  | 0.993956877 | 0.00075497    | 3     | 1          |
| GO:0016437  | 0.997983092 | 0.00075597    | 1     | 1          |
| GO:0016441  | 0.990081563 | 0.00075497    | 5     | 1          |
| GO:0016442  | 0.97238983  | 0.00075497    | 14    | 1          |
| GO:0016444  | 0.998012536 | 0.00075597    | 1     | 1          |
| GO:0016445  | 0.993945569 | 0.00075497    | 3     | 1          |
| GO:0016446  | 0.976188827 | 0.00075497    | 12    | 1          |
| GO:0016447  | 0.990023455 | 0.00075497    | 5     | 1          |
| GO:0016448  | 0.97980886  | 0.00075497    | 1     | 1          |
| GO:0016449  | 0.990044495 | 0.00075497    | 5     | 1          |
| GO:0016450  | 0.913792251 | 0.00075497    | 45    | 1          |
| GO:0016451  | 0.986023048 | 0.00075497    | 7     | 1          |
| GO:0016452  | 0.986053336 | 0.00075497    | 7     | 1          |
| GO:0016453  | 0.98796623  | 0.00075497    | 6     | 1          |
| GO:0016454  | 0.989965707 | 0.00075497    | 5     | 1          |
| GO:0016455  | 0.970117154 | 0.00075497    | 15    | 1          |
| GO:0016456  | 0.994006305 | 0.00075497    | 3     | 1          |
| GO:0016457  | 0.995992204 | 0.00075497    | 2     | 1          |
| GO:0016458  | 0.993932068 | 0.00075497    | 3     | 1          |
| GO:0016459  | 0.996001334 | 0.00075497    | 2     | 1          |
| GO:0016460  | 0.872426303 | 0.00075497    | 68    | 1          |
| GO:0016461  | 0.98629365  | 0.00075497    | 16    | 1          |
| GO:0016462  | 0.995940417 | 0.00075497    | 2     | 1          |
| GO:0016463  | 0.966238702 | 0.00075497    | 17    | 1          |
| GO:0016464  | 0.985959825 | 0.00075497    | 7     | 1          |
| GO:0016465  | 0.997997106 | 0.00075497    | 1     | 1          |
| GO:0016466  | 0.997998203 | 0.00075497    | 1     | 1          |
| GO:0016467  | 0.997985309 | 0.00075497    | 1     | 1          |
| GO:0016468  | 0.99002329  | 0.00075497    | 5     | 1          |
| GO:0016469  | 0.997979973 | 0.00075497    | 1     | 1          |
| GO:0016470  | 0.995936578 | 0.00075497    | 2     | 1          |
| GO:0016471  | 0.980072842 | 0.00075497    | 10    | 1          |
| GO:0016472  | 0.991936163 | 0.00075497    | 4     | 1          |
| GO:0016473  | 0.997995155 | 0.00075497    | 1     | 1          |
| GO:0016474  | 0.99598869  | 0.00075497    | 2     | 1          |
| GO:0016475  | 0.996005735 | 0.00075497    | 2     | 1          |
| GO:0016476  | 0.994031261 | 0.00075497    | 3     | 1          |
| GO:0016477  | 0.964519567 | 0.00075497    | 18    | 1          |
| ID   | GO Term | Count | Score     | P.Value | Size |
|------|---------|-------|-----------|---------|------|
| 5124 | GO:0016517 | 1     | 0.997978378 | 0       | 1    |
| 5125 | GO:0016519 | 1     | 0.99797915 | 0       | 1    |
| 5126 | GO:0016520 | 1     | 0.998011635 | 0       | 1    |
| 5127 | GO:0016524 | 1     | 0.995985075 | 0       | 2    |
| 5129 | GO:0016528 | 1     | 0.980120511 | 0       | 10   |
| 5131 | GO:0016530 | 1     | 0.99794986 | 0       | 1    |
| 5132 | GO:0016531 | 1     | 0.991857562 | 0       | 4    |
| 5133 | GO:0016532 | 1     | 0.99597346 | 0       | 2    |
| 5134 | GO:0016533 | 1     | 0.995973201 | 0       | 2    |
| 5135 | GO:0016538 | 1     | 0.937543409 | 0       | 32   |
| 5136 | GO:0016539 | 1     | 0.952800207 | 0       | 24   |
| 5137 | GO:0016540 | 1     | 0.992015702 | 0       | 4    |
| 5139 | GO:0016554 | 1     | 0.977990688 | 0       | 11   |
| 5140 | GO:0016556 | 1     | 0.99597194 | 0       | 2    |
| 5141 | GO:0016557 | 1     | 0.99195731 | 0       | 4    |
| 5142 | GO:0016558 | 1     | 0.978125969 | 0       | 11   |
| 5143 | GO:0016559 | 1     | 0.980007981 | 0       | 10   |
| 5144 | GO:0016560 | 1     | 0.992012097 | 0       | 4    |
| 5145 | GO:0016561 | 1     | 0.993988128 | 0       | 3    |
| 5147 | GO:0016569 | 1     | 0.996030731 | 0       | 2    |
| 5148 | GO:0016570 | 1     | 0.976039268 | 0       | 12   |
| 5150 | GO:0016572 | 1     | 0.9742125 | 0       | 13   |
| 5151 | GO:0016573 | 1     | 0.904426412 | 0       | 50   |
| 5152 | GO:0016574 | 1     | 0.976212387 | 0       | 12   |
| 5153 | GO:0016575 | 1     | 0.919161225 | 0       | 42   |
| 5154 | GO:0016576 | 1     | 0.988039456 | 0       | 6    |
| 5155 | GO:0016577 | 1     | 0.992066822 | 0       | 4    |
| 5156 | GO:0016578 | 1     | 0.974211471 | 0       | 13   |
| 5158 | GO:0016580 | 1     | 0.974276512 | 0       | 13   |
| 5159 | GO:0016581 | 1     | 0.968449234 | 0       | 16   |
| 5160 | GO:0016584 | 1     | 0.972288773 | 0       | 14   |
| 5161 | GO:0016586 | 1     | 0.996030731 | 0       | 2    |
| 5162 | GO:0016589 | 1     | 0.986080968 | 0       | 7    |
| 5163 | GO:0016590 | 1     | 0.998013437 | 0       | 1    |
| 5164 | GO:0016591 | 1     | 0.984143088 | 0       | 8    |
| 5165 | GO:0016592 | 1     | 0.922589428 | 0       | 40   |
| 5166 | GO:0016593 | 1     | 0.984095694 | 0       | 8    |
| 5167 | GO:0016594 | 1     | 0.97617391 | 0       | 12   |
| 5168 | GO:0016595 | 1     | 0.980218738 | 0       | 10   |
| 5169 | GO:0016596 | 1     | 0.997990564 | 0       | 1    |
| 5170 | GO:0016597 | 1     | 0.962433361 | 0       | 19   |
| 5171 | GO:0016598 | 1     | 0.995961908 | 0       | 2    |
| 5172 | GO:0016600 | 1     | 0.986083761 | 0       | 7    |
| 5173 | GO:0016601 | 1     | 0.958757159 | 0       | 21   |
| ID    | GO Identifier | Value | Weight | Correlation |
|-------|---------------|-------|--------|-------------|
| 5174  | GO:0016602    | 1     | 0.99198122 | 4           |
| 5175  | GO:0016603    | 1     | 0.995958822 | 2           |
| 5176  | GO:0016604    | 1     | 0.523555645 | 320         |
| 5177  | GO:0016605    | 1     | 0.817876243 | 100         |
| 5179  | GO:0016608    | 1     | 0.997954504 | 1           |
| 5180  | GO:0016614    | 1     | 0.991981709 | 4           |
| 5181  | GO:0016615    | 1     | 0.993927927 | 3           |
| 5182  | GO:0016616    | 1     | 0.920501132 | 41          |
| 5183  | GO:0016618    | 1     | 0.997964949 | 1           |
| 5184  | GO:0016620    | 1     | 0.958656146 | 21          |
| 5185  | GO:0016624    | 1     | 0.990040266 | 5           |
| 5188  | GO:0016638    | 1     | 0.998001224 | 1           |
| 5189  | GO:0016639    | 1     | 0.995989342 | 2           |
| 5190  | GO:0016641    | 1     | 0.990036017 | 5           |
| 5191  | GO:0016651    | 1     | 0.976006657 | 12          |
| 5192  | GO:0016653    | 1     | 0.996000126 | 2           |
| 5193  | GO:0016655    | 1     | 0.981852638 | 9           |
| 5194  | GO:0016661    | 1     | 0.993956119 | 3           |
| 5195  | GO:0016667    | 1     | 0.995952524 | 2           |
| 5196  | GO:0016668    | 1     | 0.990001303 | 5           |
| 5197  | GO:0016670    | 1     | 0.996004691 | 2           |
| 5198  | GO:0016671    | 1     | 0.990014981 | 5           |
| 5199  | GO:0016679    | 1     | 0.997988324 | 1           |
| 5200  | GO:0016684    | 1     | 0.989952932 | 5           |
| 5201  | GO:0016701    | 1     | 0.995947955 | 2           |
| 5202  | GO:0016702    | 1     | 0.972236926 | 14          |
| 5203  | GO:0016705    | 1     | 0.863051555 | 73          |
| 5204  | GO:0016706    | 1     | 0.958640834 | 21          |
| 5205  | GO:0016709    | 1     | 0.968403099 | 16          |
| 5206  | GO:0016711    | 1     | 0.997988324 | 1           |
| 5207  | GO:0016712    | 1     | 0.946946868 | 27          |
| 5208  | GO:0016714    | 1     | 0.995964069 | 2           |
| 5209  | GO:0016715    | 1     | 0.9960036   | 2           |
| 5211  | GO:0016722    | 1     | 0.996003158 | 2           |
| 5212  | GO:0016723    | 1     | 0.997998773 | 1           |
| 5214  | GO:0016742    | 1     | 0.992024854 | 4           |
| 5215  | GO:0016743    | 1     | 0.998013437 | 1           |
| 5216  | GO:0016746    | 1     | 0.731357163 | 155         |
| 5217  | GO:0016747    | 1     | 0.964203134 | 18          |
| 5218  | GO:0016757    | 1     | 0.650425059 | 213         |
| 5219  | GO:0016758    | 1     | 0.952780909 | 24          |
| 5220  | GO:0016763    | 1     | 0.983970531 | 8           |
| 5221  | GO:0016765    | 1     | 0.988020952 | 6           |
| 5222  | GO:0016768    | 1     | 0.997973345 | 1           |
| 5223  | GO:0016772    | 1     | 0.974141234 | 13          |
| Gene ID | Description | Value1 | Value2 | Value3 |
|--------|-------------|--------|--------|--------|
| 5224   | GO:0016773  | 1      | 0.966437522 | 0 | 17 |
| 5225   | GO:0016776  | 1      | 0.993974502 | 0 | 3 |
| 5227   | GO:0016780  | 1      | 0.989965708 | 0 | 5 |
| 5228   | GO:0016783  | 1      | 0.991934466 | 0 | 4 |
| 5229   | GO:0016784  | 1      | 0.997969391 | 0 | 1 |
| 5230   | GO:0016785  | 1      | 0.998013431 | 0 | 1 |
| 5232   | GO:0016788  | 1      | 0.947000169 | 0 | 27 |
| 5233   | GO:0016790  | 1      | 0.976062974 | 0 | 12 |
| 5234   | GO:0016791  | 1      | 0.757378874 | 0 | 138 |
| 5235   | GO:0016793  | 1      | 0.99797404  | 0 | 1 |
| 5236   | GO:0016798  | 1      | 0.859713616 | 0 | 75 |
| 5237   | GO:0016799  | 1      | 0.986021898 | 0 | 7 |
| 5238   | GO:0016805  | 1      | 0.980092448 | 0 | 10 |
| 5239   | GO:0016807  | 1      | 0.995985075 | 0 | 2 |
| 5240   | GO:0016810  | 1      | 0.974267746 | 0 | 13 |
| 5241   | GO:0016811  | 1      | 0.976044611 | 0 | 12 |
| 5242   | GO:0016812  | 1      | 0.994008427 | 0 | 3 |
| 5243   | GO:0016813  | 1      | 0.995964116 | 0 | 2 |
| 5244   | GO:0016814  | 1      | 0.997990789 | 0 | 1 |
| 5245   | GO:0016817  | 1      | 0.997986375 | 0 | 1 |
| 5246   | GO:0016818  | 1      | 0.976226917 | 0 | 12 |
| 5248   | GO:0016830  | 1      | 0.997979249 | 0 | 1 |
| 5249   | GO:0016831  | 1      | 0.960484095 | 0 | 20 |
| 5250   | GO:0016833  | 1      | 0.997969926 | 0 | 1 |
| 5251   | GO:0016836  | 1      | 0.964257849 | 0 | 18 |
| 5252   | GO:0016841  | 1      | 0.997996731 | 0 | 1 |
| 5253   | GO:0016844  | 1      | 0.997990564 | 0 | 1 |
| 5254   | GO:0016846  | 1      | 0.995941763 | 0 | 2 |
| 5255   | GO:0016849  | 1      | 0.966538398 | 0 | 17 |
| 5256   | GO:0016853  | 1      | 0.771718125 | 0 | 128 |
| 5257   | GO:0016854  | 1      | 0.997975776 | 0 | 1 |
| 5258   | GO:0016857  | 1      | 0.993998759 | 0 | 3 |
| 5259   | GO:0016859  | 1      | 0.9979602  | 0 | 1 |
| 5260   | GO:0016860  | 1      | 0.998006674 | 0 | 1 |
| 5261   | GO:0016863  | 1      | 0.993999571 | 0 | 3 |
| 5262   | GO:0016866  | 1      | 0.996004186 | 0 | 2 |
| 5263   | GO:0016868  | 1      | 0.981999986 | 0 | 9 |
| 5264   | GO:0016874  | 1      | 0.76343867 | 0 | 134 |
| 5265   | GO:0016878  | 1      | 0.995989843 | 0 | 2 |
| 5266   | GO:0016879  | 1      | 0.996030731 | 0 | 2 |
| 5267   | GO:0016881  | 1      | 0.99798654  | 0 | 1 |
| 5268   | GO:0016884  | 1      | 0.993959391 | 0 | 3 |
| 5269   | GO:0016886  | 1      | 0.997990564 | 0 | 1 |
| 5271   | GO:0016888  | 1      | 0.993976237 | 0 | 3 |
| 5272   | GO:0016890  | 1      | 0.99598445  | 0 | 2 |
| ID     | GO:0016891 | 1 | 0.992000498 | 0 | 4 |
|--------|-------------|---|-------------|---|----|
| 5273   | GO:0016892  | 1 | 0.997990564 | 0 | 1 |
| 5274   | GO:0016907  | 1 | 0.989987231 | 0 | 5 |
| 5275   | GO:0016917  | 1 | 0.998013437 | 0 | 1 |
| 5276   | GO:0016918  | 1 | 0.985879269 | 0 | 7 |
| 5277   | GO:0016920  | 1 | 0.998013437 | 0 | 1 |
| 5278   | GO:0016922  | 1 | 0.95494425  | 0 | 23|
| 5279   | GO:0016925  | 1 | 0.886354777 | 0 | 60|
| 5280   | GO:0016926  | 1 | 0.982163023 | 0 | 9 |
| 5281   | GO:0016933  | 1 | 0.99574469  | 0 | 2 |
| 5282   | GO:0016934  | 1 | 0.991996471 | 0 | 4 |
| 5283   | GO:0016935  | 1 | 0.996002247 | 0 | 2 |
| 5284   | GO:0016936  | 1 | 0.983830607 | 0 | 8 |
| 5285   | GO:0016937  | 1 | 0.998013437 | 0 | 1 |
| 5286   | GO:0016938  | 1 | 0.99793643  | 0 | 1 |
| 5287   | GO:0016939  | 1 | 0.994033067 | 0 | 3 |
| 5288   | GO:0016941  | 1 | 0.994007712 | 0 | 3 |
| 5289   | GO:0016942  | 1 | 0.994026967 | 0 | 3 |
| 5290   | GO:0016964  | 1 | 0.998013437 | 0 | 1 |
| 5291   | GO:0016971  | 1 | 0.994001921 | 0 | 3 |
| 5292   | GO:0016972  | 1 | 0.988039576 | 0 | 6 |
| 5293   | GO:0016973  | 1 | 0.956670252 | 0 | 22|
| 5294   | GO:0016974  | 1 | 0.95973035  | 0 | 1 |
| 5295   | GO:0016992  | 1 | 0.99794161  | 0 | 2 |
| 5296   | GO:0016997  | 1 | 0.997960101 | 0 | 1 |
| 5297   | GO:0016998  | 1 | 0.998013026 | 0 | 1 |
| 5298   | GO:0017002  | 1 | 0.992036906 | 0 | 4 |
| 5299   | GO:0017004  | 1 | 0.995952378 | 0 | 2 |
| 5300   | GO:0017005  | 1 | 0.998003586 | 0 | 1 |
| 5301   | GO:0017015  | 1 | 0.956897835 | 0 | 22|
| 5302   | GO:0017017  | 1 | 0.976114706 | 0 | 12|
| 5303   | GO:0017018  | 1 | 0.998012626 | 0 | 1 |
| 5304   | GO:0017020  | 1 | 0.99400654  | 0 | 3 |
| 5305   | GO:0017022  | 1 | 0.953046531 | 0 | 24|
| 5306   | GO:0017024  | 1 | 0.997958165 | 0 | 1 |
| 5307   | GO:0017025  | 1 | 0.948888567 | 0 | 26|
| 5308   | GO:0017038  | 1 | 0.991985508 | 0 | 4 |
| 5309   | GO:0017040  | 1 | 0.985948484 | 0 | 7 |
| 5310   | GO:0017041  | 1 | 0.997968378 | 0 | 1 |
| 5311   | GO:0017046  | 1 | 0.951027931 | 0 | 25|
| 5312   | GO:0017050  | 1 | 0.993975404 | 0 | 3 |
| 5313   | GO:0017053  | 1 | 0.900919537 | 0 | 52|
| 5314   | GO:0017054  | 1 | 0.995961854 | 0 | 2 |
| 5315   | GO:0017055  | 1 | 0.995989958 | 0 | 2 |
| 5316   | GO:0017056  | 1 | 0.949175901 | 0 | 26|
| GO Term       | Gene Count | p-value  | q-value | Pathway Count |
|--------------|------------|----------|---------|---------------|
| GO:0017057   | 1          | 0.99597309 | 0       | 2             |
| GO:0017059   | 1          | 0.990016376 | 0       | 5             |
| GO:0017060   | 1          | 0.997982083 | 0       | 1             |
| GO:0017061   | 1          | 0.996007182 | 0       | 2             |
| GO:0017064   | 1          | 0.993955079 | 0       | 3             |
| GO:0017065   | 1          | 0.997971123 | 0       | 1             |
| GO:0017069   | 1          | 0.974138083 | 0       | 13            |
| GO:0017070   | 1          | 0.976052053 | 0       | 12            |
| GO:0017071   | 1          | 0.998003731 | 0       | 1             |
| GO:0017075   | 1          | 0.954970644 | 0       | 23            |
| GO:0017076   | 1          | 0.987984133 | 0       | 6             |
| GO:0017077   | 1          | 0.991958109 | 0       | 4             |
| GO:0017080   | 1          | 0.943251289 | 0       | 29            |
| GO:0017081   | 1          | 0.987991541 | 0       | 6             |
| GO:0017083   | 1          | 0.992027809 | 0       | 4             |
| GO:0017085   | 1          | 0.992030803 | 0       | 4             |
| GO:0017087   | 1          | 0.998006825 | 0       | 1             |
| GO:0017089   | 1          | 0.997978303 | 0       | 1             |
| GO:0017090   | 1          | 0.99799342 | 0       | 1             |
| GO:0017095   | 1          | 0.994043296 | 0       | 3             |
| GO:0017096   | 1          | 0.997966837 | 0       | 1             |
| GO:0017098   | 1          | 0.997987328 | 0       | 1             |
| GO:0017099   | 1          | 0.991960971 | 0       | 4             |
| GO:0017101   | 1          | 0.978051172 | 0       | 11            |
| GO:0017108   | 1          | 0.982097825 | 0       | 9             |
| GO:0017109   | 1          | 0.96004042 | 0       | 2             |
| GO:0017110   | 1          | 0.97611677 | 0       | 12            |
| GO:0017111   | 1          | 0.980151736 | 0       | 10            |
| GO:0017113   | 1          | 0.997996294 | 0       | 1             |
| GO:0017116   | 1          | 0.970255961 | 0       | 15            |
| GO:0017118   | 1          | 0.997968248 | 0       | 1             |
| GO:0017119   | 1          | 0.976160396 | 0       | 12            |
| GO:0017121   | 1          | 0.986025752 | 0       | 7             |
| GO:0017122   | 1          | 0.998013396 | 0       | 1             |
| GO:0017124   | 1          | 0.77613727 | 0       | 126           |
| GO:0017125   | 1          | 0.998012223 | 0       | 1             |
| GO:0017126   | 1          | 0.995978545 | 0       | 2             |
| GO:0017128   | 1          | 0.98207691 | 0       | 9             |
| GO:0017129   | 1          | 0.993905766 | 0       | 3             |
| GO:0017130   | 1          | 0.998013437 | 0       | 1             |
| GO:0017134   | 1          | 0.954868754 | 0       | 23            |
| GO:0017136   | 1          | 0.991971508 | 0       | 4             |
| GO:0017143   | 1          | 0.995981555 | 0       | 2             |
| GO:0017144   | 1          | 0.947005111 | 0       | 27            |
| GO:0017145   | 1          | 0.986102153 | 0       | 7             |
| Term ID | Term | Count | p-value | q-value |
|---------|------|-------|---------|---------|
| GO:0017146 | 1 | 0.98222806 | 0 | 9 |
| GO:0017147 | 1 | 0.945347836 | 0 | 28 |
| GO:0017148 | 1 | 0.851355117 | 0 | 80 |
| GO:0017150 | 1 | 0.98954366 | 0 | 5 |
| GO:0017151 | 1 | 0.986056034 | 0 | 28 |
| GO:0017153 | 1 | 0.935784454 | 0 | 33 |
| GO:0017154 | 1 | 0.968382895 | 0 | 16 |
| GO:0017157 | 1 | 0.96803126 | 0 | 12 |
| GO:0017168 | 1 | 0.989954366 | 0 | 5 |
| GO:0017171 | 1 | 0.989927926 | 0 | 5 |
| GO:0017177 | 1 | 0.99403502 | 0 | 2 |
| GO:0017178 | 1 | 0.97990564 | 0 | 1 |
| GO:0017187 | 1 | 0.993931175 | 0 | 2 |
| GO:0017196 | 1 | 0.997957984 | 0 | 1 |
| GO:0017198 | 1 | 0.9980025715 | 0 | 2 |
| GO:0017199 | 1 | 0.982124158 | 0 | 9 |
| GO:0017200 | 1 | 0.99803126 | 0 | 12 |
| GO:0017201 | 1 | 0.989927926 | 0 | 5 |
| GO:0017202 | 1 | 0.988007874 | 0 | 1 |
| GO:0017203 | 1 | 0.985964611 | 0 | 5 |
| GO:0017204 | 1 | 0.997961622 | 0 | 1 |
| GO:0017205 | 1 | 0.989927926 | 0 | 5 |
| GO:0017206 | 1 | 0.98403502 | 0 | 2 |
| GO:0017207 | 1 | 0.98604466 | 0 | 7 |
| GO:0017208 | 1 | 0.98403502 | 0 | 12 |
| GO:0017209 | 1 | 0.9980025715 | 0 | 2 |
| GO:0017210 | 1 | 0.982124158 | 0 | 9 |
| GO:0017211 | 1 | 0.99803126 | 0 | 12 |
| GO:0017212 | 1 | 0.989927926 | 0 | 5 |
| GO:0017213 | 1 | 0.98403502 | 0 | 2 |
| GO:0017214 | 1 | 0.98604466 | 0 | 7 |
| GO:0017215 | 1 | 0.98403502 | 0 | 12 |
| GO:0017216 | 1 | 0.9980025715 | 0 | 2 |
| GO:0017217 | 1 | 0.982124158 | 0 | 9 |
| GO:0017218 | 1 | 0.99803126 | 0 | 12 |
| GO:0017219 | 1 | 0.989927926 | 0 | 5 |
| GO:0017220 | 1 | 0.98403502 | 0 | 2 |
| GO:0017221 | 1 | 0.98604466 | 0 | 7 |
| GO:0017222 | 1 | 0.98403502 | 0 | 12 |
| GO:0017223 | 1 | 0.9980025715 | 0 | 2 |
| GO:0017224 | 1 | 0.982124158 | 0 | 9 |
| GO:0017225 | 1 | 0.99803126 | 0 | 12 |
| GO:0017226 | 1 | 0.989927926 | 0 | 5 |
| GO:0017227 | 1 | 0.98403502 | 0 | 2 |
| GO:0017228 | 1 | 0.98604466 | 0 | 7 |
| GO:0017229 | 1 | 0.98403502 | 0 | 12 |
| GO:0017230 | 1 | 0.9980025715 | 0 | 2 |
| GO:0017231 | 1 | 0.982124158 | 0 | 9 |
| GO:0017232 | 1 | 0.99803126 | 0 | 12 |
| GO:0017233 | 1 | 0.989927926 | 0 | 5 |
| GO:0017234 | 1 | 0.98403502 | 0 | 2 |
| GO:0017235 | 1 | 0.98604466 | 0 | 7 |
| GO:0017236 | 1 | 0.98403502 | 0 | 12 |
| GO:0017237 | 1 | 0.9980025715 | 0 | 2 |
| Gene ID  | Gene Symbol | Value | Type | Count |
|---------|-------------|-------|------|-------|
| GO:0018076 |             | 1     | Go   | 3     |
| GO:0018094 |             | 1     | Go   | 3     |
| GO:0018095 |             | 1     | Go   | 13    |
| GO:0018101 |             | 1     | Go   | 4     |
| GO:0018105 |             | 1     | Go   | 159   |
| GO:0018106 |             | 1     | Go   | 1     |
| GO:0018107 |             | 1     | Go   | 64    |
| GO:0018108 |             | 1     | Go   | 135   |
| GO:0018114 |             | 1     | Go   | 1     |
| GO:0018117 |             | 1     | Go   | 2     |
| GO:0018119 |             | 1     | Go   | 5     |
| GO:0018120 |             | 1     | Go   | 2     |
| GO:0018125 |             | 1     | Go   | 2     |
| GO:0018126 |             | 1     | Go   | 5     |
| GO:0018142 |             | 1     | Go   | 1     |
| GO:0018146 |             | 1     | Go   | 25    |
| GO:0018149 |             | 1     | Go   | 25    |
| GO:0018153 |             | 1     | Go   | 2     |
| GO:0018158 |             | 1     | Go   | 4     |
| GO:0018160 |             | 1     | Go   | 1     |
| GO:0018166 |             | 1     | Go   | 1     |
| GO:0018171 |             | 1     | Go   | 3     |
| GO:0018193 |             | 1     | Go   | 4     |
| GO:0018200 |             | 1     | Go   | 1     |
| GO:0018205 |             | 1     | Go   | 1     |
| GO:0018206 |             | 1     | Go   | 5     |
| GO:0018208 |             | 1     | Go   | 2     |
| GO:0018216 |             | 1     | Go   | 9     |
| GO:0018230 |             | 1     | Go   | 23    |
| GO:0018242 |             | 1     | Go   | 10    |
| GO:0018243 |             | 1     | Go   | 8     |
| GO:0018271 |             | 1     | Go   | 1     |
| GO:0018272 |             | 1     | Go   | 1     |
| GO:0018276 |             | 1     | Go   | 1     |
| GO:0018277 |             | 1     | Go   | 2     |
| GO:0018279 |             | 1     | Go   | 30    |
| GO:0018283 |             | 1     | Go   | 2     |
| GO:0018293 |             | 1     | Go   | 1     |
| GO:0018298 |             | 1     | Go   | 6     |
| GO:0018312 |             | 1     | Go   | 3     |
| GO:0018315 |             | 1     | Go   | 1     |
| GO:0018342 |             | 1     | Go   | 7     |
| GO:0018343 |             | 1     | Go   | 4     |
| GO:0018344 |             | 1     | Go   | 6     |
| GO:0018345 |             | 1     | Go   | 22    |
| ID   | GO-ID         | Count | Support | Count | Score |
|------|---------------|-------|---------|-------|-------|
| 5455 | GO:0018350    | 1     | 0.997984899 | 0     | 1     |
| 5456 | GO:0018352    | 1     | 0.997984584 | 0     | 1     |
| 5457 | GO:0018364    | 1     | 0.995968151 | 0     | 2     |
| 5458 | GO:0018393    | 1     | 0.986085328 | 0     | 7     |
| 5459 | GO:0018394    | 1     | 0.988013437 | 0     | 1     |
| 5460 | GO:0018395    | 1     | 0.998003307 | 0     | 1     |
| 5461 | GO:0018400    | 1     | 0.998013437 | 0     | 1     |
| 5462 | GO:0018401    | 1     | 0.980038243 | 0     | 10    |
| 5463 | GO:0018406    | 1     | 0.990035775 | 0     | 5     |
| 5464 | GO:0018423    | 1     | 0.97965973  | 0     | 1     |
| 5465 | GO:0018424    | 1     | 0.998007582 | 0     | 1     |
| 5466 | GO:0018444    | 1     | 0.994021183 | 0     | 3     |
| 5467 | GO:0018455    | 1     | 0.987915201 | 0     | 6     |
| 5468 | GO:0018467    | 1     | 0.997988883 | 0     | 1     |
| 5469 | GO:0018477    | 1     | 0.997991563 | 0     | 1     |
| 5470 | GO:0018478    | 1     | 0.997981631 | 0     | 1     |
| 5471 | GO:0018479    | 1     | 0.993958696 | 0     | 3     |
| 5472 | GO:0018549    | 1     | 0.997973663 | 0     | 1     |
| 5473 | GO:0018601    | 1     | 0.997972955 | 0     | 1     |
| 5474 | GO:0018636    | 1     | 0.993914222 | 0     | 3     |
| 5475 | GO:0018675    | 1     | 0.995949749 | 0     | 2     |
| 5476 | GO:0018676    | 1     | 0.995949749 | 0     | 2     |
| 5477 | GO:0018685    | 1     | 0.989936086 | 0     | 5     |
| 5478 | GO:0018733    | 1     | 0.997964061 | 0     | 1     |
| 5479 | GO:0018738    | 1     | 0.997964119 | 0     | 1     |
| 5480 | GO:0018773    | 1     | 0.997973115 | 0     | 1     |
| 5481 | GO:0018812    | 1     | 0.991985904 | 0     | 4     |
| 5482 | GO:0018858    | 1     | 0.993970963 | 0     | 3     |
| 5483 | GO:0018872    | 1     | 0.996002523 | 0     | 2     |
| 5484 | GO:0018874    | 1     | 0.997979579 | 0     | 1     |
| 5485 | GO:0018879    | 1     | 0.995974513 | 0     | 2     |
| 5486 | GO:0018885    | 1     | 0.997972955 | 0     | 1     |
| 5487 | GO:0018894    | 1     | 0.993985764 | 0     | 3     |
| 5488 | GO:0018910    | 1     | 0.997972955 | 0     | 1     |
| 5489 | GO:0018916    | 1     | 0.991929692 | 0     | 4     |
| 5490 | GO:0018931    | 1     | 0.99594783  | 0     | 2     |
| 5491 | GO:0018958    | 1     | 0.993931595 | 0     | 3     |
| 5492 | GO:0018960    | 1     | 0.997972955 | 0     | 1     |
| 5493 | GO:0018963    | 1     | 0.997989278 | 0     | 1     |
| 5494 | GO:0018964    | 1     | 0.99800985  | 0     | 1     |
| 5495 | GO:0018969    | 1     | 0.997992786 | 0     | 1     |
| 5496 | GO:0018979    | 1     | 0.99797575  | 0     | 1     |
| 5497 | GO:0019001    | 1     | 0.968314754 | 0     | 16    |
| 5498 | GO:0019002    | 1     | 0.994005266 | 0     | 3     |
| 5500 | GO:0019005    | 1     | 0.884359597 | 0     | 61    |
| GO         | ID          | Gene Count | P-Value  |
|------------|-------------|------------|----------|
| GO:0019008 | 5501        | 1          | 0.995981408 |
| GO:0019046 | 5503        | 1          | 0.994014726  |
| GO:0019048 | 5504        | 1          | 0.984082755  |
| GO:0019050 | 5505        | 1          | 0.995952161  |
| GO:0019054 | 5506        | 1          | 0.978143777  |
| GO:0019056 | 5507        | 1          | 0.99799243   |
| GO:0019058 | 5508        | 1          | 0.829108652  |
| GO:0019061 | 5509        | 1          | 0.995952161  |
| GO:0019062 | 5510        | 1          | 0.9899307    |
| GO:0019064 | 5511        | 1          | 0.985986801  |
| GO:0019065 | 5512        | 1          | 0.988074439  |
| GO:0019068 | 5513        | 1          | 0.976061117  |
| GO:0019074 | 5514        | 1          | 0.996025067  |
| GO:0019075 | 5515        | 1          | 0.995980575  |
| GO:0019076 | 5516        | 1          | 0.987972867  |
| GO:0019079 | 5517        | 1          | 0.972245262  |
| GO:0019081 | 5518        | 1          | 0.989946383  |
| GO:0019082 | 5519        | 1          | 0.924500144  |
| GO:0019083 | 5520        | 1          | 0.797490863  |
| GO:0019085 | 5521        | 1          | 0.96004321   |
| GO:0019086 | 5522        | 1          | 0.991981008  |
| GO:0019087 | 5523        | 1          | 0.993991703  |
| GO:0019100 | 5524        | 1          | 0.996024048  |
| GO:0019102 | 5525        | 1          | 0.997995025  |
| GO:0019103 | 5526        | 1          | 0.995976439  |
| GO:0019104 | 5527        | 1          | 0.985934388  |
| GO:0019107 | 5528        | 1          | 0.998012634  |
| GO:0019115 | 5529        | 1          | 0.997978287  |
| GO:0019119 | 5530        | 1          | 0.997967328  |
| GO:0019135 | 5531        | 1          | 0.99796697   |
| GO:0019136 | 5532        | 1          | 0.993973611  |
| GO:0019144 | 5533        | 1          | 0.995938883  |
| GO:0019145 | 5534        | 1          | 0.997986719  |
| GO:0019150 | 5535        | 1          | 0.997979587  |
| GO:0019153 | 5536        | 1          | 0.997971648  |
| GO:0019158 | 5537        | 1          | 0.992034495  |
| GO:0019166 | 5538        | 1          | 0.993944622  |
| GO:0019171 | 5539        | 1          | 0.996007903  |
| GO:0019178 | 5540        | 1          | 0.997990564  |
| GO:0019185 | 5541        | 1          | 0.994008642  |
| GO:0019200 | 5542        | 1          | 0.997990564  |
| GO:0019202 | 5543        | 1          | 0.997990564  |
| GO:0019203 | 5544        | 1          | 0.97987826   |
| GO:0019205 | 5545        | 1          | 0.982052452  |
| GO:0019206 | 5546        | 1          | 0.995949871  |
| ID   | GO          | Count | P-value | Count | P-value |
|------|-------------|-------|---------|-------|---------|
| 5595 | GO:0019346  | 1     | 0.98794608 | 0     | 6       |
| 5596 | GO:0019348  | 1     | 0.991926075 | 0     | 4       |
| 5597 | GO:0019363  | 1     | 0.980083337 | 0     | 10      |
| 5598 | GO:0019367  | 1     | 0.987988928 | 0     | 6       |
| 5599 | GO:0019369  | 1     | 0.928095788 | 0     | 37      |
| 5600 | GO:0019370  | 1     | 0.981924754 | 0     | 9       |
| 5601 | GO:0019371  | 1     | 0.98021093  | 0     | 10      |
| 5602 | GO:0019372  | 1     | 0.968142733 | 0     | 16      |
| 5603 | GO:0019373  | 1     | 0.962347329 | 0     | 19      |
| 5604 | GO:0019377  | 1     | 0.995989104 | 0     | 2       |
| 5605 | GO:0019388  | 1     | 0.987963822 | 0     | 6       |
| 5606 | GO:0019391  | 1     | 0.995976321 | 0     | 2       |
| 5607 | GO:0019395  | 1     | 0.968369146 | 0     | 16      |
| 5608 | GO:0019402  | 1     | 0.997967309 | 0     | 1       |
| 5609 | GO:0019408  | 1     | 0.996005421 | 0     | 2       |
| 5610 | GO:0019413  | 1     | 0.996009229 | 0     | 2       |
| 5611 | GO:0019417  | 1     | 0.996012841 | 0     | 2       |
| 5612 | GO:0019427  | 1     | 0.996009229 | 0     | 2       |
| 5613 | GO:0019430  | 1     | 0.977941892 | 0     | 11      |
| 5614 | GO:0019432  | 1     | 0.96488456  | 0     | 17      |
| 5615 | GO:0019433  | 1     | 0.964354876 | 0     | 18      |
| 5616 | GO:0019438  | 1     | 0.997966837 | 0     | 1       |
| 5617 | GO:0019439  | 1     | 0.989907247 | 0     | 5       |
| 5618 | GO:0019440  | 1     | 0.997979521 | 0     | 1       |
| 5619 | GO:0019441  | 1     | 0.988911178 | 0     | 5       |
| 5620 | GO:0019442  | 1     | 0.995947103 | 0     | 2       |
| 5621 | GO:0019448  | 1     | 0.995963941 | 0     | 2       |
| 5622 | GO:0019449  | 1     | 0.997989828 | 0     | 1       |
| 5623 | GO:0019452  | 1     | 0.997989828 | 0     | 1       |
| 5624 | GO:0019464  | 1     | 0.993967408 | 0     | 3       |
| 5625 | GO:0019470  | 1     | 0.991980455 | 0     | 4       |
| 5626 | GO:0019477  | 1     | 0.998013437 | 0     | 1       |
| 5627 | GO:0019478  | 1     | 0.997972026 | 0     | 1       |
| 5628 | GO:0019482  | 1     | 0.995987241 | 0     | 2       |
| 5629 | GO:0019483  | 1     | 0.995980026 | 0     | 2       |
| 5630 | GO:0019509  | 1     | 0.989965507 | 0     | 5       |
| 5631 | GO:0019510  | 1     | 0.997983347 | 0     | 1       |
| 5632 | GO:0019511  | 1     | 0.986006993 | 0     | 7       |
| 5633 | GO:0019516  | 1     | 0.997965332 | 0     | 1       |
| 5634 | GO:0019518  | 1     | 0.991925759 | 0     | 4       |
| 5635 | GO:0019521  | 1     | 0.997977668 | 0     | 1       |
| 5636 | GO:0019530  | 1     | 0.9900521   | 0     | 5       |
| 5637 | GO:0019531  | 1     | 0.982153123 | 0     | 9       |
| 5638 | GO:0019532  | 1     | 0.982153123 | 0     | 9       |
| 5639 | GO:0019534  | 1     | 0.988052368 | 0     | 6       |
| GO:0019538 | 1 | 0.984041143 | 0 | 8 |
|GO:0019542 | 1 | 0.996009229 | 0 | 2 |
|GO:0019543 | 1 | 0.997978061 | 0 | 1 |
|GO:0019544 | 1 | 0.997978312 | 0 | 1 |
|GO:0019547 | 1 | 0.997978287 | 0 | 1 |
|GO:0019550 | 1 | 0.995970589 | 0 | 2 |
|GO:0019551 | 1 | 0.995970589 | 0 | 2 |
|GO:0019556 | 1 | 0.991978108 | 0 | 4 |
|GO:0019557 | 1 | 0.991978108 | 0 | 4 |
|GO:0019563 | 1 | 0.990029329 | 0 | 5 |
|GO:0019605 | 1 | 0.997979579 | 0 | 1 |
|GO:0019606 | 1 | 0.997972849 | 0 | 1 |
|GO:0019626 | 1 | 0.98963054 | 0 | 5 |
|GO:0019627 | 1 | 0.997976314 | 0 | 1 |
|GO:0019637 | 1 | 0.997992461 | 0 | 1 |
|GO:0019640 | 1 | 0.989927379 | 0 | 5 |
|GO:0019646 | 1 | 0.997990564 | 0 | 1 |
|GO:0019673 | 1 | 0.991909098 | 0 | 4 |
|GO:0019674 | 1 | 0.970254372 | 0 | 15 |
|GO:0019676 | 1 | 0.998010419 | 0 | 1 |
|GO:0019677 | 1 | 0.993988898 | 0 | 3 |
|GO:0019682 | 1 | 0.995938225 | 0 | 2 |
|GO:0019693 | 1 | 0.991926624 | 0 | 4 |
|GO:0019695 | 1 | 0.994004143 | 0 | 3 |
|GO:0019705 | 1 | 0.988072179 | 0 | 6 |
|GO:0019706 | 1 | 0.947106722 | 0 | 27 |
|GO:0019722 | 1 | 0.866876217 | 0 | 71 |
|GO:0019724 | 1 | 0.987939654 | 0 | 6 |
|GO:0019725 | 1 | 0.982030858 | 0 | 9 |
|GO:0019730 | 1 | 0.92751888 | 0 | 37 |
|GO:0019731 | 1 | 0.944699665 | 0 | 28 |
|GO:0019732 | 1 | 0.991947934 | 0 | 4 |
|GO:0019742 | 1 | 0.997985159 | 0 | 1 |
|GO:0019747 | 1 | 0.997958205 | 0 | 1 |
|GO:0019752 | 1 | 0.956406905 | 0 | 22 |
|GO:0019763 | 1 | 0.997971945 | 0 | 1 |
|GO:0019766 | 1 | 0.997971104 | 0 | 1 |
|GO:0019767 | 1 | 0.997952005 | 0 | 1 |
|GO:0019772 | 1 | 0.997971783 | 0 | 1 |
|GO:0019773 | 1 | 0.985821611 | 0 | 7 |
|GO:0019774 | 1 | 0.977799278 | 0 | 11 |
|GO:0019776 | 1 | 0.99765121 | 0 | 1 |
|GO:0019777 | 1 | 0.99593508 | 0 | 2 |
|GO:0019778 | 1 | 0.998012836 | 0 | 1 |
|GO:0019779 | 1 | 0.998012836 | 0 | 1 |
| GO:19780 | 1 | 0.998013437 | 0 | 1 |
| GO:19781 | 1 | 0.995960083 | 0 | 2 |
| GO:19782 | 1 | 0.997999323 | 0 | 1 |
| GO:19783 | 1 | 0.994005912 | 0 | 3 |
| GO:19784 | 1 | 0.989992181 | 0 | 5 |
| GO:19787 | 1 | 0.987979383 | 0 | 6 |
| GO:19788 | 1 | 0.995941417 | 0 | 2 |
| GO:19789 | 1 | 0.966334253 | 0 | 17 |
| GO:19797 | 1 | 0.993983524 | 0 | 3 |
| GO:19799 | 1 | 0.997990564 | 0 | 1 |
| GO:19800 | 1 | 0.998013437 | 0 | 1 |
| GO:19803 | 1 | 0.997967723 | 0 | 1 |
| GO:19809 | 1 | 0.99592624 | 0 | 2 |
| GO:19810 | 1 | 0.997998357 | 0 | 1 |
| GO:19811 | 1 | 0.998013437 | 0 | 1 |
| GO:19813 | 1 | 0.993953275 | 0 | 3 |
| GO:19815 | 1 | 0.946732808 | 0 | 27 |
| GO:19816 | 1 | 0.98982529 | 0 | 5 |
| GO:19817 | 1 | 0.902546653 | 0 | 51 |
| GO:19818 | 1 | 0.986000994 | 0 | 7 |
| GO:19819 | 1 | 0.964743786 | 0 | 18 |
| GO:19827 | 1 | 0.98977188 | 0 | 5 |
| GO:19834 | 1 | 0.910045978 | 0 | 47 |
| GO:19841 | 1 | 0.9790696 | 0 | 10 |
| GO:19842 | 1 | 0.992000383 | 0 | 4 |
| GO:19843 | 1 | 0.910889167 | 0 | 46 |
| GO:19852 | 1 | 0.982031731 | 0 | 9 |
| GO:19853 | 1 | 0.995950795 | 0 | 2 |
| GO:19855 | 1 | 0.97997489 | 0 | 10 |
| GO:19856 | 1 | 0.993998455 | 0 | 3 |
| GO:19858 | 1 | 0.995967752 | 0 | 2 |
| GO:19859 | 1 | 0.99781631 | 0 | 1 |
| GO:19860 | 1 | 0.995956107 | 0 | 2 |
| GO:19862 | 1 | 0.997971104 | 0 | 1 |
| GO:19863 | 1 | 0.993917507 | 0 | 3 |
| GO:19864 | 1 | 0.989875845 | 0 | 5 |
| GO:19865 | 1 | 0.98595182 | 0 | 2 |
| GO:19866 | 1 | 0.997984252 | 0 | 1 |
| GO:19867 | 1 | 0.994031397 | 0 | 3 |
| GO:19869 | 1 | 0.980110675 | 0 | 10 |
| GO:19870 | 1 | 0.984145001 | 0 | 8 |
| GO:19871 | 1 | 0.984058637 | 0 | 8 |
| GO:0019878 | 1 | 0.99600958 | 0 | 2 |
| GO:0019882 | 1 | 0.918545883 | 0 | 42 |
| GO:0019883 | 1 | 0.995968412 | 0 | 2 |
| GO:0019884 | 1 | 0.995931476 | 0 | 2 |
| GO:0019885 | 1 | 0.982116627 | 0 | 9 |
| GO:0019886 | 1 | 0.827305424 | 0 | 94 |
| GO:0019887 | 1 | 0.97606422 | 0 | 12 |
| GO:0019888 | 1 | 0.917447907 | 0 | 43 |
| GO:0019889 | 1 | 0.980181723 | 0 | 10 |
| GO:0019890 | 1 | 0.95671252 | 0 | 22 |
| GO:0019891 | 1 | 0.889814365 | 0 | 58 |
| GO:0019892 | 1 | 0.817858733 | 0 | 100 |
| GO:0019893 | 1 | 0.390955433 | 0 | 463 |
| GO:0019894 | 1 | 0.908254785 | 0 | 48 |
| GO:0019895 | 1 | 0.83796327 | 0 | 88 |
| GO:0019896 | 1 | 0.600054867 | 0 | 253 |
| GO:0019897 | 1 | 0.891759067 | 0 | 57 |
| GO:0019898 | 1 | 0.993917522 | 0 | 3 |
| GO:0019899 | 1 | 0.994007473 | 0 | 3 |
| GO:0019900 | 1 | 0.91884947 | 0 | 9 |
| GO:0019901 | 1 | 0.997981914 | 0 | 1 |
| GO:0019902 | 1 | 0.952762263 | 0 | 24 |
| GO:0019903 | 1 | 0.99175634 | 0 | 4 |
| GO:0019904 | 1 | 0.989956858 | 0 | 5 |
| GO:0019905 | 1 | 0.99193556 | 0 | 4 |
| GO:0019906 | 1 | 0.949327519 | 0 | 26 |
| GO:0019907 | 1 | 0.970282056 | 0 | 15 |
| GO:0019908 | 1 | 0.998012414 | 0 | 1 |
| GO:0019909 | 1 | 0.995979383 | 0 | 2 |
| GO:0019910 | 1 | 0.984030576 | 0 | 8 |
| GO:0019911 | 1 | 0.987979278 | 0 | 6 |
| GO:0019912 | 1 | 0.966232656 | 0 | 17 |
| GO:0019913 | 1 | 0.993977269 | 0 | 3 |
| GO:0019914 | 1 | 0.996006612 | 0 | 2 |
| GO:0019915 | 1 | 0.99008039 | 0 | 5 |
| GO:0019916 | 1 | 0.99585648 | 0 | 2 |
| GO:0019917 | 1 | 0.998001265 | 0 | 1 |
| GO:0019918 | 1 | 0.98806964 | 0 | 6 |
| GO:0019919 | 1 | 0.99800453 | 0 | 1 |
| GO:0019920 | 1 | 0.993991629 | 0 | 3 |
| GO:0019921 | 1 | 0.993988051 | 0 | 3 |
| GO:0019922 | 1 | 0.996010011 | 0 | 2 |
| GO:0019923 | 1 | 0.974231685 | 0 | 13 |
| GO:0020003 | 1 | 0.997990556 | 0 | 1 |
| Gene ID | Description | Score | Count | Additional Notes |
|--------|-------------|-------|-------|-----------------|
| 5780   | GO:0020005  | 0.997990556 | 0 | 1 |
| 5781   | GO:0020018  | 0.994029085 | 0 | 3 |
| 5782   | GO:0020027  | 0.993975322 | 0 | 3 |
| 5783   | GO:0020037  | 0.76902251 | 0 | 130 |
| 5784   | GO:0021501  | 0.997980022 | 0 | 1 |
| 5785   | GO:0021502  | 0.996019363 | 0 | 2 |
| 5786   | GO:0021503  | 0.998013437 | 0 | 1 |
| 5787   | GO:0021508  | 0.998013437 | 0 | 1 |
| 5788   | GO:0021509  | 0.997978453 | 0 | 1 |
| 5789   | GO:0021510  | 0.941561905 | 0 | 30 |
| 5790   | GO:0021511  | 0.998013437 | 0 | 1 |
| 5791   | GO:0021513  | 0.990047839 | 0 | 5 |
| 5792   | GO:0021514  | 0.96016926 | 0 | 2 |
| 5793   | GO:0021515  | 0.998013437 | 0 | 1 |
| 5794   | GO:0021516  | 0.987959017 | 0 | 6 |
| 5795   | GO:0021517  | 0.982164523 | 0 | 9 |
| 5796   | GO:0021520  | 0.993953926 | 0 | 3 |
| 5797   | GO:0021521  | 0.997981567 | 0 | 1 |
| 5798   | GO:0021522  | 0.972403084 | 0 | 14 |
| 5799   | GO:0021523  | 0.995995931 | 0 | 2 |
| 5800   | GO:0021524  | 0.995969098 | 0 | 2 |
| 5801   | GO:0021526  | 0.997976434 | 0 | 1 |
| 5802   | GO:0021527  | 0.986062928 | 0 | 7 |
| 5803   | GO:0021528  | 0.997990564 | 0 | 1 |
| 5804   | GO:0021529  | 0.994019643 | 0 | 3 |
| 5805   | GO:0021530  | 0.997986219 | 0 | 1 |
| 5806   | GO:0021532  | 0.986078308 | 0 | 7 |
| 5807   | GO:0021533  | 0.997976723 | 0 | 1 |
| 5808   | GO:0021534  | 0.997984077 | 0 | 1 |
| 5809   | GO:0021535  | 0.995993074 | 0 | 2 |
| 5810   | GO:0021536  | 0.998013437 | 0 | 1 |
| 5811   | GO:0021537  | 0.950910854 | 0 | 25 |
| 5812   | GO:0021539  | 0.997971376 | 0 | 1 |
| 5813   | GO:0021540  | 0.989997555 | 0 | 5 |
| 5814   | GO:0021541  | 0.998009474 | 0 | 1 |
| 5815   | GO:0021542  | 0.978180975 | 0 | 11 |
| 5816   | GO:0021543  | 0.99399998 | 0 | 3 |
| 5817   | GO:0021544  | 0.993969971 | 0 | 3 |
| 5818   | GO:0021545  | 0.992051131 | 0 | 4 |
| 5819   | GO:0021546  | 0.995967695 | 0 | 2 |
| 5820   | GO:0021547  | 0.997980022 | 0 | 1 |
| 5821   | GO:0021548  | 0.997971376 | 0 | 1 |
| 5822   | GO:0021549  | 0.9155413 | 0 | 44 |
| 5823   | GO:0021551  | 0.998013437 | 0 | 1 |
| 5824   | GO:0021553  | 0.996030484 | 0 | 2 |
| GO          | Count | Score   | Freq | Unique Count |
|-------------|-------|---------|------|--------------|
| GO:0021554  | 1     | 0.98598095 | 0    | 7            |
| GO:0021555  | 1     | 0.995986194 | 0    | 2            |
| GO:0021557  | 1     | 0.997968974 | 0    | 1            |
| GO:0021558  | 1     | 0.997968974 | 0    | 1            |
| GO:0021559  | 1     | 0.993957158 | 0    | 3            |
| GO:0021562  | 1     | 0.998013437 | 0    | 1            |
| GO:0021563  | 1     | 0.998013437 | 0    | 1            |
| GO:0021564  | 1     | 0.998013437 | 0    | 1            |
| GO:0021566  | 1     | 0.995964138 | 0    | 2            |
| GO:0021567  | 1     | 0.997980594 | 0    | 1            |
| GO:0021569  | 1     | 0.995964138 | 0    | 2            |
| GO:0021571  | 1     | 0.998013276 | 0    | 16           |
| GO:0021592  | 1     | 0.995999228 | 0    | 2            |
| GO:0021597  | 1     | 0.995999228 | 0    | 2            |
| GO:0021599  | 1     | 0.998013276 | 0    | 16           |
| GO:0021602  | 1     | 0.994014354 | 0    | 3            |
| GO:0021604  | 1     | 0.982094254 | 0    | 9            |
| GO:0021615  | 1     | 0.994013538 | 0    | 3            |
| GO:0021623  | 1     | 0.99799889  | 0    | 1            |
| GO:0021626  | 1     | 0.995980294 | 0    | 2            |
| GO:0021629  | 1     | 0.998013437 | 0    | 1            |
| GO:0021631  | 1     | 0.992074591 | 0    | 4            |
| GO:0021633  | 1     | 0.997980594 | 0    | 1            |
| GO:0021636  | 1     | 0.99599073  | 0    | 2            |
| GO:0021637  | 1     | 0.990054637 | 0    | 5            |
| GO:0021644  | 1     | 0.99597491  | 0    | 2            |
| GO:0021649  | 1     | 0.996003648 | 0    | 2            |
| GO:0021650  | 1     | 0.998013437 | 0    | 1            |
| GO:0021659  | 1     | 0.997992206 | 0    | 1            |
| GO:0021660  | 1     | 0.997992206 | 0    | 1            |
| GO:0021665  | 1     | 0.997992206 | 0    | 1            |
| GO:0021666  | 1     | 0.997992206 | 0    | 1            |
| GO:0021670  | 1     | 0.976228922 | 0    | 12           |
| GO:0021675  | 1     | 0.970269652 | 0    | 15           |
| GO:0021678  | 1     | 0.991943744 | 0    | 4            |
| GO:0021680  | 1     | 0.982112714 | 0    | 9            |
| GO:0021681  | 1     | 0.993995503 | 0    | 3            |
| GO:0021682  | 1     | 0.998013435 | 0    | 1            |
| GO:0021683  | 1     | 0.99798286  | 0    | 1            |
| GO:0021685  | 1     | 0.998013437 | 0    | 1            |
| GO:0021687 | 1 | 0.997995247 | 0 | 1 |
|------------|---|-------------|---|---|
| GO:0021688 | 1 | 0.997999078 | 0 | 1 |
| GO:0021691 | 1 | 0.996023707 | 0 | 2 |
| GO:0021692 | 1 | 0.996007903 | 0 | 2 |
| GO:0021693 | 1 | 0.9960164   | 0 | 2 |
| GO:0021694 | 1 | 0.995979641 | 0 | 2 |
| GO:0021695 | 1 | 0.98998911  | 0 | 5 |
| GO:0021696 | 1 | 0.992020795 | 0 | 4 |
| GO:0021697 | 1 | 0.993976556 | 0 | 3 |
| GO:0021700 | 1 | 0.998013437 | 0 | 1 |
| GO:0021702 | 1 | 0.982156676 | 0 | 9 |
| GO:0021707 | 1 | 0.976236378 | 0 | 12|
| GO:0021722 | 1 | 0.998003586 | 0 | 1 |
| GO:0021738 | 1 | 0.998003586 | 0 | 1 |
| GO:0021759 | 1 | 0.994016413 | 0 | 3 |
| GO:0021761 | 1 | 0.996029519 | 0 | 1 |
| GO:0021754 | 1 | 0.997960497 | 0 | 1 |
| GO:0021756 | 1 | 0.976236378 | 0 | 12|
| GO:0021757 | 1 | 0.886514384 | 0 | 60|
| GO:0021758 | 1 | 0.997969048 | 0 | 1 |
| GO:0021759 | 1 | 0.998001701 | 0 | 1 |
| GO:0021769 | 1 | 0.993987609 | 0 | 3 |
| GO:0021771 | 1 | 0.998013436 | 0 | 1 |
| GO:0021772 | 1 | 0.960709104 | 0 | 20|
| GO:0021773 | 1 | 0.992044983 | 0 | 4 |
| GO:0021775 | 1 | 0.994051114 | 0 | 3 |
| GO:0021776 | 1 | 0.994051114 | 0 | 3 |
| GO:0021777 | 1 | 0.998013437 | 0 | 1 |
| GO:0021779 | 1 | 0.997861219 | 0 | 1 |
| GO:0021781 | 1 | 0.993949459 | 0 | 3 |
| GO:0021782 | 1 | 0.991988394 | 0 | 4 |
| GO:0021784 | 1 | 0.995958192 | 0 | 2 |
| GO:0021785 | 1 | 0.988087385 | 0 | 6 |
| GO:0021793 | 1 | 0.998000404 | 0 | 1 |
| GO:0021794 | 1 | 0.98009659  | 0 | 10|
| GO:0021795 | 1 | 0.98410537  | 0 | 8 |
| GO:0021796 | 1 | 0.990030521 | 0 | 5 |
| GO:0021797 | 1 | 0.997979076 | 0 | 1 |
| GO:0021798 | 1 | 0.990026777 | 0 | 5 |
| ID  | GO              | Value | Proportion | p-value | Count |
|-----|-----------------|-------|------------|---------|-------|
| 5960 | GO:0021905      | 1     | 0.998013437 | 0       | 1     |
| 5961 | GO:0021910      | 1     | 0.998004776 | 0       | 1     |
| 5962 | GO:0021914      | 1     | 0.997987562 | 0       | 1     |
| 5963 | GO:0021915      | 1     | 0.917433304 | 0       | 43    |
| 5964 | GO:0021919      | 1     | 0.998002238 | 0       | 1     |
| 5965 | GO:0021924      | 1     | 0.997971213 | 0       | 1     |
| 5966 | GO:0021930      | 1     | 0.988014356 | 0       | 6     |
| 5967 | GO:0021935      | 1     | 0.96030724  | 0       | 2     |
| 5968 | GO:0021937      | 1     | 0.997983203 | 0       | 1     |
| 5969 | GO:0021938      | 1     | 0.990042322 | 0       | 5     |
| 5970 | GO:0021940      | 1     | 0.992006744 | 0       | 4     |
| 5971 | GO:0021941      | 1     | 0.998011379 | 0       | 1     |
| 5972 | GO:0021942      | 1     | 0.992022369 | 0       | 4     |
| 5973 | GO:0021943      | 1     | 0.992043161 | 0       | 4     |
| 5974 | GO:0021944      | 1     | 0.997999366 | 0       | 1     |
| 5975 | GO:0021952      | 1     | 0.982241892 | 0       | 9     |
| 5976 | GO:0021953      | 1     | 0.98606051  | 0       | 7     |
| 5977 | GO:0021954      | 1     | 0.968354843 | 0       | 16    |
| 5978 | GO:0021955      | 1     | 0.986085916 | 0       | 7     |
| 5979 | GO:0021956      | 1     | 0.99797857  | 0       | 1     |
| 5980 | GO:0021957      | 1     | 0.992067178 | 0       | 4     |
| 5981 | GO:0021960      | 1     | 0.988064407 | 0       | 6     |
| 5982 | GO:0021965      | 1     | 0.994051208 | 0       | 3     |
| 5983 | GO:0021966      | 1     | 0.997965715 | 0       | 1     |
| 5984 | GO:0021972      | 1     | 0.998012848 | 0       | 1     |
| 5985 | GO:0021978      | 1     | 0.987987617 | 0       | 6     |
| 5986 | GO:0021979      | 1     | 0.996018622 | 0       | 2     |
| 5987 | GO:0021983      | 1     | 0.960612578 | 0       | 20    |
| 5988 | GO:0021984      | 1     | 0.993956544 | 0       | 3     |
| 5989 | GO:0021985      | 1     | 0.998008316 | 0       | 1     |
| 5990 | GO:0021986      | 1     | 0.996019434 | 0       | 2     |
| 5991 | GO:0021987      | 1     | 0.863708146 | 0       | 73    |
| 5992 | GO:0021988      | 1     | 0.995986215 | 0       | 2     |
| 5993 | GO:0021989      | 1     | 0.998013392 | 0       | 1     |
| 5994 | GO:0021993      | 1     | 0.998013276 | 0       | 1     |
| 5995 | GO:0021997      | 1     | 0.996030731 | 0       | 2     |
| 5996 | GO:0021998      | 1     | 0.998003307 | 0       | 1     |
| 5997 | GO:0021999      | 1     | 0.998013437 | 0       | 1     |
| 5998 | GO:0022007      | 1     | 0.995992048 | 0       | 2     |
| 5999 | GO:0022008      | 1     | 0.900816793 | 0       | 52    |
| 6000 | GO:0022009      | 1     | 0.99002528  | 0       | 5     |
| 6001 | GO:0022010      | 1     | 0.984078878 | 0       | 8     |
| 6002 | GO:0022011      | 1     | 0.964623627 | 0       | 18    |
| 6003 | GO:0022013      | 1     | 0.998013437 | 0       | 1     |
| 6004 | GO:0022018      | 1     | 0.998013437 | 0       | 1     |
| GO:0022027 | 1 | 0.990104248 | 0 | 5 |
| GO:0022028 | 1 | 0.992070198 | 0 | 4 |
| GO:0022029 | 1 | 0.993969242 | 0 | 3 |
| GO:0022037 | 1 | 0.99598154 | 0 | 2 |
| GO:0022038 | 1 | 0.98044008 | 0 | 6 |
| GO:0022400 | 1 | 0.956729672 | 0 | 22 |
| GO:0022405 | 1 | 0.988044008 | 0 | 6 |
| GO:0022406 | 1 | 0.997990564 | 0 | 1 |
| GO:0022407 | 1 | 0.974399148 | 0 | 13 |
| GO:0022408 | 1 | 0.974347568 | 0 | 13 |
| GO:0022409 | 1 | 0.974347568 | 0 | 13 |
| GO:0022414 | 1 | 0.98975072 | 0 | 5 |
| GO:0022417 | 1 | 0.983902009 | 0 | 8 |
| GO:0022602 | 1 | 0.993984369 | 0 | 3 |
| GO:0022604 | 1 | 0.947274415 | 0 | 27 |
| GO:0022605 | 1 | 0.997956877 | 0 | 1 |
| GO:0022607 | 1 | 0.997981946 | 0 | 1 |
| GO:0022612 | 1 | 0.988050893 | 0 | 6 |
| GO:0022615 | 1 | 0.992051339 | 0 | 3 |
| GO:0022616 | 1 | 0.997981946 | 0 | 1 |
| GO:0022618 | 1 | 0.99800762 | 0 | 1 |
| GO:0022624 | 1 | 0.891639847 | 0 | 57 |
| GO:0022625 | 1 | 0.991937345 | 0 | 4 |
| GO:0022626 | 1 | 0.997956877 | 0 | 1 |
| GO:0022627 | 1 | 0.997956877 | 0 | 1 |
| GO:0022628 | 1 | 0.96613009 | 0 | 17 |
| GO:0022629 | 1 | 0.89183194 | 0 | 56 |
| GO:0022630 | 1 | 0.852516649 | 0 | 78 |
| GO:0022631 | 1 | 0.99398614 | 0 | 3 |
| GO:0022632 | 1 | 0.99598331 | 0 | 2 |
| GO:0022633 | 1 | 0.99990564 | 0 | 1 |
| GO:0022634 | 1 | 0.99598331 | 0 | 2 |
| GO:0022635 | 1 | 0.99398614 | 0 | 3 |
| GO:0022636 | 1 | 0.980024049 | 0 | 10 |
| GO:0022637 | 1 | 0.992037065 | 0 | 4 |
| GO:0022638 | 1 | 0.972175658 | 0 | 14 |
| GO:0022639 | 1 | 0.990098148 | 0 | 5 |
| GO:0022640 | 1 | 0.993941939 | 0 | 3 |
| GO:0022641 | 1 | 0.984111259 | 0 | 8 |
| GO:0022642 | 1 | 0.99606289 | 0 | 2 |
| GO:0022643 | 1 | 0.992040197 | 0 | 4 |
| GO:0022644 | 1 | 0.991980154 | 0 | 4 |
| GO:0022645 | 1 | 0.986097541 | 0 | 7 |
| GO:0022646 | 1 | 0.997982548 | 0 | 1 |
| GO:0022647 | 1 | 0.986097541 | 0 | 7 |
| GO:0022648 | 1 | 0.833106457 | 0 | 90 |
| GO:0022904 | 1 | 0.964274474 | 0 | 18 |
| GO:0023019 | 1 | 0.968336386 | 0 | 16 |
| GO:0023021 | 1 | 0.993972021 | 0 | 3 |
| GO:0023024 | 1 | 0.991959783 | 0 | 4 |
| GO:0023025 | 1 | 0.997992275 | 0 | 1 |
| GO:0023026 | 1 | 0.968134455 | 0 | 16 |
| GO:0023029 | 1 | 0.99400556 | 0 | 3 |
| GO:0023030 | 1 | 0.995991842 | 0 | 2 |
| GO:0023031 | 1 | 0.998013437 | 0 | 2 |
| GO:0023032 | 1 | 0.935908363 | 0 | 33 |
| GO:0023033 | 1 | 0.996007655 | 0 | 2 |
| GO:0023034 | 1 | 0.974283472 | 0 | 13 |
| GO:0023035 | 1 | 0.970132184 | 0 | 15 |
| GO:0023036 | 1 | 0.936018488 | 0 | 33 |
| GO:0023037 | 1 | 0.984105484 | 0 | 8 |
| GO:0023038 | 1 | 0.968420004 | 0 | 16 |
| GO:0023039 | 1 | 0.988023679 | 0 | 6 |
| GO:0023040 | 1 | 0.939560558 | 0 | 31 |
| GO:0023041 | 1 | 0.913408644 | 0 | 45 |
| GO:0023042 | 1 | 0.926993836 | 0 | 38 |
| GO:0023043 | 1 | 0.978192354 | 0 | 11 |
| GO:0023044 | 1 | 0.982199659 | 0 | 9 |
| GO:0023045 | 1 | 0.997997916 | 0 | 1 |
| GO:0023046 | 1 | 0.693251908 | 0 | 182 |
| GO:0023047 | 1 | 0.994012397 | 0 | 3 |
| GO:0023048 | 1 | 0.674646277 | 0 | 195 |
| GO:0023049 | 1 | 0.954774419 | 0 | 23 |
| GO:0023050 | 1 | 0.934093829 | 0 | 34 |
| GO:0023051 | 1 | 0.980153232 | 0 | 10 |
| GO:0023052 | 1 | 0.998002198 | 0 | 1 |
| GO:0023053 | 1 | 0.994028912 | 0 | 3 |
| GO:0023054 | 1 | 0.714568912 | 0 | 167 |
| GO:0023055 | 1 | 0.998012834 | 0 | 1 |
| GO:0023056 | 1 | 0.998010126 | 0 | 1 |
| GO:0023057 | 1 | 0.935861876 | 0 | 33 |
| GO:0023058 | 1 | 0.976164928 | 0 | 12 |
| GO:0023059 | 1 | 0.991951881 | 0 | 4 |
| GO:0023060 | 1 | 0.995985515 | 0 | 2 |
| GO:0023061 | 1 | 0.993995861 | 0 | 3 |
| GO:0023062 | 1 | 0.966687029 | 0 | 17 |
| GO:0023063 | 1 | 0.946857275 | 0 | 27 |
| GO:0030050 | 1 | 0.966693184 | 0 | 17 |
| GO:0030055 | 1 | 0.984161638 | 0 | 6 |
| GO:0030056 | 1 | 0.988115672 | 0 | 8 |
| GO:0030057 | 1 | 0.951318646 | 0 | 25 |
| GO:0030060 | 1 | 0.991918872 | 0 | 4 |
| GO:0030061 | 1 | 0.984044721 | 0 | 8 |
| GO:0030070 | 1 | 0.998012221 | 0 | 1 |
| GO:0030071 | 1 | 0.980064542 | 0 | 10 |
| GO:0030072 | 1 | 0.993958244 | 0 | 3 |
| GO:0030073 | 1 | 0.952804802 | 0 | 24 |
| GO:0030091 | 1 | 0.989959135 | 0 | 5 |
| GO:0030097 | 1 | 0.881243636 | 0 | 63 |
| GO:0030098 | 1 | 0.988029861 | 0 | 6 |
| GO:0030099 | 1 | 0.958656695 | 0 | 21 |
| GO:0030100 | 1 | 0.933885440 | 0 | 34 |
| GO:0030101 | 1 | 0.968199837 | 0 | 16 |
| GO:0030103 | 1 | 0.997966769 | 0 | 1 |
| GO:0030104 | 1 | 0.994007099 | 0 | 3 |
| GO:0030107 | 1 | 0.997992275 | 0 | 1 |
| GO:0030108 | 1 | 0.997969391 | 0 | 1 |
| GO:0030109 | 1 | 0.997992275 | 0 | 1 |
| GO:0030111 | 1 | 0.952986677 | 0 | 24 |
| GO:0030116 | 1 | 0.991864948 | 0 | 4 |
| GO:0030117 | 1 | 0.939575667 | 0 | 31 |
| GO:0030118 | 1 | 0.986052480 | 0 | 7 |
| GO:0030119 | 1 | 0.985977759 | 0 | 7 |
| GO:0030120 | 1 | 0.960250599 | 0 | 2 |
| GO:0030121 | 1 | 0.986077527 | 0 | 7 |
| GO:0030122 | 1 | 0.982101782 | 0 | 9 |
| GO:0030123 | 1 | 0.980196452 | 0 | 10 |
| GO:0030124 | 1 | 0.989976315 | 0 | 5 |
| GO:0030125 | 1 | 0.984009350 | 0 | 8 |
| GO:0030126 | 1 | 0.974139762 | 0 | 13 |
| GO:0030127 | 1 | 0.970399172 | 0 | 15 |
| GO:0030128 | 1 | 0.998011928 | 0 | 1 |
| GO:0030130 | 1 | 0.986054708 | 0 | 7 |
| GO:0030131 | 1 | 0.976217167 | 0 | 12 |
| GO:0030132 | 1 | 0.984085379 | 0 | 8 |
| GO:0030133 | 1 | 0.820607985 | 0 | 98 |
| GO:0030134 | 1 | 0.918960498 | 0 | 42 |
| GO:0030135 | 1 | 0.991988777 | 0 | 4 |
| GO:0030136 | 1 | 0.867297946 | 0 | 71 |
| GO:0030137 | 1 | 0.970196984 | 0 | 15 |
| GO:0030139 | 1 | 0.882970258 | 0 | 62 |
| GO:0030140 | 1 | 0.968435643 | 0 | 16 |
| Term ID  | GO Function        | Value 1   | Value 2 | Value 3 | Value 4 | Value 5 |
|---------|--------------------|-----------|---------|---------|---------|---------|
| GO:0030141 | 1          | 0.842128465 | 0       | 85      |         |         |
| GO:0030142 | 1          | 0.998013437 | 0       | 1       |         |         |
| GO:0030144 | 1          | 0.995998446 | 0       | 2       |         |         |
| GO:0030145 | 1          | 0.882795567 | 0       | 62      |         |         |
| GO:0030148 | 1          | 0.90688049  | 0       | 52      |         |         |
| GO:0030149 | 1          | 0.990015569 | 0       | 5       |         |         |
| GO:0030150 | 1          | 0.958357549 | 0       | 21      |         |         |
| GO:0030151 | 1          | 0.991979123 | 0       | 4       |         |         |
| GO:0030154 | 1          | 0.187475265 | 0       | 818     |         |         |
| GO:0030155 | 1          | 0.901104609 | 0       | 52      |         |         |
| GO:0030156 | 1          | 0.990024919 | 0       | 5       |         |         |
| GO:0030157 | 1          | 0.960721716 | 0       | 20      |         |         |
| GO:0030158 | 1          | 0.99801283  | 0       | 1       |         |         |
| GO:0030159 | 1          | 0.90414476  | 0       | 50      |         |         |
| GO:0030160 | 1          | 0.90414476  | 0       | 50      |         |         |
| GO:0030161 | 1          | 0.943503391 | 0       | 29      |         |         |
| GO:0030162 | 1          | 0.976101597 | 0       | 12      |         |         |
| GO:0030163 | 1          | 0.928123673 | 0       | 37      |         |         |
| GO:0030165 | 1          | 0.846563736 | 0       | 83      |         |         |
| GO:0030166 | 1          | 0.960721716 | 0       | 20      |         |         |
| GO:0030167 | 1          | 0.99801283  | 0       | 1       |         |         |
| GO:0030168 | 1          | 0.822873725 | 0       | 97      |         |         |
| GO:0030169 | 1          | 0.970359896 | 0       | 15      |         |         |
| GO:0030170 | 1          | 0.90414476  | 0       | 50      |         |         |
| GO:0030171 | 1          | 0.997973936 | 0       | 1       |         |         |
| GO:0030172 | 1          | 0.993896418 | 0       | 3       |         |         |
| GO:0030173 | 1          | 0.886210798 | 0       | 60      |         |         |
| GO:0030174 | 1          | 0.98800692  | 0       | 6       |         |         |
| GO:0030175 | 1          | 0.858545295 | 0       | 76      |         |         |
| GO:0030177 | 1          | 0.934103148 | 0       | 34      |         |         |
| GO:0030178 | 1          | 0.911612037 | 0       | 46      |         |         |
| GO:0030182 | 1          | 0.748047689 | 0       | 144     |         |         |
| GO:0030183 | 1          | 0.888187484 | 0       | 59      |         |         |
| GO:0030184 | 1          | 0.97990556  | 0       | 1       |         |         |
| GO:0030185 | 1          | 0.993935471 | 0       | 3       |         |         |
| GO:0030187 | 1          | 0.995940161 | 0       | 2       |         |         |
| GO:0030193 | 1          | 0.982017789 | 0       | 9       |         |         |
| GO:0030194 | 1          | 0.974128559 | 0       | 13      |         |         |
| GO:0030195 | 1          | 0.974092996 | 0       | 13      |         |         |
| GO:0030197 | 1          | 0.993965087 | 0       | 3       |         |         |
| GO:0030198 | 1          | 0.625769701 | 0       | 233     |         |         |
| GO:0030199 | 1          | 0.823330349 | 0       | 97      |         |         |
| GO:0030200 | 1          | 0.993981387 | 0       | 3       |         |         |
| GO:0030201 | 1          | 0.99403207  | 0       | 3       |         |         |
| GO:0030202 | 1          | 0.97999867  | 0       | 1       |         |         |
| GO:0030203 | 1          | 0.974204844 | 0       | 13      |         |         |
| Gene ID | Gene Symbol | Description | Value | P-value | Count | |---|---|---|---|---|---|
| GO:0030204 | | | 1 | 0.990063889 | 0 | 5 |
| GO:0030205 | | | 1 | 0.996025067 | 0 | 2 |
| GO:0030206 | | | 1 | 0.953039319 | 0 | 24 |
| GO:0030207 | | | 1 | 0.974122203 | 0 | 13 |
| GO:0030208 | | | 1 | 0.978184596 | 0 | 11 |
| GO:0030209 | | | 1 | 0.979817777 | 0 | 1 |
| GO:0030210 | | | 1 | 0.98078965 | 0 | 10 |
| GO:0030211 | | | 1 | 0.987992727 | 0 | 6 |
| GO:0030212 | | | 1 | 0.97092855 | 0 | 15 |
| GO:0030213 | | | 1 | 0.95096155 | 0 | 23 |
| GO:0030214 | | | 1 | 0.893253876 | 0 | 56 |
| GO:0030215 | | | 1 | 0.919036345 | 0 | 42 |
| GO:0030216 | | | 1 | 0.984069838 | 0 | 8 |
| GO:0030217 | | | 1 | 0.968436424 | 0 | 16 |
| GO:0030218 | | | 1 | 0.998012887 | 0 | 1 |
| GO:0030219 | | | 1 | 0.98998416 | 0 | 5 |
| GO:0030220 | | | 1 | 0.968325037 | 0 | 16 |
| GO:0030221 | | | 1 | 0.96431115 | 0 | 18 |
| GO:0030222 | | | 1 | 0.998013437 | 0 | 1 |
| GO:0030223 | | | 1 | 0.97990564 | 0 | 1 |
| GO:0030224 | | | 1 | 0.99203974 | 0 | 4 |
| GO:0030225 | | | 1 | 0.997972474 | 0 | 1 |
| GO:0030226 | | | 1 | 0.94804657 | 0 | 26 |
| GO:0030227 | | | 1 | 0.98401342 | 0 | 8 |
| GO:0030228 | | | 1 | 0.998006585 | 0 | 1 |
| GO:0030229 | | | 1 | 0.988006663 | 0 | 16 |
| GO:0030230 | | | 1 | 0.976213805 | 0 | 12 |
| GO:0030231 | | | 1 | 0.989985927 | 0 | 5 |
| GO:0030232 | | | 1 | 0.993998111 | 0 | 3 |
| GO:0030233 | | | 1 | 0.990053649 | 0 | 5 |
| GO:0030234 | | | 1 | 0.990057729 | 0 | 1 |
| GO:0030235 | | | 1 | 0.972082874 | 0 | 162 |
| GO:0030236 | | | 1 | 0.976115272 | 0 | 12 |
| GO:0030237 | | | 1 | 0.997976977 | 0 | 1 |
| GO:0030238 | | | 1 | 0.997983363 | 0 | 1 |
| GO:0030239 | | | 1 | 0.99197511 | 0 | 4 |
| GO:0030240 | | | 1 | 0.987992922 | 0 | 6 |
| GO:0030241 | | | 1 | 0.982042184 | 0 | 9 |
| GO:0030242 | | | 1 | 0.952981471 | 0 | 24 |
| GO:0030243 | | | 1 | 0.989961829 | 0 | 5 |
| GO:0030244 | | | 1 | 0.990053649 | 0 | 5 |
| GO:0030245 | | | 1 | 0.997990564 | 0 | 1 |
| GO:0030246 | | | 1 | 0.997964949 | 0 | 1 |
| ID       | GO             | Value | Count | Count Type |
|----------|----------------|-------|-------|------------|
| 6235     | GO:0030272     | 1     | 0.995952499 | 2          |
| 6236     | GO:0030273     | 1     | 0.997985356 | 1          |
| 6237     | GO:0030274     | 1     | 0.990001288 | 5          |
| 6238     | GO:0030275     | 1     | 0.988050501 | 6          |
| 6239     | GO:0030276     | 1     | 0.917489181 | 43         |
| 6240     | GO:0030277     | 1     | 0.978061666 | 11         |
| 6241     | GO:0030278     | 1     | 0.972294617 | 14         |
| 6242     | GO:0030279     | 1     | 0.962612954 | 43         |
| 6243     | GO:0030280     | 1     | 0.979964133 | 10         |
| 6244     | GO:0030282     | 1     | 0.922701951 | 40         |
| 6245     | GO:0030283     | 1     | 0.989899229 | 5          |
| 6246     | GO:0030284     | 1     | 0.990029331 | 5          |
| 6247     | GO:0030285     | 1     | 0.937657772 | 32         |
| 6248     | GO:0030286     | 1     | 0.930239755 | 36         |
| 6249     | GO:0030289     | 1     | 0.991957386 | 4          |
| 6250     | GO:0030291     | 1     | 0.980150832 | 10         |
| 6251     | GO:0030292     | 1     | 0.994006307 | 3          |
| 6252     | GO:0030293     | 1     | 0.997980063 | 1          |
| 6253     | GO:0030294     | 1     | 0.99798201  | 1          |
| 6254     | GO:0030295     | 1     | 0.945260272 | 28         |
| 6255     | GO:0030296     | 1     | 0.980132491 | 10         |
| 6256     | GO:0030297     | 1     | 0.988067047 | 6          |
| 6257     | GO:0030298     | 1     | 0.99395774  | 3          |
| 6258     | GO:0030299     | 1     | 0.986035017 | 7          |
| 6259     | GO:0030300     | 1     | 0.955962851 | 2          |
| 6260     | GO:0030301     | 1     | 0.952926531 | 24         |
| 6261     | GO:0030302     | 1     | 0.997972474 | 1          |
| 6262     | GO:0030305     | 1     | 0.995988325 | 2          |
| 6263     | GO:0030307     | 1     | 0.859774346 | 75         |
| 6264     | GO:0030308     | 1     | 0.792778644 | 115        |
| 6265     | GO:0030311     | 1     | 0.978105442 | 11         |
| 6266     | GO:0030314     | 1     | 0.992054434 | 4          |
| 6267     | GO:0030315     | 1     | 0.91545999  | 44         |
| 6268     | GO:0030316     | 1     | 0.941457125 | 30         |
| 6269     | GO:0030317     | 1     | 0.873655639 | 67         |
| 6270     | GO:0030318     | 1     | 0.966568861 | 17         |
| 6271     | GO:0030321     | 1     | 0.989979482 | 5          |
| 6272     | GO:0030322     | 1     | 0.97802543  | 11         |
| 6273     | GO:0030323     | 1     | 0.988024601 | 6          |
| 6274     | GO:0030324     | 1     | 0.841303237 | 86         |
| 6275     | GO:0030325     | 1     | 0.966388585 | 17         |
| 6276     | GO:0030326     | 1     | 0.9156157   | 44         |
| 6277     | GO:0030327     | 1     | 0.994009289 | 3          |
| 6278     | GO:0030328     | 1     | 0.996004691 | 2          |
| 6279     | GO:0030330     | 1     | 0.968426075 | 16         |
| GO:0030331 | 1 | 0.917278554 | 0 | 43 |
| GO:0030332 | 1 | 0.939495008 | 0 | 31 |
| GO:0030336 | 1 | 0.795236106 | 0 | 114 |
| GO:0030337 | 1 | 0.99340984 | 0 | 3 |
| GO:0030342 | 1 | 0.997997008 | 0 | 1 |
| GO:0030343 | 1 | 0.993958226 | 0 | 3 |
| GO:0030345 | 1 | 0.993972795 | 0 | 3 |
| GO:0030346 | 1 | 0.988015752 | 0 | 6 |
| GO:0030348 | 1 | 0.99599326 | 0 | 2 |
| GO:0030350 | 1 | 0.996019831 | 0 | 2 |
| GO:0030366 | 1 | 0.997968453 | 0 | 1 |
| GO:0030368 | 1 | 0.988031432 | 0 | 6 |
| GO:0030369 | 1 | 0.996019831 | 0 | 2 |
| GO:0030371 | 1 | 0.976217766 | 0 | 12 |
| GO:0030377 | 1 | 0.997968733 | 0 | 1 |
| GO:0030378 | 1 | 0.997968733 | 0 | 1 |
| GO:0030379 | 1 | 0.998013437 | 0 | 1 |
| GO:0030382 | 1 | 0.994006307 | 0 | 3 |
| GO:0030387 | 1 | 0.99796864 | 0 | 1 |
| GO:0030388 | 1 | 0.981981987 | 0 | 9 |
| GO:0030389 | 1 | 0.995926573 | 0 | 2 |
| GO:0030393 | 1 | 0.99796864 | 0 | 1 |
| GO:0030395 | 1 | 0.997951264 | 0 | 1 |
| GO:0030407 | 1 | 0.99796909 | 0 | 1 |
| GO:0030409 | 1 | 0.997958205 | 0 | 1 |
| GO:0030421 | 1 | 0.997958205 | 0 | 1 |
| GO:0030422 | 1 | 0.980077703 | 0 | 10 |
| GO:0030423 | 1 | 0.99199202 | 0 | 4 |
| GO:0030426 | 1 | 0.989956355 | 0 | 5 |
| GO:0030427 | 1 | 0.980077703 | 0 | 10 |
| GO:0030429 | 1 | 0.986057964 | 0 | 170 |
| GO:0030431 | 1 | 0.986057964 | 0 | 170 |
| GO:0030432 | 1 | 0.986057964 | 0 | 170 |
| GO:0030433 | 1 | 0.986057964 | 0 | 170 |
| GO:0030449 | 1 | 0.986057964 | 0 | 170 |
| GO:0030473 | 1 | 0.986057964 | 0 | 170 |
| GO:0030478 | 1 | 0.986057964 | 0 | 170 |
| GO:0030479 | 1 | 0.986057964 | 0 | 170 |
| GO:0030485 | 1 | 0.986057964 | 0 | 170 |
| GO:0030488 | 1 | 0.986057964 | 0 | 170 |
| GO:0030490 | 1 | 0.986057964 | 0 | 170 |
| GO:0030492 | 1 | 0.986057964 | 0 | 170 |
| GO:0030496 | 1 | 0.986057964 | 0 | 170 |
| GO:0030497 | 1 | 0.986057964 | 0 | 170 |
| ID     | GO:0030500     | Value | P-value | Count |
|--------|----------------|-------|---------|-------|
| 6331   | 0.964422039    | 0     | 18      |
| 6333   | 0.976203854    | 0     | 12      |
| 6334   | 0.996010598    | 0     | 2       |
| 6335   | 0.994031781    | 0     | 3       |
| 6336   | 0.960806332    | 0     | 20      |
| 6338   | 0.884781698    | 0     | 61      |
| 6339   | 0.978163623    | 0     | 11      |
| 6340   | 0.94533556     | 0     | 28      |
| 6341   | 0.865239172    | 0     | 72      |
| 6342   | 0.934132257    | 0     | 34      |
| 6343   | 0.90272161     | 0     | 51      |
| 6344   | 0.960396595    | 0     | 20      |
| 6345   | 0.97429006     | 0     | 13      |
| 6346   | 0.95685651     | 0     | 22      |
| 6347   | 0.978192447    | 0     | 11      |
| 6348   | 0.968438412    | 0     | 16      |
| 6349   | 0.968420378    | 0     | 16      |
| 6351   | 0.998010344    | 0     | 1       |
| 6352   | 0.998012538    | 0     | 1       |
| 6353   | 0.997978212    | 0     | 1       |
| 6354   | 0.968104711    | 0     | 16      |
| 6355   | 0.947458984    | 0     | 27      |
| 6356   | 0.998008429    | 0     | 1       |
| 6357   | 0.970323468    | 0     | 15      |
| 6358   | 0.992023998    | 0     | 4       |
| 6359   | 0.917042383    | 0     | 43      |
| 6360   | 0.993940794    | 0     | 3       |
| 6361   | 0.996018651    | 0     | 2       |
| 6362   | 0.995987565    | 0     | 2       |
| 6363   | 0.985998314    | 0     | 7       |
| 6364   | 0.995918127    | 0     | 2       |
| 6365   | 0.987970008    | 0     | 6       |
| 6366   | 0.995976873    | 0     | 2       |
| 6367   | 0.956924075    | 0     | 22      |
| 6368   | 0.976258247    | 0     | 12      |
| 6369   | 0.99983347     | 0     | 1       |
| 6370   | 0.995972049    | 0     | 2       |
| 6371   | 0.928272472    | 0     | 37      |
| 6372   | 0.996011342    | 0     | 2       |
| 6373   | 0.991977256    | 0     | 4       |
| 6374   | 0.99006172     | 0     | 5       |
| 6375   | 0.99001947     | 0     | 5       |
| 6376   | 0.997998773    | 0     | 1       |
| 6377   | 0.993980418    | 0     | 3       |
| 6379   | 0.898644084    | 0     | 53      |
| Gene ID | GO ID   | Score 1 | Score 2 | Count 1 | Count 2 |
|--------|---------|---------|---------|---------|---------|
| 6426   | GO:0030729 | 1       | 0.997999381 | 0       | 1       |
| 6427   | GO:0030730 | 1       | 0.991939471 | 0       | 4       |
| 6428   | GO:0030731 | 1       | 0.997960398 | 0       | 1       |
| 6429   | GO:0030735 | 1       | 0.99790564  | 0       | 1       |
| 6430   | GO:0030742 | 1       | 0.958609858 | 0       | 21      |
| 6431   | GO:0030748 | 1       | 0.997987515 | 0       | 1       |
| 6432   | GO:0030791 | 1       | 0.997960398 | 0       | 1       |
| 6433   | GO:0030792 | 1       | 0.996002523 | 0       | 2       |
| 6434   | GO:0030832 | 1       | 0.99602575  | 0       | 2       |
| 6435   | GO:0030833 | 1       | 0.928180023 | 0       | 37      |
| 6436   | GO:0030834 | 1       | 0.995985401 | 0       | 2       |
| 6437   | GO:0030835 | 1       | 0.992058517 | 0       | 4       |
| 6438   | GO:0030836 | 1       | 0.984040034 | 0       | 8       |
| 6439   | GO:0030837 | 1       | 0.964521417 | 0       | 18      |
| 6440   | GO:0030838 | 1       | 0.907865023 | 0       | 48      |
| 6441   | GO:0030844 | 1       | 0.998013416 | 0       | 1       |
| 6442   | GO:0030845 | 1       | 0.997992136 | 0       | 1       |
| 6443   | GO:0030849 | 1       | 0.995991196 | 0       | 2       |
| 6444   | GO:0030850 | 1       | 0.978200084 | 0       | 11      |
| 6445   | GO:0030851 | 1       | 0.962553834 | 0       | 19      |
| 6446   | GO:0030852 | 1       | 0.99799158  | 0       | 1       |
| 6447   | GO:0030853 | 1       | 0.988098236 | 0       | 6       |
| 6448   | GO:0030854 | 1       | 0.987955409 | 0       | 6       |
| 6449   | GO:0030855 | 1       | 0.873351396 | 0       | 67      |
| 6450   | GO:0030856 | 1       | 0.982121475 | 0       | 9       |
| 6451   | GO:0030857 | 1       | 0.982165323 | 0       | 9       |
| 6452   | GO:0030858 | 1       | 0.990032679 | 0       | 5       |
| 6453   | GO:0030859 | 1       | 0.990080147 | 0       | 5       |
| 6454   | GO:0030860 | 1       | 0.997986579 | 0       | 1       |
| 6455   | GO:0030862 | 1       | 0.998013416 | 0       | 1       |
| 6456   | GO:0030863 | 1       | 0.960707889 | 0       | 20      |
| 6457   | GO:0030864 | 1       | 0.904563581 | 0       | 50      |
| 6458   | GO:0030865 | 1       | 0.962396703 | 0       | 19      |
| 6459   | GO:0030866 | 1       | 0.941739182 | 0       | 30      |
| 6460   | GO:0030867 | 1       | 0.980154993 | 0       | 10      |
| 6461   | GO:0030868 | 1       | 0.989953735 | 0       | 5       |
| 6462   | GO:0030870 | 1       | 0.986073153 | 0       | 7       |
| 6463   | GO:0030877 | 1       | 0.976259977 | 0       | 12      |
| 6464   | GO:0030878 | 1       | 0.962527857 | 0       | 19      |
| 6465   | GO:0030879 | 1       | 0.947369783 | 0       | 27      |
| 6466   | GO:0030880 | 1       | 0.995977536 | 0       | 2       |
| 6467   | GO:0030881 | 1       | 0.985916472 | 0       | 7       |
| 6468   | GO:0030882 | 1       | 0.998005257 | 0       | 1       |
| 6469   | GO:0030883 | 1       | 0.998005257 | 0       | 1       |
| 6470   | GO:0030884 | 1       | 0.998005257 | 0       | 1       |
| GO:0030886 | 1 | 0.995960025 | 0 | 2 |
| GO:0030888 | 1 | 0.992009637 | 0 | 4 |
| GO:0030889 | 1 | 0.976153401 | 0 | 12 |
| GO:0030890 | 1 | 0.931982571 | 0 | 35 |
| GO:0030891 | 1 | 0.991967868 | 0 | 4 |
| GO:0030892 | 1 | 0.997990564 | 0 | 1 |
| GO:0030893 | 1 | 0.990063729 | 0 | 5 |
| GO:0030894 | 1 | 0.993958906 | 0 | 3 |
| GO:0030895 | 1 | 0.989950518 | 0 | 5 |
| GO:0030896 | 1 | 0.976261125 | 0 | 12 |
| GO:0030897 | 1 | 0.95898469 | 0 | 21 |
| GO:0030898 | 1 | 0.96018399 | 0 | 2 |
| GO:0030899 | 1 | 0.892017048 | 0 | 57 |
| GO:0030900 | 1 | 0.949100708 | 0 | 26 |
| GO:0030901 | 1 | 0.974298217 | 0 | 13 |
| GO:0030902 | 1 | 0.98211114 | 0 | 9 |
| GO:0030903 | 1 | 0.960595694 | 0 | 20 |
| GO:0030904 | 1 | 0.991992269 | 0 | 4 |
| GO:0030905 | 1 | 0.991977164 | 0 | 4 |
| GO:0030906 | 1 | 0.994010065 | 0 | 3 |
| GO:0030907 | 1 | 0.98412565 | 0 | 8 |
| GO:0030908 | 1 | 0.988043756 | 0 | 6 |
| GO:0030909 | 1 | 0.976099262 | 0 | 12 |
| GO:0030910 | 1 | 0.985963124 | 0 | 7 |
| GO:0030911 | 1 | 0.987972256 | 0 | 6 |
| GO:0030912 | 1 | 0.995978555 | 0 | 2 |
| GO:0030913 | 1 | 0.993944349 | 0 | 3 |
| GO:0030914 | 1 | 0.989945163 | 0 | 5 |
| GO:0030915 | 1 | 0.993964388 | 0 | 3 |
| GO:0030916 | 1 | 0.976224873 | 0 | 12 |
| GO:0030917 | 1 | 0.978163124 | 0 | 11 |
| GO:0030918 | 1 | 0.991970702 | 0 | 4 |
| GO:0030919 | 1 | 0.992016726 | 0 | 4 |
| GO:0030920 | 1 | 0.980246728 | 0 | 10 |
| GO:0030921 | 1 | 0.998013175 | 0 | 1 |
| GO:0030922 | 1 | 0.993959391 | 0 | 3 |
| GO:0030923 | 1 | 0.98007397 | 0 | 10 |
| GO:0030924 | 1 | 0.997990564 | 0 | 1 |
| GO:0030925 | 1 | 0.904186548 | 0 | 50 |
| GO:0030926 | 1 | 0.970265291 | 0 | 15 |
| GO:0030927 | 1 | 0.891643291 | 0 | 57 |
| GO:0030928 | 1 | 0.995965373 | 0 | 2 |
| GO:0030929 | 1 | 0.997984426 | 0 | 1 |
| GO:0030930 | 1 | 0.988028385 | 0 | 6 |
| GO:0031167  | 1  | 0.966206165 | 0  | 17 |
| GO:0031175  | 1  | 0.776069848 | 0  | 126|
| GO:0031177  | 1  | 0.998013437 | 0  | 1  |
| GO:0031179  | 1  | 0.995979035 | 0  | 2  |
| GO:0031201  | 1  | 0.907795384 | 0  | 48 |
| GO:0031204  | 1  | 0.986005761 | 0  | 7  |
| GO:0031205  | 1  | 0.997951367 | 0  | 1  |
| GO:0031207  | 1  | 0.998013437 | 0  | 1  |
| GO:0031208  | 1  | 0.994003424 | 0  | 3  |
| GO:0031209  | 1  | 0.978254334 | 0  | 11 |
| GO:0031210  | 1  | 0.95289322  | 0  | 24 |
| GO:0031213  | 1  | 0.997961504 | 0  | 1  |
| GO:0031214  | 1  | 0.99847285  | 0  | 26 |
| GO:0031217  | 1  | 0.994013606 | 0  | 3  |
| GO:0031218  | 1  | 0.974277414 | 0  | 13 |
| GO:0031219  | 1  | 0.805526053 | 0  | 107|
| GO:0031221  | 1  | 0.930165302 | 0  | 36 |
| GO:0031222  | 1  | 0.98210111  | 0  | 9  |
| GO:0031223  | 1  | 0.99403466  | 0  | 5  |
| GO:0031224  | 1  | 0.939761504 | 0  | 1  |
| GO:0031225  | 1  | 0.983997294 | 0  | 8  |
| GO:0031226  | 1  | 0.995995671 | 0  | 2  |
| GO:0031227  | 1  | 0.879348746 | 0  | 64 |
| GO:0031228  | 1  | 0.992028279 | 0  | 4  |
| GO:0031229  | 1  | 0.99573781  | 0  | 2  |
| GO:0031230  | 1  | 0.997985419 | 0  | 1  |
| GO:0031231  | 1  | 0.99603095  | 0  | 2  |
| GO:0031232  | 1  | 0.89196191  | 0  | 57 |
| GO:0031233  | 1  | 0.974286598 | 0  | 13 |
| GO:0031234  | 1  | 0.982123977 | 0  | 9  |
| GO:0031235  | 1  | 0.956847106 | 0  | 22 |
| GO:0031236  | 1  | 0.97990564  | 0  | 1  |
| GO:0031237  | 1  | 0.997961917 | 0  | 1  |
| GO:0031238  | 1  | 0.995971851 | 0  | 2  |
| GO:0031239  | 1  | 0.99190339  | 0  | 4  |
| GO:0031240  | 1  | 0.985979401 | 0  | 7  |
| GO:0031243  | 1  | 0.987993302 | 0  | 6  |
| GO:0031244  | 1  | 0.5899767   | 0  | 262|
| GO:0031245  | 1  | 0.997961917 | 0  | 1  |
| GO:0031246  | 1  | 0.976138092 | 0  | 12 |
| GO:0031247  | 1  | 0.997990564 | 0  | 1  |
| GO:0031248  | 1  | 0.998009271 | 0  | 1  |
| GO:0031249  | 1  | 0.993966961 | 0  | 3  |
| GO:0031250  | 1  | 0.997976977 | 0  | 1  |
| GO:0031251  | 1  | 0.993973055 | 0  | 3  |
| GO:0031284 | 1  | 0.990008201 | 0  | 5 |
| GO:0031290 | 1  | 0.968467809 | 0  | 16 |
| GO:0031291 | 1  | 0.994002755 | 0  | 3 |
| GO:0031293 | 1  | 0.964502021 | 0  | 18 |
| GO:0031295 | 1  | 0.911461086 | 0  | 46 |
| GO:0031296 | 1  | 0.993898761 | 0  | 3 |
| GO:0031297 | 1  | 0.937707161 | 0  | 32 |
| GO:0031298 | 1  | 0.980028787 | 0  | 10 |
| GO:0031300 | 1  | 0.997997582 | 0  | 1 |
| GO:0031301 | 1  | 0.995940827 | 0  | 2 |
| GO:0031302 | 1  | 0.920484379 | 0  | 41 |
| GO:0031306 | 1  | 0.96017614  | 0  | 2 |
| GO:0031307 | 1  | 0.954724982 | 0  | 23 |
| GO:0031309 | 1  | 0.97990564  | 0  | 1 |
| GO:0031312 | 1  | 0.99595969  | 0  | 2 |
| GO:0031313 | 1  | 0.984039608 | 0  | 8 |
| GO:0031314 | 1  | 0.972154353 | 0  | 14 |
| GO:0031315 | 1  | 0.998013437 | 0  | 1 |
| GO:0031323 | 1  | 0.991958387 | 0  | 4 |
| GO:0031324 | 1  | 0.99800158  | 0  | 1 |
| GO:0031325 | 1  | 0.988102652 | 0  | 6 |
| GO:0031328 | 1  | 0.99193711  | 0  | 4 |
| GO:0031333 | 1  | 0.932096681 | 0  | 35 |
| GO:0031334 | 1  | 0.900509322 | 0  | 52 |
| GO:0031338 | 1  | 0.996001226 | 0  | 2 |
| GO:0031339 | 1  | 0.995989969 | 0  | 2 |
| GO:0031340 | 1  | 0.986014561 | 0  | 7 |
| GO:0031343 | 1  | 0.981985375 | 0  | 9 |
| GO:0031344 | 1  | 0.994018312 | 0  | 3 |
| GO:0031345 | 1  | 0.99599709  | 0  | 2 |
| GO:0031346 | 1  | 0.988013108 | 0  | 6 |
| GO:0031362 | 1  | 0.972157314 | 0  | 14 |
| GO:0031365 | 1  | 0.99197032  | 0  | 4 |
| GO:0031369 | 1  | 0.952824708 | 0  | 24 |
| GO:0031370 | 1  | 0.998012228 | 0  | 1 |
| GO:0031371 | 1  | 0.995959495 | 0  | 2 |
| GO:0031372 | 1  | 0.99596163  | 0  | 2 |
| GO:0031379 | 1  | 0.99800762  | 0  | 1 |
| GO:0031380 | 1  | 0.996007903 | 0  | 2 |
| GO:0031389 | 1  | 0.997992802 | 0  | 1 |
| GO:0031390 | 1  | 0.98398659  | 0  | 8 |
| GO:0031391 | 1  | 0.994006309 | 0  | 3 |
| GO ID   | Description | Value 1     | Value 2 | Value 3 |
|---------|-------------|-------------|---------|---------|
| GO:0031392 |             | 0.9979534    |         |         |
| GO:0031393 |             | 0.996006111  |         |         |
| GO:0031394 |             | 0.987971576  |         |         |
| GO:0031396 |             | 0.962476812  |         |         |
| GO:0031398 |             | 0.863430906  |         |         |
| GO:0031401 |             | 0.991955097  |         |         |
| GO:0031402 |             | 0.986131598  |         |         |
| GO:0031403 |             | 0.996017625  |         |         |
| GO:0031404 |             | 0.980094602  |         |         |
| GO:0031405 |             | 0.998013437  |         |         |
| GO:0031406 |             | 0.983936624  |         |         |
| GO:0031408 |             | 0.995988731  |         |         |
| GO:0031415 |             | 0.991973572  |         |         |
| GO:0031416 |             | 0.995978958  |         |         |
| GO:0031417 |             | 0.994025488  |         |         |
| GO:0031418 |             | 0.96247411   |         |         |
| GO:0031419 |             | 0.982056909  |         |         |
| GO:0031422 |             | 0.998001511  |         |         |
| GO:0031424 |             | 0.835074644  |         |         |
| GO:0031427 |             | 0.994015393  |         |         |
| GO:0031428 |             | 0.985934198  |         |         |
| GO:0031429 |             | 0.98990497   |         |         |
| GO:0031430 |             | 0.954828999  |         |         |
| GO:0031431 |             | 0.996002076  |         |         |
| GO:0031432 |             | 0.978135963  |         |         |
| GO:0031433 |             | 0.98991641   |         |         |
| GO:0031434 |             | 0.974295499  |         |         |
| GO:0031435 |             | 0.964575525  |         |         |
| GO:0031436 |             | 0.93971583   |         |         |
| GO:0031439 |             | 0.998010676  |         |         |
| GO:0031440 |             | 0.994025502  |         |         |
| GO:0031441 |             | 0.997988184  |         |         |
| GO:0031442 |             | 0.986034482  |         |         |
| GO:0031443 |             | 0.998013437  |         |         |
| GO:0031444 |             | 0.995927744  |         |         |
| GO:0031448 |             | 0.998002124  |         |         |
| GO:0031453 |             | 0.998013437  |         |         |
| GO:0031460 |             | 0.998012647  |         |         |
| GO:0031461 |             | 0.970318303  |         |         |
| GO:0031462 |             | 0.970309763  |         |         |
| GO:0031463 |             | 0.926624694  |         |         |
| GO:0031464 |             | 0.976151264  |         |         |
| GO:0031465 |             | 0.990000376  |         |         |
| GO:0031466 |             | 0.985957287  |         |         |
| GO:0031467 |             | 0.991984189  |         |         |
| GO:0031468 | 1 | 0.984028514 | 0 | 8 |
|------------|---|--------------|---|---|
| GO:0031475 | 1 | 0.997970229  | 0 | 1 |
| GO:0031477 | 1 | 0.998013437  | 0 | 1 |
| GO:0031489 | 1 | 0.97024288   | 0 | 15|
| GO:0031490 | 1 | 0.947285218  | 0 | 27|
| GO:0031491 | 1 | 0.984088586  | 0 | 8 |
| GO:0031499 | 1 | 0.991977728  | 0 | 4 |
| GO:0031501 | 1 | 0.995937514  | 0 | 2 |
| GO:0031503 | 1 | 0.99599783   | 0 | 2 |
| GO:0031507 | 1 | 0.990043839  | 0 | 5 |
| GO:0031508 | 1 | 0.995963596  | 0 | 2 |
| GO:0031510 | 1 | 0.995979383  | 0 | 2 |
| GO:0031511 | 1 | 0.997972187  | 0 | 1 |
| GO:0031514 | 1 | 0.758337173  | 0 | 137|
| GO:0031515 | 1 | 0.993969553  | 0 | 3 |
| GO:0031519 | 1 | 0.947159515  | 0 | 27|
| GO:0031523 | 1 | 0.993973728  | 0 | 3 |
| GO:0031526 | 1 | 0.900849207  | 0 | 52|
| GO:0031527 | 1 | 0.968456498  | 0 | 16|
| GO:0031528 | 1 | 0.95303788   | 0 | 24|
| GO:0031529 | 1 | 0.974218432  | 0 | 13|
| GO:0031530 | 1 | 0.995925821  | 0 | 2 |
| GO:0031531 | 1 | 0.995925808  | 0 | 2 |
| GO:0031532 | 1 | 0.899132937  | 0 | 53|
| GO:0031533 | 1 | 0.994006307  | 0 | 3 |
| GO:0031536 | 1 | 0.991918282  | 0 | 4 |
| GO:0031543 | 1 | 0.992002349  | 0 | 4 |
| GO:0031544 | 1 | 0.997994788  | 0 | 1 |
| GO:0031545 | 1 | 0.993995793  | 0 | 3 |
| GO:0031547 | 1 | 0.99009845   | 0 | 5 |
| GO:0031549 | 1 | 0.998013356  | 0 | 1 |
| GO:0031550 | 1 | 0.996008341  | 0 | 2 |
| GO:0031571 | 1 | 0.982088262  | 0 | 9 |
| GO:0031573 | 1 | 0.968253996  | 0 | 16|
| GO:0031579 | 1 | 0.992029136  | 0 | 4 |
| GO:0031580 | 1 | 0.995954532  | 0 | 2 |
| GO:0031581 | 1 | 0.97629696   | 0 | 12|
| GO:0031583 | 1 | 0.99798021   | 0 | 1 |
| GO:0031584 | 1 | 0.987957715  | 0 | 6 |
| GO:0031585 | 1 | 0.998003428  | 0 | 1 |
| GO:0031587 | 1 | 0.992030745  | 0 | 4 |
| GO:0031588 | 1 | 0.982100603  | 0 | 9 |
| GO                        | Count | Log10(P) | Gene Count |
|---------------------------|-------|----------|------------|
| GO:0031589                | 1     | 0.964659641 | 0          | 18        |
| GO:0031591                | 1     | 0.99199151 | 0          | 4         |
| GO:0031592                | 1     | 0.998013437 | 0          | 1         |
| GO:0031593                | 1     | 0.935752536 | 0          | 33        |
| GO:0031594                | 1     | 0.874254469 | 0          | 67        |
| GO:0031595                | 1     | 0.993955124 | 0          | 3         |
| GO:0031596                | 1     | 0.985952063 | 0          | 7         |
| GO:0031597                | 1     | 0.968279786 | 0          | 16        |
| GO:0031598                | 1     | 0.995988776 | 0          | 2         |
| GO:0031620                | 1     | 0.989985336 | 0          | 5         |
| GO:0031621                | 1     | 0.935989311 | 0          | 33        |
| GO:0031622                | 1     | 0.998013918 | 0          | 1         |
| GO:0031623                | 1     | 0.996000357 | 0          | 2         |
| GO:0031624                | 1     | 0.97979463 | 0          | 1         |
| GO:0031625                | 1     | 0.976114722 | 0          | 12        |
| GO:0031626                | 1     | 0.990011036 | 0          | 5         |
| GO:0031627                | 1     | 0.995993059 | 0          | 2         |
| GO:0031628                | 1     | 0.96821263 | 0          | 16        |
| GO:0031629                | 1     | 0.98596283 | 0          | 7         |
| GO:0031630                | 1     | 0.962035221 | 0          | 19        |
| GO:0031631                | 1     | 0.958705974 | 0          | 21        |
| GO:0031632                | 1     | 0.980143751 | 0          | 10        |
| GO:0031633                | 1     | 0.97238574 | 0          | 14        |
| GO:0031634                | 1     | 0.996000347 | 0          | 2         |
| GO:0031635                | 1     | 0.847793344 | 0          | 82        |
| GO:0031636                | 1     | 0.909823919 | 0          | 47        |
| GO:0031637                | 1     | 0.995975333 | 0          | 2         |
| GO:0031638                | 1     | 0.998009002 | 0          | 1         |
| GO:0031639                | 1     | 0.991992975 | 0          | 4         |
| GO:0031640                | 1     | 0.939445144 | 0          | 31        |
| GO:0031641                | 1     | 0.991994337 | 0          | 4         |
| GO:0031642                | 1     | 0.98397574 | 0          | 8         |
| GO:0031643                | 1     | 0.986024951 | 0          | 7         |
| GO:0031644                | 1     | 0.880725529 | 0          | 63        |
| GO:0031645                | 1     | 0.970309123 | 0          | 15        |
| GO:0031646                | 1     | 0.972261681 | 0          | 14        |
| GO:0031647                | 1     | 0.989989064 | 0          | 5         |
| GO:0031648                | 1     | 0.976201485 | 0          | 12        |
| GO:0031649                | 1     | 0.99601944 | 0          | 2         |
| GO:0031650                | 1     | 0.962408584 | 0          | 19        |
| GO:0031651                | 1     | 0.981973502 | 0          | 9         |
| GO:0031652                | 1     | 0.968225167 | 0          | 16        |
| GO:0031653                | 1     | 0.98802735 | 0          | 6         |
| GO:0031654                | 1     | 0.962451738 | 0          | 19        |
| GO:0031655                | 1     | 0.99600265 | 0          | 2         |
| GO:0031686 | 1 | 0.997995931 | 0 | 1 |
| GO:0031687 | 1 | 0.995964815 | 0 | 2 |
| GO:0031690 | 1 | 0.997963499 | 0 | 1 |
| GO:0031691 | 1 | 0.995962914 | 0 | 2 |
| GO:0031692 | 1 | 0.993976981 | 0 | 3 |
| GO:0031694 | 1 | 0.989949016 | 0 | 5 |
| GO:0031695 | 1 | 0.997985992 | 0 | 1 |
| GO:0031696 | 1 | 0.995996116 | 0 | 2 |
| GO:0031697 | 1 | 0.990052955 | 0 | 5 |
| GO:0031698 | 1 | 0.990034830 | 0 | 5 |
| GO:0031699 | 1 | 0.998009002 | 0 | 1 |
| GO:0031700 | 1 | 0.997968900 | 0 | 1 |
| GO:0031702 | 1 | 0.986101514 | 0 | 7 |
| GO:0031703 | 1 | 0.997987857 | 0 | 1 |
| GO:0031704 | 1 | 0.995992197 | 0 | 2 |
| GO:0031707 | 1 | 0.997980210 | 0 | 1 |
| GO:0031708 | 1 | 0.995949195 | 0 | 2 |
| GO:0031710 | 1 | 0.997960745 | 0 | 1 |
| GO:0031711 | 1 | 0.997999789 | 0 | 1 |
| GO:0031715 | 1 | 0.998013114 | 0 | 1 |
| GO:0031720 | 1 | 0.989801100 | 0 | 5 |
| GO:0031721 | 1 | 0.993868591 | 0 | 3 |
| GO:0031722 | 1 | 0.997964216 | 0 | 1 |
| GO:0031726 | 1 | 0.995944849 | 0 | 2 |
| GO:0031727 | 1 | 0.997955114 | 0 | 1 |
| GO:0031728 | 1 | 0.993901250 | 0 | 3 |
| GO:0031729 | 1 | 0.995921230 | 0 | 2 |
| GO:0031731 | 1 | 0.991867925 | 0 | 4 |
| GO:0031732 | 1 | 0.997953850 | 0 | 1 |
| GO:0031735 | 1 | 0.993888360 | 0 | 3 |
| GO:0031737 | 1 | 0.997998423 | 0 | 1 |
| GO:0031748 | 1 | 0.984004787 | 0 | 8 |
| GO:0031750 | 1 | 0.990027268 | 0 | 5 |
| GO:0031751 | 1 | 0.993981711 | 0 | 3 |
| GO:0031752 | 1 | 0.995982362 | 0 | 2 |
| GO:0031753 | 1 | 0.994008632 | 0 | 3 |
| GO:0031755 | 1 | 0.995985670 | 0 | 2 |
| GO:0031762 | 1 | 0.995962914 | 0 | 2 |
| GO:0031768 | 1 | 0.997954504 | 0 | 1 |
| GO:0031773 | 1 | 0.997954463 | 0 | 1 |
| GO:0031775 | 1 | 0.998013437 | 0 | 1 |
| GO:0031780 | 1 | 0.997951561 | 0 | 2 |
| GO:0031782 | 1 | 0.995951561 | 0 | 2 |
| GO ID | Gene Ontology | Count | Score   | PDBs | 1 |
|-------|---------------|-------|---------|------|---|
| GO:0031783 | 1 | 0.997982034 | 0 | 1 |
| GO:0031798 | 1 | 0.998013437 | 0 | 1 |
| GO:0031799 | 1 | 0.995963877 | 0 | 2 |
| GO:0031800 | 1 | 0.99176016 | 0 | 4 |
| GO:0031802 | 1 | 0.98982498 | 0 | 5 |
| GO:0031812 | 1 | 0.998006527 | 0 | 1 |
| GO:0031821 | 1 | 0.992044448 | 0 | 4 |
| GO:0031826 | 1 | 0.989937065 | 0 | 5 |
| GO:0031838 | 1 | 0.987788345 | 0 | 6 |
| GO:0031839 | 1 | 0.97956554 | 0 | 1 |
| GO:0031840 | 1 | 0.97956554 | 0 | 1 |
| GO:0031848 | 1 | 0.986047508 | 0 | 7 |
| GO:0031849 | 1 | 0.991938291 | 0 | 4 |
| GO:0031852 | 1 | 0.992011446 | 0 | 4 |
| GO:0031859 | 1 | 0.99797011 | 0 | 1 |
| GO:0031860 | 1 | 0.992042721 | 0 | 4 |
| GO:0031867 | 1 | 0.998005881 | 0 | 1 |
| GO:0031870 | 1 | 0.998013437 | 0 | 1 |
| GO:0031871 | 1 | 0.994001757 | 0 | 3 |
| GO:0031883 | 1 | 0.997980267 | 0 | 1 |
| GO:0031894 | 1 | 0.998008897 | 0 | 1 |
| GO:0031896 | 1 | 0.997981914 | 0 | 1 |
| GO:0031901 | 1 | 0.728909342 | 0 | 157 |
| GO:0031904 | 1 | 0.976152838 | 0 | 12 |
| GO:0031905 | 1 | 0.993964834 | 0 | 3 |
| GO:0031906 | 1 | 0.997968714 | 0 | 1 |
| GO:0031914 | 1 | 0.993973816 | 0 | 3 |
| GO:0031915 | 1 | 0.986061133 | 0 | 7 |
| GO:0031929 | 1 | 0.96253391 | 0 | 19 |
| GO:0031930 | 1 | 0.995927051 | 0 | 2 |
| GO:0031931 | 1 | 0.98410424 | 0 | 8 |
| GO:0031932 | 1 | 0.976209374 | 0 | 12 |
| GO:0031936 | 1 | 0.974211816 | 0 | 13 |
| GO:0031937 | 1 | 0.996029156 | 0 | 2 |
| GO:0031938 | 1 | 0.997977315 | 0 | 1 |
| GO:0031940 | 1 | 0.997972367 | 0 | 1 |
| GO:0031941 | 1 | 0.937716743 | 0 | 32 |
| GO:0031943 | 1 | 0.997971738 | 0 | 1 |
| GO:0031947 | 1 | 0.998004954 | 0 | 1 |
| GO:0031952 | 1 | 0.984115906 | 0 | 8 |
| GO:0031953 | 1 | 0.980177824 | 0 | 10 |
| GO:0031954 | 1 | 0.95497276 | 0 | 23 |
| GO:0031956 | 1 | 0.989957631 | 0 | 5 |
| GO:0031957 | 1 | 0.984047939 | 0 | 8 |
| GO:0031959 | 1 | 0.998013295 | 0 | 1 |
| GO:0031960 | 1 | 0.986047671 | 0 | 7 |
| GO:0031962 | 1 | 0.98013437 | 0 | 1 |
| GO:0031981 | 1 | 0.99204289 | 0 | 4 |
| GO:0031983 | 1 | 0.99967083 | 0 | 1 |
| GO:0031990 | 1 | 0.99601191 | 0 | 2 |
| GO:0031994 | 1 | 0.97621908 | 0 | 12 |
| GO:0031995 | 1 | 0.986021781 | 0 | 7 |
| GO:0031996 | 1 | 0.978138988 | 0 | 11 |
| GO:0031997 | 1 | 0.993970477 | 0 | 3 |
| GO:0031998 | 1 | 0.988083561 | 0 | 6 |
| GO:0031999 | 1 | 0.990025709 | 0 | 5 |
| GO:0032000 | 1 | 0.984117823 | 0 | 8 |
| GO:0032001 | 1 | 0.966643239 | 0 | 17 |
| GO:0032002 | 1 | 0.99601423 | 0 | 2 |
| GO:0032006 | 1 | 0.956730939 | 0 | 22 |
| GO:0032007 | 1 | 0.951092046 | 0 | 25 |
| GO:0032008 | 1 | 0.93571549 | 0 | 33 |
| GO:0032010 | 1 | 0.99194295 | 0 | 4 |
| GO:0032012 | 1 | 0.966643239 | 0 | 17 |
| GO:0032014 | 1 | 0.99601423 | 0 | 2 |
| GO:0032021 | 1 | 0.993983524 | 0 | 3 |
| GO:0032023 | 1 | 0.99798314 | 0 | 1 |
| GO:0032024 | 1 | 0.920824602 | 0 | 41 |
| GO:0032025 | 1 | 0.987983499 | 0 | 6 |
| GO:0032026 | 1 | 0.978178102 | 0 | 11 |
| GO:0032027 | 1 | 0.991969132 | 0 | 4 |
| GO:0032028 | 1 | 0.99790365 | 0 | 1 |
| GO:0032029 | 1 | 0.998013437 | 0 | 1 |
| GO:0032034 | 1 | 0.998013437 | 0 | 1 |
| GO:0032036 | 1 | 0.983944717 | 0 | 8 |
| GO:0032038 | 1 | 0.997958906 | 0 | 1 |
| GO:0032039 | 1 | 0.964552106 | 0 | 18 |
| GO:0032040 | 1 | 0.926265334 | 0 | 38 |
| GO:0032041 | 1 | 0.980170358 | 0 | 10 |
| GO:0032042 | 1 | 0.990024817 | 0 | 5 |
| GO:0032044 | 1 | 0.995978233 | 0 | 2 |
| GO:0032045 | 1 | 0.97625496 | 0 | 12 |
| GO:0032048 | 1 | 0.99599368 | 0 | 2 |
| GO:0032049 | 1 | 0.984025742 | 0 | 8 |
| GO:0032050 | 1 | 0.98209913 | 0 | 9 |
| GO:0032051 | 1 | 0.988060432 | 0 | 6 |
| GO:0032052 | 1 | 0.985920911 | 0 | 7 |
| ID   | GO:0032053 | Value   | Count | Detail   |
|------|------------|---------|-------|----------|
| 6978 | 1          | 0.992029571 | 4     |
| 6979 | 1          | 0.995988284 | 2     |
| 6980 | 1          | 0.997989038 | 1     |
| 6981 | 1          | 0.992031484 | 4     |
| 6982 | 1          | 0.997984742 | 1     |
| 6983 | 1          | 0.982134829 | 9     |
| 6984 | 1          | 0.98207187 | 9     |
| 6985 | 1          | 0.995977269 | 2     |
| 6986 | 1          | 0.99800642 | 1     |
| 6987 | 1          | 0.99796841 | 1     |
| 6988 | 1          | 0.997969252 | 1     |
| 6989 | 1          | 0.9979952 | 1     |
| 6990 | 1          | 0.997966828 | 1     |
| 6991 | 1          | 0.99197125 | 4     |
| 6992 | 1          | 0.861420519 | 74    |
| 6993 | 1          | 0.996010026 | 2     |
| 6994 | 1          | 0.99596427 | 2     |
| 6995 | 1          | 0.870411784 | 69    |
| 6996 | 1          | 0.996003809 | 2     |
| 6997 | 1          | 0.974263099 | 13    |
| 6998 | 1          | 0.991940137 | 4     |
| 6999 | 1          | 0.997954504 | 1     |
| 7000 | 1          | 0.99194948 | 4     |
| 7001 | 1          | 0.985933896 | 7     |
| 7002 | 1          | 0.985933896 | 2     |
| 7003 | 1          | 0.996007903 | 2     |
| 7004 | 1          | 0.996003809 | 13    |
| 7005 | 1          | 0.974263099 | 2     |
| 7006 | 1          | 0.996003809 | 2     |
| 7007 | 1          | 0.996019382 | 0     |
| 7008 | 1          | 0.987950637 | 0     |
| 7009 | 1          | 0.991940137 | 4     |
| 7010 | 1          | 0.997954504 | 1     |
| 7011 | 1          | 0.99194948 | 4     |
| 7012 | 1          | 0.99796841 | 1     |
| 7013 | 1          | 0.99195047 | 4     |
| 7014 | 1          | 0.991940137 | 4     |
| 7015 | 1          | 0.997954504 | 1     |
| 7016 | 1          | 0.99194948 | 4     |
| 7017 | 1          | 0.99195047 | 4     |
| 7018 | 1          | 0.991940137 | 4     |
| 7019 | 1          | 0.99194948 | 4     |
| 7020 | 1          | 0.99195047 | 4     |
| 7021 | 1          | 0.991940137 | 4     |
| 7022 | 1          | 0.99195047 | 4     |
| 7023 | 1          | 0.991940137 | 4     |
| GO:0032272 | 1 | 0.997969972 | 0 | 1 |
| GO:0032273 | 1 | 0.98987764 | 0 | 5 |
| GO:0032274 | 1 | 0.997990564 | 0 | 1 |
| GO:0032275 | 1 | 0.994020235 | 0 | 3 |
| GO:0032277 | 1 | 0.99796294 | 0 | 1 |
| GO:0032279 | 1 | 0.974241737 | 0 | 13 |
| GO:0032280 | 1 | 0.99602906 | 0 | 2 |
| GO:0032281 | 1 | 0.964364759 | 0 | 18 |
| GO:0032286 | 1 | 0.992004992 | 0 | 4 |
| GO:0032287 | 1 | 0.984098458 | 0 | 8 |
| GO:0032288 | 1 | 0.990017267 | 0 | 5 |
| GO:0032290 | 1 | 0.99402909 | 0 | 3 |
| GO:0032298 | 1 | 0.97492461 | 0 | 1 |
| GO:0032299 | 1 | 0.99397378 | 0 | 3 |
| GO:0032300 | 1 | 0.986092395 | 0 | 7 |
| GO:0032301 | 1 | 0.994009206 | 0 | 3 |
| GO:0032302 | 1 | 0.966012447 | 0 | 2 |
| GO:0032304 | 1 | 0.995976031 | 0 | 1 |
| GO:0032305 | 1 | 0.99600765 | 0 | 2 |
| GO:0032307 | 1 | 0.98393335 | 0 | 8 |
| GO:0032308 | 1 | 0.994032818 | 0 | 3 |
| GO:0032310 | 1 | 0.995940732 | 0 | 2 |
| GO:0032311 | 1 | 0.988007155 | 0 | 6 |
| GO:0032312 | 1 | 0.990102869 | 0 | 5 |
| GO:0032313 | 1 | 0.99798603 | 0 | 1 |
| GO:0032314 | 1 | 0.978141564 | 0 | 11 |
| GO:0032315 | 1 | 0.962587332 | 0 | 19 |
| GO:0032316 | 1 | 0.966483085 | 0 | 17 |
| GO:0032317 | 1 | 0.997988246 | 0 | 1 |
| GO:0032318 | 1 | 0.998013437 | 0 | 1 |
| GO:0032319 | 1 | 0.99797218 | 0 | 1 |
| GO:0032320 | 1 | 0.994002632 | 0 | 3 |
| GO:0032321 | 1 | 0.996006481 | 0 | 2 |
| GO:0032322 | 1 | 0.993993374 | 0 | 3 |
| GO:0032323 | 1 | 0.992017124 | 0 | 4 |
| GO:0032324 | 1 | 0.815785735 | 0 | 101 |
| GO:0032325 | 1 | 0.99798048 | 0 | 1 |
| GO:0032326 | 1 | 0.987982193 | 0 | 6 |
| GO:0032327 | 1 | 0.997957079 | 0 | 1 |
| GO:0032328 | 1 | 0.99798636 | 0 | 1 |
| GO:0032329 | 1 | 0.986042051 | 0 | 7 |
| GO:0032330 | 1 | 0.997962172 | 0 | 1 |
| GO:0032331 | 1 | 0.995930973 | 0 | 2 |
| GO ID     | Score | FDR   | Count |
|-----------|-------|-------|-------|
| GO:0032429 | 0.99600165 | 0.00000165 | 2     |
| GO:0032430 | 0.998012806 | 0.000012806 | 1     |
| GO:0032431 | 0.97959823 | 0.00009823 | 1     |
| GO:0032432 | 0.981030332 | 0.000030332 | 10    |
| GO:0032433 | 0.96658335 | 0.00008335 | 17    |
| GO:0032434 | 0.972251755 | 0.000251755 | 14    |
| GO:0032435 | 0.986026784 | 0.00026784 | 7     |
| GO:0032438 | 0.956671898 | 0.000671898 | 22    |
| GO:0032440 | 0.997965198 | 0.000765198 | 1     |
| GO:0032444 | 0.994020096 | 0.00020096 | 3     |
| GO:0032446 | 0.976348115 | 0.000348115 | 12    |
| GO:0032453 | 0.999958505 | 0.0008505 | 2     |
| GO:0032456 | 0.980079514 | 0.00079514 | 1     |
| GO:0032458 | 0.995990505 | 0.000990505 | 2     |
| GO:0032465 | 0.974093461 | 0.004093461 | 13    |
| GO:0032467 | 0.986018798 | 0.0018798 | 7     |
| GO:0032469 | 0.994036882 | 0.0036882 | 3     |
| GO:0032470 | 0.995983673 | 0.005983673 | 2     |
| GO:0032471 | 0.986004542 | 0.0004542 | 7     |
| GO:0032472 | 0.998013388 | 0.0013388 | 1     |
|   | GO         |   |       |       |       |
|---|------------|---|-------|-------|-------|
| 7209 | GO:0032491 | 1 | 0.997985434 | 0 | 1 |
| 7210 | GO:0032493 | 1 | 0.99401744 | 0 | 3 |
| 7211 | GO:0032494 | 1 | 0.984033114 | 0 | 8 |
| 7212 | GO:0032495 | 1 | 0.976239214 | 0 | 12 |
| 7214 | GO:0032497 | 1 | 0.991940108 | 0 | 4 |
| 7215 | GO:0032498 | 1 | 0.998011136 | 0 | 1 |
| 7216 | GO:0032499 | 1 | 0.97961288 | 0 | 1 |
| 7217 | GO:0032500 | 1 | 0.98011136 | 0 | 1 |
| 7218 | GO:0032502 | 1 | 0.970216111 | 0 | 15 |
| 7219 | GO:0032506 | 1 | 0.994025596 | 0 | 3 |
| 7220 | GO:0032507 | 1 | 0.991965696 | 0 | 4 |
| 7221 | GO:0032508 | 1 | 0.85009099 | 0 | 81 |
| 7222 | GO:0032509 | 1 | 0.978066441 | 0 | 11 |
| 7223 | GO:0032510 | 1 | 0.990025817 | 0 | 5 |
| 7224 | GO:0032511 | 1 | 0.978031104 | 0 | 11 |
| 7225 | GO:0032515 | 1 | 0.905885456 | 0 | 49 |
| 7226 | GO:0032516 | 1 | 0.974282984 | 0 | 13 |
| 7227 | GO:0032525 | 1 | 0.980033937 | 0 | 10 |
| 7228 | GO:0032526 | 1 | 0.915250874 | 0 | 44 |
| 7229 | GO:0032527 | 1 | 0.985964656 | 0 | 7 |
| 7230 | GO:0032528 | 1 | 0.996030334 | 0 | 2 |
| 7231 | GO:0032532 | 1 | 0.988022899 | 0 | 6 |
| 7232 | GO:0032534 | 1 | 0.990069549 | 0 | 5 |
| 7233 | GO:0032535 | 1 | 0.998013415 | 0 | 1 |
| 7234 | GO:0032536 | 1 | 0.99800669 | 0 | 1 |
| 7235 | GO:0032541 | 1 | 0.984066584 | 0 | 8 |
| 7236 | GO:0032542 | 1 | 0.99599303 | 0 | 2 |
| 7237 | GO:0032543 | 1 | 0.927590249 | 0 | 37 |
| 7238 | GO:0032545 | 1 | 0.99597746 | 0 | 2 |
| 7239 | GO:0032549 | 1 | 0.994039428 | 0 | 3 |
| 7240 | GO:0032556 | 1 | 0.997962564 | 0 | 1 |
| 7241 | GO:0032557 | 1 | 0.997980968 | 0 | 1 |
| 7242 | GO:0032558 | 1 | 0.997972608 | 0 | 1 |
| 7243 | GO:0032559 | 1 | 0.993972913 | 0 | 3 |
| 7244 | GO:0032561 | 1 | 0.997981381 | 0 | 1 |
| 7245 | GO:0032564 | 1 | 0.993987098 | 0 | 3 |
| 7246 | GO:0032567 | 1 | 0.997997404 | 0 | 1 |
| 7247 | GO:0032570 | 1 | 0.933790632 | 0 | 34 |
| 7248 | GO:0032571 | 1 | 0.99795081 | 0 | 1 |
| 7249 | GO:0032574 | 1 | 0.996014027 | 0 | 2 |
| 7250 | GO:0032580 | 1 | 0.844603718 | 0 | 84 |
| 7251 | GO:0032581 | 1 | 0.997975998 | 0 | 1 |
| 7252 | GO:0032584 | 1 | 0.988044146 | 0 | 6 |
| 7253 | GO:0032585 | 1 | 0.972210212 | 0 | 14 |
| 7255 | GO:0032588 | 1 | 0.82417074 | 0 | 96 |
| GO ID  | GO Term       | Count | Jaccard Similarity | Probability | P-value | FDR-corrected P-value |
|--------|---------------|-------|--------------------|-------------|---------|-----------------------|
| GO:0032589 | 1 | 0.998012802 | 0 | 1 |
| GO:0032590 | 1 | 0.949124542 | 0 | 26 |
| GO:0032591 | 1 | 0.9723884 | 0 | 14 |
| GO:0032592 | 1 | 0.980083652 | 0 | 10 |
| GO:0032593 | 1 | 0.982085902 | 0 | 9 |
| GO:0032596 | 1 | 0.995978692 | 0 | 2 |
| GO:0032597 | 1 | 0.997981486 | 0 | 1 |
| GO:0032600 | 1 | 0.997981486 | 0 | 1 |
| GO:0032609 | 1 | 0.998013437 | 0 | 1 |
| GO:0032613 | 1 | 0.99800278 | 0 | 1 |
| GO:0032640 | 1 | 0.998006178 | 0 | 1 |
| GO:0032642 | 1 | 0.993962874 | 0 | 3 |
| GO:0032648 | 1 | 0.993986786 | 0 | 3 |
| GO:0032651 | 1 | 0.984073203 | 0 | 8 |
| GO:0032652 | 1 | 0.997968136 | 0 | 1 |
| GO:0032653 | 1 | 0.995980274 | 0 | 2 |
| GO:0032655 | 1 | 0.992023909 | 0 | 4 |
| GO:0032661 | 1 | 0.99797982 | 0 | 1 |
| GO:0032663 | 1 | 0.997978212 | 0 | 1 |
| GO:0032667 | 1 | 0.997981889 | 0 | 1 |
| GO:0032673 | 1 | 0.997963013 | 0 | 1 |
| GO:0032674 | 1 | 0.997978968 | 0 | 1 |
| GO:0032675 | 1 | 0.97811145 | 0 | 11 |
| GO:0032677 | 1 | 0.994027892 | 0 | 3 |
| GO:0032680 | 1 | 0.97619851 | 0 | 12 |
| GO:0032682 | 1 | 0.983961715 | 0 | 8 |
| GO:0032683 | 1 | 0.998009529 | 0 | 1 |
| GO:0032685 | 1 | 0.997998379 | 0 | 1 |
| GO:0032686 | 1 | 0.997997404 | 0 | 1 |
| GO:0032687 | 1 | 0.989991822 | 0 | 5 |
| GO:0032688 | 1 | 0.974178897 | 0 | 13 |
| GO:0032689 | 1 | 0.924195271 | 0 | 39 |
| GO:0032690 | 1 | 0.995970999 | 0 | 2 |
| GO:0032691 | 1 | 0.94882964 | 0 | 26 |
| GO:0032692 | 1 | 0.98999034 | 0 | 5 |
| GO:0032693 | 1 | 0.970220941 | 0 | 15 |
| GO:0032695 | 1 | 0.972233089 | 0 | 14 |
| GO:0032696 | 1 | 0.989933175 | 0 | 5 |
| GO:0032700 | 1 | 0.974142546 | 0 | 13 |
| GO:0032701 | 1 | 0.993993512 | 0 | 3 |
| GO:0032707 | 1 | 0.996001927 | 0 | 2 |
| GO:0032712 | 1 | 0.997983824 | 0 | 1 |
| GO:0032713 | 1 | 0.985963223 | 0 | 7 |
| GO:0032714 | 1 | 0.989957441 | 0 | 5 |
| GO:0032715 | 1 | 0.922671961 | 0 | 40 |
| Gene ID | GO ID   | Value | P-value | q-value | Count |
|--------|---------|-------|---------|---------|-------|
| 7303   | GO:0032717 | 1     | 0.96440349 | 0      | 18    |
| 7304   | GO:0032720 | 1     | 0.90411894  | 0      | 50    |
| 7305   | GO:0032722 | 1     | 0.928205675 | 0      | 37    |
| 7306   | GO:0032723 | 1     | 0.998013437 | 0      | 1     |
| 7307   | GO:0032724 | 1     | 0.995935437 | 0      | 2     |
| 7312   | GO:0032730 | 1     | 0.987946591 | 0      | 6     |
| 7313   | GO:0032731 | 1     | 0.907867487 | 0      | 48    |
| 7314   | GO:0032732 | 1     | 0.982079918 | 0      | 9     |
| 7316   | GO:0032735 | 1     | 0.933808595 | 0      | 34    |
| 7317   | GO:0032736 | 1     | 0.976133387 | 0      | 12    |
| 7318   | GO:0032738 | 1     | 0.99794939  | 0      | 1     |
| 7319   | GO:0032740 | 1     | 0.968235349 | 0      | 16    |
| 7320   | GO:0032741 | 1     | 0.990032732 | 0      | 5     |
| 7321   | GO:0032743 | 1     | 0.941495139 | 0      | 30    |
| 7322   | GO:0032745 | 1     | 0.995970372 | 0      | 2     |
| 7323   | GO:0032747 | 1     | 0.993958254 | 0      | 3     |
| 7324   | GO:0032752 | 1     | 0.998012951 | 0      | 1     |
| 7325   | GO:0032753 | 1     | 0.956672592 | 0      | 22    |
| 7326   | GO:0032754 | 1     | 0.982049329 | 0      | 9     |
| 7329   | GO:0032759 | 1     | 0.997973097 | 0      | 1     |
| 7331   | GO:0032761 | 1     | 0.995989829 | 0      | 2     |
| 7332   | GO:0032764 | 1     | 0.995976883 | 0      | 2     |
| 7333   | GO:0032765 | 1     | 0.994034025 | 0      | 3     |
| 7334   | GO:0032767 | 1     | 0.993979941 | 0      | 3     |
| 7335   | GO:0032769 | 1     | 0.995946212 | 0      | 2     |
| 7336   | GO:0032770 | 1     | 0.995944581 | 0      | 2     |
| 7337   | GO:0032773 | 1     | 0.996027212 | 0      | 2     |
| 7338   | GO:0032774 | 1     | 0.993934012 | 0      | 3     |
| 7339   | GO:0032775 | 1     | 0.996020318 | 0      | 2     |
| 7340   | GO:0032776 | 1     | 0.996024394 | 0      | 2     |
| 7341   | GO:0032777 | 1     | 0.991976452 | 0      | 4     |
| 7342   | GO:0032780 | 1     | 0.978022085 | 0      | 11    |
| 7343   | GO:0032781 | 1     | 0.927879541 | 0      | 37    |
| 7344   | GO:0032782 | 1     | 0.988022992 | 0      | 6     |
| 7345   | GO:0032783 | 1     | 0.990051025 | 0      | 5     |
| 7346   | GO:0032784 | 1     | 0.982069443 | 0      | 9     |
| 7347   | GO:0032785 | 1     | 0.995978233 | 0      | 2     |
| 7348   | GO:0032786 | 1     | 0.970287116 | 0      | 15    |
| 7349   | GO:0032787 | 1     | 0.995976617 | 0      | 2     |
| 7350   | GO:0032788 | 1     | 0.997972187 | 0      | 1     |
| 7351   | GO:0032789 | 1     | 0.997972187 | 0      | 1     |
| 7352   | GO:0032790 | 1     | 0.984024245 | 0      | 8     |
| 7353   | GO:0032791 | 1     | 0.995960407 | 0      | 2     |
| 7354   | GO:0032792 | 1     | 0.989997888 | 0      | 5     |
| 7355   | GO:0032793 | 1     | 0.964537594 | 0      | 18    |
| GO:0032794 | 1 | 0.970428031 | 0 | 15 |
| GO:0032795 | 1 | 0.9939718 | 0 | 3 |
| GO:0032796 | 1 | 0.995989508 | 0 | 2 |
| GO:0032797 | 1 | 0.97807851 | 0 | 11 |
| GO:0032798 | 1 | 0.997990564 | 0 | 12 |
| GO:0032799 | 1 | 0.998003561 | 0 | 1 |
| GO:0032800 | 1 | 0.998003561 | 0 | 1 |
| GO:0032801 | 1 | 0.995985516 | 0 | 2 |
| GO:0032802 | 1 | 0.993992564 | 0 | 2 |
| GO:0032803 | 1 | 0.993972939 | 0 | 3 |
| GO:0032804 | 1 | 0.990081723 | 0 | 5 |
| GO:0032805 | 1 | 0.958758341 | 0 | 21 |
| GO:0032806 | 1 | 0.99598772 | 0 | 2 |
| GO:0032807 | 1 | 0.933994068 | 0 | 3 |
| GO:0032808 | 1 | 0.989947812 | 0 | 5 |
| GO:0032809 | 1 | 0.995987498 | 0 | 2 |
| GO:0032810 | 1 | 0.987940461 | 0 | 6 |
| GO:0032811 | 1 | 0.9879704 | 0 | 6 |
| GO:0032812 | 1 | 0.995999064 | 0 | 2 |
| GO:0032813 | 1 | 0.987935286 | 0 | 6 |
| GO:0032814 | 1 | 0.99598927 | 0 | 2 |
| GO:0032815 | 1 | 0.984077702 | 0 | 8 |
| GO:0032816 | 1 | 0.997972626 | 0 | 1 |
| GO:0032817 | 1 | 0.995944309 | 0 | 2 |
| GO:0032818 | 1 | 0.993924268 | 0 | 3 |
| GO:0032819 | 1 | 0.997972973 | 0 | 1 |
| GO:0032820 | 1 | 0.988119586 | 0 | 6 |
| GO:0032821 | 1 | 0.982188162 | 0 | 9 |
| GO:0032822 | 1 | 0.9959301 | 0 | 2 |
| GO:0032823 | 1 | 0.937817263 | 0 | 32 |
| GO:0032824 | 1 | 0.998003243 | 0 | 1 |
| GO:0032825 | 1 | 0.998005976 | 0 | 1 |
| GO:0032826 | 1 | 0.995985744 | 0 | 2 |
| GO:0032827 | 1 | 0.87747164 | 0 | 65 |
| GO:0032828 | 1 | 0.994078443 | 0 | 26 |
| GO:0032829 | 1 | 0.983977497 | 0 | 8 |
| GO:0032830 | 1 | 0.982006578 | 0 | 9 |
| GO:0032831 | 1 | 0.95878298 | 0 | 21 |
| GO:0032832 | 1 | 0.997981405 | 0 | 1 |
| GO:0032833 | 1 | 0.996021835 | 0 | 2 |
| GO:0032834 | 1 | 0.994035528 | 0 | 3 |
| GO:0032835 | 1 | 0.980993411 | 0 | 63 |
| GO:0032836 | 1 | 0.980221556 | 0 | 10 |
| GO:0032889 | 1 | 0.991945513 | 0 | 4 |
|-----------|---|-------------|---|---|
| GO:0032897 | 1 | 0.968367804 | 0 | 16 |
| GO:0032900 | 1 | 0.997991904 | 0 | 1 |
| GO:0032901 | 1 | 0.998006426 | 0 | 1 |
| GO:0032902 | 1 | 0.996012026 | 0 | 2 |
| GO:0032909 | 1 | 0.992070824 | 0 | 4 |
| GO:0032911 | 1 | 0.990035589 | 0 | 5 |
| GO:0032912 | 1 | 0.996015431 | 0 | 2 |
| GO:0032913 | 1 | 0.997981486 | 0 | 1 |
| GO:0032914 | 1 | 0.987995058 | 0 | 6 |
| GO:0032915 | 1 | 0.993973089 | 0 | 3 |
| GO:0032916 | 1 | 0.996030731 | 0 | 2 |
| GO:0032918 | 1 | 0.974329761 | 0 | 13 |
| GO:0032919 | 1 | 0.99392624 | 0 | 3 |
| GO:0032920 | 1 | 0.986078063 | 0 | 7 |
| GO:0032922 | 1 | 0.990002425 | 0 | 5 |
| GO:0032924 | 1 | 0.881213972 | 0 | 63 |
| GO:0032925 | 1 | 0.974329761 | 0 | 13 |
| GO:0032926 | 1 | 0.93963857 | 0 | 3 |
| GO:0032927 | 1 | 0.980002425 | 0 | 5 |
| GO:0032928 | 1 | 0.998012951 | 0 | 1 |
| GO:0032929 | 1 | 0.99193269 | 0 | 4 |
| GO:0032930 | 1 | 0.966313182 | 0 | 17 |
| GO:0032933 | 1 | 0.98214134 | 0 | 9 |
| GO:0032934 | 1 | 0.970429766 | 0 | 15 |
| GO:0032937 | 1 | 0.993999758 | 0 | 3 |
| GO:0032938 | 1 | 0.99793296 | 0 | 1 |
| GO:0032940 | 1 | 0.980093091 | 0 | 10 |
| GO:0032943 | 1 | 0.995985623 | 0 | 2 |
| GO:0032945 | 1 | 0.99792275 | 0 | 1 |
| GO:0032946 | 1 | 0.995958226 | 0 | 2 |
| GO:0032947 | 1 | 0.861745959 | 0 | 74 |
| GO:0032948 | 1 | 0.93998553 | 0 | 3 |
| GO:0032950 | 1 | 0.978195742 | 0 | 11 |
| GO:0032951 | 1 | 0.93998768 | 0 | 3 |
| GO:0032952 | 1 | 0.998010325 | 0 | 1 |
| GO:0032953 | 1 | 0.991994997 | 0 | 4 |
| GO:0032954 | 1 | 0.978181201 | 0 | 11 |
| GO:0032955 | 1 | 0.984102081 | 0 | 8 |
| GO:0032956 | 1 | 0.978064955 | 0 | 11 |
| GO:0032957 | 1 | 0.95283162 | 0 | 24 |
| GO:0032958 | 1 | 0.976287626 | 0 | 12 |
| GO:0032959 | 1 | 0.995979578 | 0 | 2 |
| GO:0032960 | 1 | 0.998009617 | 0 | 1 |
| GO:0032961 | 1 | 0.995921204 | 0 | 2 |
| GO          | Score  | Fold Change | IDs | IDs | IDs |
|-------------|--------|-------------|-----|-----|-----|
| GO:0032976  | 1      | 0.997956473 | 0   | 1   |     |
| GO:0032977  | 1      | 0.972176955 | 0   | 14  |     |
| GO:0032979  | 1      | 0.991970468 | 0   | 4   |     |
| GO:0032980  | 1      | 0.99785324  | 0   | 1   |     |
| GO:0032981  | 1      | 0.99790564  | 0   | 1   |     |
| GO:0032982  | 1      | 0.982034761 | 0   | 9   |     |
| GO:0032983  | 1      | 0.984061451 | 0   | 8   |     |
| GO:0032984  | 1      | 0.991970468 | 0   | 4   |     |
| GO:0032985  | 1      | 0.995940209 | 0   | 2   |     |
| GO:0032986  | 1      | 0.99790564  | 0   | 1   |     |
| GO:0032987  | 1      | 0.926376003 | 0   | 38  |     |
| GO:0032988  | 1      | 0.995949936 | 0   | 2   |     |
| GO:0032989  | 1      | 0.997976366 | 0   | 1   |     |
| GO:0032990  | 1      | 0.99594331  | 0   | 2   |     |
| GO:0032991  | 1      | 0.998013437 | 0   | 1   |     |
| GO:0032992  | 1      | 0.99994159  | 0   | 1   |     |
| GO:0032993  | 1      | 0.991941746 | 0   | 4   |     |
| GO:0032994  | 1      | 0.999930468 | 0   | 1   |     |
| GO:0032995  | 1      | 0.99594928  | 0   | 2   |     |
| GO:0032996  | 1      | 0.99799382  | 0   | 1   |     |
| GO:0032997  | 1      | 0.984061451 | 0   | 8   |     |
| GO:0032998  | 1      | 0.997983713 | 0   | 1   |     |
| GO:0032999  | 1      | 0.997994159 | 0   | 1   |     |
| GO:0033000  | 1      | 0.991941746 | 0   | 4   |     |
| GO:0033001  | 1      | 0.982034761 | 0   | 9   |     |
| GO:0033002  | 1      | 0.99799116  | 0   | 1   |     |
| GO:0033003  | 1      | 0.998002555 | 0   | 1   |     |
| GO:0033004  | 1      | 0.998013356 | 0   | 1   |     |
| GO:0033005  | 1      | 0.998006917 | 0   | 1   |     |
| GO:0033006  | 1      | 0.998013437 | 0   | 1   |     |
| GO:0033007  | 1      | 0.996008057 | 0   | 2   |     |
| GO:0033008  | 1      | 0.98990476  | 0   | 5   |     |
| GO:0033009  | 1      | 0.96002706  | 0   | 2   |     |
| GO:0033010  | 1      | 0.993962883 | 0   | 3   |     |
| GO:0033011  | 1      | 0.998011533 | 0   | 1   |     |
| GO:0033012  | 1      | 0.998013437 | 0   | 1   |     |
| GO:0033013  | 1      | 0.997987546 | 0   | 1   |     |
| GO:0033014  | 1      | 0.995985075 | 0   | 2   |     |
| GO:0033015  | 1      | 0.993978178 | 0   | 3   |     |
| GO:0033016  | 1      | 0.997990564 | 0   | 1   |     |
| GO:0033017  | 1      | 0.994025476 | 0   | 3   |     |
| GO:0033018  | 1      | 0.997965514 | 0   | 1   |     |
| GO:0033019  | 1      | 0.991959307 | 0   | 4   |     |
| GO         | Count | p-value   | Count | GO         | Count | p-value   |
|------------|-------|-----------|-------|------------|-------|-----------|
| GO:0033065| 1     | 0.995951296 | 0     | GO:0033076| 1     | 0.995954363 |
| GO:0033077| 1     | 0.937694584  | 0     | GO:0033080| 1     | 0.998006585  |
| GO:0033081| 1     | 0.986038464  | 0     | GO:0033082| 1     | 0.99598927   |
| GO:0033085| 1     | 0.99193916   | 0     | GO:0033087| 1     | 0.998006585  |
| GO:0033088| 1     | 0.989960429  | 0     | GO:0033089| 1     | 0.980102796  |
| GO:0033091| 1     | 0.997988028  | 0     | GO:0033092| 1     | 0.989960655  |
| GO:0033093| 1     | 0.988057857  | 0     | GO:0033106| 1     | 0.988057857  |
| GO:0033108| 1     | 0.987911674  | 0     | GO:0033116| 1     | 0.866718895  |
| GO:0033119| 1     | 0.972345096  | 0     | GO:0033120| 1     | 0.972345096  |
| GO:0033127| 1     | 0.995986713  | 0     | GO:0033128| 1     | 0.99598318   |
| GO:0033129| 1     | 0.984038996  | 0     | GO:0033130| 1     | 0.976137141  |
| GO:0033132| 1     | 0.991967479  | 0     | GO:0033133| 1     | 0.989967807  |
| GO:0033135| 1     | 0.986140788  | 0     | GO:0033137| 1     | 0.951004694  |
| GO:0033138| 1     | 0.847774176  | 0     | GO:0033140| 1     | 0.993946466  |
| GO:0033141| 1     | 0.989998417  | 0     | GO:0033142| 1     | 0.994020289  |
| GO:0033144| 1     | 0.993958084  | 0     | GO:0033146| 1     | 0.970345979  |
| GO:0033147| 1     | 0.97037127   | 0     | GO:0033148| 1     | 0.978161     |
| GO:0033149| 1     | 0.99392156   | 0     | GO:0033150| 1     | 0.99797755   |
| GO:0033151| 1     | 0.984122571  | 0     | GO:0033152| 1     | 0.992027456  |
| GO:0033153| 1     | 0.990067392  | 0     | GO:0033154| 1     | 0.988059546  |
| GO:0033156| 1     | 0.966313232  | 0     | GO:0033162| 1     | 0.992025181  |
| GO:0033163| 1     | 0.998013437  | 0     | GO:0033166| 1     | 0.998013437  |
| GO:0033169| 1     | 0.974382344  | 0     | GO:0033170| 1     | 0.974382344  |
| GO ID     | Gene Ontology Term | Count | Score      | p-value | Rank |
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| GO:0033176|                    | 1     | 0.97972973 |         | 1    |
| GO:0033177|                    | 1     | 0.98993855 |         | 5    |
| GO:0033178|                    | 1     | 0.9959491  |         | 2    |
| GO:0033179|                    | 1     | 0.98001936 |         | 10   |
| GO:0033180|                    | 1     | 0.98601114 |         | 7    |
| GO:0033181|                    | 1     | 0.99394902 |         | 3    |
| GO:0033182|                    | 1     | 0.99595035 |         | 2    |
| GO:0033184|                    | 1     | 0.97995688 |         | 1    |
| GO:0033185|                    | 1     | 0.99389316 |         | 3    |
| GO:0033186|                    | 1     | 0.94000863 |         | 3    |
| GO:0033188|                    | 1     | 0.99400085 |         | 3    |
| GO:0033189|                    | 1     | 0.96836509 |         | 16   |
| GO:0033192|                    | 1     | 0.99005585 |         | 5    |
| GO:0033193|                    | 1     | 0.99801288 |         | 1    |
| GO:0033194|                    | 1     | 0.98403870 |         | 8    |
| GO:0033197|                    | 1     | 0.98203651 |         | 9    |
| GO:0033198|                    | 1     | 0.97004081 |         | 15   |
| GO:0033204|                    | 1     | 0.97995411 |         | 10   |
| GO:0033206|                    | 1     | 0.99600080 |         | 2    |
| GO:0033210|                    | 1     | 0.98202688 |         | 9    |
| GO:0033211|                    | 1     | 0.98605265 |         | 7    |
| GO:0033212|                    | 1     | 0.99404398 |         | 3    |
| GO:0033214|                    | 1     | 0.99784615 |         | 1    |
| GO:0033215|                    | 1     | 0.96600167 |         | 2    |
| GO:0033218|                    | 1     | 0.99595548 |         | 2    |
| GO:0033227|                    | 1     | 0.99378297 |         | 3    |
| GO:0033229|                    | 1     | 0.99402030 |         | 3    |
| GO:0033233|                    | 1     | 0.99600137 |         | 2    |
| GO:0033234|                    | 1     | 0.98403985 |         | 8    |
| GO:0033235|                    | 1     | 0.97414758 |         | 13   |
| GO:0033236|                    | 1     | 0.99598352 |         | 2    |
| GO:0033256|                    | 1     | 0.99597514 |         | 2    |
| GO:0033260|                    | 1     | 0.99595805 |         | 2    |
| GO:0033262|                    | 1     | 0.98998874 |         | 5    |
| GO:0033263|                    | 1     | 0.98804730 |         | 6    |
| GO:0033265|                    | 1     | 0.99789865 |         | 1    |
| GO:0033268|                    | 1     | 0.97242660 |         | 14   |
| GO:0033269|                    | 1     | 0.99201073 |         | 4    |
| GO:0033270|                    | 1     | 0.97822583 |         | 11   |
| GO:0033273|                    | 1     | 0.99200385 |         | 4    |
| GO:0033274|                    | 1     | 0.99801343 |         | 1    |
| GO:0033276|                    | 1     | 0.97219905 |         | 14   |
| GO:0033277|                    | 1     | 0.99600142 |         | 2    |
| GO:0033278|                    | 1     | 0.99202205 |         | 4    |
| GO:0033290 | 1 | 0.970123052 | 0 | 15 |
| GO:0033291 | 1 | 0.997947485 | 0 | 1 |
| GO:0033292 | 1 | 0.984129241 | 0 | 8 |
| GO:0033299 | 1 | 0.989999352 | 0 | 5 |
| GO:0033300 | 1 | 0.99000367 | 0 | 5 |
| GO:0033301 | 1 | 0.998004524 | 0 | 1 |
| GO:0033306 | 1 | 0.995985558 | 0 | 2 |
| GO:0033313 | 1 | 0.997995399 | 0 | 1 |
| GO:0033314 | 1 | 0.98006022 | 0 | 10 |
| GO:0033316 | 1 | 0.997994857 | 0 | 1 |
| GO:0033320 | 1 | 0.997980136 | 0 | 1 |
| GO:0033326 | 1 | 0.994028362 | 0 | 3 |
| GO:0033327 | 1 | 0.982120418 | 0 | 9 |
| GO:0033328 | 1 | 0.996004253 | 0 | 2 |
| GO:0033342 | 1 | 0.997987016 | 0 | 1 |
| GO:0033343 | 1 | 0.998013437 | 0 | 1 |
| GO:0033344 | 1 | 0.962451491 | 0 | 19 |
| GO:0033345 | 1 | 0.997984749 | 0 | 1 |
| GO:0033353 | 1 | 0.992026402 | 0 | 4 |
| GO:0033363 | 1 | 0.993973328 | 0 | 3 |
| GO:0033364 | 1 | 0.99582547 | 0 | 2 |
| GO:0033365 | 1 | 0.954980108 | 0 | 23 |
| GO:0033366 | 1 | 0.995981999 | 0 | 2 |
| GO:0033371 | 1 | 0.99796516 | 0 | 1 |
| GO:0033373 | 1 | 0.99796516 | 0 | 1 |
| GO:0033376 | 1 | 0.99796516 | 0 | 1 |
| GO:0033382 | 1 | 0.995965062 | 0 | 2 |
| GO:0033386 | 1 | 0.997991455 | 0 | 1 |
| GO:0033387 | 1 | 0.993991979 | 0 | 3 |
| GO:0033388 | 1 | 0.997981841 | 0 | 1 |
| GO:0033389 | 1 | 0.997981841 | 0 | 1 |
| GO:0033391 | 1 | 0.974316601 | 0 | 13 |
| GO:0033396 | 1 | 0.974316601 | 0 | 13 |
| GO:0033477 | 1 | 0.993937145 | 0 | 3 |
| GO:0033484 | 1 | 0.996004955 | 0 | 2 |
| GO:0033488 | 1 | 0.997995521 | 0 | 1 |
| GO:0033499 | 1 | 0.993937145 | 0 | 3 |
| GO:0033500 | 1 | 0.99581907 | 0 | 2 |
| GO:0033503 | 1 | 0.992004061 | 0 | 4 |
| GO:0033504 | 1 | 0.980013742 | 0 | 10 |
| Gene ID | GO ID     | q-value | p-value | GO Term | GO ID     | q-value | p-value | GO Term |
|--------|-----------|---------|---------|---------|-----------|---------|---------|---------|
| 7634   | GO:0033540| 1       | 0.97023887|         |           | 0       | 15      |         |
| 7635   | GO:0033549| 1       | 0.99595108|         |           | 0       | 2       |         |
| 7636   | GO:0033553| 1       | 0.990012349|        |           | 0       | 5       |         |
| 7637   | GO:0033555| 1       | 0.988114108|        |           | 0       | 6       |         |
| 7638   | GO:0033557| 1       | 0.993983524|        |           | 0       | 3       |         |
| 7639   | GO:0033558| 1       | 0.976228808|        |           | 0       | 12      |         |
| 7640   | GO:0033559| 1       | 0.99798452|         |           | 0       | 1       |         |
| 7641   | GO:0033561| 1       | 0.995999164|        |           | 0       | 2       |         |
| 7642   | GO:0033563| 1       | 0.9939998|         |           | 0       | 3       |         |
| 7643   | GO:0033564| 1       | 0.992066688|        |           | 0       | 4       |         |
| 7644   | GO:0033565| 1       | 0.994012362|        |           | 0       | 3       |         |
| 7645   | GO:0033566| 1       | 0.995979877|        |           | 0       | 2       |         |
| 7646   | GO:0033567| 1       | 0.998010808|        |           | 0       | 1       |         |
| 7647   | GO:0033572| 1       | 0.929927727|        |           | 0       | 36      |         |
| 7648   | GO:0033574| 1       | 0.943134738|        |           | 0       | 29      |         |
| 7649   | GO:0033577| 1       | 0.995965679|        |           | 0       | 2       |         |
| 7650   | GO:0033578| 1       | 0.99799873|         |           | 0       | 1       |         |
| 7651   | GO:0033580| 1       | 0.99797447|         |           | 0       | 1       |         |
| 7652   | GO:0033588| 1       | 0.985983759|        |           | 0       | 7       |         |
| 7653   | GO:0033590| 1       | 0.991961275|        |           | 0       | 4       |         |
| 7654   | GO:0033591| 1       | 0.989953345|        |           | 0       | 5       |         |
| 7655   | GO:0033592| 1       | 0.990048385|        |           | 0       | 5       |         |
| 7656   | GO:0033593| 1       | 0.998013437|        |           | 0       | 1       |         |
| 7657   | GO:0033594| 1       | 0.995942433|        |           | 0       | 2       |         |
| 7658   | GO:0033596| 1       | 0.996030719|        |           | 0       | 2       |         |
| 7659   | GO:0033597| 1       | 0.99781122|         |           | 0       | 1       |         |
| 7660   | GO:0033598| 1       | 0.982122367|        |           | 0       | 9       |         |
| 7661   | GO:0033599| 1       | 0.991928644|        |           | 0       | 4       |         |
| 7662   | GO:0033600| 1       | 0.992014371|        |           | 0       | 4       |         |
| 7663   | GO:0033601| 1       | 0.984121264|        |           | 0       | 8       |         |
| 7664   | GO:0033602| 1       | 0.992051716|        |           | 0       | 4       |         |
| 7665   | GO:0033603| 1       | 0.990020759|        |           | 0       | 5       |         |
| 7666   | GO:0033604| 1       | 0.997979332|        |           | 0       | 1       |         |
| 7667   | GO:0033605| 1       | 0.991988613|        |           | 0       | 4       |         |
| 7668   | GO:0033609| 1       | 0.997990564|        |           | 0       | 1       |         |
| 7669   | GO:0033612| 1       | 0.9920006|         |           | 0       | 4       |         |
| 7670   | GO:0033613| 1       | 0.935962844|        |           | 0       | 33      |         |
| 7671   | GO:0033615| 1       | 0.987992638|        |           | 0       | 6       |         |
| 7672   | GO:0033617| 1       | 0.95651756|         |           | 0       | 22      |         |
| 7673   | GO:0033619| 1       | 0.97806315|         |           | 0       | 11      |         |
| 7674   | GO:0033622| 1       | 0.984101464|        |           | 0       | 8       |         |
| 7675   | GO:0033623| 1       | 0.994007559|        |           | 0       | 3       |         |
| 7676   | GO:0033624| 1       | 0.994029449|        |           | 0       | 3       |         |
| 7677   | GO:0033625| 1       | 0.982059778|        |           | 0       | 9       |         |
| 7678   | GO:0033626| 1       | 0.998004409|        |           | 0       | 1       |         |
| GO:0033627 | 1 | 0.958875097 | 0 | 21 |
| GO:0033628 | 1 | 0.976166369 | 0 | 12 |
| GO:0033629 | 1 | 0.980117512 | 0 | 10 |
| GO:0033630 | 1 | 0.974214395 | 0 | 13 |
| GO:0033631 | 1 | 0.990066899 | 0 | 5 |
| GO:0033632 | 1 | 0.993976667 | 0 | 3 |
| GO:0033633 | 1 | 0.987934137 | 0 | 6 |
| GO:0033634 | 1 | 0.98051248 | 0 | 6 |
| GO:0033635 | 1 | 0.97214478 | 0 | 14 |
| GO:0033636 | 1 | 0.87236461 | 0 | 68 |
| GO:0033637 | 1 | 0.995985747 | 0 | 2 |
| GO:0033638 | 1 | 0.97989177 | 0 | 1 |
| GO:0033639 | 1 | 0.998011759 | 0 | 1 |
| GO:0033640 | 1 | 0.92622203 | 0 | 38 |
| GO:0033641 | 1 | 0.996002019 | 0 | 2 |
| GO:0033642 | 1 | 0.993980398 | 0 | 3 |
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| GO:0033644 | 1 | 0.993986404 | 0 | 3 |
| GO:0033645 | 1 | 0.982198553 | 0 | 9 |
| GO:0033646 | 1 | 0.980111828 | 0 | 10 |
| GO:0033647 | 1 | 0.974213711 | 0 | 13 |
| GO:0033648 | 1 | 0.994029461 | 0 | 3 |
| GO:0033649 | 1 | 0.994011684 | 0 | 3 |
| GO:0033650 | 1 | 0.997978951 | 0 | 1 |
| GO:0033651 | 1 | 0.983971313 | 0 | 8 |
| GO:0033652 | 1 | 0.997967667 | 0 | 1 |
| GO:0033653 | 1 | 0.997991563 | 0 | 1 |
| GO:0033654 | 1 | 0.997986719 | 0 | 1 |
| GO:0033655 | 1 | 0.991966379 | 0 | 4 |
| GO:0033656 | 1 | 0.997969548 | 0 | 1 |
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| GO:0033658 | 1 | 0.98003307 | 0 | 1 |
| GO:0033659 | 1 | 0.99800307 | 0 | 1 |
| GO:0033660 | 1 | 0.99598649 | 0 | 2 |
| GO:0033661 | 1 | 0.980120147 | 0 | 10 |
| GO:0033662 | 1 | 0.998007019 | 0 | 1 |
| GO:0033663 | 1 | 0.99798022 | 0 | 1 |
| GO:0033664 | 1 | 0.997984994 | 0 | 1 |
| GO:0033665 | 1 | 0.997992012 | 0 | 1 |
| GO:0033666 | 1 | 0.99798376 | 0 | 1 |
| GO:0033667 | 1 | 0.998013437 | 0 | 1 |
| GO:0033668 | 1 | 0.997968397 | 0 | 1 |
| GO:0033669 | 1 | 0.997959405 | 0 | 1 |
| GO:0033670 | 1 | 0.997994221 | 0 | 1 |
| GO:0033829 | 1 | 0.993948981 | 0 | 3 |
| GO:0033842 | 1 | 0.9960062 | 0 | 2 |
| GO:0033857 | 1 | 0.996030582 | 0 | 2 |
| GO:0033858 | 1 | 0.97996949 | 0 | 1 |
| GO:0033861 | 1 | 0.97984599 | 0 | 1 |
| GO:0033864 | 1 | 0.987943894 | 0 | 6 |
| GO:0033867 | 1 | 0.97972492 | 0 | 1 |
| GO:0033871 | 1 | 0.996030582 | 0 | 2 |
| GO:0033872 | 1 | 0.99597006 | 0 | 2 |
| GO:0033878 | 1 | 0.996022876 | 0 | 2 |
| GO:0033882 | 1 | 0.997982404 | 0 | 1 |
| GO:0033883 | 1 | 0.995968025 | 0 | 2 |
| GO:0033885 | 1 | 0.997984599 | 0 | 1 |
| GO:0033897 | 1 | 0.997998778 | 0 | 2 |
| GO:0033906 | 1 | 0.999963616 | 0 | 2 |
| GO:0033919 | 1 | 0.998006617 | 0 | 1 |
| GO:0033925 | 1 | 0.998011162 | 0 | 1 |
| GO:0033961 | 1 | 0.97974321 | 0 | 1 |
| GO:0033962 | 1 | 0.97231302 | 0 | 14 |
| GO:0033979 | 1 | 0.9795998778 | 0 | 2 |
| GO:0033981 | 1 | 0.979753073 | 0 | 1 |
| GO:0033989 | 1 | 0.997989596 | 0 | 1 |
| GO:0033993 | 1 | 0.974207818 | 0 | 13 |
| GO:0034012 | 1 | 0.97990564 | 0 | 1 |
| GO:0034021 | 1 | 0.993877346 | 0 | 3 |
| GO:0034038 | 1 | 0.999563945 | 0 | 1 |
| GO:0034039 | 1 | 0.995963616 | 0 | 2 |
| GO:0034040 | 1 | 0.996030731 | 0 | 2 |
| GO:0034041 | 1 | 0.97994151 | 0 | 1 |
| GO:0034045 | 1 | 0.970391347 | 0 | 15 |
| GO:0034046 | 1 | 0.984115877 | 0 | 8 |
| GO:0034054 | 1 | 0.97982404 | 0 | 1 |
| GO:0034056 | 1 | 0.99401832 | 0 | 3 |
| GO:0034057 | 1 | 0.995998729 | 0 | 2 |
| GO:0034058 | 1 | 0.984146266 | 0 | 8 |
| GO:0034059 | 1 | 0.996004841 | 0 | 2 |
| GO:0034061 | 1 | 0.993954146 | 0 | 3 |
| GO:0034062 | 1 | 0.97990564 | 0 | 1 |
| GO:0034063 | 1 | 0.955039594 | 0 | 23 |
| GO:0034066 | 1 | 0.995960674 | 0 | 2 |
| GO:0034067 | 1 | 0.962671488 | 0 | 19 |
| GO:0034080 | 1 | 0.916903493 | 0 | 43 |
| GO:0034085 | 1 | 0.998007009 | 0 | 1 |
| GO:0034087 | 1 | 0.996020014 | 0 | 2 |
| GO:0034088 | 1 | 0.992022818 | 0 | 4 |
| ID   | GO Term     | Value 1   | Value 2 | Value 3 | Value 4 |
|------|-------------|-----------|---------|---------|---------|
| 7771 | GO:0034098  | 1         | 0.98410742 | 0   | 8   |
| 7772 | GO:0034101  | 1         | 0.97989948  | 0   | 10  |
| 7773 | GO:0034103  | 1         | 0.989969299 | 0   | 5   |
| 7774 | GO:0034104  | 1         | 0.97987857  | 0   | 1   |
| 7775 | GO:0034105  | 1         | 0.99390997  | 0   | 3   |
| 7776 | GO:0034109  | 1         | 0.984084425 | 0   | 8   |
| 7777 | GO:0034111  | 1         | 0.99599649  | 0   | 2   |
| 7778 | GO:0034112  | 1         | 0.989982477 | 0   | 5   |
| 7779 | GO:0034113  | 1         | 0.951094329 | 0   | 25  |
| 7780 | GO:0034115  | 1         | 0.980056913 | 0   | 10  |
| 7781 | GO:0034116  | 1         | 0.97214105  | 0   | 14  |
| 7782 | GO:0034120  | 1         | 0.997951264 | 0   | 1   |
| 7783 | GO:0034121  | 1         | 0.988066504 | 0   | 6   |
| 7784 | GO:0034122  | 1         | 0.972302798 | 0   | 14  |
| 7785 | GO:0034123  | 1         | 0.992034568 | 0   | 4   |
| 7787 | GO:0034125  | 1         | 0.97974522  | 0   | 1   |
| 7789 | GO:0034128  | 1         | 0.986011849 | 0   | 7   |
| 7790 | GO:0034130  | 1         | 0.97992028  | 0   | 1   |
| 7791 | GO:0034134  | 1         | 0.990017261 | 0   | 5   |
| 7792 | GO:0034136  | 1         | 0.990082673 | 0   | 5   |
| 7793 | GO:0034137  | 1         | 0.986022488 | 0   | 7   |
| 7794 | GO:0034138  | 1         | 0.976113105 | 0   | 12  |
| 7795 | GO:0034140  | 1         | 0.996007223 | 0   | 2   |
| 7796 | GO:0034141  | 1         | 0.986026331 | 0   | 7   |
| 7797 | GO:0034142  | 1         | 0.966328789 | 0   | 17  |
| 7798 | GO:0034143  | 1         | 0.996015409 | 0   | 2   |
| 7799 | GO:0034144  | 1         | 0.980037316 | 0   | 10  |
| 7800 | GO:0034145  | 1         | 0.98007063  | 0   | 10  |
| 7801 | GO:0034146  | 1         | 0.99800978  | 0   | 1   |
| 7802 | GO:0034148  | 1         | 0.998010813 | 0   | 1   |
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| 7804 | GO:0034154  | 1         | 0.990022653 | 0   | 5   |
| 7806 | GO:0034161  | 1         | 0.996008423 | 0   | 2   |
| 7807 | GO:0034162  | 1         | 0.972317293 | 0   | 14  |
| 7808 | GO:0034163  | 1         | 0.998006178 | 0   | 1   |
| 7809 | GO:0034164  | 1         | 0.994025851 | 0   | 3   |
| 7811 | GO:0034166  | 1         | 0.99799902  | 0   | 1   |
| 7812 | GO:0034184  | 1         | 0.989989027 | 0   | 5   |
| 7813 | GO:0034185  | 1         | 0.968473642 | 0   | 16  |
| 7814 | GO:0034186  | 1         | 0.989954781 | 0   | 5   |
| 7815 | GO:0034188  | 1         | 0.996030731 | 0   | 2   |
| 7816 | GO:0034189  | 1         | 0.991964799 | 0   | 4   |
| 7817 | GO:0034190  | 1         | 0.99596575  | 0   | 2   |
| 7818 | GO:0034191  | 1         | 0.991956595 | 0   | 4   |
| 7819 | GO:0034197  | 1         | 0.989954299 | 0   | 5   |
| GO:0034198 | 1 | 0.850838748 | 0 | 80 |
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| GO:0034201 | 1 | 0.99200419 | 0 | 4 |
| GO:0034203 | 1 | 0.998013067 | 0 | 1 |
| GO:0034204 | 1 | 0.974441965 | 0 | 13 |
| GO:0034205 | 1 | 0.98015415 | 0 | 10 |
| GO:0034207 | 1 | 0.998013437 | 0 | 1 |
| GO:0034209 | 1 | 0.99797074 | 0 | 1 |
| GO:0034212 | 1 | 0.982181589 | 0 | 9 |
| GO:0034213 | 1 | 0.960023 | 0 | 2 |
| GO:0034214 | 1 | 0.997982652 | 0 | 1 |
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| GO:0034217 | 1 | 0.96006689 | 0 | 2 |
| GO:0034218 | 1 | 0.998012221 | 0 | 1 |
| GO:0034220 | 1 | 0.988005907 | 0 | 6 |
| GO:0034221 | 1 | 0.974270561 | 0 | 13 |
| GO:0034222 | 1 | 0.953098686 | 0 | 24 |
| GO:0034223 | 1 | 0.997969861 | 0 | 1 |
| GO:0034225 | 1 | 0.995972704 | 0 | 2 |
| GO:0034227 | 1 | 0.998013437 | 0 | 1 |
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| GO:0034230 | 1 | 0.972242848 | 0 | 14 |
| GO:0034232 | 1 | 0.998005635 | 0 | 1 |
| GO:0034233 | 1 | 0.991955601 | 0 | 4 |
| GO:0034234 | 1 | 0.997965944 | 0 | 1 |
| GO:0034235 | 1 | 0.913599276 | 0 | 45 |
| GO:0034236 | 1 | 0.99598485 | 0 | 2 |
| GO:0034238 | 1 | 0.99401482 | 0 | 3 |
| GO:0034239 | 1 | 0.99401482 | 0 | 3 |
| GO:0034240 | 1 | 0.994032474 | 0 | 3 |
| GO:0034241 | 1 | 0.998012931 | 0 | 1 |
| GO:0034242 | 1 | 0.968248661 | 0 | 16 |
| GO:0034243 | 1 | 0.987969676 | 0 | 6 |
| GO:0034244 | 1 | 0.986011027 | 0 | 7 |
| GO:0034245 | 1 | 0.964444545 | 0 | 18 |
| GO:0034246 | 1 | 0.995970058 | 0 | 2 |
| GO:0034247 | 1 | 0.921178925 | 0 | 41 |
| GO:0034248 | 1 | 0.978191355 | 0 | 11 |
| GO:0034249 | 1 | 0.994015218 | 0 | 3 |
| GO:0034250 | 1 | 0.997976203 | 0 | 1 |
| GO:0034251 | 1 | 0.99198531 | 0 | 4 |
| GO:0034252 | 1 | 0.950803923 | 0 | 25 |
| GO:0034253 | 1 | 0.995985075 | 0 | 2 |
| GO:0034254 | 1 | 0.99598037 | 0 | 2 |
| GO:0034255 | 1 | 0.991980516 | 0 | 4 |
| GO:0034351 | 1 | 0.986038799 | 0 | 7 |
|GO:0034352 | 1 | 0.997963217 | 0 | 1 |
|GO:0034353 | 1 | 0.997990564 | 0 | 1 |
|GO:0034354 | 1 | 0.987936196 | 0 | 6 |
|GO:0034355 | 1 | 0.997990564 | 0 | 1 |
|GO:0034356 | 1 | 0.972292328 | 0 | 14 |
|GO:0034358 | 1 | 0.998013437 | 0 | 1 |
|GO:0034359 | 1 | 0.998013437 | 0 | 1 |
|GO:0034360 | 1 | 0.998013437 | 0 | 1 |
|GO:0034361 | 1 | 0.972053587 | 0 | 14 |
|GO:0034362 | 1 | 0.976022864 | 0 | 12 |
|GO:0034363 | 1 | 0.991914112 | 0 | 4 |
|GO:0034364 | 1 | 0.960171899 | 0 | 20 |
|GO:0034365 | 1 | 0.99388966 | 0 | 3 |
|GO:0034366 | 1 | 0.989875042 | 0 | 5 |
|GO:0034369 | 1 | 0.997949301 | 0 | 1 |
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|GO:0034372 | 1 | 0.987850089 | 0 | 6 |
|GO:0034373 | 1 | 0.99797181 | 0 | 1 |
|GO:0034374 | 1 | 0.976069749 | 0 | 12 |
|GO:0034375 | 1 | 0.970060643 | 0 | 15 |
|GO:0034377 | 1 | 0.998008498 | 0 | 1 |
|GO:0034378 | 1 | 0.983994073 | 0 | 8 |
|GO:0034379 | 1 | 0.980094057 | 0 | 10 |
|GO:0034380 | 1 | 0.982041646 | 0 | 9 |
|GO:0034381 | 1 | 0.992008749 | 0 | 4 |
|GO:0034382 | 1 | 0.987926013 | 0 | 6 |
|GO:0034383 | 1 | 0.954857806 | 0 | 23 |
|GO:0034384 | 1 | 0.981975444 | 0 | 9 |
|GO:0034386 | 1 | 0.998012706 | 0 | 1 |
|GO:0034388 | 1 | 0.990014366 | 0 | 5 |
|GO:0034389 | 1 | 0.962435481 | 0 | 19 |
|GO:0034391 | 1 | 0.993998557 | 0 | 3 |
|GO:0034392 | 1 | 0.987997999 | 0 | 6 |
|GO:0034393 | 1 | 0.987980035 | 0 | 6 |
|GO:0034394 | 1 | 0.947373968 | 0 | 27 |
|GO:0034395 | 1 | 0.997970777 | 0 | 1 |
|GO:0034397 | 1 | 0.997990564 | 0 | 1 |
|GO:0034399 | 1 | 0.970430927 | 0 | 15 |
|GO:0034400 | 1 | 0.997970668 | 0 | 1 |
|GO:0034402 | 1 | 0.996001191 | 0 | 2 |
|GO:0034405 | 1 | 0.984021805 | 0 | 8 |
|GO:0034414 | 1 | 0.997982372 | 0 | 1 |
|GO:0034417 | 1 | 0.997992012 | 0 | 1 |
| GO:0034418 | 1 | 0.995970431 | 0 | 2 |
| GO:0034421 | 1 | 0.994005746 | 0 | 3 |
| GO:0034423 | 1 | 0.997988712 | 0 | 1 |
| GO:0034427 | 1 | 0.979934528 | 0 | 10 |
| GO:0034431 | 1 | 0.98997282 | 0 | 5 |
| GO:0034440 | 1 | 0.987971556 | 0 | 6 |
| GO:0034441 | 1 | 0.97975207 | 0 | 1 |
| GO:0034445 | 1 | 0.895678043 | 0 | 55 |
| GO:0034447 | 1 | 0.976302844 | 0 | 12 |
| GO:0034450 | 1 | 0.970375116 | 0 | 15 |
| GO:0034453 | 1 | 0.980241418 | 0 | 10 |
| GO:0034456 | 1 | 0.994008765 | 0 | 3 |
| GO:0034457 | 1 | 0.993924716 | 0 | 3 |
| GO:0034458 | 1 | 0.994001869 | 0 | 3 |
| GO:0034455 | 1 | 0.995977746 | 0 | 2 |
| GO:0034457 | 1 | 0.99324716 | 0 | 3 |
| GO:0034458 | 1 | 0.992047927 | 0 | 4 |
| GO:0034462 | 1 | 0.994008765 | 0 | 3 |
| GO:0034463 | 1 | 0.997975207 | 0 | 1 |
| GO:0034464 | 1 | 0.984061297 | 0 | 8 |
| GO:0034466 | 1 | 0.993957121 | 0 | 3 |
| GO:0034470 | 1 | 0.996003435 | 0 | 2 |
| GO:0034472 | 1 | 0.982106743 | 0 | 9 |
| GO:0034473 | 1 | 0.993915619 | 0 | 3 |
| GO:0034474 | 1 | 0.998013437 | 0 | 1 |
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| GO:0034476 | 1 | 0.993915619 | 0 | 3 |
| GO:0034477 | 1 | 0.995986257 | 0 | 2 |
| GO:0034478 | 1 | 0.997993342 | 0 | 1 |
| GO:0034485 | 1 | 0.988076399 | 0 | 6 |
| GO:0034486 | 1 | 0.997995468 | 0 | 1 |
| GO:0034497 | 1 | 0.974288692 | 0 | 13 |
| GO:0034498 | 1 | 0.984059012 | 0 | 8 |
| GO:0034499 | 1 | 0.989977227 | 0 | 5 |
| GO:0034501 | 1 | 0.976097315 | 0 | 12 |
| GO:0034502 | 1 | 0.992012146 | 0 | 4 |
| GO:0034504 | 1 | 0.933871695 | 0 | 34 |
| GO:0034505 | 1 | 0.998013437 | 0 | 1 |
| GO:0034506 | 1 | 0.998007827 | 0 | 1 |
| GO:0034508 | 1 | 0.993935514 | 0 | 3 |
| GO:0034511  | 1 | 0.980127487 | 0 | 10 |
| GO:0034512  | 1 | 0.996001487 | 0 | 2  |
| GO:0034513  | 1 | 0.98990497  | 0 | 5  |
| GO:0034514  | 1 | 0.99783728  | 0 | 1  |
| GO:0034515  | 1 | 0.995995445 | 0 | 2  |
| GO:0034516  | 1 | 0.997969613 | 0 | 1  |
| GO:0034518  | 1 | 0.993995783 | 0 | 3  |
| GO:0034545  | 1 | 0.997973115 | 0 | 1  |
| GO:0034551  | 1 | 0.981996672 | 0 | 9  |
| GO:0034553  | 1 | 0.991932205 | 0 | 4  |
| GO:0034584  | 1 | 0.994015744 | 0 | 3  |
| GO:0034587  | 1 | 0.970297809 | 0 | 15 |
| GO:0034589  | 1 | 0.998005657 | 0 | 1  |
| GO:0034590  | 1 | 0.998005657 | 0 | 1  |
| GO:0034592  | 1 | 0.997973115 | 0 | 1  |
| GO:0034593  | 1 | 0.995995445 | 0 | 2  |
| GO:0034594  | 1 | 0.997969613 | 0 | 1  |
| GO:0034595  | 1 | 0.992044473 | 0 | 4  |
| GO:0034596  | 1 | 0.997969613 | 0 | 1  |
| GO:0034597  | 1 | 0.992026385 | 0 | 4  |
| GO:0034599  | 1 | 0.815489114 | 0 | 101 |
| GO:0034602  | 1 | 0.9801003   | 0 | 1  |
| GO:0034604  | 1 | 0.990012139 | 0 | 5  |
| GO:0034612  | 1 | 0.937665576 | 0 | 32 |
| GO:0034626  | 1 | 0.868753578 | 0 | 70 |
| GO:0034640  | 1 | 0.984077249 | 0 | 9  |
| GO:0034642  | 1 | 0.997996596 | 0 | 1  |
| GO:0034644  | 1 | 0.895334553 | 0 | 55 |
| GO:0034645  | 1 | 0.996023937 | 0 | 2  |
| GO:0034647  | 1 | 0.992076828 | 0 | 4  |
| GO:0034648  | 1 | 0.992052245 | 0 | 4  |
| Gene ID | GO ID | Count | Value1 | Value2 | Value3 | Value4 | Value5 | Value6 | Value7 | Value8 | Value9 | Value10 | Value11 | Value12 | Value13 | Value14 | Value15 | Value16 | Value17 | Value18 | Value19 | Value20 | Value21 | Value22 | Value23 | Value24 | Value25 | Value26 | Value27 | Value28 | Value29 | Value30 | Value31 | Value32 | Value33 | Value34 | Value35 | Value36 | Value37 | Value38 | Value39 | Value40 | Value41 | Value42 | Value43 | Value44 | Value45 | Value46 | Value47 | Value48 | Value49 |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| GeneId | GO ID     | Value 1     | GO Term Description | Value 2     | GO Term Description | Value 3     |
|--------|-----------|-------------|---------------------|-------------|---------------------|-------------|
| 8050   | GO:0034719| 1           |                     | 0.966127081|                     | 0           | 17         |
| 8051   | GO:0034720| 1           |                     | 0.984145498|                     | 0           | 8          |
| 8052   | GO:0034721| 1           |                     | 0.990105648|                     | 0           | 5          |
| 8053   | GO:0034722| 1           |                     | 0.997969714|                     | 0           | 1          |
| 8054   | GO:0034724| 1           |                     | 0.998012067|                     | 0           | 1          |
| 8055   | GO:0034725| 1           |                     | 0.990082389|                     | 0           | 1          |
| 8056   | GO:0034726| 1           |                     | 0.994051875|                     | 0           | 1          |
| 8057   | GO:0034727| 1           |                     | 0.998000348|                     | 0           | 1          |
| 8058   | GO:0034728| 1           |                     | 0.998009617|                     | 0           | 1          |
| 8059   | GO:0034729| 1           |                     | 0.99601776 |                     | 0           | 1          |
| 8060   | GO:0034730| 1           |                     | 0.982105104|                     | 0           | 1          |
| 8061   | GO:0034731| 1           |                     | 0.998013437|                     | 0           | 1          |
| 8062   | GO:0034732| 1           |                     | 0.988067737|                     | 0           | 1          |
| 8063   | GO:0034733| 1           |                     | 0.993940997|                     | 0           | 1          |
| 8064   | GO:0034734| 1           |                     | 0.995965933|                     | 0           | 1          |
| 8065   | GO:0034735| 1           |                     | 0.998000348|                     | 0           | 1          |
| 8066   | GO:0034736| 1           |                     | 0.998013437|                     | 0           | 1          |
| 8067   | GO:0034737| 1           |                     | 0.976309528|                     | 0           | 126        |
| 8068   | GO:0034738| 1           |                     | 0.99197177 |                     | 0           | 1          |
| 8069   | GO:0034739| 1           |                     | 0.992023786|                     | 0           | 1          |
| 8070   | GO:0034740| 1           |                     | 0.995992352|                     | 0           | 1          |
| 8071   | GO:0034741| 1           |                     | 0.996007903|                     | 0           | 1          |
| 8072   | GO:0034742| 1           |                     | 0.995958795|                     | 0           | 1          |
| 8073   | GO:0034743| 1           |                     | 0.988022606|                     | 0           | 1          |
| 8074   | GO:0034744| 1           |                     | 0.805100336|                     | 0           | 1          |
| 8075   | GO:0034745| 1           |                     | 0.988107139|                     | 0           | 1          |
| 8076   | GO:0034746| 1           |                     | 0.993958795|                     | 0           | 1          |
| 8077   | GO:0034747| 1           |                     | 0.997982444|                     | 0           | 1          |
| 8078   | GO:0034748| 1           |                     | 0.991964721|                     | 0           | 1          |
| 8079   | GO:0034749| 1           |                     | 0.99799932 |                     | 0           | 1          |
| 8080   | GO:0034750| 1           |                     | 0.998013437|                     | 0           | 1          |
| 8081   | GO:0034751| 1           |                     | 0.956781733|                     | 0           | 1          |
| 8082   | GO:0034752| 1           |                     | 0.991960512|                     | 0           | 1          |
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| 8085   | GO:0034755| 1           |                     | 0.997982002|                     | 0           | 1          |
| 8086   | GO:0034756| 1           |                     | 0.980150962|                     | 0           | 1          |
| 8087   | GO:0034757| 1           |                     | 0.984097564|                     | 0           | 1          |
| 8088   | GO:0034758| 1           |                     | 0.996008570|                     | 0           | 1          |
| 8089   | GO:0034759| 1           |                     | 0.997983446|                     | 0           | 1          |
| 8090   | GO:0034760| 1           |                     | 0.994051875|                     | 0           | 1          |
| 8091   | GO:0034761| 1           |                     | 0.996008570|                     | 0           | 1          |
| 8092   | GO:0034762| 1           |                     | 0.991945193|                     | 0           | 1          |
| 8093   | GO:0034763| 1           |                     | 0.996003159|                     | 0           | 1          |
| 8094   | GO:0034764| 1           |                     | 0.995992276|                     | 0           | 1          |
| GO:0034991 | 0.990055323 | 5 |
| GO:0034993 | 0.980136173 | 10 |
| GO:0034998 | 0.995980988 | 2 |
| GO:0035000 | 0.97991532 | 1 |
| GO:0035004 | 0.986132025 | 7 |
| GO:0035005 | 0.986149583 | 7 |
| GO:0035008 | 0.995980988 | 2 |
| GO:0035009 | 0.997991532 | 1 |
| GO:0035014 | 0.986149583 | 7 |
| GO:0035019 | 0.917369313 | 43 |
| GO:0035020 | 0.974263611 | 13 |
| GO:0035021 | 0.993996637 | 3 |
| GO:0035022 | 0.986072456 | 7 |
| GO:0035023 | 0.947384899 | 27 |
| GO:0035024 | 0.956899779 | 22 |
| GO:0035025 | 0.945268754 | 28 |
| GO:0035026 | 0.998011678 | 1 |
| GO:0035027 | 0.98996463 | 5 |
| GO:0035028 | 0.995960377 | 2 |
| GO:0035029 | 0.995981053 | 2 |
| GO:0035030 | 0.975959961 | 12 |
| GO:0035031 | 0.998011282 | 1 |
| GO:0035032 | 0.995960377 | 2 |
| GO:0035033 | 0.995981053 | 2 |
| GO:0035034 | 0.997983713 | 1 |
| GO:0035035 | 0.978148 | 11 |
| GO:0035036 | 0.997996626 | 1 |
| GO:0035037 | 0.995981053 | 2 |
| GO:0035038 | 0.99007879 | 5 |
| GO:0035039 | 0.991991162 | 4 |
| GO:0035040 | 0.877501505 | 65 |
| GO:0035041 | 0.840379755 | 8 |
| GO:0035042 | 0.962510724 | 19 |
| GO:0035043 | 0.982046567 | 9 |
| GO:0035044 | 0.95667676 | 22 |
| GO:0035045 | 0.95197095 | 4 |
| GO:0035046 | 0.991966135 | 4 |
| GO:0035047 | 0.99003513 | 5 |
| GO:0035048 | 0.824648077 | 96 |
| GO:0035049 | 0.93992835 | 3 |
| GO:0035050 | 0.990042613 | 5 |
| GO:0035051 | 0.951024488 | 25 |
| GO:0035052 | 0.986071569 | 7 |
| GO:0035053 | 0.951175274 | 25 |
| GO:0035054 | 0.970417826 | 15 |
| GO:0035055 | 0.992008458 | 4 |
| GO:0035056 | 0.970322672 | 15 |
| GO:0035106 | 1 | 0.995977128 | 0 | 2 |
| GO:0035108 | 1 | 0.956899611 | 0 | 22 |
| GO:0035112 | 1 | 0.99800067 | 0 | 1 |
| GO:0035115 | 1 | 0.956786468 | 0 | 22 |
| GO:0035116 | 1 | 0.954811458 | 0 | 23 |
| GO:0035128 | 1 | 0.998013437 | 0 | 1 |
| GO:0035136 | 1 | 0.986115912 | 0 | 7 |
| GO:0035137 | 1 | 0.98607888 | 0 | 7 |
| GO:0035145 | 1 | 0.960590138 | 0 | 20 |
| GO:0035148 | 1 | 0.982154617 | 0 | 9 |
| GO:0035150 | 1 | 0.997969178 | 0 | 1 |
| GO:0035162 | 1 | 0.997973646 | 0 | 1 |
| GO:0035166 | 1 | 0.921282607 | 0 | 41 |
| GO:0035173 | 1 | 0.99200849 | 0 | 4 |
| GO:0035174 | 1 | 0.99793646 | 0 | 1 |
| GO:0035175 | 1 | 0.99790564 | 0 | 1 |
| GO:0035176 | 1 | 0.968456133 | 0 | 16 |
| GO:0035189 | 1 | 0.996006016 | 0 | 2 |
| GO:0035194 | 1 | 0.9820007 | 0 | 10 |
| GO:0035195 | 1 | 0.952475792 | 0 | 24 |
| GO:0035196 | 1 | 0.970361593 | 0 | 15 |
| GO:0035197 | 1 | 0.980191727 | 0 | 10 |
| GO:0035198 | 1 | 0.99649637 | 0 | 31 |
| GO:0035212 | 1 | 0.997990564 | 0 | 1 |
| GO:0035226 | 1 | 0.997995536 | 0 | 1 |
| GO:0035234 | 1 | 0.997995536 | 0 | 1 |
| GO:0035235 | 1 | 0.968561806 | 0 | 16 |
| GO:0035238 | 1 | 0.997990564 | 0 | 1 |
| GO:0035239 | 1 | 0.98807371 | 0 | 6 |
| GO:0035240 | 1 | 0.991938283 | 0 | 4 |
| GO:0035241 | 1 | 0.989956779 | 0 | 5 |
| GO:0035242 | 1 | 0.989956858 | 0 | 5 |
| GO:0035243 | 1 | 0.991975634 | 0 | 4 |
| GO:0035244 | 1 | 0.982012597 | 0 | 9 |
| GO:0035247 | 1 | 0.993956104 | 0 | 3 |
| GO:0035248 | 1 | 0.997992353 | 0 | 1 |
| GO:0035249 | 1 | 0.95686084 | 0 | 22 |
| GO:0035250 | 1 | 0.996004259 | 0 | 2 |
| GO:0035251 | 1 | 0.993983524 | 0 | 3 |
| GO:0035252 | 1 | 0.988005374 | 0 | 6 |
| GO:0035253 | 1 | 0.97626049 | 0 | 12 |
| GO:0035254 | 1 | 0.984117357 | 0 | 8 |
| GO:0035255 | 1 | 0.956869114 | 0 | 22 |
| GO:0035256 | 1 | 0.993969328 | 0 | 3 |
| GO        | Count | Probability | p-value | Fold Change |
|-----------|-------|-------------|---------|-------------|
| GO:0035259 | 1     | 0.972408665 | 0       | 14          |
| GO:0035261 | 1     | 0.996030731 | 0       | 2           |
| GO:0035262 | 1     | 0.997983426 | 0       | 1           |
| GO:0035264 | 1     | 0.86735457  | 0       | 71          |
| GO:0035265 | 1     | 0.978202362 | 0       | 11          |
| GO:0035267 | 1     | 0.962385524 | 0       | 19          |
| GO:0035268 | 1     | 0.993934711 | 0       | 3           |
| GO:0035269 | 1     | 0.997991625 | 0       | 1           |
| GO:0035270 | 1     | 0.997972169 | 0       | 1           |
| GO:0035272 | 1     | 0.99398537  | 0       | 3           |
| GO:0035273 | 1     | 0.964224751 | 0       | 18          |
| GO:0035274 | 1     | 0.99395838  | 0       | 3           |
| GO:0035275 | 1     | 0.986040373 | 0       | 7           |
| GO:0035276 | 1     | 0.995978993 | 0       | 2           |
| GO:0035277 | 1     | 0.99399622  | 0       | 3           |
| GO:0035279 | 1     | 0.99595784  | 0       | 2           |
| GO:0035280 | 1     | 0.99405111  | 0       | 3           |
| GO:0035281 | 1     | 0.98401682  | 0       | 1           |
| GO:0035282 | 1     | 0.990026223 | 0       | 5           |
| GO:0035283 | 1     | 0.99600476  | 0       | 2           |
| GO:0035284 | 1     | 0.995989465 | 0       | 2           |
| GO:0035285 | 1     | 0.99800808  | 0       | 1           |
| GO:0035286 | 1     | 0.951005071 | 0       | 25          |
| GO:0035287 | 1     | 0.984073284 | 0       | 8           |
| GO:0035288 | 1     | 0.99204272  | 0       | 4           |
| GO:0035289 | 1     | 0.9821124   | 0       | 9           |
| GO:0035290 | 1     | 0.988031105 | 0       | 6           |
| GO:0035291 | 1     | 0.988028581 | 0       | 6           |
| GO:0035292 | 1     | 0.95480533  | 0       | 23          |
| GO:0035293 | 1     | 0.94551332  | 0       | 28          |
| GO:0035294 | 1     | 0.992033113 | 0       | 4           |
| GO:0035295 | 1     | 0.97436377  | 0       | 13          |
| GO:0035296 | 1     | 0.992001574 | 0       | 4           |
| GO:0035297 | 1     | 0.98602122  | 0       | 7           |
| GO:0035298 | 1     | 0.817902488 | 0       | 100         |
| GO:0035299 | 1     | 0.986052571 | 0       | 7           |
| GO:0035300 | 1     | 0.96639204  | 0       | 17          |
| GO:0035301 | 1     | 0.991928358 | 0       | 4           |
| GO:0035302 | 1     | 0.99798625  | 0       | 1           |
| GO:0035303 | 1     | 0.997986954 | 0       | 1           |
| GO:0035304 | 1     | 0.995983296 | 0       | 2           |
| GO:0035305 | 1     | 0.997982916 | 0       | 1           |
| GO:0035306 | 1     | 0.996004829 | 0       | 2           |
| GO:0035307 | 1     | 0.997982916 | 0       | 1           |
| ID   | Term ID  | Score | Pval | Diff | Count |
|------|----------|-------|------|------|-------|
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| 8283 | GO:0035485 | 0.997975964 | 0 | 1 |
| 8284 | GO:0035491 | 0.997996836 | 0 | 1 |
| 8285 | GO:0035493 | 0.976082735 | 0 | 12 |
| 8286 | GO:0035494 | 0.993985307 | 0 | 3 |
| 8287 | GO:0035497 | 0.970361858 | 0 | 15 |
| 8288 | GO:0035498 | 0.997990564 | 0 | 1 |
| 8289 | GO:0035499 | 0.99800715 | 0 | 1 |
| 8290 | GO:0035500 | 0.996000712 | 0 | 2 |
| 8291 | GO:0035501 | 0.997991726 | 0 | 1 |
| 8292 | GO:0035502 | 0.991995743 | 0 | 4 |
| 8293 | GO:0035505 | 0.995973341 | 0 | 2 |
| 8294 | GO:0035507 | 0.996030719 | 0 | 2 |
| 8295 | GO:0035508 | 0.998013425 | 0 | 1 |
| 8296 | GO:0035509 | 0.990052293 | 0 | 5 |
| 8297 | GO:0035511 | 0.993948757 | 0 | 3 |
| 8298 | GO:0035513 | 0.995995199 | 0 | 2 |
| 8299 | GO:0035515 | 0.99205379 | 0 | 4 |
| 8300 | GO:0035516 | 0.99398927 | 0 | 3 |
| 8301 | GO:0035517 | 0.992061097 | 0 | 4 |
| 8302 | GO:0035518 | 0.976206115 | 0 | 12 |
| 8303 | GO:0035519 | 0.989934319 | 0 | 5 |
| 8304 | GO:0035520 | 0.988114723 | 0 | 6 |
| 8305 | GO:0035522 | 0.992016857 | 0 | 4 |
| 8306 | GO:0035523 | 0.990062493 | 0 | 5 |
| 8307 | GO:0035524 | 0.990060168 | 0 | 5 |
| 8308 | GO:0035525 | 0.997987849 | 0 | 1 |
| 8309 | GO:0035526 | 0.996026547 | 0 | 2 |
| 8310 | GO:0035529 | 0.98198101 | 0 | 9 |
| 8311 | GO:0035538 | 0.997998269 | 0 | 1 |
| 8312 | GO:0035539 | 0.995937479 | 0 | 2 |
| 8313 | GO:0035542 | 0.990018712 | 0 | 5 |
| 8314 | GO:0035543 | 0.995991431 | 0 | 2 |
| 8315 | GO:0035544 | 0.994022197 | 0 | 3 |
| 8316 | GO:0035545 | 0.998013437 | 0 | 1 |
| 8317 | GO:0035552 | 0.993980986 | 0 | 3 |
| 8318 | GO:0035553 | 0.993993696 | 0 | 3 |
| 8319 | GO:0035556 | 0.417197764 | 0 | 432 |
| 8320 | GO:0035562 | 0.986102455 | 0 | 7 |
| 8321 | GO:0035563 | 0.972271942 | 0 | 14 |
| 8322 | GO:0035564 | 0.996025389 | 0 | 2 |
| 8323 | GO:0035565 | 0.997991284 | 0 | 1 |
| 8324 | GO:0035567 | 0.976259985 | 0 | 12 |
| 8325 | GO:0035568 | 0.997990564 | 0 | 1 |
| 8326 | GO:0035570 | 0.997990564 | 0 | 1 |
| GO         | Count | Score   | FDR   | Rank |
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| GO:0035573 | 1     | 0.997990564 | 0     | 1    |
| GO:0035574 | 1     | 0.996007903  | 0     | 2    |
| GO:0035575 | 1     | 0.996007903  | 0     | 2    |
| GO:0035577 | 1     | 0.89152985   | 0     | 57   |
| GO:0035578 | 1     | 0.859532654  | 0     | 75   |
| GO:0035579 | 1     | 0.849579342  | 0     | 2    |
| GO:0035580 | 1     | 0.993978475  | 0     | 3    |
| GO:0035581 | 1     | 0.992053866  | 0     | 4    |
| GO:0035582 | 1     | 0.958542715  | 0     | 21   |
| GO:0035583 | 1     | 0.954655065  | 0     | 23   |
| GO:0035584 | 1     | 0.947246118  | 0     | 27   |
| GO:0035585 | 1     | 0.9799971    | 0     | 1    |
| GO:0035586 | 1     | 0.995981555  | 0     | 2    |
| GO:0035587 | 1     | 0.997979018  | 0     | 1    |
| GO:0035588 | 1     | 0.99798584   | 0     | 1    |
| GO:0035589 | 1     | 0.998008455  | 0     | 1    |
| GO:0035590 | 1     | 0.998008455  | 0     | 1    |
| GO:0035591 | 1     | 0.998008455  | 0     | 1    |
| GO:0035592 | 1     | 0.997966382  | 0     | 1    |
| GO:0035593 | 1     | 0.995922108  | 0     | 2    |
| GO:0035594 | 1     | 0.99401227   | 0     | 3    |
| GO:0035595 | 1     | 0.99799971   | 0     | 1    |
| GO:0035596 | 1     | 0.995981555  | 0     | 2    |
| GO:0035597 | 1     | 0.997979018  | 0     | 1    |
| GO:0035598 | 1     | 0.99798584   | 0     | 1    |
| GO:0035599 | 1     | 0.998008455  | 0     | 1    |
| GO:0035600 | 1     | 0.998008455  | 0     | 1    |
| GO:0035601 | 1     | 0.997966382  | 0     | 1    |
| GO:0035602 | 1     | 0.995922108  | 0     | 2    |
| GO:0035603 | 1     | 0.99400887   | 0     | 3    |
| GO:0035604 | 1     | 0.992018683  | 0     | 4    |
| GO:0035605 | 1     | 0.990048544  | 0     | 5    |
| GO:0035606 | 1     | 0.997991958  | 0     | 1    |
| GO:0035607 | 1     | 0.982141779  | 0     | 9    |
| GO:0035608 | 1     | 0.972337277  | 0     | 14   |
| GO:0035609 | 1     | 0.968411317  | 0     | 16   |
| GO:0035610 | 1     | 0.992036132  | 0     | 4    |
| GO:0035611 | 1     | 0.990009107  | 0     | 5    |
| GO:0035612 | 1     | 0.993979647  | 0     | 3    |
| GO:0035613 | 1     | 0.996024111  | 0     | 2    |
| GO:0035614 | 1     | 0.997998011  | 0     | 1    |
| GO:0035615 | 1     | 0.982032406  | 0     | 9    |
| GO:0035616 | 1     | 0.988048941  | 0     | 6    |
| GO:0035617 | 1     | 0.978134039  | 0     | 11   |
| GO:0035618 | 1     | 0.995948329  | 0     | 2    |
| GO:0035619 | 1     | 0.939628165  | 0     | 31   |
| Gene ID | GO:0035634 | 1 | 0.995947244 | 0 | 2 |
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| Gene ID | GO:0035635 | 1 | 0.98417766  | 0 | 8 |
| Gene ID | GO:0035639 | 1 | 0.997960537 | 0 | 1 |
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| Gene ID | GO:0035641 | 1 | 0.978219475 | 0 | 11 |
| Gene ID | GO:0035642 | 1 | 0.978219475 | 0 | 11 |
| Gene ID | GO:0035643 | 1 | 0.997994036 | 0 | 1 |
| Gene ID | GO:0035644 | 1 | 0.997994489 | 0 | 1 |
| Gene ID | GO:0035645 | 1 | 0.998009898 | 0 | 1 |
| Gene ID | GO:0035646 | 1 | 0.980060944 | 0 | 10 |
| Gene ID | GO:0035647 | 1 | 0.989964539 | 0 | 5 |
| Gene ID | GO:0035648 | 1 | 0.99395348  | 0 | 3 |
| Gene ID | GO:0035649 | 1 | 0.987965266 | 0 | 6 |
| Gene ID | GO:0035650 | 1 | 0.998014255 | 0 | 1 |
| Gene ID | GO:0035651 | 1 | 0.989988522 | 0 | 5 |
| Gene ID | GO:0035652 | 1 | 0.99185119  | 0 | 4 |
| Gene ID | GO:0035653 | 1 | 0.9939922   | 0 | 3 |
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| Gene ID | GO:0035656 | 1 | 0.998004409 | 0 | 1 |
| Gene ID | GO:0035657 | 1 | 0.99601384  | 0 | 2 |
| Gene ID | GO:0035658 | 1 | 0.997997664 | 0 | 1 |
| Gene ID | GO:0035659 | 1 | 0.997988914 | 0 | 1 |
| Gene ID | GO:0035660 | 1 | 0.996029416 | 0 | 2 |
| Gene ID | GO:0035661 | 1 | 0.997955114 | 0 | 1 |
| Gene ID | GO:0035662 | 1 | 0.996000827 | 0 | 2 |
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| Gene ID | GO:0035666 | 1 | 0.995983175 | 0 | 2 |
| Gene ID | GO:0035667 | 1 | 0.997966363 | 0 | 1 |
| Gene ID | GO:0035668 | 1 | 0.988028185 | 0 | 6 |
| Gene ID | GO:0035669 | 1 | 0.968010047 | 0 | 1 |
| Gene ID | GO:0035670 | 1 | 0.99200282  | 0 | 4 |
| Gene ID | GO:0035671 | 1 | 0.994021601 | 0 | 3 |
| Gene ID | GO:0035672 | 1 | 0.996020901 | 0 | 2 |
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| Gene ID | GO:0035674 | 1 | 0.995992485 | 0 | 2 |
| Gene ID | GO:0035675 | 1 | 0.998001552 | 0 | 1 |
| Gene ID | GO:0035676 | 1 | 0.998001552 | 0 | 1 |
| Gene ID | GO:0035677 | 1 | 0.995940057 | 0 | 2 |
| Gene ID | GO:0035678 | 1 | 0.993955434 | 0 | 3 |
| Gene ID | GO:0035679 | 1 | 0.976267118 | 0 | 12 |
| Gene ID | GO:0035680 | 1 | 0.913083405 | 0 | 45 |
| Gene ID | GO:0035681 | 1 | 0.974298202 | 0 | 13 |
| GO ID  | Description     | Count | Value       | FDR   | P value |
|--------|-----------------|-------|-------------|-------|---------|
| GO:0035725 |                 | 86    | 0.84176339  | 0     |         |
| GO:0035726 |                 | 6     | 0.988024415 | 0     |         |
| GO:0035727 |                 | 6     | 0.98806355  | 0     |         |
| GO:0035728 |                 | 2     | 0.996000953 | 0     |         |
| GO:0035729 |                 | 16    | 0.968368939 | 0     |         |
| GO:0035730 |                 | 1     | 0.997959464 | 0     |         |
| GO:0035731 |                 | 1     | 0.997959464 | 0     |         |
| GO:0035732 |                 | 1     | 0.997959464 | 0     |         |
| GO:0035733 |                 | 2     | 0.996012865 | 0     |         |
| GO:0035734 |                 | 40    | 0.922720732 | 0     |         |
| GO:0035747 |                 | 2     | 0.996030578 | 0     |         |
| GO:0035748 |                 | 6     | 0.988076242 | 0     |         |
| GO:0035749 |                 | 1     | 0.990019338 | 0     |         |
| GO:0035750 |                 | 1     | 0.99801334  | 0     |         |
| GO:0035751 |                 | 4     | 0.991978289 | 0     |         |
| GO:0035752 |                 | 1     | 0.997977002 | 0     |         |
| GO:0035754 |                 | 6     | 0.987957943 | 0     |         |
| GO:0035755 |                 | 1     | 0.997987748 | 0     |         |
| GO:0035757 |                 | 1     | 0.997981373 | 0     |         |
| GO:0035758 |                 | 1     | 0.997981373 | 0     |         |
| GO:0035759 |                 | 1     | 0.997989991 | 0     |         |
| GO:0035767 |                 | 9     | 0.982071717 | 0     |         |
| GO:0035768 |                 | 1     | 0.997964216 | 0     |         |
| GO:0035770 |                 | 13    | 0.974240654 | 0     |         |
| GO:0035771 |                 | 4     | 0.991999856 | 0     |         |
| GO:0035772 |                 | 1     | 0.997974522 | 0     |         |
| GO:0035773 |                 | 1     | 0.982122575 | 0     |         |
| GO:0035774 |                 | 32    | 0.937594331 | 0     |         |
| GO:0035780 |                 | 1     | 0.997991269 | 0     |         |
| GO:0035781 |                 | 1     | 0.995967857 | 0     |         |
| GO:0035783 |                 | 1     | 0.997969861 | 0     |         |
| GO:0035787 |                 | 1     | 0.988013328 | 0     |         |
| GO:0035789 |                 | 1     | 0.988013436 | 0     |         |
| GO:0035790 |                 | 1     | 0.998013437 | 0     |         |
| GO:0035791 |                 | 6     | 0.98807432  | 0     |         |
| GO:0035793 |                 | 3     | 0.994008519 | 0     |         |
| GO:0035794 |                 | 4     | 0.991990636 | 0     |         |
| GO:0035795 |                 | 4     | 0.991954524 | 0     |         |
| GO:0035798 |                 | 1     | 0.997965198 | 0     |         |
| GO:0035799 |                 | 3     | 0.994018275 | 0     |         |
| GO:0035800 |                 | 2     | 0.995977851 | 0     |         |
| GO:0035801 |                 | 1     | 0.998008832 | 0     |         |
| GO:0035802 |                 | 1     | 0.997975026 | 0     |         |
| GO:0035803 |                 | 2     | 0.995940565 | 0     |         |
| GO:0035804 |                 | 2     | 0.995940565 | 0     |         |
| Gene ID | GO Term | Support Value | p-value | Adjusted p-value |
|---------|---------|---------------|---------|-----------------|
| 8464    | GO:0035805 | 0.995954471 | 0.0001  | 0.0001          |
| 8465    | GO:0035809 | 0.995940994 | 0.0001  | 0.0001          |
| 8466    | GO:0035810 | 0.976152556 | 0.0001  | 0.0001          |
| 8467    | GO:0035811 | 0.992035127 | 0.0001  | 0.0001          |
| 8468    | GO:0035812 | 0.99595081  | 0.0001  | 0.0001          |
| 8469    | GO:0035813 | 0.9600456   | 0.0001  | 0.0001          |
| 8470    | GO:0035814 | 0.991961328 | 0.0001  | 0.0001          |
| 8471    | GO:0035815 | 0.984035515 | 0.0001  | 0.0001          |
| 8472    | GO:0035816 | 0.99507884  | 0.0001  | 0.0001          |
| 8473    | GO:0035817 | 0.998989557 | 0.0001  | 0.0001          |
| 8474    | GO:0035818 | 0.9990198   | 0.0001  | 0.0001          |
| 8475    | GO:0035819 | 0.99801884  | 0.0001  | 0.0001          |
| 8476    | GO:0035820 | 0.998013437 | 0.0001  | 0.0001          |
| 8477    | GO:0035821 | 0.998013416 | 0.0001  | 0.0001          |
| 8478    | GO:0035822 | 0.97429291  | 0.0001  | 0.0001          |
| 8479    | GO:0035823 | 0.994021436 | 0.0001  | 0.0001          |
| 8480    | GO:0035824 | 0.997983203 | 0.0001  | 0.0001          |
| 8481    | GO:0035825 | 0.997983203 | 0.0001  | 0.0001          |
| 8482    | GO:0035826 | 0.995978139 | 0.0001  | 0.0001          |
| 8483    | GO:0035827 | 0.997983203 | 0.0001  | 0.0001          |
| 8484    | GO:0035828 | 0.9980111   | 0.0001  | 0.0001          |
| 8485    | GO:0035829 | 0.968531203 | 0.0001  | 0.0001          |
| 8486    | GO:0035830 | 0.997989673 | 0.0001  | 0.0001          |
| 8487    | GO:0035831 | 0.98801342  | 0.0001  | 0.0001          |
| 8488    | GO:0035832 | 0.870348845 | 0.0001  | 0.0001          |
| 8489    | GO:0035833 | 0.998013437 | 0.0001  | 0.0001          |
| 8490    | GO:0035834 | 0.990007571 | 0.0001  | 0.0001          |
| 8491    | GO:0035835 | 0.98410075  | 0.0001  | 0.0001          |
| 8492    | GO:0035836 | 0.99405111  | 0.0001  | 0.0001          |
| 8493    | GO:0035837 | 0.992076097 | 0.0001  | 0.0001          |
| 8494    | GO:0035838 | 0.994038364 | 0.0001  | 0.0001          |
| 8495    | GO:0035839 | 0.933828642 | 0.0001  | 0.0001          |
| 8496    | GO:0035840 | 0.995979654 | 0.0001  | 0.0001          |
| 8497    | GO:0035841 | 0.980231456 | 0.0001  | 0.0001          |
| 8498    | GO:0035842 | 0.997979323 | 0.0001  | 0.0001          |
| 8499    | GO:0035843 | 0.988037983 | 0.0001  | 0.0001          |
| 8500    | GO:0035844 | 0.997990564 | 0.0001  | 0.0001          |
| 8501    | GO:0035845 | 0.991971572 | 0.0001  | 0.0001          |
| 8502    | GO:0035846 | 0.990029155 | 0.0001  | 0.0001          |
| 8503    | GO:0035847 | 0.994009787 | 0.0001  | 0.0001          |
| 8504    | GO:0035848 | 0.998005083 | 0.0001  | 0.0001          |
| 8505    | GO:0035849 | 0.996006687 | 0.0001  | 0.0001          |
| 8506    | GO:0035850 | 0.997990564 | 0.0001  | 0.0001          |
| 8507    | GO:0035851 | 0.997993188 | 0.0001  | 0.0001          |
| 8508    | GO:0035852 | 0.995992233 | 0.0001  | 0.0001          |
| GO:0036009 | 0.998012455 | 0 | 1 |
| GO:0036010 | 0.980168933 | 0 | 10 |
| GO:0036016 | 0.997948513 | 0 | 1 |
| GO:0036019 | 0.991982687 | 0 | 4 |
| GO:0036020 | 0.970375629 | 0 | 15 |
| GO:0036031 | 0.995985075 | 0 | 2 |
| GO:0036033 | 0.992072209 | 0 | 4 |
| GO:0036042 | 0.987910585 | 0 | 6 |
| GO:0036047 | 0.987910585 | 0 | 6 |
| GO:0036049 | 0.995974424 | 0 | 2 |
| GO:0036060 | 0.998007851 | 0 | 1 |
| GO:0036065 | 0.727187171 | 0 | 158 |
| GO:0036066 | 0.978175186 | 0 | 11 |
| GO:0036071 | 0.990005771 | 0 | 5 |
| GO:0036085 | 0.997997568 | 0 | 1 |
| GO:0036089 | 0.986056311 | 0 | 7 |
| GO:0036090 | 0.997979529 | 0 | 1 |
| GO:0036091 | 0.989970409 | 0 | 5 |
| GO:0036092 | 0.9744094 | 0 | 13 |
| GO:0036094 | 0.983895689 | 0 | 8 |
| GO:0036101 | 0.989977197 | 0 | 5 |
| GO:0036102 | 0.997965198 | 0 | 1 |
| GO:0036105 | 0.998003224 | 0 | 1 |
| GO:0036109 | 0.976116693 | 0 | 12 |
| GO:0036111 | 0.997959385 | 0 | 1 |
| Gene ID | GO ID | Description | Value 1 | Value 2 | Value 3 |
|---------|-------|-------------|---------|---------|---------|
| 8599    | GO:0036116 |             | 1       | 0.997970421 | 0       | 1       |
| 8600    | GO:0036117 |             | 1       | 0.995971877 | 0       | 2       |
| 8601    | GO:0036119 |             | 1       | 0.997993836 | 0       | 1       |
| 8602    | GO:0036120 |             | 1       | 0.962614954 | 0       | 19      |
| 8603    | GO:0036121 |             | 1       | 0.994006547 | 0       | 3       |
| 8604    | GO:0036122 |             | 1       | 0.978145401 | 0       | 11      |
| 8605    | GO:0036123 |             | 1       | 0.994009726 | 0       | 3       |
| 8606    | GO:0036124 |             | 1       | 0.992035908 | 0       | 4       |
| 8607    | GO:0036126 |             | 1       | 0.893264953 | 0       | 56      |
| 8608    | GO:0036128 |             | 1       | 0.984025203 | 0       | 8       |
| 8609    | GO:0036130 |             | 1       | 0.95936801 | 0       | 2       |
| 8610    | GO:0036131 |             | 1       | 0.997964698 | 0       | 1       |
| 8611    | GO:0036132 |             | 1       | 0.993977933 | 0       | 3       |
| 8612    | GO:0036134 |             | 1       | 0.993952432 | 0       | 3       |
| 8613    | GO:0036137 |             | 1       | 0.997990564 | 0       | 1       |
| 8614    | GO:0036138 |             | 1       | 0.998013437 | 0       | 1       |
| 8615    | GO:0036139 |             | 1       | 0.998013437 | 0       | 1       |
| 8616    | GO:0036140 |             | 1       | 0.998013437 | 0       | 1       |
| 8617    | GO:0036143 |             | 1       | 0.9795726 | 0       | 1       |
| 8618    | GO:0036145 |             | 1       | 0.97974887 | 0       | 1       |
| 8619    | GO:0036146 |             | 1       | 0.979990564 | 0       | 1       |
| 8620    | GO:0036148 |             | 1       | 0.97030747 | 0       | 15      |
| 8621    | GO:0036149 |             | 1       | 0.970273791 | 0       | 15      |
| 8622    | GO:0036150 |             | 1       | 0.96250947 | 0       | 19      |
| 8623    | GO:0036151 |             | 1       | 0.947059734 | 0       | 27      |
| 8624    | GO:0036152 |             | 1       | 0.954747168 | 0       | 23      |
| 8625    | GO:0036153 |             | 1       | 0.997991424 | 0       | 1       |
| 8626    | GO:0036155 |             | 1       | 0.990011557 | 0       | 5       |
| 8627    | GO:0036156 |             | 1       | 0.992054121 | 0       | 4       |
| 8628    | GO:0036157 |             | 1       | 0.980158967 | 0       | 10      |
| 8629    | GO:0036158 |             | 1       | 0.966390947 | 0       | 17      |
| 8630    | GO:0036159 |             | 1       | 0.968318625 | 0       | 16      |
| 8631    | GO:0036164 |             | 1       | 0.997962231 | 0       | 1       |
| 8632    | GO:0036166 |             | 1       | 0.99800641 | 0       | 1       |
| 8633    | GO:0036185 |             | 1       | 0.997965198 | 0       | 1       |
| 8634    | GO:0036186 |             | 1       | 0.996009507 | 0       | 2       |
| 8635    | GO:0036195 |             | 1       | 0.995944467 | 0       | 2       |
| 8636    | GO:0036211 |             | 1       | 0.998007582 | 0       | 1       |
| 8637    | GO:0036218 |             | 1       | 0.989971468 | 0       | 5       |
| 8638    | GO:0036221 |             | 1       | 0.99798012 | 0       | 1       |
| 8639    | GO:0036228 |             | 1       | 0.99598396 | 0       | 2       |
| 8640    | GO:0036245 |             | 1       | 0.995985942 | 0       | 2       |
| 8641    | GO:0036250 |             | 1       | 0.997977399 | 0       | 1       |
| 8642    | GO:0036255 |             | 1       | 0.998005759 | 0       | 1       |
| 8643    | GO:0036257 |             | 1       | 0.997991323 | 0       | 1       |
| GO ID | Description | Count | Score | Support | References |
|-------|-------------|-------|-------|---------|------------|
| GO:0036258 | 1 | 0.941264893 | 0 | 30 |
| GO:0036261 | 1 | 0.998004245 | 0 | 1 |
| GO:0036265 | 1 | 0.995944175 | 0 | 2 |
| GO:0036266 | 1 | 0.998013437 | 0 | 1 |
| GO:0036269 | 1 | 0.998013437 | 0 | 1 |
| GO:0036284 | 1 | 0.997969916 | 0 | 1 |
| GO:0036289 | 1 | 0.982157737 | 0 | 9 |
| GO:0036292 | 1 | 0.998004379 | 0 | 1 |
| GO:0036293 | 1 | 0.998004621 | 0 | 1 |
| GO:0036294 | 1 | 0.992023083 | 0 | 4 |
| GO:0036295 | 1 | 0.985974524 | 0 | 7 |
| GO:0036297 | 1 | 0.897109065 | 0 | 54 |
| GO:0036298 | 1 | 0.995994401 | 0 | 2 |
| GO:0036302 | 1 | 0.982176327 | 0 | 9 |
| GO:0036303 | 1 | 0.994040446 | 0 | 3 |
| GO:0036304 | 1 | 0.995976691 | 0 | 2 |
| GO:0036305 | 1 | 0.998013433 | 0 | 1 |
| GO:0036306 | 1 | 0.996030731 | 0 | 2 |
| GO:0036307 | 1 | 0.986105085 | 0 | 7 |
| GO:0036308 | 1 | 0.982303942 | 0 | 10 |
| GO:0036309 | 1 | 0.993984554 | 0 | 3 |
| GO:0036310 | 1 | 0.994010339 | 0 | 3 |
| GO:0036311 | 1 | 0.995981825 | 0 | 2 |
| GO:0036312 | 1 | 0.997990564 | 0 | 1 |
| GO:0036313 | 1 | 0.997990564 | 0 | 1 |
| GO:0036314 | 1 | 0.998012199 | 0 | 1 |
| GO:0036315 | 1 | 0.992012944 | 0 | 4 |
| GO:0036316 | 1 | 0.998012199 | 0 | 1 |
| GO:0036317 | 1 | 0.997988704 | 0 | 1 |
| GO:0036318 | 1 | 0.99396788 | 0 | 3 |
| GO:0036319 | 1 | 0.988047235 | 0 | 6 |
| GO:0036320 | 1 | 0.997987904 | 0 | 1 |
| GO:0036321 | 1 | 0.997998867 | 0 | 1 |
| GO:0036322 | 1 | 0.97233757 | 0 | 14 |
| GO:0036323 | 1 | 0.995961699 | 0 | 2 |
| GO:0036324 | 1 | 0.998004752 | 0 | 1 |
| GO:0036325 | 1 | 0.997992539 | 0 | 1 |
| GO:0036326 | 1 | 0.997983728 | 0 | 1 |
| GO:0036327 | 1 | 0.997983728 | 0 | 1 |
| GO:0036328 | 1 | 0.984076969 | 0 | 8 |
| GO:0036329 | 1 | 0.99594367 | 0 | 2 |
| GO:0036330 | 1 | 0.998011569 | 0 | 1 |
| GO:0036331 | 1 | 0.997990564 | 0 | 1 |
| GO:0036332 | 1 | 0.996030731 | 0 | 2 |
| GO:0036333 | 1 | 0.995997837 | 0 | 2 |
| GO:0036372 | 1 | 0.997959783 | 0 | 1 |
| GO:0036373 | 1 | 0.997990564 | 0 | 1 |
| GO:0036374 | 1 | 0.985969467 | 0 | 7 |
| GO:0036376 | 1 | 0.97424894 | 0 | 13 |
| GO:0036378 | 1 | 0.9919566 | 0 | 4 |
| GO:0036384 | 1 | 0.995987577 | 0 | 2 |
| GO:0036388 | 1 | 0.878280117 | 0 | 64 |
| GO:0036393 | 1 | 0.997992786 | 0 | 1 |
| GO:0036396 | 1 | 0.984070044 | 0 | 8 |
| GO:0036402 | 1 | 0.995997481 | 0 | 2 |
| GO:0036403 | 1 | 0.995980105 | 0 | 2 |
| GO:0036404 | 1 | 0.984020523 | 0 | 8 |
| GO:0036409 | 1 | 0.9873801278 | 0 | 2 |
| GO:0036414 | 1 | 0.998013437 | 0 | 1 |
| GO:0036418 | 1 | 0.99800821 | 0 | 1 |
| GO:0036424 | 1 | 0.996006177 | 0 | 2 |
| GO:0036425 | 1 | 0.995997481 | 0 | 2 |
| GO:0036427 | 1 | 0.995980105 | 0 | 2 |
| GO:0036429 | 1 | 0.995963187 | 0 | 2 |
| GO:0036438 | 1 | 0.98798971 | 0 | 6 |
| GO:0036440 | 1 | 0.986106978 | 0 | 7 |
| GO:0036443 | 1 | 0.997969548 | 0 | 1 |
| GO:0036447 | 1 | 0.9959822467 | 0 | 4 |
| GO:0036451 | 1 | 0.995981777 | 0 | 79 |
| GO:0036454 | 1 | 0.995973701 | 0 | 1 |
| GO:0036458 | 1 | 0.986012591 | 0 | 7 |
| GO:0036460 | 1 | 0.995984204 | 0 | 2 |
| GO:0036462 | 1 | 0.997978943 | 0 | 1 |
| GO:0036466 | 1 | 0.98798971 | 0 | 1 |
| GO:0036468 | 1 | 0.995950936 | 0 | 2 |
| GO:0036470 | 1 | 0.995936376 | 0 | 2 |
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| GO:0036475 | 1 | 0.997978943 | 0 | 1 |
| GO:0036478 | 1 | 0.98798971 | 0 | 1 |
| GO:0036480 | 1 | 0.9959822467 | 0 | 4 |
| GO:0036482 | 1 | 0.997978943 | 0 | 1 |
| GO:0036486 | 1 | 0.9959822467 | 0 | 4 |
| GO:0036488 | 1 | 0.9959822467 | 0 | 1 |
| GO:0036490 | 1 | 0.9959822467 | 0 | 1 |
| GO:0036492 | 1 | 0.9959822467 | 0 | 19 |
| GO:0036487 | 1 | 0.998013437 | 0 | 1 |
| GO:0036488 | 1 | 0.995938269 | 0 | 2 |
| GO:0036492 | 1 | 0.996029163 | 0 | 2 |
| GO:0036493 | 1 | 0.992010713 | 0 | 4 |
| GO:0036494 | 1 | 0.998013423 | 0 | 1 |
| GO:0036496 | 1 | 0.995958086 | 0 | 2 |
| GO:0036498 | 1 | 0.897149327 | 0 | 54 |
| GO:0036499 | 1 | 0.978073703 | 0 | 11 |
| GO:0036500 | 1 | 0.9820478 | 0 | 9 |
| GO:0036501 | 1 | 0.996005047 | 0 | 2 |
| GO:0036502 | 1 | 0.995990914 | 0 | 2 |
| GO:0036503 | 1 | 0.968386042 | 0 | 16 |
| GO:0036505 | 1 | 0.995983521 | 0 | 2 |
| GO:0036508 | 1 | 0.99597156 | 0 | 2 |
| GO:0036509 | 1 | 0.99597156 | 0 | 2 |
| GO:0036510 | 1 | 0.99597156 | 0 | 2 |
| GO:0036511 | 1 | 0.99597156 | 0 | 2 |
| GO:0036512 | 1 | 0.984088106 | 0 | 8 |
| GO:0036514 | 1 | 0.99800669 | 0 | 1 |
| GO:0036515 | 1 | 0.99800669 | 0 | 1 |
| GO:0036517 | 1 | 0.998013437 | 0 | 1 |
| GO:0036518 | 1 | 0.996010868 | 0 | 2 |
| GO:0036520 | 1 | 0.99800067 | 0 | 1 |
| GO:0036524 | 1 | 0.997958946 | 0 | 1 |
| GO:0036525 | 1 | 0.99796864 | 0 | 1 |
| GO:0036526 | 1 | 0.997958946 | 0 | 1 |
| GO:0036527 | 1 | 0.997958946 | 0 | 1 |
| GO:0036528 | 1 | 0.997958946 | 0 | 1 |
| GO:0036529 | 1 | 0.997958946 | 0 | 1 |
| GO:0036530 | 1 | 0.997958946 | 0 | 1 |
| GO:0036531 | 1 | 0.997958946 | 0 | 1 |
| GO:0038001 | 1 | 0.986040237 | 0 | 7 |
| GO:0038002 | 1 | 0.998013335 | 0 | 1 |
| GO:0038003 | 1 | 0.983964747 | 0 | 8 |
| GO:0038007 | 1 | 0.984121851 | 0 | 8 |
| GO:0038008 | 1 | 0.998003011 | 0 | 1 |
| GO:0038016 | 1 | 0.993986194 | 0 | 3 |
| GO:0038018 | 1 | 0.996028766 | 0 | 2 |
| GO:0038020 | 1 | 0.998013437 | 0 | 1 |
| GO:0038021 | 1 | 0.998009745 | 0 | 1 |
| GO:0038023 | 1 | 0.691628513 | 0 | 183 |
| GO:0038024 | 1 | 0.972424204 | 0 | 14 |
| GO:0038025 | 1 | 0.996016467 | 0 | 2 |
| GO:0038026 | 1 | 0.982209992 | 0 | 9 |
| GO:0038027 | 1 | 0.99006901 | 0 | 5 |
| GO:0038028 | 1 | 0.992025478 | 0 | 4 |
| GO:0038029 | 1 | 0.998012649 | 0 | 1 |
| GO:0038030 | 1 | 0.998006585 | 0 | 1 |
| GO:0038031 | 1 | 0.992053809 | 0 | 4 |
| GO:0038033 | 1 | 0.990015286 | 0 | 5 |
| GO:0038036 | 1 | 0.98601586 | 0 | 7 |
| GO:0038037 | 1 | 0.996027731 | 0 | 2 |
| GO:0038038 | 1 | 0.998013437 | 0 | 1 |
| GO:0038039 | 1 | 0.994044673 | 0 | 3 |
| GO:0038041 | 1 | 0.99794731 | 0 | 1 |
| GO:0038043 | 1 | 0.995994003 | 0 | 2 |
| GO:0038046 | 1 | 0.997976331 | 0 | 1 |
| GO:0038048 | 1 | 0.998012797 | 0 | 1 |
| GO:0038060 | 1 | 0.995994003 | 0 | 2 |
| GO:0038061 | 1 | 0.880148135 | 0 | 63 |
| GO:0038062 | 1 | 0.994001822 | 0 | 3 |
| GO:0038063 | 1 | 0.978308978 | 0 | 11 |
| GO:0038064 | 1 | 0.994006388 | 0 | 3 |
| GO:0038065 | 1 | 0.992031463 | 0 | 4 |
| GO:0038066 | 1 | 0.987992137 | 0 | 6 |
| GO:0038083 | 1 | 0.968497611 | 0 | 16 |
| GO:0038084 | 1 | 0.970392575 | 0 | 15 |
| GO:0038085 | 1 | 0.990036425 | 0 | 5 |
| GO:0038089 | 1 | 0.992064222 | 0 | 4 |
| GO:0038091 | 1 | 0.994040445 | 0 | 3 |
| GO:0038092 | 1 | 0.986066222 | 0 | 7 |
| GO:0038093 | 1 | 0.991989706 | 0 | 4 |
| GO:0038094 | 1 | 0.995924348 | 0 | 2 |
| GO:0038095 | 1 | 0.802459481 | 0 | 109 |
| GO:0038096 | 1 | 0.872275383 | 0 | 68 |
| GO:0038097 | 1 | 0.998013301 | 0 | 1 |
| GO:0038098 | 1 | 0.988035081 | 0 | 6 |
| GO:0038100 | 1 | 0.993993845 | 0 | 3 |
| GO:0038101 | 1 | 0.99797398 | 0 | 1 |
| GO:0038102 | 1 | 0.995980313 | 0 | 2 |
| GO:0038108 | 1 | 0.991990786 | 0 | 4 |
| GO:0038109 | 1 | 0.996010907 | 0 | 2 |
| GO:0038110 | 1 | 0.980222562 | 0 | 10 |
| GO:0038111 | 1 | 0.943369099 | 0 | 29 |
| GO:0038112 | 1 | 0.997990719 | 0 | 1 |
| GO:0038115 | 1 | 0.997981373 | 0 | 1 |
| GO:0038116 | 1 | 0.994017856 | 0 | 3 |
| GO:0038117 | 1 | 0.997981373 | 0 | 1 |
| GO:0038121 | 1 | 0.997981373 | 0 | 1 |
| GO:0038123 | 1 | 0.991978048 | 0 | 4 |
| GO:0038124 | 1 | 0.991988622 | 0 | 4 |
| GO:0038127 | 1 | 0.992017677 | 0 | 4 |
| GO:0038128 | 1 | 0.939708738 | 0 | 31 |
| GO:0038129 | 1 | 0.997984757 | 0 | 1 |
| GO:0038130 | 1 | 0.997984757 | 0 | 1 |
| GO:0038131 | 1 | 0.995979849 | 0 | 2 |
| GO:0038132 | 1 | 0.990090325 | 0 | 5 |
| GO:0038134 | 1 | 0.96014817 | 0 | 2 |
| GO:0038135 | 1 | 0.992005728 | 0 | 4 |
| GO:0038136 | 1 | 0.996013911 | 0 | 2 |
| GO:0038137 | 1 | 0.99797487 | 0 | 1 |
| GO:0038138 | 1 | 0.993991629 | 0 | 3 |
| GO:0038139 | 1 | 0.984055587 | 0 | 8 |
| GO:0038140 | 1 | 0.991974956 | 0 | 4 |
| GO:0038141 | 1 | 0.995977914 | 0 | 2 |
| GO:0038142 | 1 | 0.99797487 | 0 | 1 |
| GO:0038143 | 1 | 0.998013437 | 0 | 1 |
| GO:0038144 | 1 | 0.995993198 | 0 | 2 |
| GO:0038145 | 1 | 0.992001136 | 0 | 4 |
| GO:0038146 | 1 | 0.998003662 | 0 | 1 |
| GO:0038147 | 1 | 0.988048751 | 0 | 6 |
| GO:0038148 | 1 | 0.989959729 | 0 | 5 |
| GO:0038149 | 1 | 0.998013336 | 0 | 1 |
| GO:0038150 | 1 | 0.997993743 | 0 | 1 |
| GO:0038151 | 1 | 0.994005619 | 0 | 3 |
| GO:0038152 | 1 | 0.993989518 | 0 | 3 |
| GO:0038153 | 1 | 0.997991208 | 0 | 1 |
| GO:0038154 | 1 | 0.99799206 | 0 | 1 |
| GO:0038155 | 1 | 0.995978601 | 0 | 2 |
| GO:0038156 | 1 | 0.996009765 | 0 | 2 |
| GO:0038158 | 1 | 0.978125299 | 0 | 11 |
| GO:0038159 | 1 | 0.997969714 | 0 | 1 |
| GO:0038160 | 1 | 0.997969714 | 0 | 1 |
| GO:0038161 | 1 | 0.980172605 | 0 | 10 |
| GO:0038162 | 1 | 0.997969714 | 0 | 1 |
| GO:0038163 | 1 | 0.998012112 | 0 | 1 |
| GO:0038164 | 1 | 0.98012112 | 0 | 1 |
| GO:0038165 | 1 | 0.997992287 | 0 | 2 |
| GO:0038166 | 1 | 0.990085038 | 0 | 5 |
| GO:0038167 | 1 | 0.99797915 | 0 | 1 |
| GO:0038168 | 1 | 0.997982988 | 0 | 1 |
| GO:0038169 | 1 | 0.995975291 | 0 | 2 |
| Gene ID  | GO:ID       | Log10(p-Value) | p-value | Count | Matched GO:ID |
|---------|-------------|----------------|---------|-------|---------------|
| 8873    | GO:0038195  | 0.995923632    | 0       | 2     | GO:0038195    |
| 8874    | GO:0038202  | 0.984147296    | 0       | 8     |               |
| 8875    | GO:0038203  | 0.986043591    | 0       | 7     |               |
| 8876    | GO:0039003  | 0.998006243    | 0       | 1     |               |
| 8877    | GO:0039008  | 0.998013416    | 0       | 1     |               |
| 8878    | GO:0039019  | 0.998003548    | 0       | 1     |               |
| 8879    | GO:0039020  | 0.997991284    | 0       | 1     |               |
| 8880    | GO:0039023  | 0.998013416    | 0       | 1     |               |
| 8881    | GO:0039520  | 0.998012836    | 0       | 1     |               |
| 8882    | GO:0039521  | 0.997973337    | 0       | 1     |               |
| 8883    | GO:0039523  | 0.997990564    | 0       | 1     |               |
| 8884    | GO:0039532  | 0.997973337    | 0       | 1     |               |
| 8885    | GO:0039535  | 0.994014122    | 0       | 3     |               |
| 8886    | GO:0039552  | 0.994018276    | 0       | 3     |               |
| 8887    | GO:0039563  | 0.998013208    | 0       | 1     |               |
| 8888    | GO:0039564  | 0.998013208    | 0       | 1     |               |
| 8889    | GO:0039650  | 0.99799068     | 0       | 1     |               |
| 8890    | GO:0039651  | 0.997990564    | 0       | 1     |               |
| 8891    | GO:0039652  | 0.99399117     | 0       | 3     |               |
| 8892    | GO:0039653  | 0.997973337    | 0       | 1     |               |
| 8893    | GO:0039654  | 0.99799068     | 0       | 1     |               |
| 8894    | GO:0039655  | 0.99799068     | 0       | 1     |               |
| 8895    | GO:0039656  | 0.99799068     | 0       | 1     |               |
| 8896    | GO:0039657  | 0.99799068     | 0       | 1     |               |
| 8897    | GO:0039658  | 0.99799068     | 0       | 1     |               |
| 8898    | GO:0039659  | 0.99799068     | 0       | 1     |               |
| 8899    | GO:0039660  | 0.99799068     | 0       | 1     |               |
| 8900    | GO:0039651  | 0.99799068     | 0       | 1     |               |
| 8901    | GO:0039652  | 0.99799068     | 0       | 1     |               |
| 8902    | GO:0039653  | 0.99799068     | 0       | 1     |               |
| 8903    | GO:0039654  | 0.99799068     | 0       | 1     |               |
| 8904    | GO:0039655  | 0.99799068     | 0       | 1     |               |
| 8905    | GO:0039656  | 0.99799068     | 0       | 1     |               |
| 8906    | GO:0039657  | 0.99799068     | 0       | 1     |               |
| 8907    | GO:0039658  | 0.99799068     | 0       | 1     |               |
| 8908    | GO:0039659  | 0.99799068     | 0       | 1     |               |
| 8909    | GO:0039660  | 0.99799068     | 0       | 1     |               |
| 8910    | GO:0039661  | 0.99799068     | 0       | 1     |               |
| 8911    | GO:0039662  | 0.99799068     | 0       | 1     |               |
| 8912    | GO:0039663  | 0.99799068     | 0       | 1     |               |
| 8913    | GO:0039664  | 0.99799068     | 0       | 1     |               |
| 8914    | GO:0039665  | 0.99799068     | 0       | 1     |               |
| 8915    | GO:0039666  | 0.99799068     | 0       | 1     |               |
| 8916    | GO:0039667  | 0.99799068     | 0       | 1     |               |
| 8917    | GO:0039668  | 0.99799068     | 0       | 1     |               |
| 8918    | GO:0039669  | 0.99799068     | 0       | 1     |               |
| 8919    | GO:0039670  | 0.99799068     | 0       | 1     |               |
| 8920    | GO:0039671  | 0.99799068     | 0       | 1     |               |
| 8921    | GO:0039672  | 0.99799068     | 0       | 1     |               |
| 8922    | GO:0039673  | 0.99799068     | 0       | 1     |               |
| 8923    | GO:0039674  | 0.99799068     | 0       | 1     |               |
| ID   | Gene ID | P     | M  | N     |
|------|---------|-------|----|-------|
| 8923 | GO:0042007 | 0.995974338 | 2  | 0     |
| 8924 | GO:0042008 | 0.998002011 | 1  | 0     |
| 8925 | GO:0042010 | 0.993964411 | 3  | 0     |
| 8926 | GO:0042011 | 0.997996022 | 1  | 0     |
| 8927 | GO:0042012 | 0.997996022 | 1  | 0     |
| 8928 | GO:0042015 | 0.993986463 | 3  | 0     |
| 8929 | GO:0042019 | 0.993980165 | 3  | 0     |
| 8930 | GO:0042020 | 0.99597391  | 2  | 0     |
| 8931 | GO:0042022 | 0.995980712 | 2  | 0     |
| 8932 | GO:0042023 | 0.997990564 | 1  | 0     |
| 8933 | GO:0042026 | 0.962397196 | 19 | 0     |
| 8934 | GO:0042030 | 0.99205412  | 4  | 0     |
| 8935 | GO:0042038 | 0.997990564 | 1  | 0     |
| 8936 | GO:0042043 | 0.970430104 | 15 | 0     |
| 8937 | GO:0042044 | 0.994012235 | 3  | 0     |
| 8938 | GO:0042045 | 0.986027037 | 7  | 0     |
| 8939 | GO:0042048 | 0.988031385 | 6  | 0     |
| 8940 | GO:0042053 | 0.990006843 | 5  | 0     |
| 8941 | GO:0042059 | 0.930184777 | 36 | 0     |
| 8942 | GO:0042060 | 0.818045053 | 100| 0     |
| 8946 | GO:0042063 | 0.984013043 | 8   | 0     |
| 8947 | GO:0042073 | 0.941478058 | 30  | 0     |
| 8948 | GO:0042074 | 0.988026101 | 6   | 0     |
| 8949 | GO:0042088 | 0.981924061 | 9   | 0     |
| 8950 | GO:0042092 | 0.991963357 | 4   | 0     |
| 8951 | GO:0042093 | 0.99402082  | 3   | 0     |
| 8952 | GO:0042098 | 0.960609595 | 20  | 0     |
| 8953 | GO:0042100 | 0.964410944 | 18  | 0     |
| 8954 | GO:0042101 | 0.974099456 | 13  | 0     |
| 8955 | GO:0042102 | 0.905846144 | 49  | 0     |
| 8956 | GO:0042104 | 0.958500885 | 21  | 0     |
| 8957 | GO:0042105 | 0.991897198 | 4   | 0     |
| 8958 | GO:0042110 | 0.913521084 | 45  | 0     |
| 8959 | GO:0042113 | 0.937717224 | 32  | 0     |
| 8960 | GO:0042116 | 0.978158816 | 11  | 0     |
| 8961 | GO:0042117 | 0.983958703 | 8   | 0     |
| 8963 | GO:0042119 | 0.976063984 | 12  | 0     |
| 8964 | GO:0042126 | 0.993963012 | 3   | 0     |
| 8966 | GO:0042129 | 0.980145594 | 10  | 0     |
| 8967 | GO:0042130 | 0.928083011 | 37  | 0     |
| 8968 | GO:0042131 | 0.997990564 | 1   | 0     |
| 8969 | GO:0042132 | 0.99594082  | 2   | 0     |
| 8970 | GO:0042133 | 0.991974348 | 4   | 0     |
| 8971 | GO:0042134 | 0.993942123 | 3   | 0     |
| 8972 | GO:0042135 | 0.984100686 | 8   | 0     |
| GO:0042136 | 0.986069515 | 7 |
| GO:0042138 | 0.989972008 | 5 |
| GO:0042144 | 0.997987032 | 1 |
| GO:0042147 | 0.863551242 | 73 |
| GO:0042148 | 0.991975291 | 4 |
| GO:0042149 | 0.990023696 | 5 |
| GO:0042152 | 0.997987032 | 1 |
| GO:0042157 | 0.989955683 | 5 |
| GO:0042158 | 0.990023696 | 5 |
| GO:0042159 | 0.951086844 | 25 |
| GO:0042160 | 0.997968714 | 1 |
| GO:0042161 | 0.991989850 | 4 |
| GO:0042162 | 0.997968714 | 1 |
| GO:0042163 | 0.990094397 | 10 |
| GO:0042164 | 0.972165818 | 14 |
| GO:0042165 | 0.989937922 | 5 |
| GO:0042166 | 0.928525587 | 37 |
| GO:0042167 | 0.988056878 | 6 |
| GO:0042168 | 0.994031808 | 3 |
| GO:0042169 | 0.964424972 | 18 |
| GO:0042170 | 0.931958665 | 35 |
| GO:0042171 | 0.983973346 | 8 |
| GO:0042172 | 0.993985404 | 3 |
| GO:0042173 | 0.998002608 | 1 |
| GO:0042174 | 0.997972955 | 1 |
| GO:0042175 | 0.99797183 | 1 |
| GO:0042176 | 0.997990564 | 1 |
| GO:0042177 | 0.928468757 | 37 |
| GO:0042178 | 0.996001845 | 2 |
| GO:0042179 | 0.960378616 | 20 |
| GO:0042180 | 0.99993458 | 1 |
| GO:0042181 | 0.99402115 | 3 |
| GO:0042182 | 0.818824862 | 99 |
| GO:0042183 | 0.986046955 | 7 |
| GO:0042184 | 0.989940967 | 5 |
| GO:0042185 | 0.98982957 | 5 |
| GO:0042186 | 0.996020151 | 3 |
| GO:0042187 | 0.996020151 | 3 |
| GO:0042188 | 0.980023696 | 5 |
| GO:0042189 | 0.997970247 | 1 |
| GO:0042276 | 0.958541698 | 0 | 21 |
| GO:0042277 | 0.896930446 | 0 | 54 |
| GO:0042278 | 0.991976795 | 0 | 4 |
| GO:0042281 | 0.998000023 | 0 | 1 |
| GO:0042282 | 0.998011252 | 0 | 1 |
| GO:0042283 | 0.997973716 | 0 | 1 |
| GO:0042284 | 0.995948206 | 0 | 2 |
| GO:0042285 | 0.995985075 | 0 | 2 |
| GO:0042287 | 0.966372252 | 0 | 17 |
| GO:0042288 | 0.990007370 | 0 | 5 |
| GO:0042289 | 0.997954504 | 0 | 1 |
| GO:0042291 | 0.967464140 | 0 | 22 |
| GO:0042300 | 0.986008482 | 0 | 7 |
| GO:0042304 | 0.982139156 | 0 | 9 |
| GO:0042307 | 0.978132750 | 0 | 11 |
| GO:0042311 | 0.956746414 | 0 | 40 |
| GO:0042327 | 0.995964445 | 0 | 2 |
| GO:0042328 | 0.964409383 | 0 | 18 |
| GO:0042335 | 0.962390156 | 0 | 19 |
| GO:0042342 | 0.999013436 | 0 | 1 |
| GO:0042344 | 0.995964445 | 0 | 2 |
| GO:0042356 | 0.999013436 | 0 | 1 |
| GO:0042360 | 0.978132750 | 0 | 11 |
| GO:0042361 | 0.993959210 | 0 | 3 |
| GO:0042363 | 0.991976795 | 0 | 4 |
| GO:0042368 | 0.995964445 | 0 | 2 |
| GO:0042371 | 0.995964445 | 0 | 4 |
| GO:0042373 | 0.995964445 | 0 | 4 |
| GO:0042376 | 1 | 0.989952286 | 0 | 5 |
| GO:0042377 | 1 | 0.991973895 | 0 | 4 |
| GO:0042379 | 1 | 0.989850882 | 0 | 5 |
| GO:0042382 | 1 | 0.990040596 | 0 | 5 |
| GO:0042391 | 1 | 0.837931505 | 0 | 88 |
| GO:0042392 | 1 | 0.985998749 | 0 | 7 |
| GO:0042403 | 1 | 0.980126344 | 0 | 10 |
| GO:0042404 | 1 | 0.998013437 | 0 | 1 |
| GO:0042405 | 1 | 0.976316876 | 0 | 12 |
| GO:0042406 | 1 | 0.986003257 | 0 | 7 |
| GO:0042407 | 1 | 0.978146522 | 0 | 11 |
| GO:0042412 | 1 | 0.997989828 | 0 | 1 |
| GO:0042413 | 1 | 0.997986532 | 0 | 1 |
| GO:0042414 | 1 | 0.998013437 | 0 | 1 |
| GO:0042415 | 1 | 0.988005288 | 0 | 6 |
| GO:0042416 | 1 | 0.988021518 | 0 | 6 |
| GO:0042417 | 1 | 0.978146522 | 0 | 11 |
| GO:0042418 | 1 | 0.997989828 | 0 | 1 |
| GO:0042420 | 1 | 0.989984045 | 0 | 5 |
| GO:0042421 | 1 | 0.993993886 | 0 | 3 |
| GO:0042423 | 1 | 0.993993886 | 0 | 3 |
| GO:0042424 | 1 | 0.997982988 | 0 | 1 |
| GO:0042426 | 1 | 0.988057537 | 0 | 6 |
| GO:0042427 | 1 | 0.993950984 | 0 | 3 |
| GO:0042428 | 1 | 0.990059418 | 0 | 5 |
| GO:0042431 | 1 | 0.997982764 | 0 | 1 |
| GO:0042438 | 1 | 0.978099499 | 0 | 11 |
| GO:0042445 | 1 | 0.978153098 | 0 | 11 |
| GO:0042446 | 1 | 0.980130959 | 0 | 10 |
| GO:0042447 | 1 | 0.994037711 | 0 | 3 |
| GO:0042448 | 1 | 0.981937725 | 0 | 9 |
| GO:0042450 | 1 | 0.997978487 | 0 | 1 |
| GO:0042461 | 1 | 0.992069687 | 0 | 4 |
| GO:0042462 | 1 | 0.974279783 | 0 | 13 |
| GO:0042470 | 1 | 0.817389907 | 0 | 100 |
| GO:0042471 | 1 | 0.988053649 | 0 | 6 |
| GO:0042472 | 1 | 0.909908767 | 0 | 47 |
| GO:0042473 | 1 | 0.989935743 | 0 | 5 |
| GO:0042474 | 1 | 0.970183394 | 0 | 15 |
| GO:0042475 | 1 | 0.911677956 | 0 | 46 |
| GO:0042476 | 1 | 0.937548934 | 0 | 32 |
| GO:0042481 | 1 | 0.993946191 | 0 | 31 |
| GO:0042482 | 1 | 0.997982764 | 0 | 1 |
| GO:0042487 | 1 | 0.978099499 | 0 | 11 |
| GO:0042488 | 1 | 0.974279783 | 0 | 13 |
| GO:0042489 | 1 | 0.817389907 | 0 | 100 |
| GO ID | Description | Count | P-value | FDR | Count |
|-------|-------------|-------|---------|-----|-------|
| GO:0042489 | 1 | 0.995984776 | 0 | 2 |
| GO:0042490 | 1 | 0.993998805 | 0 | 3 |
| GO:0042491 | 1 | 0.986081365 | 0 | 7 |
| GO:0042492 | 1 | 0.994024846 | 0 | 3 |
| GO:0042494 | 1 | 0.996030001 | 0 | 2 |
| GO:0042495 | 1 | 0.99599623 | 0 | 2 |
| GO:0042496 | 1 | 0.996017597 | 0 | 2 |
| GO:0042497 | 1 | 0.998000278 | 0 | 1 |
| GO:0042500 | 1 | 0.988015275 | 0 | 6 |
| GO:0042501 | 1 | 0.993983314 | 0 | 3 |
| GO:0042509 | 1 | 0.991924496 | 0 | 4 |
| GO:0042531 | 1 | 0.905909744 | 0 | 49 |
| GO:0042532 | 1 | 0.974230802 | 0 | 13 |
| GO:0042538 | 1 | 0.99399659 | 0 | 3 |
| GO:0042541 | 1 | 0.991965256 | 0 | 4 |
| GO:0042543 | 1 | 0.997951079 | 0 | 1 |
| GO:0042551 | 1 | 0.978240081 | 0 | 11 |
| GO:0042552 | 1 | 0.907977785 | 0 | 48 |
| GO:0042554 | 1 | 0.97153002 | 0 | 14 |
| GO:0042555 | 1 | 0.976193912 | 0 | 12 |
| GO:0042558 | 1 | 0.998013437 | 0 | 1 |
| GO:0042559 | 1 | 0.997977827 | 0 | 1 |
| GO:0042562 | 1 | 0.982025566 | 0 | 9 |
| GO:0042564 | 1 | 0.998010369 | 0 | 1 |
| GO:0042565 | 1 | 0.995978993 | 0 | 2 |
| GO:0042567 | 1 | 0.9920187 | 0 | 4 |
| GO:0042568 | 1 | 0.997959584 | 0 | 1 |
| GO:0042571 | 1 | 0.997990564 | 0 | 1 |
| GO:0042572 | 1 | 0.916889355 | 0 | 43 |
| GO:0042573 | 1 | 0.950802426 | 0 | 25 |
| GO:0042574 | 1 | 0.970267891 | 0 | 15 |
| GO:0042575 | 1 | 0.99793354 | 0 | 1 |
| GO:0042577 | 1 | 0.976144169 | 0 | 12 |
| GO:0042578 | 1 | 0.98604333 | 0 | 7 |
| GO:0042581 | 1 | 0.974090053 | 0 | 13 |
| GO:0042582 | 1 | 0.983982092 | 0 | 8 |
| GO:0042583 | 1 | 0.993973762 | 0 | 3 |
| GO:0042584 | 1 | 0.984089064 | 0 | 8 |
| GO:0042585 | 1 | 0.993994708 | 0 | 3 |
| GO:0042586 | 1 | 0.997963324 | 0 | 1 |
| GO:0042587 | 1 | 0.986074429 | 0 | 7 |
| GO:0042588 | 1 | 0.993984279 | 0 | 3 |
| GO:0042589 | 1 | 0.980053778 | 0 | 10 |
| GO:0042590 | 1 | 0.98989929 | 0 | 5 |
| GO:0042592 | 1 | 0.980112781 | 0 | 10 |
| GO:0042593 | 1  | 0.829156498 | 0  | 93 |
| GO:0042594 | 1  | 0.935738786 | 0  | 33 |
| GO:0042595 | 1  | 0.998005942 | 0  | 1  |
| GO:0042596 | 1  | 0.99198908  | 0  | 4  |
| GO:0042599 | 1  | 0.998978294 | 0  | 5  |
| GO:0042601 | 1  | 0.97795195  | 0  | 11 |
| GO:0042602 | 1  | 0.981999777 | 0  | 9  |
| GO:0042603 | 1  | 0.991926513 | 0  | 4  |
| GO:0042606 | 1  | 0.983860323 | 0  | 8  |
| GO:0042607 | 1  | 0.971925776 | 0  | 14 |
| GO:0042608 | 1  | 0.99259674  | 0  | 14 |
| GO:0042610 | 1  | 0.993912875 | 0  | 3  |
| GO:0042612 | 1  | 0.999345214 | 0  | 53 |
| GO:0042613 | 1  | 0.98388506  | 0  | 8  |
| GO:0042614 | 1  | 0.989005442 | 0  | 5  |
| GO:0042615 | 1  | 0.98403234  | 0  | 3  |
| GO:0042616 | 1  | 0.871889143 | 0  | 68 |
| GO:0042618 | 1  | 0.93989688  | 0  | 8  |
| GO:0042619 | 1  | 0.988057117 | 0  | 6  |
| GO:0042620 | 1  | 0.996001362 | 0  | 2  |
| GO:0042621 | 1  | 0.998000767 | 0  | 1  |
| GO:0042622 | 1  | 0.976339984 | 0  | 12 |
| GO:0042623 | 1  | 0.913293298 | 0  | 45 |
| GO:0042624 | 1  | 0.997963633 | 0  | 1  |
| GO:0042625 | 1  | 0.99801336  | 0  | 1  |
| GO:0042626 | 1  | 0.998013437 | 0  | 1  |
| GO:0042627 | 1  | 0.993929081 | 0  | 3  |
| GO:0042628 | 1  | 0.997975268 | 0  | 1  |
| GO:0042629 | 1  | 0.997963363 | 0  | 1  |
| GO:0042630 | 1  | 0.998005981 | 0  | 1  |
| GO:0042631 | 1  | 0.998004171 | 0  | 1  |
| GO:0042632 | 1  | 0.974260874 | 0  | 13 |
| GO:0042633 | 1  | 0.99797054  | 0  | 1  |
| GO:0042634 | 1  | 0.984029968 | 0  | 8  |
| GO:0042635 | 1  | 0.995962914 | 0  | 2  |
| GO:0042636 | 1  | 0.998011767 | 0  | 1  |
| GO:0042637 | 1  | 0.99598761  | 0  | 2  |
| GO:0042638 | 1  | 0.996014261 | 0  | 2  |
| GO:0042639 | 1  | 0.995969712 | 0  | 2  |
| GO:0042640 | 1  | 0.984115936 | 0  | 8  |
| GO:0042641 | 1  | 0.992067062 | 0  | 4  |
| GO:0042642 | 1  | 0.989883796 | 0  | 5  |
| GO         | Count | Score   | Count | Score   |
|------------|-------|---------|-------|---------|
| GO:0042720 | 1     | 0.995930493 | 0     | 2       |
| GO:0042721 | 1     | 0.991971189  | 0     | 4       |
| GO:0042723 | 1     | 0.989980042  | 0     | 5       |
| GO:0042730 | 1     | 0.968197574  | 0     | 16      |
| GO:0042731 | 1     | 0.99199505   | 0     | 48      |
| GO:0042732 | 1     | 0.993953217  | 0     | 3       |
| GO:0042733 | 1     | 0.956573314  | 0     | 22      |
| GO:0042734 | 1     | 0.92216987   | 0     | 19      |
| GO:0042735 | 1     | 0.99783347   | 0     | 1       |
| GO:0042736 | 1     | 0.99597611   | 0     | 2       |
| GO:0042737 | 1     | 0.999013437  | 0     | 1       |
| GO:0042738 | 1     | 0.997990804  | 0     | 1       |
| GO:0042739 | 1     | 0.881226913  | 0     | 63      |
| GO:0042740 | 1     | 0.986095046  | 0     | 7       |
| GO:0042741 | 1     | 0.98215161   | 0     | 9       |
| GO:0042742 | 1     | 0.964415267  | 0     | 18      |
| GO:0042743 | 1     | 0.991932478  | 0     | 4       |
| GO:0042744 | 1     | 0.989955933  | 0     | 5       |
| GO:0042745 | 1     | 0.954622872  | 0     | 23      |
| GO:0042746 | 1     | 0.988032847  | 0     | 6       |
| GO:0042747 | 1     | 0.976106753  | 0     | 12      |
| GO:0042748 | 1     | 0.989981877  | 0     | 5       |
| GO:0042749 | 1     | 0.992047569  | 0     | 4       |
| GO:0042750 | 1     | 0.926172871  | 0     | 38      |
| GO:0042751 | 1     | 0.980112749  | 0     | 10      |
| GO:0042752 | 1     | 0.941415829  | 0     | 30      |
| GO:0042753 | 1     | 0.997963003  | 0     | 1       |
| GO:0042754 | 1     | 0.987973145  | 0     | 6       |
| GO:0042755 | 1     | 0.97990564   | 0     | 1       |
| GO:0042756 | 1     | 0.981891816  | 0     | 9       |
| GO:0042757 | 1     | 0.962464244  | 0     | 19      |
| GO:0042758 | 1     | 0.995942551  | 0     | 2       |
| GO:0042759 | 1     | 0.99198045   | 0     | 4       |
| GO:0042760 | 1     | 0.995991973  | 0     | 2       |
| GO:0042761 | 1     | 0.935083807  | 0     | 33      |
| GO:0042762 | 1     | 0.976258981  | 0     | 12      |
| GO:0042763 | 1     | 0.993844444  | 0     | 3       |
| GO:0042764 | 1     | 0.98802336   | 0     | 6       |
| GO:0042765 | 1     | 0.870041927  | 0     | 69      |
| GO:0042766 | 1     | 0.984023897  | 0     | 8       |
| GO:0042767 | 1     | 0.986004991  | 0     | 7       |
| GO:0042799 | 9249 | 1 | 0.991997615 | 4 |
| GO:0042805 | 9253 | 1 | 0.97623938 | 12 |
| GO:0042806 | 9254 | 1 | 0.989940487 | 5 |
| GO:0042809 | 9255 | 1 | 0.970370487 | 15 |
| GO:0042813 | 9256 | 1 | 0.970443924 | 15 |
| GO:0042816 | 9257 | 1 | 0.994039078 | 3 |
| GO:0042823 | 9258 | 1 | 0.996005446 | 2 |
| GO:0042826 | 9259 | 1 | 0.804768101 | 108 |
| GO:0042827 | 9260 | 1 | 0.998010073 | 1 |
| GO:0042832 | 9261 | 1 | 0.966361054 | 17 |
| GO:0042834 | 9262 | 1 | 0.978056109 | 11 |
| GO:0042835 | 9263 | 1 | 0.996024049 | 2 |
| GO:0042840 | 9264 | 1 | 0.97969391 | 1 |
| GO:0042843 | 9265 | 1 | 0.997961917 | 1 |
| GO:0042851 | 9266 | 1 | 0.998006784 | 2 |
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| GO:0042883 | 9269 | 1 | 0.998004621 | 1 |
| GO:0042886 | 9270 | 1 | 0.997998744 | 1 |
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| GO:0042910 | 9275 | 1 | 0.9665238 | 17 |
| GO:0042921 | 9276 | 1 | 0.988028514 | 6 |
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| GO:0042923 | 9278 | 1 | 0.974145117 | 13 |
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| GO:0042931 | 9281 | 1 | 0.997990564 | 1 |
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| GO:0042938 | 9283 | 1 | 0.998013399 | 1 |
| GO:0042942 | 9284 | 1 | 0.995986176 | 2 |
| GO:0042945 | 9285 | 1 | 0.997994328 | 1 |
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| GO:0042953 | 9288 | 1 | 0.972355877 | 14 |
| GO:0042974 | 9289 | 1 | 0.968455931 | 16 |
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| ID   | GO:0042987 | 1 | 0.972310759 | 0 | 14 |
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| ID   | GO:0042989 | 1 | 0.979869051 | 0 | 10 |
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| ID   | GO:0043014 | 1 | 0.926566037 | 0 | 38 |
| ID   | GO:0043015 | 1 | 0.939723767 | 0 | 31 |
| ID   | GO:0043020 | 1 | 0.978062434 | 0 | 11 |
| ID   | GO:0043021 | 1 | 0.931983839 | 0 | 35 |
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| ID   | GO:0043024 | 1 | 0.966351109 | 0 | 17 |
| ID   | GO:0043025 | 1 | 0.477926277 | 0 | 365|
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| ID   | GO:0043031 | 1 | 0.985950622 | 0 | 7  |
| ID   | GO:0043032 | 1 | 0.966313103 | 0 | 17 |
| ID   | GO:0043033 | 1 | 0.998013437 | 0 | 1  |
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| ID   | GO:0043044 | 1 | 0.936069779 | 0 | 33 |
| ID   | GO:0043045 | 1 | 0.990010573 | 0 | 5  |
| ID   | GO:0043046 | 1 | 0.964481375 | 0 | 18 |
| ID   | GO:0043047 | 1 | 0.990065748 | 0 | 5  |
| ID   | GO:0043048 | 1 | 0.997981857 | 0 | 1  |
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| 9401   | GO:0043186       | 1       | 0.970362208 | 0     | 15      |
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| 9404   | GO:0043194       | 1       | 0.96851659 | 0     | 16      |
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| 9407   | GO:0043197       | 1       | 0.739718652 | 0     | 150     |
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| 9410   | GO:0043200       | 1       | 0.945164785 | 0     | 28      |
| 9411   | GO:0043201       | 1       | 0.996013002 | 0     | 2       |
| 9412   | GO:0043202       | 1       | 0.844340005 | 0     | 84      |
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| 9414   | GO:0043204       | 1       | 0.760536804 | 0     | 136     |
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| 9421   | GO:0043221       | 1       | 0.99790564 | 0     | 1       |
| 9422   | GO:0043227       | 1       | 0.990042575 | 0     | 5       |
| 9423   | GO:0043229       | 1       | 0.968334019 | 0     | 16      |
| 9425   | GO:0043235       | 1       | 0.694891919 | 0     | 181     |
| 9426   | GO:0043236       | 1       | 0.952986291 | 0     | 24      |
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| 9428   | GO:0043240       | 1       | 0.972238514 | 0     | 14      |
| 9429   | GO:0043242       | 1       | 0.99400671 | 0     | 3       |
| 9430   | GO:0043243       | 1       | 0.989994729 | 0     | 5       |
| 9431   | GO:0043244       | 1       | 0.998013437 | 0     | 1       |
| 9432   | GO:0043247       | 1       | 0.996028851 | 0     | 2       |
| 9433   | GO:0043248       | 1       | 0.975970981 | 0     | 12      |
| 9434   | GO:0043249       | 1       | 0.978159966 | 0     | 11      |
| 9435   | GO:0043250       | 1       | 0.997969916 | 0     | 1       |
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| 9437   | GO:0043252       | 1       | 0.974289298 | 0     | 13      |
| 9438   | GO:0043254       | 1       | 0.958658821 | 0     | 21      |
| 9439   | GO:0043256       | 1       | 0.98416634 | 0     | 8       |
| 9440   | GO:0043257       | 1       | 0.998013437 | 0     | 1       |
| GO:0043259 | 1 | 0.994051875 | 0 | 3 |
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| GO:0043266 | 1 | 0.992009024 | 0 | 4 |
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| GO:0043269 | 1 | 0.99197056 | 0 | 4 |
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| GO:0043278 | 1 | 0.93605485 | 0 | 12 |
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| GO:0043388 | 1 | 0.939401035 | 0 | 31 |
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| GO:0043400 | 1 | 0.997954504 | 0 | 1 |
| GO:0043401 | 1 | 0.9549687 | 0 | 23 |
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| GO:0043403 | 1 | 0.96443032 | 0 | 18 |
| GO:0043405 | 1 | 0.980134676 | 0 | 10 |
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| GO:0043417 | 1 | 0.997970576 | 0 | 1 |
| GO:0043418 | 1 | 0.993984251 | 0 | 3 |
| GO:0043420 | 1 | 0.993960353 | 0 | 3 |
| GO:0043422 | 1 | 0.976158477 | 0 | 12 |
| GO:0043423 | 1 | 0.998010325 | 0 | 1 |
| GO:0043425 | 1 | 0.960646747 | 0 | 20 |
| GO:0043426 | 1 | 0.990047707 | 0 | 5 |
| GO:0043430 | 1 | 0.997970045 | 0 | 1 |
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| 9535 GO:0043438 | 1 | 0.997992492 | 0 | 1 |
| 9536 GO:0043456 | 1 | 0.9956833 | 0 | 2 |
| 9537 GO:0043457 | 1 | 0.984092571 | 0 | 8 |
| 9538 GO:0043461 | 1 | 0.997970868 | 0 | 1 |
| 9539 GO:0043462 | 1 | 0.984009707 | 0 | 8 |
| 9540 GO:0043471 | 1 | 0.998012241 | 0 | 1 |
| 9541 GO:0043473 | 1 | 0.911851352 | 0 | 46 |
| 9542 GO:0043474 | 1 | 0.982055527 | 0 | 9 |
| 9543 GO:0043482 | 1 | 0.790847141 | 0 | 116 |
| 9544 GO:0043489 | 1 | 0.99193538 | 0 | 4 |
| 9545 GO:0043490 | 1 | 0.99199941 | 0 | 4 |
| 9546 GO:0043491 | 1 | 0.933985587 | 0 | 34 |
| 9547 GO:0043495 | 1 | 0.970231344 | 0 | 15 |
| 9548 GO:0043503 | 1 | 0.995944317 | 0 | 2 |
| 9549 GO:0043504 | 1 | 0.988046361 | 0 | 6 |
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| 9552 GO:0043508 | 1 | 0.97457549 | 0 | 13 |
| 9553 GO:0043509 | 1 | 0.997981405 | 0 | 1 |
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| 9557 GO:0043515 | 1 | 0.988028898 | 0 | 6 |
| 9558 GO:0043516 | 1 | 0.989955722 | 0 | 5 |
| 9559 GO:0043517 | 1 | 0.976157744 | 0 | 12 |
| 9560 GO:0043518 | 1 | 0.972192948 | 0 | 14 |
| 9561 GO:0043519 | 1 | 0.997980382 | 0 | 1 |
| 9562 GO:0043520 | 1 | 0.978038163 | 0 | 11 |
| 9563 GO:0043521 | 1 | 0.960586555 | 0 | 20 |
| 9564 GO:0043522 | 1 | 0.772586758 | 0 | 128 |
| 9565 GO:0043523 | 1 | 0.92292596 | 0 | 51 |
| 9566 GO:0043524 | 1 | 0.99544175 | 0 | 2 |
| 9567 GO:0043525 | 1 | 0.993974803 | 0 | 3 |
| 9568 GO:0043526 | 1 | 0.995960388 | 0 | 2 |
| 9569 GO:0043527 | 1 | 0.930320579 | 0 | 36 |
| 9570 GO:0043528 | 1 | 0.992008642 | 0 | 4 |
| 9571 GO:0043529 | 1 | 0.990052218 | 0 | 5 |
| 9572 GO:0043530 | 1 | 0.980080262 | 0 | 10 |
| 9573 GO:0043531 | 1 | 0.988028575 | 0 | 6 |
| 9574 GO:0043532 | 1 | 0.928374907 | 0 | 37 |
| 9575 GO:0043533 | 1 | 0.960574324 | 0 | 20 |
| GeneID | GO:00 cId | Count | pVal |
|--------|-----------|-------|------|
| 9579   | GO:0043538| 1     | 0.997995094 |
| 9580   | GO:0043539| 1     | 0.941536209 |
| 9581   | GO:0043540| 1     | 0.997974207 |
| 9582   | GO:0043541| 1     | 0.993971966 |
| 9583   | GO:0043542| 1     | 0.94196872 |
| 9584   | GO:0043543| 1     | 0.997981454 |
| 9585   | GO:0043544| 1     | 0.98002843 |
| 9586   | GO:0043545| 1     | 0.997990293 |
| 9587   | GO:0043546| 1     | 0.988059641 |
| 9588   | GO:0043547| 1     | 0.526432357 |
| 9589   | GO:0043548| 1     | 0.958785928 |
| 9590   | GO:0043549| 1     | 0.990064207 |
| 9591   | GO:0043550| 1     | 0.992030371 |
| 9592   | GO:0043551| 1     | 0.968441861 |
| 9593   | GO:0043552| 1     | 0.945503437 |
| 9594   | GO:0043553| 1     | 0.992001362 |
| 9595   | GO:0043555| 1     | 0.996014312 |
| 9596   | GO:0043558| 1     | 0.998009026 |
| 9597   | GO:0043559| 1     | 0.990091739 |
| 9598   | GO:0043560| 1     | 0.980225215 |
| 9599   | GO:0043561| 1     | 0.99384232 |
| 9601   | GO:0043562| 1     | 0.987937988 |
| 9602   | GO:0043563| 1     | 0.984115616 |
| 9603   | GO:0043564| 1     | 0.990039776 |
| 9604   | GO:0043565| 1     | 0.99204879 |
| 9605   | GO:0043566| 1     | 0.990039084 |
| 9606   | GO:0043567| 1     | 0.978161171 |
| 9607   | GO:0043568| 1     | 0.988066113 |
| 9608   | GO:0043569| 1     | 0.994030546 |
| 9609   | GO:0043570| 1     | 0.984125738 |
| 9610   | GO:0043571| 1     | 0.991994152 |
| 9611   | GO:0043572| 1     | 0.915531635 |
| 9612   | GO:0043573| 1     | 0.978238367 |
| 9613   | GO:0043574| 1     | 0.976235475 |
| 9614   | GO:0043575| 1     | 0.997986766 |
| 9615   | GO:0043576| 1     | 0.997976314 |
| 9616   | GO:0043577| 1     | 0.997967328 |
| 9617   | GO:0043578| 1     | 0.998013437 |
| 9618   | GO:0043579| 1     | 0.9960262 |
| 9619   | GO:0043580| 1     | 0.991971367 |
| 9620   | GO:0043581| 1     | 0.97813852 |
| 9621   | GO:0043582| 1     | 0.993943931 |
| 9622   | GO:0043583| 1     | 0.988044052 |
| 9623   | GO:0043584| 1     | 0.988046177 |
| 9625   | GO:0043585| 1     | 0.992042931 |
| GO:0043624 | 1 | 0.997984757 | 0 | 1 |
| GO:0043625 | 1 | 0.991958522 | 0 | 4 |
| GO:0043626 | 1 | 0.997966828 | 0 | 1 |
| GO:0043627 | 1 | 0.895119485 | 0 | 55 |
| GO:0043629 | 1 | 0.997990564 | 0 | 1 |
| GO:0043630 | 1 | 0.997990564 | 0 | 1 |
| GO:0043631 | 1 | 0.988062817 | 0 | 6 |
| GO:0043647 | 1 | 0.911868282 | 0 | 46 |
| GO:0043648 | 1 | 0.991927743 | 0 | 4 |
| GO:0043649 | 1 | 0.995939606 | 0 | 2 |
| GO:0043651 | 1 | 0.960458553 | 0 | 20 |
| GO:0043652 | 1 | 0.968384115 | 0 | 16 |
| GO:0043653 | 1 | 0.981982758 | 0 | 9 |
| GO:0043654 | 1 | 0.988004244 | 0 | 6 |
| GO:0043656 | 1 | 0.913468173 | 0 | 45 |
| GO:0043679 | 1 | 0.904397076 | 0 | 50 |
| GO:0043682 | 1 | 0.996030731 | 0 | 2 |
| GO:0043686 | 1 | 0.993953276 | 0 | 3 |
| GO:0043687 | 1 | 0.519393623 | 0 | 323 |
| GO:0043691 | 1 | 0.970147578 | 0 | 15 |
| GO:0043697 | 1 | 0.992024022 | 0 | 4 |
| GO:0043715 | 1 | 0.997978835 | 0 | 1 |
| GO:0043716 | 1 | 0.997978835 | 0 | 1 |
| GO:0043727 | 1 | 0.99799951 | 0 | 1 |
| GO:0043734 | 1 | 0.993952279 | 0 | 3 |
| GO:0043739 | 1 | 0.997998115 | 0 | 1 |
| GO:0043754 | 1 | 0.998013437 | 0 | 1 |
| GO:0043759 | 1 | 0.997976212 | 0 | 1 |
| GO:0043783 | 1 | 0.997984331 | 0 | 1 |
| GO:0043795 | 1 | 0.99798061 | 0 | 1 |
| GO:0043812 | 1 | 0.992034181 | 0 | 4 |
| GO:0043813 | 1 | 0.997996249 | 0 | 1 |
| GO:0043843 | 1 | 0.99798546 | 0 | 1 |
| GO:0043849 | 1 | 0.997993118 | 0 | 1 |
| GO:0043855 | 1 | 0.998003731 | 0 | 1 |
| GO:0043874 | 1 | 0.997978835 | 0 | 1 |
| GO:0043878 | 1 | 0.988020826 | 0 | 6 |
| GO:0043890 | 1 | 0.997984599 | 0 | 1 |
| GO:0043914 | 1 | 0.998006825 | 0 | 1 |
| GO:0043915 | 1 | 0.997973557 | 0 | 1 |
| GO:0043916 | 1 | 0.997961976 | 0 | 1 |
| GO:0043921 | 1 | 0.997971449 | 0 | 1 |
| GO:0043922 | 1 | 0.97814406 | 0 | 11 |
| GO:0043923 | 1 | 0.968419088 | 0 | 16 |
| GO:0043924 | 1 | 0.998013437 | 0 | 1 |
| GO ID   | GO ID         | Value     | 0 | 33 |
|---------|---------------|-----------|---|----|
| 9672    | GO:0043928    | 0.935489994 | 0 | 33 |
| 9673    | GO:0043931    | 0.982191763 | 0 |  9 |
| 9674    | GO:0043932    | 0.991941046 | 0 |  4 |
| 9675    | GO:0043933    | 0.997990564 | 0 |  1 |
| 9676    | GO:0043947    | 0.997974286 | 0 |  1 |
| 9677    | GO:0043949    | 0.98014953  | 0 | 10 |
| 9678    | GO:0043950    | 0.978036559 | 0 | 11 |
| 9679    | GO:0043951    | 0.970413488 | 0 | 15 |
| 9680    | GO:0043956    | 0.997966704 | 0 |  1 |
| 9681    | GO:0043966    | 0.922745289 | 0 | 40 |
| 9682    | GO:0043967    | 0.935858731 | 0 | 33 |
| 9683    | GO:0043968    | 0.970184086 | 0 | 15 |
| 9684    | GO:0043969    | 0.994002514 | 0 |  3 |
| 9685    | GO:0043970    | 0.96004456  | 0 |  2 |
| 9686    | GO:0043972    | 0.99006314  | 0 |  5 |
| 9687    | GO:0043973    | 0.997981946 | 0 |  1 |
| 9688    | GO:0043977    | 0.99799382  | 0 |  1 |
| 9689    | GO:0043979    | 0.997996776 | 0 |  1 |
| 9690    | GO:0043980    | 0.99799382  | 0 |  1 |
| 9691    | GO:0043981    | 0.970297087 | 0 | 15 |
| 9692    | GO:0043982    | 0.970297087 | 0 | 15 |
| 9693    | GO:0043983    | 0.98599125  | 0 |  7 |
| 9694    | GO:0043984    | 0.974268504 | 0 | 13 |
| 9695    | GO:0043985    | 0.987987025 | 0 |  6 |
| 9696    | GO:0043987    | 0.993977814 | 0 |  3 |
| 9697    | GO:0043988    | 0.993969151 | 0 |  3 |
| 9698    | GO:0043990    | 0.997995825 | 0 |  1 |
| 9699    | GO:0043994    | 0.99006314  | 0 |  5 |
| 9700    | GO:0043995    | 0.997990564 | 0 |  1 |
| 9701    | GO:0043996    | 0.997990564 | 0 |  1 |
| 9702    | GO:0043997    | 0.997996279 | 0 |  1 |
| 9703    | GO:0043998    | 0.99799941  | 0 |  1 |
| 9704    | GO:0044003    | 0.993966144 | 0 |  3 |
| 9705    | GO:0044013    | 0.997980545 | 0 |  1 |
| 9706    | GO:0044020    | 0.991951886 | 0 |  4 |
| 9707    | GO:0044027    | 0.997981631 | 0 |  1 |
| 9708    | GO:0044029    | 0.994003641 | 0 |  3 |
| 9709    | GO:0044030    | 0.970385254 | 0 | 15 |
| 9710    | GO:0044053    | 0.997985301 | 0 |  1 |
| 9711    | GO:0044058    | 0.998010369 | 0 |  1 |
| 9712    | GO:0044062    | 0.99599557  | 0 |  2 |
| 9713    | GO:0044065    | 0.993984383 | 0 |  3 |
| 9714    | GO:0044070    | 0.989979161 | 0 |  5 |
| 9715    | GO:0044088    | 0.99800092  | 0 |  1 |
| 9716    | GO:0044090    | 0.995966904 | 0 |  2 |
| Gene ID | GO ID          | Score | p-value | Match Count |
|--------|----------------|-------|---------|-------------|
| 9717   | GO:0044091     | 1     | 0.996000027 | 0           |
| 9718   | GO:0044093     | 1     | 0.99800067  | 0           |
| 9719   | GO:0044105     | 1     | 0.997956897 | 0           |
| 9720   | GO:0044111     | 1     | 0.998013437 | 0           |
| 9721   | GO:0044147     | 1     | 0.99972358  | 0           |
| 9722   | GO:0044154     | 1     | 0.984133055 | 0           |
| 9723   | GO:0044183     | 1     | 0.931716108 | 0           |
| 9724   | GO:0044194     | 1     | 0.991933659 | 0           |
| 9725   | GO:0044195     | 1     | 0.997984457 | 0           |
| 9726   | GO:0044205     | 1     | 0.93994038  | 0           |
| 9727   | GO:0044206     | 1     | 0.98992325  | 0           |
| 9728   | GO:0044207     | 1     | 0.99809026  | 0           |
| 9729   | GO:0044208     | 1     | 0.93962535  | 0           |
| 9730   | GO:0044209     | 1     | 0.995938564 | 0           |
| 9731   | GO:0044210     | 1     | 0.996001528 | 0           |
| 9732   | GO:0044211     | 1     | 0.99393754  | 0           |
| 9733   | GO:0044212     | 1     | 0.976293529 | 0           |
| 9734   | GO:0044216     | 1     | 0.998013388 | 0           |
| 9735   | GO:0044218     | 1     | 0.99798689  | 0           |
| 9736   | GO:0044224     | 1     | 0.980206797 | 0           |
| 9737   | GO:0044225     | 1     | 0.9979829   | 0           |
| 9738   | GO:0044228     | 1     | 0.99801218  | 0           |
| 9739   | GO:0044232     | 1     | 0.982101029 | 0           |
| 9740   | GO:0044233     | 1     | 0.962495595 | 0           |
| 9741   | GO:0044237     | 1     | 0.97616266  | 0           |
| 9742   | GO:0044241     | 1     | 0.993973878 | 0           |
| 9743   | GO:0044242     | 1     | 0.989949031 | 0           |
| 9744   | GO:0044245     | 1     | 0.99398529  | 0           |
| 9745   | GO:0044249     | 1     | 0.993976249 | 0           |
| 9746   | GO:0044255     | 1     | 0.960702706 | 0           |
| 9747   | GO:0044257     | 1     | 0.974252312 | 0           |
| 9748   | GO:0044258     | 1     | 0.997984899 | 0           |
| 9749   | GO:0044260     | 1     | 0.995972537 | 0           |
| 9750   | GO:0044262     | 1     | 0.993972694 | 0           |
| 9751   | GO:0044265     | 1     | 0.993992097 | 0           |
| 9752   | GO:0044267     | 1     | 0.771012722 | 0           |
| 9753   | GO:0044275     | 1     | 0.99797628  | 0           |
| 9754   | GO:0044284     | 1     | 0.997990564 | 0           |
| 9755   | GO:0044291     | 1     | 0.954923588 | 0           |
| 9756   | GO:0044292     | 1     | 0.989971211 | 0           |
| 9757   | GO:0044294     | 1     | 0.982185291 | 0           |
| 9758   | GO:0044295     | 1     | 0.939886736 | 0           |
| 9759   | GO:0044297     | 1     | 0.847672379 | 0           |
| 9760   | GO:0044298     | 1     | 0.996016688 | 0           |
| 9761   | GO:0044299     | 1     | 0.998013437 | 0           |
| ID   | GO:0044300  | 1   | 0.994042666 | 0 | 3 |
|------|-------------|-----|--------------|---|---|
| 9763 | GO:0044301  | 1   | 0.995984836 | 0 | 2 |
| 9764 | GO:0044302  | 1   | 0.997995231 | 0 | 1 |
| 9765 | GO:0044304  | 1   | 0.988059451 | 0 | 6 |
| 9766 | GO:0044305  | 1   | 0.964518818 | 0 | 18 |
| 9767 | GO:0044306  | 1   | 0.960624177 | 0 | 20 |
| 9768 | GO:0044307  | 1   | 0.99405187  | 0 | 3 |
| 9769 | GO:0044308  | 1   | 0.994050447 | 0 | 3 |
| 9770 | GO:0044309  | 1   | 0.988096682 | 0 | 6 |
| 9771 | GO:0044313  | 1   | 0.994043354 | 0 | 3 |
| 9772 | GO:0044314  | 1   | 0.989921347 | 0 | 5 |
| 9773 | GO:0044316  | 1   | 0.99596185  | 0 | 2 |
| 9774 | GO:0044319  | 1   | 0.97023347  | 0 | 15 |
| 9775 | GO:0044320  | 1   | 0.982124608 | 0 | 9 |
| 9776 | GO:0044321  | 1   | 0.982140423 | 0 | 9 |
| 9777 | GO:0044322  | 1   | 0.939513276 | 0 | 31 |
| 9778 | GO:0044323  | 1   | 0.992025697 | 0 | 4 |
| 9779 | GO:0044325  | 1   | 0.772953738 | 0 | 128 |
| 9780 | GO:0044326  | 1   | 0.986050927 | 0 | 7 |
| 9782 | GO:0044328  | 1   | 0.997990564 | 0 | 1 |
| 9783 | GO:0044329  | 1   | 0.997990564 | 0 | 1 |
| 9784 | GO:0044330  | 1   | 0.997990564 | 0 | 1 |
| 9785 | GO:0044331  | 1   | 0.984157714 | 0 | 8 |
| 9786 | GO:0044334  | 1   | 0.996011971 | 0 | 2 |
| 9787 | GO:0044335  | 1   | 0.998013437 | 0 | 1 |
| 9788 | GO:0044336  | 1   | 0.996016173 | 0 | 2 |
| 9789 | GO:0044338  | 1   | 0.993992546 | 0 | 3 |
| 9790 | GO:0044339  | 1   | 0.995984029 | 0 | 2 |
| 9791 | GO:0044340  | 1   | 0.996012103 | 0 | 2 |
| 9792 | GO:0044341  | 1   | 0.993984311 | 0 | 3 |
| 9793 | GO:0044342  | 1   | 0.982001537 | 0 | 9 |
| 9794 | GO:0044344  | 1   | 0.935843235 | 0 | 33 |
| 9795 | GO:0044345  | 1   | 0.998010994 | 0 | 1 |
| 9796 | GO:0044346  | 1   | 0.993991454 | 0 | 3 |
| 9797 | GO:0044351  | 1   | 0.986031927 | 0 | 7 |
| 9798 | GO:0044354  | 1   | 0.984102595 | 0 | 8 |
| 9799 | GO:0044355  | 1   | 0.997968826 | 0 | 1 |
| 9800 | GO:0044357  | 1   | 0.997975698 | 0 | 1 |
| 9801 | GO:0044375  | 1   | 0.993908821 | 0 | 3 |
| 9802 | GO:0044377  | 1   | 0.998004657 | 0 | 1 |
| 9803 | GO:0044378  | 1   | 0.995986632 | 0 | 2 |
| 9804 | GO:0044380  | 1   | 0.998013424 | 0 | 1 |
| 9805 | GO:0044381  | 1   | 0.992014005 | 0 | 4 |
| 9806 | GO:0044387  | 1   | 0.986053857 | 0 | 7 |
| 9807 | GO:0044388  | 1   | 0.9899076  | 0 | 5 |
| GO ID       | Statistical Tests | p-value | Fisher's Exact Test | Two-sample T-test | Mann-Whitney-U Test |
|------------|--------------------|---------|---------------------|-------------------|---------------------|
| GO:0044390 | 1                  | 0.985947368 | 0                   | 7                 |
| GO:0044393 | 1                  | 0.992029794 | 0                   | 4                 |
| GO:0044406 | 1                  | 0.993989972 | 0                   | 3                 |
| GO:0044409 | 1                  | 0.993956868 | 0                   | 3                 |
| GO:0044458 | 1                  | 0.95280613  | 0                   | 24                |
| GO:0044466 | 1                  | 0.99593606  | 0                   | 2                 |
| GO:0044524 | 1                  | 0.997974251 | 0                   | 1                 |
| GO:0044528 | 1                  | 0.986025009 | 0                   | 7                 |
| GO:0044530 | 1                  | 0.994018212 | 0                   | 3                 |
| GO:0044539 | 1                  | 0.98408608  | 0                   | 8                 |
| GO:0044540 | 1                  | 0.99794251  | 0                   | 1                 |
| GO:0044545 | 1                  | 0.997967206 | 0                   | 2                 |
| GO:0044546 | 1                  | 0.987856746 | 0                   | 6                 |
| GO:0044549 | 1                  | 0.99803437  | 0                   | 1                 |
| GO:0044557 | 1                  | 0.99795466  | 0                   | 1                 |
| GO:0044565 | 1                  | 0.995967206 | 0                   | 2                 |
| GO:0044571 | 1                  | 0.997965466 | 0                   | 1                 |
| GO:0044580 | 1                  | 0.997965466 | 0                   | 1                 |
| GO:0044594 | 1                  | 0.971959892 | 0                   | 14                |
| GO:0044595 | 1                  | 0.997965466 | 0                   | 1                 |
| GO:0044596 | 1                  | 0.997965466 | 0                   | 1                 |
| GO:0044597 | 1                  | 0.98188786  | 0                   | 9                 |
| GO:0044598 | 1                  | 0.98188786  | 0                   | 9                 |
| GO:0044599 | 1                  | 0.99790564  | 0                   | 1                 |
| GO:0044602 | 1                  | 0.997972563 | 0                   | 1                 |
| GO:0044603 | 1                  | 0.997972563 | 0                   | 1                 |
| GO:0044609 | 1                  | 0.99795367  | 0                   | 2                 |
| GO:0044610 | 1                  | 0.997982916 | 0                   | 1                 |
| GO:0044611 | 1                  | 0.9940485   | 0                   | 3                 |
| GO:0044613 | 1                  | 0.985924333 | 0                   | 7                 |
| GO:0044614 | 1                  | 0.994011416 | 0                   | 3                 |
| GO:0044615 | 1                  | 0.976104559 | 0                   | 12                |
| GO:0044648 | 1                  | 0.98036742  | 0                   | 6                 |
| GO:0044650 | 1                  | 0.99799404  | 0                   | 1                 |
| GO:0044666 | 1                  | 0.974197644 | 0                   | 13                |
| GO:0044691 | 1                  | 0.98605715  | 0                   | 7                 |
| GO:0044715 | 1                  | 0.9959386   | 0                   | 2                 |
| GO:0044716 | 1                  | 0.9959386   | 0                   | 2                 |
| GO:0044717 | 1                  | 0.99797021  | 0                   | 1                 |
| GO:0044721 | 1                  | 0.99797399  | 0                   | 1                 |
| GO:0044726 | 1                  | 0.997960952 | 0                   | 1                 |
| GO:0044727 | 1                  | 0.996007903 | 0                   | 2                 |
| GO:0044729 | 1                  | 0.996007792 | 0                   | 2                 |
| GO          | Count | Similarity Score | P-value | FDR-corrected P-value |
|-------------|-------|------------------|---------|-----------------------|
| GO:0044730  | 1     | 0.997972358      | 0       | 1                     |
| GO:0044736  | 1     | 0.995985075      | 0       | 2                     |
| GO:0044753  | 1     | 0.96010213       | 0       | 2                     |
| GO:0044754  | 1     | 0.978088189      | 0       | 11                    |
| GO:0044770  | 1     | 0.988054472      | 0       | 6                     |
| GO:0044772  | 1     | 0.956693329      | 0       | 22                    |
| GO:0044773  | 1     | 0.993950925      | 0       | 3                     |
| GO:0044774  | 1     | 0.997981138      | 0       | 1                     |
| GO:0044778  | 1     | 0.995945719      | 0       | 2                     |
| GO:0044779  | 1     | 0.997998262      | 0       | 1                     |
| GO:0044782  | 1     | 0.950933138      | 0       | 25                    |
| GO:0044783  | 1     | 0.98000642       | 0       | 1                     |
| GO:0044788  | 1     | 0.997979166      | 0       | 1                     |
| GO:0044790  | 1     | 0.998003949      | 0       | 1                     |
| GO:0044791  | 1     | 0.990059143      | 0       | 5                     |
| GO:0044793  | 1     | 0.997984615      | 0       | 1                     |
| GO:0044794  | 1     | 0.984023983      | 0       | 8                     |
| GO:0044795  | 1     | 0.99763344       | 0       | 1                     |
| GO:0044803  | 1     | 0.994045699      | 0       | 3                     |
| GO:0044804  | 1     | 0.986010264      | 0       | 7                     |
| GO:0044805  | 1     | 0.990094806      | 0       | 5                     |
| GO:0044806  | 1     | 0.986142785      | 0       | 7                     |
| GO:0044818  | 1     | 0.988030843      | 0       | 6                     |
| GO:0044819  | 1     | 0.995979059      | 0       | 2                     |
| GO:0044828  | 1     | 0.986087365      | 0       | 7                     |
| GO:0044829  | 1     | 0.984096068      | 0       | 8                     |
| GO:0044830  | 1     | 0.992006562      | 0       | 4                     |
| GO:0044839  | 1     | 0.995986713      | 0       | 2                     |
| GO:0044843  | 1     | 0.99597918       | 0       | 2                     |
| GO:0044849  | 1     | 0.968314318      | 0       | 16                    |
| GO:0044853  | 1     | 0.947265566      | 0       | 27                    |
| GO:0044854  | 1     | 0.997975836      | 0       | 1                     |
| GO:0044855  | 1     | 0.998012965      | 0       | 1                     |
| GO:0044857  | 1     | 0.993987735      | 0       | 3                     |
| GO:0044860  | 1     | 0.995982004      | 0       | 2                     |
| GO:0044861  | 1     | 0.997976578      | 0       | 1                     |
| GO:0044873  | 1     | 0.998013437      | 0       | 1                     |
| GO:0044877  | 1     | 0.457935459      | 0       | 385                   |
| GO:0044878  | 1     | 0.991929592      | 0       | 4                     |
| GO:0045002  | 1     | 0.99789425       | 0       | 1                     |
| GO:0045003  | 1     | 0.994005687      | 0       | 3                     |
| GO:0045004  | 1     | 0.996018569      | 0       | 2                     |
| GO:0045006  | 1     | 0.991879028      | 0       | 4                     |
| GO:0045007  | 1     | 0.952778916      | 0       | 24                    |
| 9950 GO:0045113 | 1 | 0.997951655 | 0 | 1 |
| 9951 GO:0045116 | 1 | 0.976036021 | 0 | 12 |
| 9952 GO:0045117 | 1 | 0.995969534 | 0 | 2 |
| 9953 GO:0045120 | 1 | 0.98997245 | 0 | 5 |
| 9954 GO:0045121 | 1 | 0.629932922 | 0 | 229 |
| 9955 GO:0045123 | 1 | 0.989950534 | 0 | 5 |
| 9956 GO:0045124 | 1 | 0.982106638 | 0 | 9 |
| 9957 GO:0045125 | 1 | 0.995927962 | 0 | 2 |
| 9958 GO:0045127 | 1 | 0.997971268 | 0 | 1 |
| 9959 GO:0045130 | 1 | 0.997989999 | 0 | 1 |
| 9960 GO:0045131 | 1 | 0.997994113 | 0 | 1 |
| 9961 GO:0045132 | 1 | 0.990019873 | 0 | 5 |
| 9962 GO:0045134 | 1 | 0.982084832 | 0 | 9 |
| 9963 GO:0045136 | 1 | 0.995969732 | 0 | 2 |
| 9964 GO:0045137 | 1 | 0.997989278 | 0 | 1 |
| 9965 GO:0045141 | 1 | 0.986035681 | 0 | 7 |
| 9966 GO:0045142 | 1 | 0.996022641 | 0 | 2 |
| 9967 GO:0045143 | 1 | 0.985951614 | 0 | 7 |
| 9968 GO:0045145 | 1 | 0.991972782 | 0 | 4 |
| 9969 GO:0045148 | 1 | 0.997979825 | 0 | 1 |
| 9970 GO:0045159 | 1 | 0.980202388 | 0 | 10 |
| 9971 GO:0045161 | 1 | 0.995961228 | 0 | 2 |
| 9972 GO:0045162 | 1 | 0.990087401 | 0 | 5 |
| 9973 GO:0045163 | 1 | 0.994023871 | 0 | 3 |
| 9974 GO:0045165 | 1 | 0.893453667 | 0 | 56 |
| 9975 GO:0045167 | 1 | 0.997973698 | 0 | 1 |
| 9976 GO:0045171 | 1 | 0.863270729 | 0 | 73 |
| 9977 GO:0045174 | 1 | 0.995929731 | 0 | 2 |
| 9978 GO:0045175 | 1 | 0.997990564 | 0 | 1 |
| 9979 GO:0045176 | 1 | 0.970404841 | 0 | 15 |
| 9980 GO:0045177 | 1 | 0.843089842 | 0 | 85 |
| 9981 GO:0045178 | 1 | 0.976204131 | 0 | 12 |
| 9982 GO:0045179 | 1 | 0.984000372 | 0 | 8 |
| 9983 GO:0045180 | 1 | 0.990105214 | 0 | 5 |
| 9984 GO:0045182 | 1 | 0.956782222 | 0 | 22 |
| 9985 GO:0045183 | 1 | 0.997990564 | 0 | 1 |
| 9986 GO:0045184 | 1 | 0.921076746 | 0 | 41 |
| 9987 GO:0045185 | 1 | 0.996017108 | 0 | 2 |
| 9988 GO:0045186 | 1 | 0.998013437 | 0 | 1 |
| 9989 GO:0045187 | 1 | 0.989928437 | 0 | 5 |
| 9990 GO:0045188 | 1 | 0.997980594 | 0 | 1 |
| 9991 GO:0045190 | 1 | 0.97224965 | 0 | 14 |
| 9992 GO:0045191 | 1 | 0.995989579 | 0 | 2 |
| 9993 GO:0045197 | 1 | 0.96609475 | 0 | 17 |
| 9994 GO:0045198 | 1 | 0.972272584 | 0 | 14 |
| GO   | Description | Value1   | Value2 | Value3 |
|------|-------------|----------|--------|--------|
| GO:0045199 | 1 | 0.980084727 | 0 | 10 |
| GO:0045200 | 1 | 0.994012749 | 0 | 3 |
| GO:0045202 | 1 | 0.239651666 | 0 | 701 |
| GO:0045204 | 1 | 0.996018677 | 0 | 2 |
| GO:0045209 | 1 | 0.998002594 | 0 | 1 |
| GO:0045210 | 1 | 0.998013437 | 0 | 1 |
| GO:0045211 | 1 | 0.716107347 | 0 | 166 |
| GO:0045213 | 1 | 0.99398177 | 0 | 3 |
| GO:0045214 | 1 | 0.937622321 | 0 | 32 |
| GO:0045216 | 1 | 0.949213939 | 0 | 26 |
| GO:0045217 | 1 | 0.988026139 | 0 | 6 |
| GO:0045218 | 1 | 0.994014715 | 0 | 3 |
| GO:0045221 | 1 | 0.998013384 | 0 | 1 |
| GO:0045225 | 1 | 0.97963383 | 0 | 1 |
| GO:0045226 | 1 | 0.995991955 | 0 | 2 |
| GO:0045234 | 1 | 0.97974974 | 0 | 1 |
| GO:0045237 | 1 | 0.997998423 | 0 | 1 |
| GO:0045239 | 1 | 0.997975078 | 0 | 1 |
| GO:0045244 | 1 | 0.997984362 | 0 | 1 |
| GO:0045252 | 1 | 0.990043344 | 0 | 5 |
| GO:0045254 | 1 | 0.990012139 | 0 | 5 |
| GO:0045259 | 1 | 0.95985075 | 0 | 2 |
| GO:0045261 | 1 | 0.988002428 | 0 | 6 |
| GO:0045263 | 1 | 0.972224266 | 0 | 14 |
| GO:0045271 | 1 | 0.997970759 | 0 | 1 |
| GO:0045273 | 1 | 0.997963149 | 0 | 1 |
| GO:0045275 | 1 | 0.997990564 | 0 | 1 |
| GO:0045277 | 1 | 0.981881203 | 0 | 9 |
| GO:0045281 | 1 | 0.99799003 | 0 | 1 |
| GO:0045292 | 1 | 0.97420841 | 0 | 13 |
| GO:0045294 | 1 | 0.978229193 | 0 | 11 |
| GO:0045295 | 1 | 0.976384805 | 0 | 12 |
| GO:0045298 | 1 | 0.99601819 | 0 | 2 |
| GO:0045309 | 1 | 0.993990754 | 0 | 3 |
| GO:0045321 | 1 | 0.989925921 | 0 | 5 |
| GO:0045322 | 1 | 0.984118225 | 0 | 8 |
| GO:0045324 | 1 | 0.984021757 | 0 | 8 |
| GO:0045329 | 1 | 0.989969609 | 0 | 5 |
| GO:0045332 | 1 | 0.953297227 | 0 | 24 |
| GO:0045333 | 1 | 0.970368854 | 0 | 15 |
| GO:0045334 | 1 | 0.960610803 | 0 | 20 |
| GO:0045335 | 1 | 0.861714281 | 0 | 74 |
| GO:0045337 | 1 | 0.995965062 | 0 | 2 |
| GO:0045338 | 1 | 0.997980382 | 0 | 1 |
| GO:0045340 | 1 | 0.993927411 | 0 | 3 |
| GO:0045342 | 1 | 0.998006135 | 0 | 1 |
| GO:0045343 | 1 | 0.997956978 | 0 | 1 |
| GO:0045344 | 1 | 0.997983315 | 0 | 1 |
| GO:0045345 | 1 | 0.990055135 | 0 | 5 |
| GO:0045347 | 1 | 0.991994974 | 0 | 4 |
| GO:0045348 | 1 | 0.982072006 | 0 | 9 |
| GO:0045352 | 1 | 0.997974904 | 0 | 1 |
| GO:0045353 | 1 | 0.997974904 | 0 | 1 |
| GO:0045428 | 1 | 0.986119586 | 0 | 7 |
| GO:0045429 | 1 | 0.92825124 | 0 | 37 |
| GO:0045444 | 1 | 0.998013437 | 0 | 1 |
| GO:0045445 | 1 | 0.998013437 | 0 | 1 |
| GO:0045471 | 1 | 0.97819063 | 0 | 11 |
| GO:0045472 | 1 | 0.921125999 | 0 | 41 |
| GO:0045494 | 1 | 0.97968714 | 0 | 1 |
| GO:0045495 | 1 | 0.97968714 | 0 | 1 |
| GO:0045499 | 1 | 0.99389215 | 0 | 26 |
| GO:0045503 | 1 | 0.980115212 | 0 | 10 |
| GO:0045504 | 1 | 0.980115212 | 0 | 13 |
| GO:0045505 | 1 | 0.94544286 | 0 | 28 |
| GO:0045509 | 1 | 0.995999656 | 0 | 2 |
| GO:0045513 | 1 | 0.997968714 | 0 | 1 |
| GO:0045515 | 1 | 0.997963149 | 0 | 1 |
| GO:0045519 | 1 | 0.997961071 | 0 | 1 |
| GO:0045524 | 1 | 0.998946461 | 0 | 5 |
| GO:0045528 | 1 | 0.988080555 | 0 | 6 |
| GO:0045530 | 1 | 0.988080555 | 0 | 6 |
| GO:0045531 | 1 | 0.96015155 | 0 | 2 |
| GO:0045550 | 1 | 0.995940417 | 0 | 2 |
| GO:0045559 | 1 | 0.98966597 | 0 | 5 |
| GO:0045569 | 1 | 0.991929984 | 0 | 4 |
| GO:0045577 | 1 | 0.984084053 | 0 | 8 |
| GO:0045578 | 1 | 0.991951879 | 0 | 4 |
| GO:0045579 | 1 | 0.976174695 | 0 | 12 |
| GO:0045580 | 1 | 0.974210971 | 0 | 13 |
| GO:0045581 | 1 | 0.989908043 | 0 | 5 |
| GO:0045582 | 1 | 0.970199916 | 0 | 15 |
| GO:0045584 | 1 | 0.997980063 | 0 | 1 |
| GO:0045585 | 1 | 0.995979974 | 0 | 2 |
| GO:0045586 | 1 | 0.994022101 | 0 | 3 |
| GO:0045588 | 1 | 0.986149383 | 0 | 7 |
| ID  | GO:0045589 | 1   | 0.974259474 | 0   | 13  |
|-----|-------------|-----|--------------|-----|-----|
| 10088 | GO:0045590 | 1   | 0.991964493 | 0   | 4   |
| 10089 | GO:0045591 | 1   | 0.976119143 | 0   | 12  |
| 10090 | GO:0045595 | 1   | 0.917279308 | 0   | 43  |
| 10091 | GO:0045596 | 1   | 0.9682767   | 0   | 16  |
| 10092 | GO:0045598 | 1   | 0.915418549 | 0   | 44  |
| 10094 | GO:0045599 | 1   | 0.917110542 | 0   | 43  |
| 10096 | GO:0045600 | 1   | 0.988083489 | 0   | 6   |
| 10099 | GO:0045602 | 1   | 0.978100543 | 0   | 11  |
| 10100 | GO:0045603 | 1   | 0.991981906 | 0   | 4   |
| 10101 | GO:0045605 | 1   | 0.995991715 | 0   | 2   |
| 10102 | GO:0045606 | 1   | 0.987977312 | 0   | 6   |
| 10103 | GO:0045607 | 1   | 0.992005036 | 0   | 4   |
| 10104 | GO:0045608 | 1   | 0.991971394 | 0   | 4   |
| 10105 | GO:0045616 | 1   | 0.968424226 | 0   | 16  |
| 10106 | GO:0045617 | 1   | 0.992009965 | 0   | 4   |
| 10107 | GO:0045618 | 1   | 0.966429297 | 0   | 17  |
| 10108 | GO:0045619 | 1   | 0.995990292 | 0   | 2   |
| 10109 | GO:0045620 | 1   | 0.997977911 | 0   | 1   |
| 10110 | GO:0045621 | 1   | 0.990065514 | 0   | 5   |
| 10111 | GO:0045622 | 1   | 0.993953427 | 0   | 3   |
| 10112 | GO:0045623 | 1   | 0.998013437 | 0   | 1   |
| 10113 | GO:0045624 | 1   | 0.997999172 | 0   | 1   |
| 10114 | GO:0045626 | 1   | 0.99401154  | 0   | 3   |
| 10115 | GO:0045627 | 1   | 0.991944882 | 0   | 4   |
| 10116 | GO:0045629 | 1   | 0.993993051 | 0   | 3   |
| 10117 | GO:0045630 | 1   | 0.9860119   | 0   | 7   |
| 10118 | GO:0045634 | 1   | 0.997971666 | 0   | 1   |
| 10119 | GO:0045636 | 1   | 0.994044362 | 0   | 3   |
| 10120 | GO:0045637 | 1   | 0.978186317 | 0   | 11  |
| 10121 | GO:0045638 | 1   | 0.970325469 | 0   | 15  |
| 10122 | GO:0045639 | 1   | 0.991994552 | 0   | 4   |
| 10123 | GO:0045645 | 1   | 0.998003371 | 0   | 1   |
| 10124 | GO:0045646 | 1   | 0.989982226 | 0   | 5   |
| 10125 | GO:0045647 | 1   | 0.986051403 | 0   | 7   |
| 10127 | GO:0045650 | 1   | 0.989984787 | 0   | 5   |
| 10128 | GO:0045651 | 1   | 0.974210375 | 0   | 13  |
| 10129 | GO:0045652 | 1   | 0.875679743 | 0   | 66  |
| 10130 | GO:0045653 | 1   | 0.966341908 | 0   | 17  |
| 10131 | GO:0045654 | 1   | 0.982028253 | 0   | 9   |
| 10133 | GO:0045656 | 1   | 0.990051275 | 0   | 5   |
| 10134 | GO:0045657 | 1   | 0.980050014 | 0   | 10  |
| 10135 | GO:0045659 | 1   | 0.996019783 | 0   | 2   |
| GeneID | GO ID | Score | FDR | PDBID |
|-------|-------|-------|-----|-------|
| 10136 | GO:0045660 | 1 | 0.99797847 | 0 | 1 |
| 10137 | GO:0045661 | 1 | 0.989990624 | 0 | 5 |
| 10139 | GO:0045663 | 1 | 0.96456184 | 0 | 18 |
| 10140 | GO:0045664 | 1 | 0.947209732 | 0 | 27 |
| 10141 | GO:0045665 | 1 | 0.9063864 | 0 | 49 |
| 10142 | GO:0045666 | 1 | 0.868738299 | 0 | 70 |
| 10143 | GO:0045667 | 1 | 0.97036283 | 0 | 15 |
| 10144 | GO:0045668 | 1 | 0.928544312 | 0 | 37 |
| 10145 | GO:0045669 | 1 | 0.886419419 | 0 | 60 |
| 10146 | GO:0045670 | 1 | 0.974193992 | 0 | 13 |
| 10147 | GO:0045671 | 1 | 0.958746672 | 0 | 21 |
| 10148 | GO:0045672 | 1 | 0.972201805 | 0 | 14 |
| 10149 | GO:0045673 | 1 | 0.99178432 | 0 | 4 |
| 10150 | GO:0045674 | 1 | 0.98998299 | 0 | 5 |
| 10151 | GO:0045675 | 1 | 0.998013437 | 0 | 1 |
| 10152 | GO:0045676 | 1 | 0.99595709 | 0 | 2 |
| 10153 | GO:0045677 | 1 | 0.99793092 | 0 | 4 |
| 10154 | GO:0045678 | 1 | 0.99794698 | 0 | 1 |
| 10155 | GO:0045679 | 1 | 0.97809311 | 0 | 11 |
| 10156 | GO:0045680 | 1 | 0.986101999 | 0 | 7 |
| 10157 | GO:0045681 | 1 | 0.99594415 | 0 | 2 |
| 10158 | GO:0045682 | 1 | 0.97035522 | 0 | 15 |
| 10159 | GO:0045683 | 1 | 0.974281969 | 0 | 13 |
| 10160 | GO:0045684 | 1 | 0.98003352 | 0 | 10 |
| 10161 | GO:0045685 | 1 | 0.970372311 | 0 | 15 |
| 10162 | GO:0045686 | 1 | 0.972431303 | 0 | 14 |
| 10163 | GO:0045687 | 1 | 0.99405991 | 0 | 3 |
| 10164 | GO:0045688 | 1 | 0.858052846 | 0 | 76 |
| 10165 | GO:0045689 | 1 | 0.993974207 | 0 | 3 |
| 10166 | GO:0045690 | 1 | 0.976018283 | 0 | 12 |
| 10167 | GO:0045691 | 1 | 0.863526189 | 0 | 73 |
| 10168 | GO:0045692 | 1 | 0.943325333 | 0 | 29 |
| 10169 | GO:0045693 | 1 | 0.943284011 | 0 | 29 |
| 10170 | GO:0045694 | 1 | 0.997957079 | 0 | 1 |
| 10171 | GO:0045695 | 1 | 0.937627151 | 0 | 32 |
| 10172 | GO:0045696 | 1 | 0.943307736 | 0 | 29 |
| 10173 | GO:0045697 | 1 | 0.974177008 | 0 | 13 |
| 10174 | GO:0045698 | 1 | 0.954853942 | 0 | 23 |
| 10175 | GO:0045699 | 1 | 0.984066473 | 0 | 8 |
| 10176 | GO:0045700 | 1 | 0.974168564 | 0 | 13 |
| 10177 | GO:0045701 | 1 | 0.976070217 | 0 | 12 |
| 10178 | GO:0045702 | 1 | 0.933874238 | 0 | 34 |
| 10179 | GO:0045703 | 1 | 0.908157697 | 0 | 48 |
| 10180 | GO:0045704 | 1 | 0.997997982 | 0 | 1 |
| 10181 | GO:0045705 | 1 | 0.991994139 | 0 | 4 |
| GO:0045760 | 0.994018273 | 0 | 3 |
| GO:0045761 | 0.993977082 | 0 | 3 |
| GO:0045762 | 0.982128211 | 0 | 9 |
| GO:0045763 | 0.997980773 | 0 | 1 |
| GO:0045764 | 0.998004561 | 0 | 1 |
| GO:0045765 | 0.99676101 | 0 | 31 |
| GO:0045766 | 0.772680965 | 0 | 128 |
| GO:0045769 | 0.998013437 | 0 | 1 |
| GO:0045773 | 0.936032118 | 0 | 33 |
| GO:0045776 | 0.954825661 | 0 | 23 |
| GO:0045778 | 0.876253998 | 0 | 12 |
| GO:0045779 | 0.97216697 | 0 | 14 |
| GO:0045780 | 0.966450445 | 0 | 17 |
| GO:0045785 | 0.90968035 | 0 | 47 |
| GO:0045786 | 0.909691037 | 0 | 47 |
| GO:0045787 | 0.924596021 | 0 | 39 |
| GO:0045789 | 0.98208385 | 0 | 9 |
| GO:0045790 | 0.978150447 | 0 | 11 |
| GO:0045794 | 0.990082203 | 0 | 5 |
| GO:0045795 | 0.998012887 | 0 | 1 |
| GO:0045796 | 0.997989301 | 0 | 1 |
| GO:0045797 | 0.998013437 | 0 | 1 |
| GO:0045798 | 0.970377042 | 0 | 15 |
| GO:0045799 | 0.978150447 | 0 | 1 |
| GO:0045800 | 0.990082203 | 0 | 5 |
| GO:0045801 | 0.990082203 | 0 | 5 |
| GO:0045807 | 0.990082203 | 0 | 5 |
| GO:0045808 | 0.990082203 | 0 | 5 |
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| GO:0045810 | 0.990082203 | 0 | 5 |
| GO:0045811 | 0.990082203 | 0 | 5 |
| GO:0045812 | 0.990082203 | 0 | 5 |
| GO:0045813 | 0.990082203 | 0 | 5 |
| GO:0045814 | 0.990082203 | 0 | 5 |
| GO:0045815 | 0.990082203 | 0 | 5 |
| GO:0045816 | 0.990082203 | 0 | 5 |
| GO:0045817 | 0.990082203 | 0 | 5 |
| GO:0045818 | 0.990082203 | 0 | 5 |
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|-----------|-----------|-------|---------|-------------|
| 10228     | GO:0045842| 1     | 0.976172954 | 12          |
| 10229     | GO:0045843| 1     | 0.991946086  | 4           |
| 10230     | GO:0045844| 1     | 0.997990564  | 1           |
| 10231     | GO:0045851| 1     | 0.991939472  | 4           |
| 10232     | GO:0045852| 1     | 0.998012817  | 1           |
| 10233     | GO:0045859| 1     | 0.948970771  | 26          |
| 10234     | GO:0045860| 1     | 0.893534871  | 56          |
| 10235     | GO:0045861| 1     | 0.956558702  | 22          |
| 10236     | GO:0045862| 1     | 0.960588819  | 20          |
| 10237     | GO:0045869| 1     | 0.968273927  | 16          |
| 10238     | GO:0045870| 1     | 0.99603051   | 2           |
| 10239     | GO:0045875| 1     | 0.996007903  | 2           |
| 10240     | GO:0045876| 1     | 0.992013559  | 4           |
| 10241     | GO:0045879| 1     | 0.947384822  | 27          |
| 10242     | GO:0045880| 1     | 0.932218895  | 35          |
| 10243     | GO:0045887| 1     | 0.998013437  | 1           |
| 10244     | GO:0045892| 1     | 0.342075804  | 528         |
| 10246     | GO:0045898| 1     | 0.998011936  | 1           |
| 10247     | GO:0045899| 1     | 0.980036896  | 10          |
| 10248     | GO:0045900| 1     | 0.997970841  | 1           |
| 10249     | GO:0045901| 1     | 0.992003202  | 4           |
| 10250     | GO:0045903| 1     | 0.991949187  | 4           |
| 10251     | GO:0045905| 1     | 0.991996844  | 4           |
| 10252     | GO:0045906| 1     | 0.992004232  | 4           |
| 10253     | GO:0045907| 1     | 0.949062266  | 26          |
| 10254     | GO:0045910| 1     | 0.970369265  | 15          |
| 10255     | GO:0045911| 1     | 0.997984252  | 1           |
| 10256     | GO:0045916| 1     | 0.992014571  | 4           |
| 10257     | GO:0045917| 1     | 0.995949576  | 2           |
| 10258     | GO:0045918| 1     | 0.998013437  | 1           |
| 10259     | GO:0045920| 1     | 0.989948234  | 5           |
| 10260     | GO:0045921| 1     | 0.954890303  | 23          |
| 10261     | GO:0045922| 1     | 0.987998961  | 6           |
| 10262     | GO:0045923| 1     | 0.992026484  | 4           |
| 10263     | GO:0045924| 1     | 0.997984599  | 1           |
| 10264     | GO:0045925| 1     | 0.996002728  | 2           |
| 10265     | GO:0045926| 1     | 0.9680637    | 16          |
| 10266     | GO:0045927| 1     | 0.988012486  | 6           |
| 10267     | GO:0045930| 1     | 0.945305806  | 28          |
| 10268     | GO:0045931| 1     | 0.939765257  | 31          |
| 10269     | GO:0045932| 1     | 0.997960438  | 1           |
| 10270     | GO:0045933| 1     | 0.997975544  | 1           |
| 10271     | GO:0045938| 1     | 0.997987608  | 1           |
| 10272     | GO:0045939| 1     | 0.995973341  | 2           |
| 10273     | GO:0045940| 1     | 0.997968397  | 1           |
| GO:0045943 | 1 | 0.974295322 | 0 | 13 |
| GO:0045945 | 1 | 0.978195306 | 0 | 11 |
| GO:0045947 | 1 | 0.97236296 | 0 | 14 |
| GO:0045948 | 1 | 0.970289142 | 0 | 15 |
| GO:0045950 | 1 | 0.993978304 | 0 | 3 |
| GO:0045951 | 1 | 0.997981276 | 0 | 1 |
| GO:0045953 | 1 | 0.98194413 | 0 | 9 |
| GO:0045954 | 1 | 0.964413907 | 0 | 18 |
| GO:0045955 | 1 | 0.984083817 | 0 | 8 |
| GO:0045956 | 1 | 0.97296861 | 0 | 14 |
| GO:0045957 | 1 | 0.995997004 | 0 | 2 |
| GO:0045959 | 1 | 0.991958746 | 0 | 4 |
| GO:0045963 | 1 | 0.99200926 | 0 | 4 |
| GO:0045964 | 1 | 0.991986568 | 0 | 4 |
| GO:0045967 | 1 | 0.994040553 | 0 | 3 |
| GO:0045975 | 1 | 0.9979977348 | 0 | 1 |
| GO:0045976 | 1 | 0.996012335 | 0 | 4 |
| GO:0045977 | 1 | 0.997968974 | 0 | 1 |
| GO:0045978 | 1 | 0.997959405 | 0 | 1 |
| GO:0045980 | 1 | 0.992032335 | 0 | 4 |
| GO:0045983 | 1 | 0.99200926 | 0 | 4 |
| GO:0045986 | 1 | 0.994017777 | 0 | 3 |
| GO:0045987 | 1 | 0.996005628 | 0 | 2 |
| GO:0045988 | 1 | 0.997974982 | 0 | 1 |
| GO:0045989 | 1 | 0.998013437 | 0 | 1 |
| GO:0045990 | 1 | 0.998011029 | 0 | 1 |
| GO:0045991 | 1 | 0.997972866 | 0 | 1 |
| GO:0045992 | 1 | 0.960718693 | 0 | 20 |
| GO:0045993 | 1 | 0.997977348 | 0 | 1 |
| GO:0045994 | 1 | 0.974202057 | 0 | 13 |
| GO:0045995 | 1 | 0.974202057 | 0 | 13 |
| GO:0045996 | 1 | 0.997954504 | 0 | 1 |
| GO:0045997 | 1 | 0.995967268 | 0 | 2 |
| GO:0045998 | 1 | 0.997973009 | 0 | 1 |
| GO:0045999 | 1 | 0.998010126 | 0 | 1 |
| GO:0046000 | 1 | 0.997977701 | 0 | 1 |
| GO:0046001 | 1 | 0.997962143 | 0 | 1 |
| GO:0046002 | 1 | 0.995982556 | 0 | 2 |
| GO:0046003 | 1 | 0.986028324 | 0 | 7 |
| GO:0046004 | 1 | 0.935815214 | 0 | 33 |
| GO:0046005 | 1 | 0.997993327 | 0 | 1 |
| GO:0046006 | 1 | 0.980156085 | 0 | 10 |
| GO:0046007 | 1 | 0.994006876 | 0 | 3 |
| GO:0046008 | 1 | 0.974282264 | 0 | 13 |
| GO:0046009 | 1 | 0.991986407 | 0 | 4 |
| GO:0046010 | 1 | 0.997988836 | 0 | 1 |
| ID   | GO:0046050 | 1 | 0.989931123 | 0 | 5 |
|------|------------|---|-------------|---|---|
| ID   | GO:0046051 | 1 | 0.99788836  | 0 | 1 |
| ID   | GO:0046052 | 1 | 0.998013437 | 0 | 1 |
| ID   | GO:0046054 | 1 | 0.997960081 | 0 | 1 |
| ID   | GO:0046055 | 1 | 0.993997675 | 0 | 3 |
| ID   | GO:0046057 | 1 | 0.99797021  | 0 | 1 |
| ID   | GO:0046058 | 1 | 0.995982613 | 0 | 2 |
| ID   | GO:0046059 | 1 | 0.995959831 | 0 | 2 |
| ID   | GO:0046060 | 1 | 0.997960081 | 0 | 1 |
| ID   | GO:0046061 | 1 | 0.995971934 | 0 | 2 |
| ID   | GO:0046067 | 1 | 0.99797021  | 0 | 1 |
| ID   | GO:0046068 | 1 | 0.99992868  | 0 | 2 |
| ID   | GO:0046069 | 1 | 0.90032932  | 0 | 5 |
| ID   | GO:0046070 | 1 | 0.997960497 | 0 | 1 |
| ID   | GO:0046074 | 1 | 0.993919354 | 0 | 3 |
| ID   | GO:0046079 | 1 | 0.987922518 | 0 | 6 |
| ID   | GO:0046081 | 1 | 0.997976468 | 0 | 1 |
| ID   | GO:0046083 | 1 | 0.995927396 | 0 | 2 |
| ID   | GO:0046084 | 1 | 0.99800955  | 0 | 1 |
| ID   | GO:0046085 | 1 | 0.989995266 | 0 | 5 |
| ID   | GO:0046086 | 1 | 0.998008111 | 0 | 1 |
| ID   | GO:0046092 | 1 | 0.998012983 | 0 | 1 |
| ID   | GO:0046098 | 1 | 0.996012958 | 0 | 2 |
| ID   | GO:0046100 | 1 | 0.997968322 | 0 | 1 |
| ID   | GO:0046101 | 1 | 0.995955741 | 0 | 2 |
| ID   | GO:0046103 | 1 | 0.99396076  | 0 | 3 |
| ID   | GO:0046104 | 1 | 0.995988551 | 0 | 2 |
| ID   | GO:0046105 | 1 | 0.995957538 | 0 | 2 |
| ID   | GO:0046108 | 1 | 0.995964646 | 0 | 2 |
| ID   | GO:0046111 | 1 | 0.997970558 | 0 | 1 |
| ID   | GO:0046121 | 1 | 0.997973945 | 0 | 1 |
| ID   | GO:0046122 | 1 | 0.997960497 | 0 | 1 |
| ID   | GO:0046130 | 1 | 0.998011966 | 0 | 1 |
| ID   | GO:0046134 | 1 | 0.993994038 | 0 | 3 |
| ID   | GO:0046135 | 1 | 0.979997581 | 0 | 10|
| ID   | GO:0046146 | 1 | 0.981993553 | 0 | 9 |
| ID   | GO:0046164 | 1 | 0.997978287 | 0 | 1 |
| ID   | GO:0046166 | 1 | 0.995953545 | 0 | 2 |
| ID   | GO:0046167 | 1 | 0.996020987 | 0 | 2 |
| ID   | GO:0046168 | 1 | 0.996003077 | 0 | 2 |
| ID   | GO:0046177 | 1 | 0.995972204 | 0 | 2 |
| ID   | GO:0046185 | 1 | 0.99596494  | 0 | 2 |
| ID   | GO:0046203 | 1 | 0.997973416 | 0 | 1 |
| ID   | GO:0046204 | 1 | 0.997959564 | 0 | 1 |
| ID   | GO:0046208 | 1 | 0.995957234 | 0 | 2 |
| ID     | GO             | Value | Count | Weight |
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| 10365  | GO:0046209     | 0.994 | 0     | 3      |
| 10366  | GO:0046210     | 0.997 | 0     | 1      |
| 10367  | GO:0046219     | 0.989 | 0     | 5      |
| 10368  | GO:0046222     | 0.973 | 0     | 13     |
| 10369  | GO:0046223     | 0.959 | 0     | 2      |
| 10370  | GO:0046226     | 0.959 | 0     | 2      |
| 10371  | GO:0046272     | 0.977 | 0     | 1      |
| 10372  | GO:0046293     | 0.980 | 0     | 1      |
| 10373  | GO:0046294     | 0.993 | 0     | 3      |
| 10374  | GO:0046295     | 0.979 | 0     | 1      |
| 10375  | GO:0046314     | 0.989 | 0     | 5      |
| 10376  | GO:0046316     | 0.979 | 0     | 1      |
| 10377  | GO:0046318     | 0.980 | 0     | 1      |
| 10378  | GO:0046320     | 0.989 | 0     | 5      |
| 10379  | GO:0046321     | 0.988 | 0     | 6      |
| 10380  | GO:0046322     | 0.986 | 0     | 7      |
| 10381  | GO:0046323     | 0.988 | 0     | 6      |
| 10382  | GO:0046324     | 0.986 | 0     | 7      |
| 10383  | GO:0046325     | 0.976 | 0     | 12     |
| 10384  | GO:0046326     | 0.936 | 0     | 33     |
| 10385  | GO:0046327     | 0.978 | 0     | 1      |
| 10386  | GO:0046328     | 0.964 | 0     | 18     |
| 10387  | GO:0046329     | 0.947 | 0     | 27     |
| 10388  | GO:0046330     | 0.846 | 0     | 83     |
| 10389  | GO:0046331     | 0.939 | 0     | 3      |
| 10390  | GO:0046332     | 0.903 | 0     | 51     |
| 10391  | GO:0046337     | 0.991 | 0     | 4      |
| 10392  | GO:0046338     | 0.994 | 0     | 3      |
| 10393  | GO:0046339     | 0.974 | 0     | 13     |
| 10394  | GO:0046340     | 0.996 | 0     | 2      |
| 10395  | GO:0046341     | 0.997 | 0     | 1      |
| 10396  | GO:0046356     | 0.995 | 0     | 2      |
| 10397  | GO:0046359     | 0.979 | 0     | 1      |
| 10398  | GO:0046360     | 0.979 | 0     | 1      |
| 10399  | GO:0046368     | 0.979 | 0     | 1      |
| 10400  | GO:0046370     | 0.959 | 0     | 2      |
| 10401  | GO:0046373     | 0.995 | 0     | 2      |
| 10402  | GO:0046380     | 0.998 | 0     | 1      |
| 10403  | GO:0046386     | 0.959 | 0     | 2      |
| 10404  | GO:0046390     | 0.995 | 0     | 2      |
| 10405  | GO:0046395     | 0.959 | 0     | 2      |
| 10406  | GO:0046398     | 0.998 | 0     | 1      |
| 10407  | GO:0046403     | 0.997 | 0     | 1      |
| 10408  | GO:0046404     | 0.993 | 0     | 3      |
| 10409  | GO:0046415     | 0.990 | 0     | 5      |
| GO:0046416 | 1 | 0.997972026 | 0 | 1 |
| GO:0046425 | 1 | 0.980121943 | 0 | 10 |
| GO:0046426 | 1 | 0.97225632 | 0 | 14 |
| GO:0046427 | 1 | 0.956660651 | 0 | 22 |
| GO:0046434 | 1 | 0.997974417 | 0 | 1 |
| GO:0046449 | 1 | 0.998013433 | 0 | 1 |
| GO:0046452 | 1 | 0.993989333 | 0 | 3 |
| GO:0046456 | 1 | 0.987977618 | 0 | 6 |
| GO:0046458 | 1 | 0.998005077 | 0 | 1 |
| GO:0046459 | 1 | 0.995967808 | 0 | 2 |
| GO:0046464 | 1 | 0.989995493 | 0 | 5 |
| GO:0046466 | 1 | 0.991949531 | 0 | 4 |
| GO:0046469 | 1 | 0.993997121 | 0 | 3 |
| GO:0046470 | 1 | 0.970164986 | 0 | 15 |
| GO:0046471 | 1 | 0.989979466 | 0 | 5 |
| GO:0046473 | 1 | 0.987985758 | 0 | 6 |
| GO:0046474 | 1 | 0.97815045 | 0 | 11 |
| GO:0046475 | 1 | 0.970294852 | 0 | 15 |
| GO:0046477 | 1 | 0.995976961 | 0 | 2 |
| GO:0046479 | 1 | 0.997968378 | 0 | 1 |
| GO:0046483 | 1 | 0.985957055 | 0 | 7 |
| GO:0046485 | 1 | 0.990010151 | 0 | 5 |
| GO:0046486 | 1 | 0.97632584 | 0 | 12 |
| GO:0046487 | 1 | 0.987933436 | 0 | 6 |
| GO:0046488 | 1 | 0.945411062 | 0 | 28 |
| GO:0046491 | 1 | 0.997957643 | 0 | 1 |
| GO:0046496 | 1 | 0.995985075 | 0 | 2 |
| GO:0046498 | 1 | 0.995925827 | 0 | 2 |
| GO:0046500 | 1 | 0.989951766 | 0 | 5 |
| GO:0046501 | 1 | 0.994010459 | 0 | 3 |
| GO:0046511 | 1 | 0.998013437 | 0 | 1 |
| GO:0046512 | 1 | 0.972204843 | 0 | 14 |
| GO:0046513 | 1 | 0.939493636 | 0 | 31 |
| GO:0046514 | 1 | 0.985958027 | 0 | 7 |
| GO:0046520 | 1 | 0.99806036 | 0 | 1 |
| GO:0046521 | 1 | 0.997976331 | 0 | 1 |
| GO:0046523 | 1 | 0.997995999 | 0 | 1 |
| GO:0046525 | 1 | 0.997973927 | 0 | 1 |
| GO:0046526 | 1 | 0.997987078 | 0 | 1 |
| GO:0046527 | 1 | 0.988019009 | 0 | 6 |
| GO:0046533 | 1 | 0.990014741 | 0 | 5 |
| GO:0046538 | 1 | 0.997957361 | 0 | 1 |
| GO:0046539 | 1 | 0.997958366 | 0 | 1 |
| GO:0046540 | 1 | 0.939108573 | 0 | 31 |
| GO:0046541 | 1 | 0.989931845 | 0 | 5 |
| Gene ID | GO Term   | Score | Fold Change | Enrichment | p-value
|---------|-----------|-------|-------------|------------|---------
| 10455  | GO:0046543 | 1     | 0.996007538 | 2          |
| 10456  | GO:0046544 | 1     | 0.998013071 | 1          |
| 10457  | GO:0046545 | 1     | 0.992009244 | 4          |
| 10458  | GO:0046546 | 1     | 0.992039134 | 4          |
| 10459  | GO:0046548 | 1     | 0.9821551   | 9          |
| 10460  | GO:0046549 | 1     | 0.980191099 | 10         |
| 10461  | GO:0046554 | 1     | 0.997966249 | 1          |
| 10462  | GO:0046556 | 1     | 0.995985075 | 2          |
| 10463  | GO:0046570 | 1     | 0.997965352 | 1          |
| 10464  | GO:0046577 | 1     | 0.998005077 | 1          |
| 10465  | GO:0046578 | 1     | 0.982142566 | 9          |
| 10466  | GO:0046579 | 1     | 0.943535317 | 29         |
| 10467  | GO:0046580 | 1     | 0.95117786  | 25         |
| 10468  | GO:0046581 | 1     | 0.986126227 | 7          |
| 10469  | GO:0046587 | 1     | 0.997994528 | 1          |
| 10470  | GO:0046588 | 1     | 0.997958406 | 1          |
| 10471  | GO:0046592 | 1     | 0.993944738 | 3          |
| 10472  | GO:0046596 | 1     | 0.974216335 | 13         |
| 10473  | GO:0046597 | 1     | 0.966252795 | 17         |
| 10474  | GO:0046599 | 1     | 0.976036902 | 12         |
| 10475  | GO:0046600 | 1     | 0.982102913 | 9          |
| 10476  | GO:0046601 | 1     | 0.996008757 | 2          |
| 10477  | GO:0046602 | 1     | 0.99002646  | 5          |
| 10479  | GO:0046604 | 1     | 0.993985204 | 3          |
| 10480  | GO:0046605 | 1     | 0.992004921 | 4          |
| 10481  | GO:0046611 | 1     | 0.997900564 | 1          |
| 10482  | GO:0046618 | 1     | 0.994050411 | 3          |
| 10483  | GO:0046619 | 1     | 0.996012759 | 2          |
| 10484  | GO:0046620 | 1     | 0.98208266  | 9          |
| 10485  | GO:0046621 | 1     | 0.98419165  | 8          |
| 10486  | GO:0046622 | 1     | 0.982085399 | 9          |
| 10487  | GO:0046623 | 1     | 0.998013437 | 1          |
| 10488  | GO:0046624 | 1     | 0.995984435 | 2          |
| 10489  | GO:0046625 | 1     | 0.991967336 | 4          |
| 10490  | GO:0046626 | 1     | 0.97623629  | 12         |
| 10491  | GO:0046627 | 1     | 0.93210158  | 35         |
| 10492  | GO:0046628 | 1     | 0.958805141 | 21         |
| 10493  | GO:0046629 | 1     | 0.989980483 | 5          |
| 10494  | GO:0046631 | 1     | 0.998013437 | 1          |
| 10495  | GO:0046632 | 1     | 0.986020806 | 7          |
| 10496  | GO:0046633 | 1     | 0.998013437 | 1          |
| 10497  | GO:0046635 | 1     | 0.99796466  | 1          |
| 10498  | GO:0046636 | 1     | 0.995983832 | 2          |
| 10499  | GO:0046638 | 1     | 0.980050051 | 10         |
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| 10501   | GO:0046641 | 1     | 0.984041622 | 8           |
| 10502   | GO:0046642 | 1     | 0.99406227  | 3           |
| 10503   | GO:0046645 | 1     | 0.998011136 | 1           |
| 10504   | GO:0046649 | 1     | 0.993989059 | 3           |
| 10505   | GO:0046651 | 1     | 0.989971826 | 5           |
| 10506   | GO:0046653 | 1     | 0.982018399 | 9           |
| 10507   | GO:0046654 | 1     | 0.98995666  | 5           |
| 10508   | GO:0046655 | 1     | 0.964461654 | 18          |
| 10509   | GO:0046657 | 1     | 0.97957924  | 1           |
| 10510   | GO:0046658 | 1     | 0.943230883 | 29          |
| 10511   | GO:0046661 | 1     | 0.993989008 | 3           |
| 10512   | GO:0046666 | 1     | 0.97956473  | 1           |
| 10513   | GO:0046668 | 1     | 0.995994088 | 2           |
| 10514   | GO:0046671 | 1     | 0.998005976 | 1           |
| 10515   | GO:0046676 | 1     | 0.945345851 | 28          |
| 10516   | GO:0046677 | 1     | 0.939488054 | 31          |
| 10517   | GO:0046680 | 1     | 0.99780104  | 1           |
| 10518   | GO:0046683 | 1     | 0.989957876 | 5           |
| 10519   | GO:0046684 | 1     | 0.993969258 | 3           |
| 10520   | GO:0046685 | 1     | 0.976185433 | 12          |
| 10521   | GO:0046686 | 1     | 0.94883305  | 26          |
| 10522   | GO:0046688 | 1     | 0.968273977 | 16          |
| 10523   | GO:0046689 | 1     | 0.98795095  | 6           |
| 10524   | GO:0046690 | 1     | 0.998001484 | 1           |
| 10525   | GO:0046691 | 1     | 0.996029264 | 2           |
| 10526   | GO:0046695 | 1     | 0.99394427  | 3           |
| 10527   | GO:0046696 | 1     | 0.989973143 | 5           |
| 10528   | GO:0046697 | 1     | 0.950864789 | 25          |
| 10529   | GO:0046703 | 1     | 0.981922339 | 9           |
| 10530   | GO:0046705 | 1     | 0.997992152 | 1           |
| 10531   | GO:0046709 | 1     | 0.995987871 | 2           |
| 10532   | GO:0046710 | 1     | 0.982144148 | 9           |
| 10533   | GO:0046711 | 1     | 0.997960081 | 1           |
| 10534   | GO:0046712 | 1     | 0.995967518 | 2           |
| 10535   | GO:0046713 | 1     | 0.997996143 | 1           |
| 10536   | GO:0046715 | 1     | 0.997996143 | 1           |
| 10537   | GO:0046716 | 1     | 0.964485114 | 18          |
| 10538   | GO:0046717 | 1     | 0.995971196 | 2           |
| 10539   | GO:0046718 | 1     | 0.842853888 | 85          |
| 10540   | GO:0046722 | 1     | 0.997984457 | 1           |
| 10541   | GO:0046724 | 1     | 0.997989046 | 1           |
| 10543   | GO:0046726 | 1     | 0.992037265 | 4           |
| 10544   | GO:0046745 | 1     | 0.997990564 | 1           |
| 10545   | GO:0046754 | 1     | 0.997994144 | 1           |
| GO:0046755 | 1 | 0.982057253 | 0 | 9 |
| GO:0046777 | 1 | 0.710640933 | 0 | 170 |
| GO:0046778 | 1 | 0.995974553 | 0 | 2 |
| GO:0046782 | 1 | 0.976207181 | 0 | 12 |
| GO:0046783 | 1 | 0.988012691 | 0 | 1 |
| GO:0046784 | 1 | 0.997997404 | 0 | 1 |
| GO:0046786 | 1 | 0.984001522 | 0 | 8 |
| GO:0046787 | 1 | 0.99569847 | 0 | 2 |
| GO:0046788 | 1 | 0.99000369 | 0 | 5 |
| GO:0046789 | 1 | 0.99790564 | 0 | 1 |
| GO:0046790 | 1 | 0.997997404 | 0 | 1 |
| GO:0046811 | 1 | 0.995969847 | 0 | 2 |
| GO:0046813 | 1 | 0.990009369 | 0 | 5 |
| GO:0046814 | 1 | 0.99790564 | 0 | 1 |
| GO:0046817 | 1 | 0.997964679 | 0 | 14 |
| GO:0046824 | 1 | 0.998013437 | 0 | 1 |
| GO:0046826 | 1 | 0.987926851 | 0 | 6 |
| GO:0046827 | 1 | 0.962505379 | 0 | 19 |
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| GO:0046832 | 1 | 0.996030729 | 0 | 2 |
| GO:0046833 | 1 | 0.99002452 | 0 | 5 |
| GO:0046834 | 1 | 0.972403522 | 0 | 14 |
| GO:0046835 | 1 | 0.95481183 | 0 | 23 |
| GO:0046836 | 1 | 0.991910676 | 0 | 4 |
| GO:0046838 | 1 | 0.997987826 | 0 | 1 |
| GO:0046839 | 1 | 0.974157027 | 0 | 13 |
| GO:0046847 | 1 | 0.964625939 | 0 | 18 |
| GO:0046848 | 1 | 0.993882564 | 0 | 3 |
| GO:0046849 | 1 | 0.968408767 | 0 | 16 |
| GO:0046850 | 1 | 0.990009758 | 0 | 5 |
| GO:0046851 | 1 | 0.996023599 | 0 | 2 |
| GO:0046852 | 1 | 0.9098591 | 0 | 52 |
| GO:0046855 | 1 | 0.966525742 | 0 | 17 |
| GO:0046856 | 1 | 0.939860845 | 0 | 31 |
| GO:0046865 | 1 | 0.998012652 | 0 | 1 |
| GO:0046870 | 1 | 0.991984004 | 0 | 4 |
| GO:0046873 | 1 | 0.966418937 | 0 | 17 |
| GO:0046874 | 1 | 0.995940661 | 0 | 2 |
| GO:0046875 | 1 | 0.945313986 | 0 | 28 |
| GO:0046877 | 1 | 0.998012797 | 0 | 1 |
| GO:0046878 | 1 | 0.997990556 | 0 | 1 |
| GO:0046879 | 1 | 0.991976529 | 0 | 4 |
| GO:0046880 | 1 | 0.997981405 | 0 | 1 |
| GO:0046881 | 1 | 0.99000601 | 0 | 5 |
| GO:0046882 | 1 | 0.993959115 | 0 | 3 |
| GO:0046883 | 1 | 0.993943172 | 0 | 3 |
| GO:0046884 | 1 | 0.998012243 | 0 | 1 |
| ID    | GeneID | GO:ID     | p-value | q-value | n | Width |
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| 10594 |        | GO:0046885 | 0.998013324 | 0.998013324 | 1 | 0     |
| 10595 |        | GO:0046886 | 0.994028036 | 0.994028036 | 1 | 0     |
| 10596 |        | GO:0046887 | 0.987979581 | 0.987979581 | 1 | 0     |
| 10597 |        | GO:0046888 | 0.984011715 | 0.984011715 | 1 | 0     |
| 10598 |        | GO:0046889 | 0.972252007 | 0.972252007 | 1 | 0     |
| 10599 |        | GO:0046890 | 0.987986659 | 0.987986659 | 1 | 0     |
| 10600 |        | GO:0046891 | 0.966490149 | 0.966490149 | 1 | 0     |
| 10601 |        | GO:0046892 | 0.963109650 | 0.963109650 | 1 | 0     |
| 10602 |        | GO:0046893 | 0.974271964 | 0.974271964 | 1 | 0     |
| 10603 |        | GO:0046894 | 0.984018714 | 0.984018714 | 1 | 0     |
| 10604 |        | GO:0046895 | 0.991982955 | 0.991982955 | 1 | 0     |
| 10605 |        | GO:0046896 | 0.9877998423 | 0.9877998423 | 1 | 0     |
| 10606 |        | GO:0046897 | 0.994025339 | 0.994025339 | 1 | 0     |
| 10607 |        | GO:0046898 | 0.997845999 | 0.997845999 | 1 | 0     |
| 10608 |        | GO:0046899 | 0.95481517 | 0.95481517 | 1 | 0     |
| 10609 |        | GO:0046900 | 0.94025339 | 0.94025339 | 1 | 0     |
| 10610 |        | GO:0046901 | 0.974095025 | 0.974095025 | 1 | 0     |
| 10611 |        | GO:0046902 | 0.98032782 | 0.98032782 | 1 | 0     |
| 10612 |        | GO:0046903 | 0.97963771 | 0.97963771 | 1 | 0     |
| 10613 |        | GO:0046904 | 0.996008383 | 0.996008383 | 1 | 0     |
| 10614 |        | GO:0046905 | 0.996019087 | 0.996019087 | 1 | 0     |
| 10615 |        | GO:0046906 | 0.988044771 | 0.988044771 | 1 | 0     |
| 10616 |        | GO:0046907 | 0.99799826 | 0.99799826 | 1 | 0     |
| 10617 |        | GO:0046908 | 0.978089909 | 0.978089909 | 1 | 0     |
| 10618 |        | GO:0046909 | 0.98994319 | 0.98994319 | 1 | 0     |
| 10619 |        | GO:0046910 | 0.99200443 | 0.99200443 | 1 | 0     |
| 10620 |        | GO:0046911 | 0.98807956 | 0.98807956 | 1 | 0     |
| 10621 |        | GO:0046912 | 0.974271964 | 0.974271964 | 1 | 0     |
| 10622 |        | GO:0046913 | 0.99538065 | 0.99538065 | 1 | 0     |
| 10623 |        | GO:0046914 | 0.994046493 | 0.994046493 | 1 | 0     |
| 10624 |        | GO:0046915 | 0.996006082 | 0.996006082 | 1 | 0     |
| 10625 |        | GO:0046916 | 0.99598212 | 0.99598212 | 1 | 0     |
| 10626 |        | GO:0046917 | 0.984018714 | 0.984018714 | 1 | 0     |
| 10627 |        | GO:0046918 | 0.991982955 | 0.991982955 | 1 | 0     |
| 10628 |        | GO:0046919 | 0.997998423 | 0.997998423 | 1 | 0     |
| 10629 |        | GO:0046920 | 0.994025339 | 0.994025339 | 1 | 0     |
| 10630 |        | GO:0046921 | 0.997845999 | 0.997845999 | 1 | 0     |
| 10631 |        | GO:0046922 | 0.95481517 | 0.95481517 | 1 | 0     |
| 10632 |        | GO:0046923 | 0.94025339 | 0.94025339 | 1 | 0     |
| 10633 |        | GO:0046924 | 0.99598212 | 0.99598212 | 1 | 0     |
| 10634 |        | GO:0046925 | 0.984018714 | 0.984018714 | 1 | 0     |
| 10635 |        | GO:0046926 | 0.991982955 | 0.991982955 | 1 | 0     |
| 10636 |        | GO:0046927 | 0.997998423 | 0.997998423 | 1 | 0     |
| 10637 |        | GO:0046928 | 0.99598212 | 0.99598212 | 1 | 0     |
| GeneID | GO:ID   | Value | P-value | Count |
|--------|---------|-------|---------|-------|
| 10642  | GO:0046970 | 1     | 0.997977718 | 0     |
| 10643  | GO:0046972 | 1     | 0.995978355 | 0     |
| 10644  | GO:0046974 | 1     | 0.980249973 | 0     |
| 10646  | GO:0046976 | 1     | 0.990034008 | 0     |
| 10647  | GO:0046977 | 1     | 0.99392411  | 0     |
| 10648  | GO:0046978 | 1     | 0.990010524 | 0     |
| 10649  | GO:0046979 | 1     | 0.993973155 | 0     |
| 10650  | GO:0046980 | 1     | 0.998007827 | 0     |
| 10651  | GO:0046982 | 1     | 0.534822824 | 0     |
| 10652  | GO:0046983 | 1     | 0.749453683 | 0     |
| 10653  | GO:0046984 | 1     | 0.998011029 | 0     |
| 10654  | GO:0046985 | 1     | 0.991965209 | 0     |
| 10655  | GO:0046986 | 1     | 0.998011029 | 0     |
| 10656  | GO:0047006 | 1     | 0.995940322 | 0     |
| 10657  | GO:0047012 | 1     | 0.997971684 | 0     |
| 10658  | GO:0047015 | 1     | 0.997959295 | 0     |
| 10659  | GO:0047016 | 1     | 0.997981664 | 0     |
| 10660  | GO:0047017 | 1     | 0.99595926  | 0     |
| 10661  | GO:0047020 | 1     | 0.995933772 | 0     |
| 10662  | GO:0047021 | 1     | 0.997965025 | 0     |
| 10663  | GO:0047023 | 1     | 0.983865146 | 0     |
| 10664  | GO:0047024 | 1     | 0.989877132 | 0     |
| 10665  | GO:0047025 | 1     | 0.99596517  | 0     |
| 10666  | GO:0047035 | 1     | 0.98385753  | 0     |
| 10667  | GO:0047042 | 1     | 0.997967667 | 0     |
| 10668  | GO:0047044 | 1     | 0.981856626 | 0     |
| 10669  | GO:0047045 | 1     | 0.983861551 | 0     |
| 10670  | GO:0047057 | 1     | 0.995926229 | 0     |
| 10671  | GO:0047066 | 1     | 0.995924184 | 0     |
| 10672  | GO:0047086 | 1     | 0.989896058 | 0     |
| 10673  | GO:0047092 | 1     | 0.997984994 | 0     |
| 10674  | GO:0047102 | 1     | 0.997986023 | 0     |
| 10675  | GO:0047105 | 1     | 0.997986719 | 0     |
| 10676  | GO:0047115 | 1     | 0.993911452 | 0     |
| 10677  | GO:0047117 | 1     | 0.998013437 | 0     |
| 10678  | GO:0047127 | 1     | 0.997967507 | 0     |
| 10679  | GO:0047130 | 1     | 0.998013437 | 0     |
| 10680  | GO:0047131 | 1     | 0.998013437 | 0     |
| 10681  | GO:0047134 | 1     | 0.991934005 | 0     |
| 10682  | GO:0047150 | 1     | 0.995969138 | 0     |
| 10683  | GO:0047159 | 1     | 0.996024327 | 0     |
| 10684  | GO:0047166 | 1     | 0.997977196 | 0     |
| 10685  | GO:0047173 | 1     | 0.998012626 | 0     |
| 10686  | GO:0047179 | 1     | 0.991919836 | 0     |
| 10687  | GO:0047184 | 1     | 0.984044593 | 0     |
| GeneID | GO:ID       | Value | Count | Count2 |
|-------|-------------|-------|-------|--------|
|       | GO:0047186  | 1     | 0.998006447 | 0      | 1    |
|       | GO:0047191  | 1     | 0.9980071 | 0      | 1    |
|       | GO:0047192  | 1     | 0.994009383 | 0      | 3    |
|       | GO:0047220  | 1     | 0.997991067 | 0      | 1    |
|       | GO:0047223  | 1     | 0.993980471 | 0      | 3    |
|       | GO:0047224  | 1     | 0.997986516 | 0      | 1    |
|       | GO:0047225  | 1     | 0.997982179 | 0      | 1    |
|       | GO:0047237  | 1     | 0.994015738 | 0      | 3    |
|       | GO:0047238  | 1     | 0.988084328 | 0      | 6    |
|       | GO:0047256  | 1     | 0.998008633 | 0      | 1    |
|       | GO:0047263  | 1     | 0.997992871 | 0      | 1    |
|       | GO:0047273  | 1     | 0.997999107 | 0      | 1    |
|       | GO:0047275  | 1     | 0.997981308 | 0      | 1    |
|       | GO:0047277  | 1     | 0.997977752 | 0      | 1    |
|       | GO:0047280  | 1     | 0.998011582 | 0      | 1    |
|       | GO:0047288  | 1     | 0.994010381 | 0      | 3    |
|       | GO:0047290  | 1     | 0.995958432 | 0      | 2    |
|       | GO:0047291  | 1     | 0.997983633 | 0      | 1    |
|       | GO:0047293  | 1     | 0.99797242 | 0      | 1    |
|       | GO:0047298  | 1     | 0.998012706 | 0      | 1    |
|       | GO:0047315  | 1     | 0.997990564 | 0      | 1    |
|       | GO:0047316  | 1     | 0.997990564 | 0      | 1    |
|       | GO:0047322  | 1     | 0.996030372 | 0      | 2    |
|       | GO:0047323  | 1     | 0.997980773 | 0      | 1    |
|       | GO:0047325  | 1     | 0.997998232 | 0      | 1    |
|       | GO:0047326  | 1     | 0.997975112 | 0      | 1    |
|       | GO:0047341  | 1     | 0.99800656 | 0      | 1    |
|       | GO:0047349  | 1     | 0.997990564 | 0      | 1    |
|       | GO:0047369  | 1     | 0.997990564 | 0      | 1    |
|       | GO:0047372  | 1     | 0.978095265 | 0      | 11   |
|       | GO:0047374  | 1     | 0.993961658 | 0      | 3    |
|       | GO:0047376  | 1     | 0.996000056 | 0      | 2    |
|       | GO:0047381  | 1     | 0.997974487 | 0      | 1    |
|       | GO:0047389  | 1     | 0.996014461 | 0      | 2    |
|       | GO:0047390  | 1     | 0.998006948 | 0      | 1    |
|       | GO:0047391  | 1     | 0.995997963 | 0      | 2    |
|       | GO:0047394  | 1     | 0.997982492 | 0      | 1    |
|       | GO:0047395  | 1     | 0.997993389 | 0      | 1    |
|       | GO:0047402  | 1     | 0.997990564 | 0      | 1    |
|       | GO:0047408  | 1     | 0.995981018 | 0      | 2    |
|       | GO:0047409  | 1     | 0.995981018 | 0      | 2    |
|       | GO:0047412  | 1     | 0.997975242 | 0      | 1    |
|       | GO:0047419  | 1     | 0.997975827 | 0      | 1    |
|       | GO:0047429  | 1     | 0.985989171 | 0      | 7    |
|       | GO:0047442  | 1     | 0.997976434 | 0      | 1    |
| GO          | Count | p-value     | Adjusted p-value |
|-------------|-------|-------------|------------------|
| GO:0047444  | 1     | 0.997964968 | 0                |
| GO:0047451  | 1     | 0.996007903 | 0                |
| GO:0047453  | 1     | 0.99790564  | 0                |
| GO:0047464  | 1     | 0.998012966 | 0                |
| GO:0047484  | 1     | 0.994026381 | 0                |
| GO:0047485  | 1     | 0.807484223 | 106              |
| GO:0047493  | 1     | 0.9940085   | 0                |
| GO:0047494  | 1     | 0.997993683 | 0                |
| GO:0047498  | 1     | 0.974117676 | 0                |
| GO:0047501  | 1     | 0.998012966 | 0                |
| GO:0047522  | 1     | 0.99790564  | 0                |
| GO:0047536  | 1     | 0.998012966 | 0                |
| GO:0047552  | 1     | 0.994026381 | 0                |
| GO:0047577  | 1     | 0.998012966 | 0                |
| GO:0047619  | 1     | 0.997993683 | 0                |
| GO:0047655  | 1     | 0.994026381 | 0                |
| GO:0047676  | 1     | 0.998012966 | 0                |
| GO:0047686  | 1     | 0.997993683 | 0                |
| GO:0047697  | 1     | 0.998012966 | 0                |
| GO:0047719  | 1     | 0.997993683 | 0                |
| GO:0047734  | 1     | 0.998012966 | 0                |
| GO:0047743  | 1     | 0.997993683 | 0                |
| GO:0047748  | 1     | 0.998012966 | 0                |
| GO:0047749  | 1     | 0.998012966 | 0                |
| GO:0047750  | 1     | 0.994026381 | 0                |
| GO:0047751  | 1     | 0.994026381 | 0                |
| GO:0047756  | 1     | 0.997993683 | 0                |
| GO:0047757  | 1     | 0.998012966 | 0                |
| GO:0047760  | 1     | 0.997993683 | 0                |
| GO:0047765  | 1     | 0.998012966 | 0                |
| GO:0047767  | 1     | 0.998012966 | 0                |
| GO:0047768  | 1     | 0.998012966 | 0                |
| GO:0047769  | 1     | 0.998012966 | 0                |
| GO:0047770  | 1     | 0.998012966 | 0                |
| GO:0047771  | 1     | 0.998012966 | 0                |
| GO:0047772  | 1     | 0.998012966 | 0                |
| GO:0047773  | 1     | 0.998012966 | 0                |
| GO:0047774  | 1     | 0.998012966 | 0                |
| GO:0047775  | 1     | 0.998012966 | 0                |
| GO:0047776  | 1     | 0.998012966 | 0                |
| GO:0047777  | 1     | 0.998012966 | 0                |
| GO          | Annotation | Count | Value   | Rank |
|-------------|------------|-------|---------|------|
| GO:0047760  |            | 1     | 0.985995259 | 0    | 7    |
| GO:0047777  |            | 1     | 0.998013437 | 0    | 1    |
| GO:0047780  |            | 1     | 0.995996995 | 0    | 2    |
| GO:0047787  |            | 1     | 0.995958371 | 0    | 2    |
| GO:0047800  |            | 1     | 0.9980045   | 0    | 1    |
| GO:0047801  |            | 1     | 0.99798074  | 0    | 1    |
| GO:0047804  |            | 1     | 0.995985075 | 0    | 2    |
| GO:0047805  |            | 1     | 0.997990564 | 0    | 1    |
| GO:0047820  |            | 1     | 0.997990564 | 0    | 1    |
| GO:0047834  |            | 1     | 0.96419022  | 0    | 18   |
| GO:0047837  |            | 1     | 0.997961917 | 0    | 1    |
| GO:0047840  |            | 1     | 0.997962564 | 0    | 1    |
| GO:0047844  |            | 1     | 0.979945743 | 0    | 10   |
| GO:0047847  |            | 1     | 0.997990564 | 0    | 1    |
| GO:0047860  |            | 1     | 0.997965581 | 0    | 1    |
| GO:0047865  |            | 1     | 0.997995795 | 0    | 1    |
| GO:0047874  |            | 1     | 0.997980463 | 0    | 1    |
| GO:0047886  |            | 1     | 0.997972223 | 0    | 1    |
| GO:0047888  |            | 1     | 0.997977768 | 0    | 1    |
| GO:0047894  |            | 1     | 0.993916251 | 0    | 3    |
| GO:0047915  |            | 1     | 0.997973151 | 0    | 1    |
| GO:0047918  |            | 1     | 0.997990564 | 0    | 1    |
| GO:0047931  |            | 1     | 0.998005792 | 0    | 1    |
| GO:0047933  |            | 1     | 0.998013437 | 0    | 1    |
| GO:0047934  |            | 1     | 0.998013437 | 0    | 1    |
| GO:0047935  |            | 1     | 0.998013437 | 0    | 1    |
| GO:0047936  |            | 1     | 0.998013437 | 0    | 1    |
| GO:0047939  |            | 1     | 0.997969391 | 0    | 1    |
| GO:0047941  |            | 1     | 0.997969391 | 0    | 1    |
| GO:0047946  |            | 1     | 0.997979759 | 0    | 1    |
| GO:0047956  |            | 1     | 0.995941484 | 0    | 2    |
| GO:0047961  |            | 1     | 0.995951345 | 0    | 2    |
| GO:0047963  |            | 1     | 0.998000663 | 0    | 1    |
| GO:0047975  |            | 1     | 0.995979798 | 0    | 2    |
| GO:0047977  |            | 1     | 0.995977999 | 0    | 2    |
| GO:0047988  |            | 1     | 0.99797696  | 0    | 1    |
| GO:0047992  |            | 1     | 0.997990564 | 0    | 1    |
| GO:0047994  |            | 1     | 0.997963383 | 0    | 1    |
| GO:0048002  |            | 1     | 0.991993433 | 0    | 4    |
| GO:0048006  |            | 1     | 0.998005257 | 0    | 1    |
| GO:0048007  |            | 1     | 0.994036973 | 0    | 3    |
| GO:0048008  |            | 1     | 0.941833888 | 0    | 30   |
| GO:0048009  |            | 1     | 0.972510184 | 0    | 14   |
| GO:0048010  |            | 1     | 0.875862867 | 0    | 66   |
| GO:0048011  |            | 1     | 0.962580608 | 0    | 19   |
| GO: ID  | GO Term     | Count (N) | p-value  |
|---------|-------------|-----------|----------|
| GO:0048012 |              | 1         | 0.978133556 |
| GO:0048013 |              | 1         | 0.844613018 |
| GO:0048014 |              | 1         | 0.992072416 |
| GO:0048015 |              | 1         | 0.904837571 |
| GO:0048016 |              | 1         | 0.980158332 |
| GO:0048017 |              | 1         | 0.974052171 |
| GO:0048018 |              | 1         | 0.935437993 |
| GO:0048019 |              | 1         | 0.992072416 |
| GO:0048020 |              | 1         | 0.971851414 |
| GO:0048021 |              | 1         | 0.99402527  |
| GO:0048022 |              | 1         | 0.992029478 |
| GO:0048023 |              | 1         | 0.986086602 |
| GO:0048024 |              | 1         | 0.962596406 |
| GO:0048025 |              | 1         | 0.956682612 |
| GO:0048026 |              | 1         | 0.962509361 |
| GO:0048027 |              | 1         | 0.948926662 |
| GO:0048028 |              | 1         | 0.98062659  |
| GO:0048029 |              | 1         | 0.997792793 |
| GO:0048030 |              | 1         | 0.974038321 |
| GO:0048031 |              | 1         | 0.985917465 |
| GO:0048032 |              | 1         | 0.997980136 |
| GO:0048033 |              | 1         | 0.949306896 |
| GO:0048034 |              | 1         | 0.982062758 |
| GO:0048035 |              | 1         | 0.993977589 |
| GO:0048036 |              | 1         | 0.978190261 |
| GO:0048037 |              | 1         | 0.976211395 |
| GO:0048038 |              | 1         | 0.993982997 |
| GO:0048039 |              | 1         | 0.986008689 |
| GO:0048040 |              | 1         | 0.9821233   |
| GO:0048041 |              | 1         | 0.994042092 |
| GO:0048042 |              | 1         | 0.997990564 |
| GO:0048043 |              | 1         | 0.993966853 |
| GO:0048044 |              | 1         | 0.997796314 |
| GO:0048045 |              | 1         | 0.972178098 |
| GO:0048046 |              | 1         | 0.995998446 |
| GO:0048047 |              | 1         | 0.994022561 |
| GO:0048048 |              | 1         | 0.91712523  |
| GO:0048049 |              | 1         | 0.950914933 |
| GO:0048148 | 1 | 0.976155483 | 0 | 12 |
| GO:0048149 | 1 | 0.988026756 | 0 | 6 |
| GO:0048156 | 1 | 0.91545935 | 0 | 44 |
| GO:0048160 | 1 | 0.966029064 | 0 | 2 |
| GO:0048167 | 1 | 0.901044654 | 0 | 52 |
| GO:0048168 | 1 | 0.96844526 | 0 | 16 |
| GO:0048169 | 1 | 0.968379355 | 0 | 16 |
| GO:0048170 | 1 | 0.990051798 | 0 | 5 |
| GO:0048172 | 1 | 0.978181139 | 0 | 11 |
| GO:0048179 | 1 | 0.988080553 | 0 | 6 |
| GO:0048185 | 1 | 0.995973647 | 0 | 2 |
| GO:0048188 | 1 | 0.998008841 | 0 | 1 |
| GO:0048199 | 1 | 0.997976127 | 0 | 1 |
| GO:0048203 | 1 | 0.995951143 | 0 | 2 |
| GO:0048205 | 1 | 0.995998862 | 0 | 2 |
| GO:0048208 | 1 | 0.99595541 | 0 | 2 |
| GO:0048213 | 1 | 0.998013215 | 0 | 1 |
| GO:0048219 | 1 | 0.99012654 | 0 | 1 |
| GO:0048227 | 1 | 0.984034092 | 0 | 8 |
| GO:0048232 | 1 | 0.99595541 | 0 | 2 |
| GO:0048242 | 1 | 0.995951143 | 0 | 2 |
| GO:0048246 | 1 | 0.995998862 | 0 | 2 |
| GO:0048247 | 1 | 0.99012654 | 0 | 1 |
| GO:0048250 | 1 | 0.984034092 | 0 | 8 |
| GO:0048252 | 1 | 0.99595541 | 0 | 2 |
| GO:0048254 | 1 | 0.995998862 | 0 | 2 |
| GO:0048255 | 1 | 0.99595541 | 0 | 2 |
| GO:0048256 | 1 | 0.99595541 | 0 | 2 |
| GO:0048257 | 1 | 0.99595541 | 0 | 2 |
| GO:0048259 | 1 | 0.99595541 | 0 | 2 |
| GO:0048260 | 1 | 0.99595541 | 0 | 2 |
| GO:0048261 | 1 | 0.99595541 | 0 | 2 |
| Gene ID  | Description   | Score 1 | Score 2 | Score 3 | Score 4 |
|---------|---------------|---------|---------|---------|---------|
| GO:0048263 | 1 | 0.93978313 | 0.993978313 | 0.993978313 | 3 |
| GO:0048264 | 1 | 0.97994512 | 0.97994512 | 0.97994512 | 1 |
| GO:0048265 | 1 | 0.976138846 | 0.976138846 | 0.976138846 | 12 |
| GO:0048266 | 1 | 0.980113419 | 0.980113419 | 0.980113419 | 10 |
| GO:0048268 | 1 | 0.966479685 | 0.966479685 | 0.966479685 | 17 |
| GO:0048269 | 1 | 0.95975588 | 0.95975588 | 0.95975588 | 2 |
| GO:0048270 | 1 | 0.99780014 | 0.99780014 | 0.99780014 | 1 |
| GO:0048273 | 1 | 0.98998903 | 0.98998903 | 0.98998903 | 5 |
| GO:0048278 | 1 | 0.958671232 | 0.958671232 | 0.958671232 | 21 |
| GO:0048280 | 1 | 0.984009969 | 0.984009969 | 0.984009969 | 8 |
| GO:0048284 | 1 | 0.995942988 | 0.995942988 | 0.995942988 | 2 |
| GO:0048286 | 1 | 0.937818043 | 0.937818043 | 0.937818043 | 32 |
| GO:0048290 | 1 | 0.97999503 | 0.97999503 | 0.97999503 | 1 |
| GO:0048291 | 1 | 0.997983728 | 0.997983728 | 0.997983728 | 1 |
| GO:0048294 | 1 | 0.99400922 | 0.99400922 | 0.99400922 | 3 |
| GO:0048295 | 1 | 0.995986601 | 0.995986601 | 0.995986601 | 2 |
| GO:0048297 | 1 | 0.997980805 | 0.997980805 | 0.997980805 | 1 |
| GO:0048298 | 1 | 0.99197946 | 0.99197946 | 0.99197946 | 4 |
| GO:0048302 | 1 | 0.99200118 | 0.99200118 | 0.99200118 | 4 |
| GO:0048304 | 1 | 0.988036144 | 0.988036144 | 0.988036144 | 6 |
| GO:0048306 | 1 | 0.860902142 | 0.860902142 | 0.860902142 | 74 |
| GO:0048311 | 1 | 0.984166508 | 0.984166508 | 0.984166508 | 8 |
| GO:0048312 | 1 | 0.984090987 | 0.984090987 | 0.984090987 | 8 |
| GO:0048318 | 1 | 0.989949467 | 0.989949467 | 0.989949467 | 5 |
| GO:0048319 | 1 | 0.998013437 | 0.998013437 | 0.998013437 | 1 |
| GO:0048320 | 1 | 0.99800715 | 0.99800715 | 0.99800715 | 1 |
| GO:0048322 | 1 | 0.996029539 | 0.996029539 | 0.996029539 | 2 |
| GO:0048333 | 1 | 0.976295013 | 0.976295013 | 0.976295013 | 12 |
| GO:0048337 | 1 | 0.997993311 | 0.997993311 | 0.997993311 | 1 |
| GO:0048339 | 1 | 0.988069509 | 0.988069509 | 0.988069509 | 6 |
| GO:0048340 | 1 | 0.996030731 | 0.996030731 | 0.996030731 | 2 |
| GO:0048341 | 1 | 0.986039723 | 0.986039723 | 0.986039723 | 7 |
| GO:0048343 | 1 | 0.995970313 | 0.995970313 | 0.995970313 | 2 |
| GO:0048352 | 1 | 0.998003307 | 0.998003307 | 0.998003307 | 1 |
| GO:0048368 | 1 | 0.991984936 | 0.991984936 | 0.991984936 | 4 |
| GO:0048378 | 1 | 0.998003307 | 0.998003307 | 0.998003307 | 1 |
| GO:0048382 | 1 | 0.988015494 | 0.988015494 | 0.988015494 | 6 |
| GO:0048384 | 1 | 0.966452494 | 0.966452494 | 0.966452494 | 17 |
| GO:0048385 | 1 | 0.991955936 | 0.991955936 | 0.991955936 | 4 |
| GO:0048386 | 1 | 0.989994365 | 0.989994365 | 0.989994365 | 5 |
| GO:0048387 | 1 | 0.986001484 | 0.986001484 | 0.986001484 | 7 |
| GO:0048388 | 1 | 0.993959031 | 0.993959031 | 0.993959031 | 3 |
| GO:0048389 | 1 | 0.997976774 | 0.997976774 | 0.997976774 | 1 |
| GO:0048392 | 1 | 0.997974922 | 0.997974922 | 0.997974922 | 1 |
| GO:0048403 | 1 | 0.99404481 | 0.99404481 | 0.99404481 | 3 |
| Gene ID | GO Term | Count | Score | Adjusted p-val | Rank |
|--------|---------|-------|-------|----------------|------|
| 10960  | GO:0048406 | 1     | 0.992045229 | 0      | 4    |
| 10961  | GO:0048407 | 1     | 0.978311815 | 0      | 11   |
| 10962  | GO:0048408 | 1     | 0.991952676 | 0      | 4    |
| 10963  | GO:0048468 | 1     | 0.952881591 | 0      | 24   |
| 10964  | GO:0048469 | 1     | 0.945124679 | 0      | 28   |
| 10966  | GO:0048476 | 1     | 0.989925586 | 0      | 5    |
| 10967  | GO:0048477 | 1     | 0.935792379 | 0      | 33   |
| 10968  | GO:0048478 | 1     | 0.980102407 | 0      | 10   |
| 10969  | GO:0048485 | 1     | 0.978178854 | 0      | 11   |
| 10970  | GO:0048487 | 1     | 0.920811925 | 0      | 41   |
| 10971  | GO:0048490 | 1     | 0.968306645 | 0      | 16   |
| 10974  | GO:0048495 | 1     | 0.98808637  | 0      | 6    |
| 10976  | GO:0048496 | 1     | 0.990051884 | 0      | 5    |
| 10977  | GO:0048499 | 1     | 0.991961986 | 0      | 4    |
| 10978  | GO:0048500 | 1     | 0.98792741  | 0      | 6    |
| 10979  | GO:0048505 | 1     | 0.991973394 | 0      | 4    |
| 10980  | GO:0048511 | 1     | 0.75790605  | 0      | 138  |
| 10981  | GO:0048512 | 1     | 0.986064744 | 0      | 7    |
| 10982  | GO:0048513 | 1     | 0.976121221 | 0      | 12   |
| 10983  | GO:0048514 | 1     | 0.949279331 | 0      | 26   |
| 10984  | GO:0048515 | 1     | 0.984040557 | 0      | 8    |
| 10985  | GO:0048520 | 1     | 0.997992028 | 0      | 1    |
| 10986  | GO:0048523 | 1     | 0.998009727 | 0      | 1    |
| 10987  | GO:0048524 | 1     | 0.991988308 | 0      | 4    |
| 10988  | GO:0048525 | 1     | 0.991935765 | 0      | 4    |
| 10989  | GO:0048534 | 1     | 0.99599243  | 0      | 2    |
| 10990  | GO:0048535 | 1     | 0.970259933 | 0      | 15   |
| 10991  | GO:0048536 | 1     | 0.951028775 | 0      | 25   |
| 10992  | GO:0048538 | 1     | 0.913593789 | 0      | 45   |
| 10993  | GO:0048539 | 1     | 0.986049272 | 0      | 7    |
| 10994  | GO:0048541 | 1     | 0.992011118 | 0      | 4    |
| 10995  | GO:0048545 | 1     | 0.945245287 | 0      | 28   |
| 10996  | GO:0048546 | 1     | 0.976195736 | 0      | 12   |
| 10997  | GO:0048549 | 1     | 0.990068777 | 0      | 5    |
| 10998  | GO:0048550 | 1     | 0.991969675 | 0      | 4    |
| 10999  | GO:0048557 | 1     | 0.978109888 | 0      | 11   |
| 11000  | GO:0048560 | 1     | 0.997981567 | 0      | 1    |
| 11001  | GO:0048561 | 1     | 0.997982211 | 0      | 1    |
| 11002  | GO:0048562 | 1     | 0.996013294 | 0      | 2    |
| 11003  | GO:0048563 | 1     | 0.996030003 | 0      | 2    |
| 11004  | GO:0048565 | 1     | 0.95503678  | 0      | 23   |
| 11005  | GO:0048566 | 1     | 0.97224967  | 0      | 14   |
| GO Term       | log10(p-value) | q-value | FDR-corrected p-value | Benjamini-Hochberg Correction | BH-adjusted p-value | BF-adjusted p-value | False Discovery Rate | False Positive Rate | True Positive Rate | False Negative Rate | True Negative Rate |
|---------------|----------------|---------|-----------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|------------------|-------------------|-------------------|
| GO:0048675 | 1 | 0.949295732 | 0 | 26 |
| GO:0048677 | 1 | 0.998013437 | 0 | 1 |
| GO:0048678 | 1 | 0.948864506 | 0 | 26 |
| GO:0048679 | 1 | 0.986102925 | 0 | 7 |
| GO:0048680 | 1 | 0.983993894 | 0 | 8 |
| GO:0048681 | 1 | 0.998013437 | 0 | 1 |
| GO:0048682 | 1 | 0.998013437 | 0 | 1 |
| GO:0048683 | 1 | 0.998013437 | 0 | 1 |
| GO:0048684 | 1 | 0.998013437 | 0 | 1 |
| GO:0048685 | 1 | 0.997990564 | 0 | 1 |
| GO:0048686 | 1 | 0.978237932 | 0 | 11 |
| GO:0048687 | 1 | 0.943512417 | 0 | 29 |
| GO:0048688 | 1 | 0.984099942 | 0 | 8 |
| GO:0048689 | 1 | 0.982114249 | 0 | 9 |
| GO:0048690 | 1 | 0.941504876 | 0 | 30 |
| GO:0048691 | 1 | 0.978237932 | 0 | 11 |
| GO:0048692 | 1 | 0.93418370 | 0 | 34 |
| GO:0048693 | 1 | 0.953028617 | 0 | 24 |
| GO:0048694 | 1 | 0.988070627 | 0 | 6 |
| GO:0048695 | 1 | 0.954837175 | 0 | 23 |
| GO:0048696 | 1 | 0.996030731 | 0 | 2 |
| GO:0048697 | 1 | 0.980053675 | 0 | 10 |
| GO:0048698 | 1 | 0.982114249 | 0 | 9 |
| GO:0048699 | 1 | 0.991985075 | 0 | 4 |
| GO:0048700 | 1 | 0.962443535 | 0 | 19 |
| GO:0048701 | 1 | 0.982044677 | 0 | 9 |
| GO:0048702 | 1 | 0.97880061546 | 0 | 5 |
| GO:0048703 | 1 | 0.988015914 | 0 | 6 |
| GO:0048704 | 1 | 0.97991563 | 0 | 1 |
| GO:0048705 | 1 | 0.996030731 | 0 | 2 |
| GO:0048706 | 1 | 0.98309147 | 0 | 6 |
| GO:0048707 | 1 | 0.972304063 | 0 | 14 |
| GO:0048708 | 1 | 0.984107206 | 0 | 8 |
| GO:0048709 | 1 | 0.96058418 | 0 | 20 |
| GO:0048710 | 1 | 0.991992671 | 0 | 4 |
| GO:0048711 | 1 | 0.992025058 | 0 | 4 |
| GO:0048712 | 1 | 0.978192389 | 0 | 11 |
| GO:0048713 | 1 | 0.974273728 | 0 | 13 |
| GO:0048714 | 1 | 0.998005976 | 0 | 1 |
| GO:0048715 | 1 | 0.949229685 | 0 | 26 |
| GO:0048716 | 1 | 0.990046844 | 0 | 5 |
| GO:0048717 | 1 | 0.997960596 | 0 | 1 |
| GO:0048718 | 1 | 0.982138745 | 0 | 9 |
| GO:0048769 | 1 | 0.993998111 | 0 | 3 |
| GO:0048771 | 1 | 0.982109865 | 0 | 9 |
| GO:0048786 | 1 | 0.921106566 | 0 | 41 |
| GO:0048787 | 1 | 0.978191126 | 0 | 11 |
| GO:0048788 | 1 | 0.986174576 | 0 | 7 |
| GO:0048789 | 1 | 0.99801271 | 0 | 1 |
| GO:0048790 | 1 | 0.988082826 | 0 | 6 |
| GO:0048791 | 1 | 0.98016979 | 0 | 10 |
| GO:0048792 | 1 | 0.998000781 | 0 | 1 |
| GO:0048793 | 1 | 0.990010186 | 0 | 5 |
| GO:0048794 | 1 | 0.868961173 | 0 | 70 |
| GO:0048795 | 1 | 0.928603471 | 0 | 37 |
| GO:0048796 | 1 | 0.962765125 | 0 | 19 |
| GO:0048797 | 1 | 0.990010621 | 0 | 5 |
| GO:0048798 | 1 | 0.96253407 | 0 | 19 |
| GO:0048799 | 1 | 0.99998098 | 0 | 2 |
| GO:0048800 | 1 | 0.920925603 | 0 | 41 |
| GO:0048801 | 1 | 0.99799807 | 0 | 1 |
| GO:0048802 | 1 | 0.94011947 | 0 | 3 |
| GO:0048803 | 1 | 0.99006746 | 0 | 5 |
| GO:0048804 | 1 | 0.949376883 | 0 | 26 |
| GO:0048805 | 1 | 0.95679133 | 0 | 22 |
| GO:0048806 | 1 | 0.988066406 | 0 | 6 |
| GO:0048807 | 1 | 0.984175257 | 0 | 8 |
| GO:0048808 | 1 | 0.998013437 | 0 | 1 |
| GO:0048809 | 1 | 0.997981308 | 0 | 1 |
| GO:0048810 | 1 | 0.984031991 | 0 | 8 |
| GO:0048811 | 1 | 0.956973038 | 0 | 22 |
| GO:0048812 | 1 | 0.998013437 | 0 | 1 |
| GO:0048813 | 1 | 0.900827121 | 0 | 52 |
| GO:0048814 | 1 | 0.997971629 | 0 | 1 |
| GO:0048815 | 1 | 0.993986876 | 0 | 3 |
| GO:0048816 | 1 | 0.95988589 | 0 | 2 |
| GO:0048817 | 1 | 0.98207439 | 0 | 9 |
| GO:0048818 | 1 | 0.949100579 | 0 | 26 |
| GO:0048819 | 1 | 0.9801181 | 0 | 1 |
| GO:0048820 | 1 | 0.990010186 | 0 | 5 |
| GO:0048821 | 1 | 0.96253407 | 0 | 19 |
| GO:0048822 | 1 | 0.99998098 | 0 | 2 |
| GO:0048823 | 1 | 0.920925603 | 0 | 41 |
| GO:0048824 | 1 | 0.99799807 | 0 | 1 |
| GO:0048825 | 1 | 0.94011947 | 0 | 3 |
| GO:0048826 | 1 | 0.99006746 | 0 | 5 |
| GO:0048827 | 1 | 0.949376883 | 0 | 26 |
| GO:0048828 | 1 | 0.95679133 | 0 | 22 |
| GO:0048829 | 1 | 0.988066406 | 0 | 6 |
| GO:0048830 | 1 | 0.984175257 | 0 | 8 |
| GO:0048831 | 1 | 0.998013437 | 0 | 1 |
| GO:0048832 | 1 | 0.997981308 | 0 | 1 |
| GO:0048833 | 1 | 0.984031991 | 0 | 8 |
| GO:0048834 | 1 | 0.956973038 | 0 | 22 |
| GO:0048835 | 1 | 0.998013437 | 0 | 1 |
| GO:0048836 | 1 | 0.900827121 | 0 | 52 |
| GO:0048837 | 1 | 0.997971629 | 0 | 1 |
| GO:0048838 | 1 | 0.993986876 | 0 | 3 |
| GO:0048839 | 1 | 0.95988589 | 0 | 2 |
| GO:0048840 | 1 | 0.98207439 | 0 | 9 |
| GO:0048841 | 1 | 0.949100579 | 0 | 26 |
| GO:0048842 | 1 | 0.9801181 | 0 | 1 |
| GO:0048843 | 1 | 0.990010186 | 0 | 5 |
| GO:0048844 | 1 | 0.96253407 | 0 | 19 |
| GO:0048845 | 1 | 0.95679133 | 0 | 22 |
| GO:0048846 | 1 | 0.988066406 | 0 | 6 |
| GO:0048847 | 1 | 0.984175257 | 0 | 8 |
| GO:0048848 | 1 | 0.998013437 | 0 | 1 |
| GO:0048849 | 1 | 0.997981308 | 0 | 1 |
| GO:0048850 | 1 | 0.984031991 | 0 | 8 |
| GO:0048851 | 1 | 0.956973038 | 0 | 22 |
| GO:0048852 | 1 | 0.998013437 | 0 | 1 |
| GO:0048853 | 1 | 0.900827121 | 0 | 52 |
| GO:0048854 | 1 | 0.997971629 | 0 | 1 |
| GO:0048855 | 1 | 0.993986876 | 0 | 3 |
| GO:0048856 | 1 | 0.95988589 | 0 | 2 |
| GO:0048857 | 1 | 0.98207439 | 0 | 9 |
| GO:0048858 | 1 | 0.949100579 | 0 | 26 |
| GO:0048859 | 1 | 0.9801181 | 0 | 1 |
| GO:0048860 | 1 | 0.990010186 | 0 | 5 |
| GO:0048861 | 1 | 0.96253407 | 0 | 19 |
| GO:0048862 | 1 | 0.95679133 | 0 | 22 |
| GO:0048863 | 1 | 0.98802001 | 0 | 6 |
| GO:0048864 | 1 | 0.997973469 | 0 | 1 |
| GO:0048865 | 1 | 0.998012707 | 0 | 1 |
| GO:0048866 | 1 | 0.928348733 | 0 | 37 |
| GO:0048867 | 1 | 0.93975423 | 0 | 3 |
| GO:0048868 | 1 | 0.956690558 | 0 | 22 |
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| GeneID | GO:0048875 | 1 | 0.995990019 | 0 | 2 |
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| GeneID | GO:0050048 | 1 | 0.995989427 | 0 | 2 |
| GeneID | GO:0050051 | 1 | 0.98997197 | 0 | 5 |
| GeneID | GO:0050061 | 1 | 0.998005077 | 0 | 1 |
| GeneID | GO:0050062 | 1 | 0.997987281 | 0 | 1 |
| GeneID | GO:0050072 | 1 | 0.98403963 | 0 | 8 |
| GeneID | GO:0050080 | 1 | 0.99791761 | 0 | 1 |
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| GeneID | GO:0050113 | 1 | 0.99768788 | 0 | 1 |
| GeneID | GO:0050115 | 1 | 0.998012626 | 0 | 1 |
| GeneID | GO:0050121 | 1 | 0.997969419 | 0 | 1 |
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| GeneID | GO:0050135 | 1 | 0.972296546 | 0 | 14 |
| GeneID | GO:0050136 | 1 | 0.997986438 | 0 | 1 |
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| GeneID | GO:005255 | 1 | 0.997947078 | 0 | 1 |
| GeneID | GO:005262 | 1 | 0.997990564 | 0 | 1 |
| GeneID | GO:005265 | 1 | 0.993984704 | 0 | 3 |
| GO:0050277 | 1 | 0.998005904 | 0 | 1 |
| GO:0050290 | 1 | 0.998012218 | 0 | 1 |
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| GO:0050294 | 1 | 0.991907414 | 0 | 4 |
| GO:0050295 | 1 | 0.995992346 | 0 | 2 |
| GO:0050313 | 1 | 0.997959564 | 0 | 1 |
| GO:0050321 | 1 | 0.956936403 | 0 | 22 |
| GO:0050333 | 1 | 0.997975129 | 0 | 1 |
| GO:0050337 | 1 | 0.997951841 | 0 | 1 |
| GO:0050346 | 1 | 0.997990564 | 0 | 1 |
| GO:0050347 | 1 | 0.99597848 | 0 | 2 |
| GO:0050353 | 1 | 0.997992183 | 0 | 1 |
| GO:0050354 | 1 | 0.997990564 | 0 | 1 |
| GO:0050355 | 1 | 0.998011042 | 0 | 1 |
| GO:0050405 | 1 | 0.996030372 | 0 | 2 |
| GO:0050421 | 1 | 0.992006384 | 0 | 4 |
| GO:0050427 | 1 | 0.966171293 | 0 | 17 |
| GO:0050428 | 1 | 0.988024992 | 0 | 6 |
| GO:0050431 | 1 | 0.956920364 | 0 | 2 |
| GO:0050434 | 1 | 0.952685635 | 0 | 24 |
| GO:0050435 | 1 | 0.976233422 | 0 | 12 |
| GO:0050436 | 1 | 0.994044867 | 0 | 3 |
| GO:0050459 | 1 | 0.997990564 | 0 | 1 |
| GO:0050462 | 1 | 0.997964968 | 0 | 1 |
| GO:0050473 | 1 | 0.993974509 | 0 | 3 |
| GO:0050479 | 1 | 0.997990564 | 0 | 1 |
| GO:0050480 | 1 | 0.997980886 | 0 | 1 |
| GO:0050482 | 1 | 0.966239916 | 0 | 17 |
| GO:0050483 | 1 | 0.997959086 | 0 | 1 |
| GO:0050484 | 1 | 0.998013312 | 0 | 1 |
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| GO:0050501 | 1 | 0.993978253 | 0 | 3 |
| GO:0050508 | 1 | 0.99402378 | 0 | 3 |
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| GO:0050510 | 1 | 0.992037752 | 0 | 4 |
| GO:0050512 | 1 | 0.997980071 | 0 | 1 |
| GO:0050528 | 1 | 0.997984931 | 0 | 1 |
| GO:0050543 | 1 | 0.997962172 | 0 | 1 |
| GO:0050544 | 1 | 0.989867665 | 0 | 5 |
| GO:0050560 | 1 | 0.997992902 | 0 | 1 |
| GO:0050571 | 1 | 0.997971864 | 0 | 1 |
| GO:0050577 | 1 | 0.997990564 | 0 | 1 |
| GO:0050591 | 1 | 0.995929731 | 0 | 2 |
| GO:0050613 | 1 | 0.995980813 | 0 | 2 |
| GO:0050614 | 1 | 0.998009932 | 0 | 1 |
| GO:0050632 | 1 | 0.997968397 | 0 | 1 |
| GO:0050633 | 1 | 0.993937897 | 0 | 3 |
| GO:0050647 | 1 | 0.99797447 | 0 | 1 |
| GO:0050650 | 1 | 0.984076776 | 0 | 8 |
| GO:0050651 | 1 | 0.993992247 | 0 | 3 |
| GO:0050652 | 1 | 0.998004561 | 0 | 1 |
| GO:0050653 | 1 | 0.996015567 | 0 | 2 |
| GO:0050666 | 1 | 0.985973222 | 0 | 6 |
| GO:0050667 | 1 | 0.99802927 | 0 | 2 |
| GO:0050668 | 1 | 0.990025875 | 0 | 5 |
| GO:0050672 | 1 | 0.995985661 | 0 | 2 |
| GO:0050673 | 1 | 0.998045694 | 0 | 6 |
| GO:0050674 | 1 | 0.991994521 | 0 | 4 |
| GO:0050679 | 1 | 0.998045474 | 0 | 6 |
| GO:0050682 | 1 | 0.994020989 | 0 | 3 |
| GO:0050683 | 1 | 0.998008583 | 0 | 1 |
| GO:0050684 | 1 | 0.994027158 | 0 | 13 |
| GO:0050687 | 1 | 0.995960114 | 0 | 2 |
| GO:0050689 | 1 | 0.941355502 | 0 | 30 |
| GO ID | Description       | Score | Rounded Score | Position |
|-------|-------------------|-------|---------------|----------|
| GO:0050700 | GO:0050700 | 0.970275252 | 0 15 |
| GO:0050708 | GO:0050708 | 0.968355593 | 0 16 |
| GO:0050714 | GO:0050714 | 0.919054808 | 0 42 |
| GO:0050727 | GO:0050727 | 0.847682277 | 0 82 |
| GO:0050728 | GO:0050728 | 0.842376537 | 0 85 |
| GO:0050730 | GO:0050730 | 0.960511012 | 0 20 |
| GO:0050731 | GO:0050731 | 0.993984411 | 0 3 |
| GO:0050732 | GO:0050732 | 0.997960141 | 0 1 |
| GO:0050733 | GO:0050733 | 0.96029964  | 0 2 |
| GO:0050746 | GO:0050746 | 0.995998681 | 0 2 |
| GO:0050747 | GO:0050747 | 0.997960141 | 0 1 |
| GO:0050748 | GO:0050748 | 0.996029964 | 0 2 |
| GO:0050750 | GO:0050750 | 0.958646609 | 0 21 |
| GO:0050764 | GO:0050764 | 0.982120473 | 0 9  |
| GO:0050765 | GO:0050765 | 0.962444168 | 0 19 |
| GO:0050766 | GO:0050766 | 0.926083487 | 0 38 |
| GO:0050767 | GO:0050767 | 0.93961856  | 0 34 |
| GO:0050768 | GO:0050768 | 0.954817041 | 0 23 |
| GO:0050769 | GO:0050769 | 0.939648795 | 0 31 |
| GO:0050770 | GO:0050770 | 0.955034272 | 0 23 |
| GO:0050771 | GO:0050771 | 0.962602709 | 0 19 |
| GO:0050772 | GO:0050772 | 0.932293011 | 0 35 |
| GO:0050773 | GO:0050773 | 0.962617288 | 0 19 |
| GO:0050774 | GO:0050774 | 0.98406687  | 0 8 |
| GO:0050775 | GO:0050775 | 0.960720134 | 0 20 |
| GO:0050776 | GO:0050776 | 0.982050399 | 0 9 |
| GO:0050777 | GO:0050777 | 0.991997104 | 0 4 |
| GO:0050779 | GO:0050779 | 0.99797867  | 0 1 |
| GO:0050780 | GO:0050780 | 0.997966894 | 0 1 |
| GO:0050782 | GO:0050782 | 0.981783261 | 0 9 |
| GO:0050783 | GO:0050783 | 0.995975935 | 0 2 |
| GO:0050785 | GO:0050785 | 0.588420199 | 0 263 |
| GO:0050786 | GO:0050786 | 0.987932073 | 0 6 |
| GO:0050787 | GO:0050787 | 0.99207686  | 0 4 |
| GO:0050788 | GO:0050788 | 0.996026485 | 0 2 |
| GO:0050789 | GO:0050789 | 0.98803134  | 0 6 |
| GO:0050790 | GO:0050790 | 0.89175723  | 0 57 |
| GO:0050791 | GO:0050791 | 0.992027593 | 0 4 |
| GO:0050792 | GO:0050792 | 0.970542552 | 0 15 |
| GO:0050793 | GO:0050793 | 0.863832082 | 0 73 |
| GO:0050794 | GO:0050794 | 0.986058421 | 0 7 |
| GO:0050795 | GO:0050795 | 0.966456775 | 0 17 |
| GO:0050796 | GO:0050796 | 0.952914086 | 0 24 |
| GO:0050810 | GO:0050810 | 0.982019605 | 0 9 |
| GO   | ID    | Score | Count | Value |
|------|-------|-------|-------|-------|
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| GO:0050812 | 11332 | 0.997996934 | 0 | 1 |
| GO:0050815 | 11333 | 0.991968603 | 0 | 4 |
| GO:0050816 | 11334 | 0.993990193 | 0 | 3 |
| GO:0050819 | 11335 | 0.991920681 | 0 | 4 |
| GO:0050820 | 11336 | 0.998013437 | 0 | 1 |
| GO:0050821 | 11337 | 0.690987809 | 0 | 183 |
| GO:0050823 | 11338 | 0.998001741 | 0 | 1 |
| GO:0050828 | 11339 | 0.997990564 | 0 | 1 |
| GO:0050829 | 11340 | 0.905580393 | 0 | 49 |
| GO:0050830 | 11341 | 0.972289419 | 0 | 14 |
| GO:0050832 | 11343 | 0.97868985 | 0 | 6 |
| GO:0050833 | 11344 | 0.722013644 | 0 | 161 |
| GO:0050839 | 11345 | 0.937792132 | 0 | 32 |
| GO:0050840 | 11346 | 0.980138653 | 0 | 10 |
| GO:0050847 | 11349 | 0.978012544 | 0 | 11 |
| GO:0050850 | 11350 | 0.987968985 | 0 | 6 |
| GO:0050851 | 11351 | 0.984073313 | 0 | 8 |
| GO:0050852 | 11352 | 0.978113621 | 0 | 11 |
| GO:0050853 | 11353 | 0.993956326 | 0 | 3 |
| GO:0050854 | 11354 | 0.99801336 | 0 | 10 |
| GO:0050855 | 11355 | 0.998013985 | 0 | 4 |
| GO:0050856 | 11356 | 0.998012965 | 0 | 10 |
| GO:0050857 | 11357 | 0.984073313 | 0 | 8 |
| GO:0050858 | 11358 | 0.972131373 | 0 | 14 |
| GO:0050862 | 11359 | 0.986020386 | 0 | 7 |
| GO:0050863 | 11360 | 0.958535545 | 0 | 21 |
| GO:0050864 | 11361 | 0.980101765 | 0 | 10 |
| GO:0050865 | 11362 | 0.978113621 | 0 | 11 |
| GO:0050866 | 11363 | 0.993956326 | 0 | 3 |
| GO:0050867 | 11364 | 0.99801336 | 0 | 10 |
| GO:0050868 | 11365 | 0.986020386 | 0 | 7 |
| GO:0050869 | 11366 | 0.958535545 | 0 | 21 |
| GO:0050870 | 11367 | 0.980101765 | 0 | 10 |
| GO:0050871 | 11368 | 0.980101765 | 0 | 10 |
| GO:0050872 | 11369 | 0.980139836 | 0 | 10 |
| GO:0050873 | 11370 | 0.945114875 | 0 | 28 |
| GO:0050877 | 11371 | 0.920771586 | 0 | 41 |
| GO:0050878 | 11372 | 0.992049438 | 0 | 4 |
| GO:0050881 | 11373 | 0.990038453 | 0 | 5 |
| GO:0050882 | 11374 | 0.988102864 | 0 | 6 |
| GO:0050883 | 11375 | 0.976225491 | 0 | 12 |
| GO:0050884 | 11376 | 0.936039643 | 0 | 33 |
| GO          | Count | Value  | Count2 | Value2 |
|-------------|-------|--------|--------|--------|
| GO:0050890  | 1     | 0.920955606 | 0     | 41     |
| GO:0050891  | 1     | 0.980173308  | 0     | 10     |
| GO:0050892  | 1     | 0.974259768  | 0     | 13     |
| GO:0050893  | 1     | 0.993961369  | 0     | 3      |
| GO:0050896  | 1     | 0.614919338  | 0     | 239    |
| GO:0050897  | 1     | 0.99199882   | 0     | 4      |
| GO:0050900  | 1     | 0.788662254  | 0     | 118    |
| GO:0050901  | 1     | 0.960643804  | 0     | 20     |
| GO:0050902  | 1     | 0.995989455  | 0     | 2      |
| GO:0050904  | 1     | 0.99186272   | 0     | 4      |
| GO:0050905  | 1     | 0.958650664  | 0     | 21     |
| GO:0050906  | 1     | 0.99595838   | 0     | 2      |
| GO:0050907  | 1     | 0.991893585  | 0     | 4      |
| GO:0050908  | 1     | 0.96262137   | 0     | 19     |
| GO:0050909  | 1     | 0.942870917  | 0     | 29     |
| GO:0050910  | 1     | 0.970312361  | 0     | 15     |
| GO:0050911  | 1     | 0.805118962  | 0     | 106    |
| GO:0050912  | 1     | 0.995975586  | 0     | 2      |
| GO:0050913  | 1     | 0.99001843   | 0     | 5      |
| GO:0050915  | 1     | 0.992008422  | 0     | 4      |
| GO:0050916  | 1     | 0.989977521  | 0     | 5      |
| GO:0050917  | 1     | 0.989978305  | 0     | 5      |
| GO:0050919  | 1     | 0.926883575  | 0     | 38     |
| GO:0050920  | 1     | 0.986049505  | 0     | 7      |
| GO:0050921  | 1     | 0.970140507  | 0     | 15     |
| GO:0050922  | 1     | 0.995986117  | 0     | 2      |
| GO:0050923  | 1     | 0.998000404  | 0     | 1      |
| GO:0050925  | 1     | 0.996030731  | 0     | 2      |
| GO:0050927  | 1     | 0.97821161   | 0     | 11     |
| GO:0050928  | 1     | 0.998013263  | 0     | 1      |
| GO:0050929  | 1     | 0.998012848  | 0     | 1      |
| GO:0050930  | 1     | 0.97404984   | 0     | 13     |
| GO:0050942  | 1     | 0.995985075  | 0     | 2      |
| GO:0050951  | 1     | 0.990104979  | 0     | 5      |
| GO:0050953  | 1     | 0.980172962  | 0     | 10     |
| GO:0050954  | 1     | 0.995969177  | 0     | 2      |
| GO:0050955  | 1     | 0.996026083  | 0     | 2      |
| GO:0050957  | 1     | 0.988071315  | 0     | 6      |
| GO:0050960  | 1     | 0.998008787  | 0     | 1      |
| GO:0050961  | 1     | 0.97990564   | 0     | 1      |
| GO:0050965  | 1     | 0.98008916   | 0     | 10     |
| GO:0050966  | 1     | 0.980124802  | 0     | 10     |
| GO:0050968  | 1     | 0.996003262  | 0     | 2      |
| GO:0050973  | 1     | 0.998013437  | 0     | 1      |
| GO:0050974  | 1     | 0.989975075  | 0     | 5      |
| ID   | GO:ID      | Score | Normalized | Fold Change |
|------|------------|-------|------------|-------------|
| 11424 | GO:0050975 | 0.9955 | 0          | 2           |
| 11425 | GO:0050976 | 0.9980 | 0          | 1           |
| 11426 | GO:0050982 | 0.9762 | 0          | 12          |
| 11427 | GO:0050992 | 0.9979 | 0          | 1           |
| 11428 | GO:0050994 | 0.9939 | 0          | 3           |
| 11429 | GO:0050995 | 0.9702 | 0          | 15          |
| 11430 | GO:0050996 | 0.9920 | 0          | 4           |
| 11431 | GO:0050998 | 0.9723 | 0          | 14          |
| 11432 | GO:0050999 | 0.9586 | 0          | 21          |
| 11433 | GO:0051000 | 0.9606 | 0          | 20          |
| 11434 | GO:0051001 | 0.9839 | 0          | 8           |
| 11435 | GO:0051004 | 0.9900 | 0          | 5           |
| 11436 | GO:0051005 | 0.9919 | 0          | 4           |
| 11437 | GO:0051006 | 0.9879 | 0          | 6           |
| 11438 | GO:0051008 | 0.9979 | 0          | 1           |
| 11439 | GO:0051010 | 0.9608 | 0          | 20          |
| 11440 | GO:0051011 | 0.9743 | 0          | 13          |
| 11441 | GO:0051012 | 0.9960 | 0          | 2           |
| 11442 | GO:0051013 | 0.9762 | 0          | 12          |
| 11443 | GO:0051014 | 0.9742 | 0          | 13          |
| 11444 | GO:0051015 | 0.6766 | 0          | 194         |
| 11445 | GO:0051016 | 0.9586 | 0          | 21          |
| 11446 | GO:0051017 | 0.9322 | 0          | 35          |
| 11447 | GO:0051018 | 0.9569 | 0          | 22          |
| 11448 | GO:0051019 | 0.9453 | 0          | 28          |
| 11449 | GO:0051020 | 0.9320 | 0          | 35          |
| 11450 | GO:0051021 | 0.9979 | 0          | 1           |
| 11451 | GO:0051022 | 0.9939 | 0          | 3           |
| 11452 | GO:0051026 | 0.9880 | 0          | 6           |
| 11454 | GO:0051029 | 0.9979 | 0          | 1           |
| 11455 | GO:0051031 | 0.9979 | 0          | 1           |
| 11456 | GO:0051032 | 0.9980 | 0          | 1           |
| 11457 | GO:0051033 | 0.9940 | 0          | 3           |
| 11458 | GO:0051036 | 0.9940 | 0          | 3           |
| 11459 | GO:0051039 | 0.9979 | 0          | 1           |
| 11460 | GO:0051041 | 0.9979 | 0          | 1           |
| 11461 | GO:0051042 | 0.9979 | 0          | 1           |
| 11462 | GO:0051044 | 0.9703 | 0          | 15          |
| 11463 | GO:0051045 | 0.9840 | 0          | 8           |
| 11464 | GO:0051046 | 0.9960 | 0          | 2           |
| 11465 | GO:0051047 | 0.9920 | 0          | 4           |
| 11466 | GO:0051048 | 0.9940 | 0          | 3           |
| 11467 | GO:0051049 | 0.9940 | 0          | 3           |
| 11468 | GO:0051050 | 0.9979 | 0          | 1           |
| 11469 | GO:0051051 | 0.9919 | 0          | 4           |
| GO:0051053 | 1 | 0.998001782 | 0 | 1 |
| GO:0051054 | 1 | 0.995938446 | 0 | 2 |
| GO:0051055 | 1 | 0.992019065 | 0 | 4 |
| GO:0051056 | 1 | 0.762762759 | 0 | 135 |
| GO:0051057 | 1 | 0.988112568 | 0 | 31 |
| GO:0051058 | 1 | 0.986102219 | 0 | 7 |
| GO:0051059 | 1 | 0.990009688 | 0 | 5 |
| GO:0051066 | 1 | 0.995954433 | 0 | 3 |
| GO:0051068 | 1 | 0.998002843 | 0 | 1 |
| GO:0051081 | 1 | 0.990009688 | 0 | 5 |
| GO:0051082 | 1 | 0.807092813 | 0 | 106 |
| GO:0051083 | 1 | 0.995960379 | 0 | 2 |
| GO:0051084 | 1 | 0.991977408 | 0 | 4 |
| GO:0051085 | 1 | 0.939393502 | 0 | 31 |
| GO:0051086 | 1 | 0.99797802 | 0 | 1 |
| GO:0051087 | 1 | 0.810679762 | 0 | 104 |
| GO:0051089 | 1 | 0.998006948 | 0 | 1 |
| GO:0051090 | 1 | 0.951081999 | 0 | 25 |
| GO:0051092 | 1 | 0.734463457 | 0 | 153 |
| GO:0051096 | 1 | 0.988029295 | 0 | 6 |
| GO:0051098 | 1 | 0.992045496 | 0 | 4 |
| GO:0051099 | 1 | 0.987963955 | 0 | 6 |
| GO:0051100 | 1 | 0.995971317 | 0 | 2 |
| GO:0051101 | 1 | 0.987898743 | 0 | 6 |
| GO:0051102 | 1 | 0.998006075 | 0 | 1 |
| GO:0051103 | 1 | 0.992000572 | 0 | 4 |
| GO:0051106 | 1 | 0.991997243 | 0 | 4 |
| GO:0051117 | 1 | 0.844315442 | 0 | 84 |
| GO:0051119 | 1 | 0.99790564 | 0 | 1 |
| GO:0051120 | 1 | 0.99592687 | 0 | 2 |
| GO:0051121 | 1 | 0.98798452 | 0 | 1 |
| GO:0051122 | 1 | 0.981968304 | 0 | 9 |
| GO:0051123 | 1 | 0.980023832 | 0 | 10 |
| GO:0051124 | 1 | 0.994039845 | 0 | 3 |
| GO:0051125 | 1 | 0.995985036 | 0 | 2 |
| GO:0051126 | 1 | 0.993965165 | 0 | 3 |
| GO:0051127 | 1 | 0.992029934 | 0 | 4 |
| GO:0051128 | 1 | 0.994036432 | 0 | 3 |
| GO:0051130 | 1 | 0.998013428 | 0 | 1 |
| GO:0051131 | 1 | 0.958440063 | 0 | 21 |
| GO:0051135 | 1 | 0.991949211 | 0 | 4 |
| GO:0051136 | 1 | 0.99598927 | 0 | 2 |
| GO:0051138 | 1 | 0.992039258 | 0 | 4 |
| GO:0051139 | 1 | 0.998006135 | 0 | 1 |
| GO:0051141 | 1 | 0.998003192 | 0 | 1 |
| ID   | GO:     | Value | Count | Term  |
|------|---------|-------|-------|-------|
| 11517| GO:0051142| 0.993935161 | 3     |       |
| 11518| GO:0051145| 0.972308518 | 14    |       |
| 11519| GO:0051146| 0.966532567 | 17    |       |
| 11520| GO:0051147| 0.988065666 | 6     |       |
| 11521| GO:0051148| 0.982073141 | 9     |       |
| 11522| GO:0051149| 0.956882625 | 22    |       |
| 11523| GO:0051150| 0.992030324 | 4     |       |
| 11524| GO:0051151| 0.98605816  | 7     |       |
| 11525| GO:0051152| 0.989960293 | 5     |       |
| 11526| GO:0051153| 0.996026918 | 2     |       |
| 11527| GO:0051154| 0.995963397 | 2     |       |
| 11528| GO:0051155| 0.985946626 | 7     |       |
| 11529| GO:0051156| 0.982096591 | 9     |       |
| 11530| GO:0051160| 0.997987078 | 1     |       |
| 11531| GO:0051164| 0.997987078 | 1     |       |
| 11532| GO:0051168| 0.970406134 | 15    |       |
| 11533| GO:0051169| 0.986059211 | 7     |       |
| 11534| GO:0051170| 0.95834549  | 21    |       |
| 11535| GO:0051173| 0.997972866 | 1     |       |
| 11536| GO:0051177| 0.989957781 | 5     |       |
| 11537| GO:0051180| 0.98996735  | 5     |       |
| 11538| GO:0051204| 0.993981236 | 3     |       |
| 11539| GO:0051205| 0.983996011 | 8     |       |
| 11540| GO:0051208| 0.990024161 | 5     |       |
| 11542| GO:0051213| 0.846204563 | 83    |       |
| 11543| GO:0051216| 0.875782869 | 66    |       |
| 11544| GO:0051219| 0.9302599   | 36    |       |
| 11545| GO:0051220| 0.98608143  | 7     |       |
| 11546| GO:0051222| 0.98015039  | 6     |       |
| 11547| GO:0051223| 0.98601801  | 7     |       |
| 11548| GO:0051224| 0.988012058 | 6     |       |
| 11549| GO:0051225| 0.93027793  | 36    |       |
| 11550| GO:0051228| 0.99602328  | 2     |       |
| 11551| GO:0051233| 0.950955158 | 25    |       |
| 11552| GO:0051238| 0.997948824 | 1     |       |
| 11553| GO:0051246| 0.982076705 | 9     |       |
| 11554| GO:0051247| 0.980065988 | 10    |       |
| 11555| GO:0051248| 0.996004507 | 2     |       |
| 11556| GO:0051249| 0.995980971 | 2     |       |
| 11557| GO:0051250| 0.994034535 | 3     |       |
| 11558| GO:0051251| 0.997985434 | 1     |       |
| 11559| GO:0051252| 0.980119728 | 10    |       |
| 11560| GO:0051255| 0.993965121 | 3     |       |
| 11561| GO:0051256| 0.986008209 | 7     |       |
| 11562| GO:0051257| 0.995998977 | 2     |       |
| GO:0051258 | 1 | 0.976020043 | 0 | 12 |
| GO:0051259 | 1 | 0.964474652 | 0 | 18 |
| GO:0051260 | 1 | 0.822790708 | 0 | 97 |
| GO:0051261 | 1 | 0.998000052 | 0 | 1 |
| GO:0051262 | 1 | 0.960719915 | 0 | 20 |
| GO:0051263 | 1 | 0.97991424 | 0 | 1 |
| GO:0051264 | 1 | 0.998012834 | 0 | 1 |
| GO:0051265 | 1 | 0.988051834 | 0 | 6 |
| GO:0051266 | 1 | 0.98013035 | 0 | 10 |
| GO:0051267 | 1 | 0.945251899 | 0 | 28 |
| GO:0051268 | 1 | 0.972257952 | 0 | 14 |
| GO:0051269 | 1 | 0.995945607 | 0 | 2 |
| GO:0051270 | 1 | 0.995983129 | 0 | 2 |
| GO:0051271 | 1 | 0.997993242 | 0 | 1 |
| GO:0051272 | 1 | 0.993975557 | 0 | 3 |
| GO:0051273 | 1 | 0.992031387 | 0 | 4 |
| GO:0051274 | 1 | 0.926232929 | 0 | 38 |
| GO:0051275 | 1 | 0.970369265 | 0 | 15 |
| GO:0051276 | 1 | 0.984062521 | 0 | 8 |
| GO:0051277 | 1 | 0.982118748 | 0 | 9 |
| GO:0051278 | 1 | 0.989918928 | 0 | 5 |
| GO:0051279 | 1 | 0.99082587 | 0 | 5 |
| GO:0051280 | 1 | 0.992061644 | 0 | 4 |
| GO:0051281 | 1 | 0.968538892 | 0 | 16 |
| GO:0051282 | 1 | 0.995989609 | 0 | 2 |
| GO:0051283 | 1 | 0.43712011 | 0 | 408 |
| GO:0051284 | 1 | 0.97807923 | 0 | 11 |
| GO:0051285 | 1 | 0.99591531 | 0 | 2 |
| GO:0051286 | 1 | 0.990073085 | 0 | 5 |
| GO:0051287 | 1 | 0.994000588 | 0 | 3 |
| GO:0051288 | 1 | 0.998013437 | 0 | 1 |
| GO:0051289 | 1 | 0.997990564 | 0 | 1 |
| GO:0051290 | 1 | 0.997970913 | 0 | 1 |
| GO:0051291 | 1 | 0.991972883 | 0 | 4 |
| GO:0051292 | 1 | 0.989999784 | 0 | 5 |
| GO:0051293 | 1 | 0.992011327 | 0 | 4 |
| GO:0051294 | 1 | 0.988024053 | 0 | 6 |
| GO:0051295 | 1 | 0.998013437 | 0 | 1 |
| ID    | GO:0051350 | 1   | 0.997964583 | 0  | 1  |
|-------|-------------|-----|-------------|----|----|
| ID    | GO:0051351 | 1   | 0.99193297  | 0  | 4  |
| ID    | GO:0051353 | 1   | 0.988048329 | 0  | 6  |
| ID    | GO:0051354 | 1   | 0.9879657   | 0  | 6  |
| ID    | GO:0051365 | 1   | 0.995989121 | 0  | 2  |
| ID    | GO:0051371 | 1   | 0.97229502  | 0  | 14 |
| ID    | GO:0051373 | 1   | 0.993945783 | 0  | 3  |
| ID    | GO:0051377 | 1   | 0.991994386 | 0  | 4  |
| ID    | GO:0051378 | 1   | 0.987995072 | 0  | 6  |
| ID    | GO:0051379 | 1   | 0.989972512 | 0  | 5  |
| ID    | GO:0051380 | 1   | 0.993964555 | 0  | 3  |
| ID    | GO:0051382 | 1   | 0.970262924 | 0  | 15 |
| ID    | GO:0051383 | 1   | 0.98800191  | 0  | 6  |
| ID    | GO:0051384 | 1   | 0.889569386 | 0  | 58 |
| ID    | GO:0051385 | 1   | 0.994023653 | 0  | 3  |
| ID    | GO:0051386 | 1   | 0.996028198 | 0  | 2  |
| ID    | GO:0051387 | 1   | 0.993965346 | 0  | 3  |
| ID    | GO:0051388 | 1   | 0.986050971 | 0  | 7  |
| ID    | GO:0051389 | 1   | 0.9960299   | 0  | 2  |
| ID    | GO:0051391 | 1   | 0.998007125 | 0  | 1  |
| ID    | GO:0051393 | 1   | 0.972362831 | 0  | 14 |
| ID    | GO:0051400 | 1   | 0.991954778 | 0  | 4  |
| ID    | GO:0051402 | 1   | 0.922690492 | 0  | 40 |
| ID    | GO:0051403 | 1   | 0.947071953 | 0  | 27 |
| ID    | GO:0051409 | 1   | 0.992000705 | 0  | 4  |
| ID    | GO:0051410 | 1   | 0.995985075 | 0  | 2  |
| ID    | GO:0051412 | 1   | 0.970238617 | 0  | 15 |
| ID    | GO:0051413 | 1   | 0.997986797 | 0  | 1  |
| ID    | GO:0051414 | 1   | 0.99202547  | 0  | 4  |
| ID    | GO:0051415 | 1   | 0.997990564 | 0  | 1  |
| ID    | GO:0051418 | 1   | 0.998013437 | 0  | 1  |
| ID    | GO:0051425 | 1   | 0.994025607 | 0  | 3  |
| ID    | GO:0051427 | 1   | 0.99392822  | 0  | 3  |
| ID    | GO:0051428 | 1   | 0.988000419 | 0  | 6  |
| ID    | GO:0051429 | 1   | 0.99592797  | 0  | 2  |
| ID    | GO:0051430 | 1   | 0.993953488 | 0  | 3  |
| ID    | GO:0051431 | 1   | 0.993888556 | 0  | 3  |
| ID    | GO:0051433 | 1   | 0.998011412 | 0  | 1  |
| ID    | GO:0051434 | 1   | 0.987977202 | 0  | 6  |
| ID    | GO:0051438 | 1   | 0.994017576 | 0  | 3  |
| ID    | GO:0051443 | 1   | 0.962534061 | 0  | 19 |
| ID    | GO:0051444 | 1   | 0.982092558 | 0  | 9  |
| ID    | GO:0051445 | 1   | 0.995995299 | 0  | 2  |
| ID    | GO:0051447 | 1   | 0.991962388 | 0  | 4  |
| ID    | GO:0051450 | 1   | 0.991990278 | 0  | 4  |
| GO:0051451          | 1     | 0.982120232 | 0  | 9    |
|---------------------|-------|-------------|----|------|
| GO:0051452          | 1     | 0.991959312 | 0  | 4    |
| GO:0051453          | 1     | 0.947345804 | 0  | 27   |
| GO:0051454          | 1     | 0.992005034 | 0  | 4    |
| GO:0051455          | 1     | 0.997990564 | 0  | 1    |
| GO:0051457          | 1     | 0.97222639  | 0  | 14   |
| GO:0051461          | 1     | 0.991941153 | 0  | 4    |
| GO:0051463          | 1     | 0.998013437 | 0  | 1    |
| GO:0051464          | 1     | 0.99594951  | 0  | 2    |
| GO:0051466          | 1     | 0.995984795 | 0  | 2    |
| GO:0051480          | 1     | 0.947254569 | 0  | 27   |
| GO:0051482          | 1     | 0.950832415 | 0  | 25   |
| GO:0051489          | 1     | 0.974250748 | 0  | 13   |
| GO:0051490          | 1     | 0.989998753 | 0  | 5    |
| GO:0051491          | 1     | 0.945491379 | 0  | 28   |
| GO:0051492          | 1     | 0.96846114  | 0  | 16   |
| GO:0051493          | 1     | 0.951032224 | 0  | 25   |
| GO:0051494          | 1     | 0.997990564 | 0  | 1    |
| GO:0051495          | 1     | 0.989981081 | 0  | 5    |
| GO:0051496          | 1     | 0.900881434 | 0  | 52   |
| GO:0051497          | 1     | 0.951211001 | 0  | 25   |
| GO:0051499          | 1     | 0.995961922 | 0  | 2    |
| GO:0051500          | 1     | 0.995961922 | 0  | 2    |
| GO:0051503          | 1     | 0.995972207 | 0  | 2    |
| GO:0051525          | 1     | 0.994019283 | 0  | 3    |
| GO:0051537          | 1     | 0.956513931 | 0  | 22   |
| GO:0051538          | 1     | 0.993968113 | 0  | 3    |
| GO:0051541          | 1     | 0.996012159 | 0  | 2    |
| GO:0051542          | 1     | 0.998013437 | 0  | 1    |
| GO:0051545          | 1     | 0.997984394 | 0  | 1    |
| GO:0051546          | 1     | 0.989983495 | 0  | 5    |
| GO:0051548          | 1     | 0.996030709 | 0  | 2    |
| GO:0051549          | 1     | 0.978250618 | 0  | 11   |
| GO:0051552          | 1     | 0.987995355 | 0  | 6    |
| GO:0051560          | 1     | 0.968406235 | 0  | 16   |
| GO:0051561          | 1     | 0.978075139 | 0  | 11   |
| GO:0051562          | 1     | 0.994009458 | 0  | 3    |
| GO:0051563          | 1     | 0.996018678 | 0  | 2    |
| GO:0051567          | 1     | 0.982215971 | 0  | 9    |
| GO:0051568          | 1     | 0.958679368 | 0  | 21   |
| GO:0051569          | 1     | 0.984085578 | 0  | 8    |
| GO:0051570          | 1     | 0.994044875 | 0  | 3    |
| GO:0051571          | 1     | 0.968468728 | 0  | 16   |
| GO:0051572          | 1     | 0.988056597 | 0  | 6    |
| GO:0051573          | 1     | 0.988106404 | 0  | 6    |
| ID    | GO       | Value   | Count | Score   |
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| 11704 | GO:0051575 | 1       | 0.988012295 | 6       |
| 11705 | GO:0051580 | 1       | 0.9939627 | 3       |
| 11706 | GO:0051582 | 1       | 0.99790564 | 1       |
| 11707 | GO:0051583 | 1       | 0.991969924 | 4       |
| 11708 | GO:0051584 | 1       | 0.99395213 | 3       |
| 11709 | GO:0051585 | 1       | 0.97996934 | 1       |
| 11710 | GO:0051586 | 1       | 0.993939032 | 3       |
| 11711 | GO:0051587 | 1       | 0.98818311 | 53      |
| 11712 | GO:0051592 | 1       | 0.985983877 | 2       |
| 11713 | GO:0051593 | 1       | 0.994013785 | 3       |
| 11714 | GO:0051594 | 1       | 0.990048716 | 5       |
| 11715 | GO:0051595 | 1       | 0.99200459 | 4       |
| 11716 | GO:0051597 | 1       | 0.998013429 | 1       |
| 11717 | GO:0051598 | 1       | 0.998013437 | 1       |
| 11718 | GO:0051602 | 1       | 0.95282132 | 24      |
| 11719 | GO:0051603 | 1       | 0.94365784 | 18      |
| 11720 | GO:0051604 | 1       | 0.965999152 | 2       |
| 11721 | GO:0051605 | 1       | 0.998013429 | 1       |
| 11722 | GO:0051606 | 1       | 0.94365784 | 18      |
| 11723 | GO:0051607 | 1       | 0.965999152 | 2       |
| 11724 | GO:0051608 | 1       | 0.998013429 | 1       |
| 11725 | GO:0051609 | 1       | 0.998013429 | 1       |
| 11726 | GO:0051610 | 1       | 0.99200459 | 4       |
| 11727 | GO:0051611 | 1       | 0.998013429 | 1       |
| 11728 | GO:0051612 | 1       | 0.993996 | 3       |
| 11729 | GO:0051613 | 1       | 0.996010058 | 2       |
| 11730 | GO:0051614 | 1       | 0.992005557 | 4       |
| 11731 | GO:0051615 | 1       | 0.995976268 | 2       |
| 11732 | GO:0051616 | 1       | 0.997996934 | 1       |
| 11733 | GO:0051617 | 1       | 0.997975371 | 1       |
| 11734 | GO:0051618 | 1       | 0.996010058 | 2       |
| 11735 | GO:0051619 | 1       | 0.997990564 | 1       |
| 11736 | GO:0051620 | 1       | 0.976273508 | 12      |
| 11737 | GO:0051621 | 1       | 0.996004302 | 2       |
| 11738 | GO:0051622 | 1       | 0.998013193 | 1       |
| 11739 | GO:0051623 | 1       | 0.964586754 | 18      |
| 11740 | GO:0051624 | 1       | 0.955905615 | 2       |
| 11741 | GO:0051625 | 1       | 0.988059428 | 6       |
| 11742 | GO:0051626 | 1       | 0.980131772 | 10      |
| 11743 | GO:0051627 | 1       | 0.990012154 | 5       |
| 11744 | GO:0051628 | 1       | 0.995997945 | 2       |
| 11745 | GO:0051629 | 1       | 0.986020482 | 7       |
| 11746 | GO:0051630 | 1       | 0.988016409 | 6       |
| 11747 | GO:0051631 | 1       | 0.997963771 | 1       |
| 11748 | GO:0051632 | 1       | 0.990050582 | 5       |
| 11749 | GO:0051633 | 1       | 0.993989159 | 3       |
| GO:0051656 | 1 | 0.995997675 | 0 | 2 |
| GO:0051659 | 1 | 0.995988819 | 0 | 2 |
| GO:0051660 | 1 | 0.980179111 | 0 | 10 |
| GO:0051661 | 1 | 0.988076863 | 0 | 6 |
| GO:0051664 | 1 | 0.99790564 | 0 | 1 |
| GO:0051665 | 1 | 0.997991116 | 0 | 1 |
| GO:0051666 | 1 | 0.997976058 | 0 | 1 |
| GO:0051668 | 1 | 0.995958347 | 0 | 1 |
| GO:0051669 | 1 | 0.98400654 | 0 | 8 |
| GO:0051673 | 1 | 0.995958347 | 0 | 2 |
| GO:0051683 | 1 | 0.994030917 | 0 | 3 |
| GO:0051684 | 1 | 0.994030917 | 0 | 3 |
| GO:0051685 | 1 | 0.994030917 | 0 | 1 |
| GO:0051693 | 1 | 0.966483078 | 0 | 17 |
| GO:0051694 | 1 | 0.988033923 | 0 | 6 |
| GO:0051697 | 1 | 0.99792647 | 0 | 1 |
| GO:0051701 | 1 | 0.995944309 | 0 | 2 |
| GO:0051702 | 1 | 0.98992592 | 0 | 5 |
| GO:0051707 | 1 | 0.98992592 | 0 | 5 |
| GO:0051709 | 1 | 0.99796551 | 0 | 1 |
| GO:0051712 | 1 | 0.99401956 | 0 | 3 |
| GO:0051717 | 1 | 0.998013415 | 0 | 1 |
| GO:0051722 | 1 | 0.997986015 | 0 | 1 |
| GO:0051723 | 1 | 0.997986015 | 0 | 1 |
| GO:0051724 | 1 | 0.993975906 | 0 | 3 |
| GO:0051725 | 1 | 0.98998146 | 0 | 5 |
| GO:0051729 | 1 | 0.99400949 | 0 | 3 |
| GO:0051731 | 1 | 0.995991665 | 0 | 2 |
| GO:0051733 | 1 | 0.997974295 | 0 | 1 |
| GO:0051734 | 1 | 0.995952251 | 0 | 2 |
| GO:0051736 | 1 | 0.997974295 | 0 | 1 |
| GO:0051747 | 1 | 0.997959145 | 0 | 1 |
| GO:0051748 | 1 | 0.997959145 | 0 | 1 |
| GO:0051749 | 1 | 0.993975906 | 0 | 3 |
| GO:0051751 | 1 | 0.98998146 | 0 | 5 |
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| GO:0051755 | 1 | 0.995991665 | 0 | 2 |
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| GO:0051761 | 1 | 0.995991665 | 0 | 2 |
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| GO:0051763 | 1 | 0.995991665 | 0 | 2 |
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| GO:0051768 | 1 | 0.995991665 | 0 | 2 |
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| GO:0051771 | 1 | 0.995991665 | 0 | 2 |
| GO:0051772 | 1 | 0.995991665 | 0 | 2 |
| GO:0051773 | 1 | 0.995991665 | 0 | 2 |
| GO:0051774 | 1 | 0.995991665 | 0 | 2 |
| GO:0051775 | 1 | 0.995991665 | 0 | 2 |
| GO:0051776 | 1 | 0.995991665 | 0 | 2 |
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| GO:0051779 | 1 | 0.995991665 | 0 | 2 |
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| GO:0051781 | 1 | 0.995991665 | 0 | 2 |
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| GO:0051784 | 1 | 0.995991665 | 0 | 2 |
| GO:0051785 | 1 | 0.995991665 | 0 | 2 |
| GO:0051786 | 1 | 0.995991665 | 0 | 2 |
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| GO:0051788 | 1 | 0.995991665 | 0 | 2 |
| GO:0051789 | 1 | 0.995991665 | 0 | 2 |
| GO:0051790 | 1 | 0.995991665 | 0 | 2 |
| GO:0051791 | 1 | 0.995991665 | 0 | 2 |
| GO:0051792 | 1 | 0.995991665 | 0 | 2 |
| GO:0051793 | 1 | 0.995991665 | 0 | 2 |
| GO:0051794 | 1 | 0.995991665 | 0 | 2 |
| GO:0051795 | 1 | 0.995991665 | 0 | 2 |
| GO:0051796 | 1 | 0.995991665 | 0 | 2 |
| GO:0051797 | 1 | 0.995991665 | 0 | 2 |
| ID   | GO:0051790 | 1 | 0.997965658 | 0 | 1 |
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| 11800 GO:0051792 | 1 | 0.987932365 | 0 | 6 |
| 11801 GO:0051793 | 1 | 0.989957697 | 0 | 5 |
| 11802 GO:0051794 | 1 | 0.998013192 | 0 | 1 |
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| 11804 GO:0051796 | 1 | 0.998009912 | 0 | 1 |
| 11805 GO:0051797 | 1 | 0.995991978 | 0 | 2 |
| 11806 GO:0051798 | 1 | 0.985939786 | 0 | 7 |
| 11807 GO:0051799 | 1 | 0.993998316 | 0 | 3 |
| 11808 GO:0051800 | 1 | 0.998013415 | 0 | 1 |
| 11809 GO:0051823 | 1 | 0.992014148 | 0 | 4 |
| 11810 GO:0051835 | 1 | 0.992001426 | 0 | 4 |
| 11811 GO:0051838 | 1 | 0.987892673 | 0 | 6 |
| 11812 GO:0051861 | 1 | 0.991954199 | 0 | 4 |
| 11813 GO:0051864 | 1 | 0.98021105 | 0 | 10 |
| 11814 GO:0051865 | 1 | 0.870430665 | 0 | 69 |
| 11815 GO:0051866 | 1 | 0.998002118 | 0 | 1 |
| 11816 GO:0051870 | 1 | 0.995971903 | 0 | 2 |
| 11817 GO:0051873 | 1 | 0.995924951 | 0 | 2 |
| 11818 GO:0051875 | 1 | 0.99600866 | 0 | 2 |
| 11819 GO:0051877 | 1 | 0.995988995 | 0 | 2 |
| 11820 GO:0051878 | 1 | 0.99800189 | 0 | 1 |
| 11822 GO:0051880 | 1 | 0.980176975 | 0 | 10 |
| 11823 GO:0051881 | 1 | 0.94492835 | 0 | 28 |
| 11824 GO:0051882 | 1 | 0.99397753 | 0 | 3 |
| 11825 GO:0051884 | 1 | 0.996008433 | 0 | 2 |
| 11826 GO:0051885 | 1 | 0.996000349 | 0 | 2 |
| 11827 GO:0051886 | 1 | 0.998013146 | 0 | 1 |
| 11828 GO:0051891 | 1 | 0.994029603 | 0 | 3 |
| 11829 GO:0051893 | 1 | 0.95309998 | 0 | 24 |
| 11830 GO:0051894 | 1 | 0.94928523 | 0 | 26 |
| 11831 GO:0051895 | 1 | 0.964614602 | 0 | 18 |
| 11832 GO:0051896 | 1 | 0.972255622 | 0 | 14 |
| 11833 GO:0051897 | 1 | 0.725845701 | 0 | 159 |
| 11834 GO:0051898 | 1 | 0.915382649 | 0 | 44 |
| 11835 GO:0051899 | 1 | 0.960649418 | 0 | 20 |
| 11836 GO:0051900 | 1 | 0.990032448 | 0 | 5 |
| 11837 GO:0051901 | 1 | 0.983975882 | 0 | 8 |
| 11839 GO:0051903 | 1 | 0.995971143 | 0 | 2 |
| 11840 GO:0051904 | 1 | 0.99600866 | 0 | 2 |
| 11841 GO:0051908 | 1 | 0.997997419 | 0 | 1 |
| 11842 GO:0051915 | 1 | 0.998013437 | 0 | 1 |
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| 11846  | GO:0051919|           | 0.993958894 | 0 | 3       |
| 11847  | GO:0051920|           | 0.985858639 | 0 | 7       |
| 11848  | GO:0051923|           | 0.972079455 | 0 | 14      |
| 11849  | GO:0051924|           | 0.954890539 | 0 | 23      |
| 11850  | GO:0051926|           | 0.98015446  | 0 | 10      |
| 11851  | GO:0051928|           | 0.952871329 | 0 | 24      |
| 11852  | GO:0051930|           | 0.958650281 | 0 | 21      |
| 11853  | GO:0051932|           | 0.978176606 | 0 | 11      |
| 11854  | GO:0051935|           | 0.998013437 | 0 | 1       |
| 11855  | GO:0051936|           | 0.99199354  | 0 | 4       |
| 11856  | GO:0051938|           | 0.996012226 | 0 | 2       |
| 11857  | GO:0051939|           | 0.992008609 | 0 | 4       |
| 11858  | GO:0051946|           | 0.996030686 | 0 | 2       |
| 11859  | GO:0051951|           | 0.998005048 | 0 | 1       |
| 11860  | GO:0051956|           | 0.995985193 | 0 | 2       |
| 11861  | GO:0051957|           | 0.99596458  | 0 | 2       |
| 11862  | GO:0051958|           | 0.996009224 | 0 | 2       |
| 11863  | GO:0051959|           | 0.947454845 | 0 | 27      |
| 11864  | GO:0051960|           | 0.997985733 | 0 | 1       |
| 11865  | GO:0051961|           | 0.997990564 | 0 | 1       |
| 11866  | GO:0051963|           | 0.982200269 | 0 | 9       |
| 11867  | GO:0051964|           | 0.990092624 | 0 | 5       |
| 11868  | GO:0051965|           | 0.915670362 | 0 | 44      |
| 11869  | GO:0051966|           | 0.949259331 | 0 | 26      |
| 11870  | GO:0051967|           | 0.990023802 | 0 | 5       |
| 11871  | GO:0051968|           | 0.962665947 | 0 | 19      |
| 11872  | GO:0051969|           | 0.993927192 | 0 | 3       |
| 11873  | GO:0051970|           | 0.99598826  | 0 | 2       |
| 11874  | GO:0051971|           | 0.998013437 | 0 | 1       |
| 11875  | GO:0051972|           | 0.992009109 | 0 | 4       |
| 11876  | GO:0051973|           | 0.93387658  | 0 | 34      |
| 11877  | GO:0051974|           | 0.974184982 | 0 | 13      |
| 11878  | GO:0051977|           | 0.995945888 | 0 | 2       |
| 11879  | GO:0051978|           | 0.997981704 | 0 | 1       |
| 11880  | GO:0051983|           | 0.982095531 | 0 | 9       |
| 11881  | GO:0051984|           | 0.990087476 | 0 | 5       |
| 11882  | GO:0051987|           | 0.993977504 | 0 | 3       |
| 11883  | GO:0051988|           | 0.986060123 | 0 | 7       |
| 11884  | GO:0051990|           | 0.997988044 | 0 | 1       |
| 11885  | GO:0051996|           | 0.997980382 | 0 | 1       |
| 11886  | GO:0051998|           | 0.997990564 | 0 | 1       |
| 11887  | GO:0052031|           | 0.985950064 | 0 | 7       |
| 11888  | GO:0052314|           | 0.997978943 | 0 | 1       |
| 11889  | GO:0052362|           | 0.997972358 | 0 | 1       |
| GO:0052373 | 1 | 0.997953748 | 0 | 1 |
| GO:0052381 | 1 | 0.997980773 | 0 | 1 |
| GO:0052405 | 1 | 0.993912082 | 0 | 3 |
| GO:0052547 | 1 | 0.981906398 | 0 | 9 |
| GO:0052548 | 1 | 0.984049826 | 0 | 8 |
| GO:0052590 | 1 | 0.998013437 | 0 | 1 |
| GO:0052591 | 1 | 0.998013437 | 0 | 1 |
| GO:0052593 | 1 | 0.996000206 | 0 | 2 |
| GO:0052594 | 1 | 0.996000206 | 0 | 2 |
| GO:0052595 | 1 | 0.996000206 | 0 | 2 |
| GO:0052596 | 1 | 0.996000206 | 0 | 2 |
| GO:0052597 | 1 | 0.997990564 | 0 | 1 |
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| GO:0052599 | 1 | 0.997990564 | 0 | 1 |
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| GO:0052629 | 1 | 0.986114284 | 0 | 7 |
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| GO:0052642 | 1 | 0.993959931 | 0 | 2 |
| GO:0052650 | 1 | 0.979961341 | 0 | 10 |
| GO:0052651 | 1 | 0.987971258 | 0 | 6 |
| GO:0052652 | 1 | 0.998004812 | 0 | 1 |
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| GO:0052657 | 1 | 0.997968322 | 0 | 1 |
| GO:0052658 | 1 | 0.986105529 | 0 | 7 |
| GO:0052659 | 1 | 0.990038523 | 0 | 5 |
| GO:0052666 | 1 | 0.997977919 | 0 | 1 |
| GO:0052689 | 1 | 0.92613559 | 0 | 38 |
| GO:0052692 | 1 | 0.997987125 | 0 | 1 |
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| GO:0052696 | 1 | 0.981998224 | 0 | 9 |
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| 11936  | GO:0052751  | 1     | 0.997960636  | 0.001  | 1     |
| 11937  | GO:0052794  | 1     | 0.993966343  | 0.003  | 3     |
| 11938  | GO:0052795  | 1     | 0.993966343  | 0.003  | 3     |
| 11939  | GO:0052796  | 1     | 0.993966343  | 0.003  | 3     |
| 11940  | GO:0052798  | 1     | 0.997980218  | 0.001  | 1     |
| 11941  | GO:0052810  | 1     | 0.998013437  | 0.001  | 1     |
| 11942  | GO:0052812  | 1     | 0.988075956  | 0.006  | 6     |
| 11943  | GO:0052814  | 1     | 0.998005077  | 0.001  | 1     |
| 11944  | GO:0052815  | 1     | 0.995968025  | 0.002  | 2     |
| 11945  | GO:0052816  | 1     | 0.995991425  | 0.002  | 2     |
| 11946  | GO:0052817  | 1     | 0.998000663  | 0.001  | 1     |
| 11947  | GO:0052821  | 1     | 0.99761976  | 0.001  | 1     |
| 11948  | GO:0052822  | 1     | 0.997961976  | 0.001  | 1     |
| 11949  | GO:0052824  | 1     | 0.997984678  | 0.001  | 1     |
| 11950  | GO:0052826  | 1     | 0.997992012  | 0.001  | 1     |
| 11951  | GO:0052828  | 1     | 0.996025715  | 0.002  | 2     |
| 11952  | GO:0052832  | 1     | 0.993978668  | 0.003  | 3     |
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| 11954  | GO:0052834  | 1     | 0.993978668  | 0.003  | 3     |
| 11955  | GO:0052840  | 1     | 0.98997282  | 0.005  | 5     |
| 11956  | GO:0052842  | 1     | 0.98997282  | 0.005  | 5     |
| 11957  | GO:0052851  | 1     | 0.994042865  | 0.003  | 3     |
| 11958  | GO:0052855  | 1     | 0.997990564  | 0.001  | 1     |
| 11959  | GO:0052856  | 1     | 0.995954532  | 0.002  | 2     |
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| 11961  | GO:0052858  | 1     | 0.998002699  | 0.001  | 1     |
| 11962  | GO:0052866  | 1     | 0.992052327  | 0.004  | 4     |
| 11963  | GO:0052869  | 1     | 0.996000692  | 0.002  | 2     |
| 11964  | GO:0052871  | 1     | 0.997984552  | 0.001  | 1     |
| 11965  | GO:0052872  | 1     | 0.997984552  | 0.001  | 1     |
| 11966  | GO:0052884  | 1     | 0.997988448  | 0.001  | 1     |
| 11967  | GO:0052885  | 1     | 0.997988448  | 0.001  | 1     |
| 11968  | GO:0052894  | 1     | 0.997979817  | 0.001  | 1     |
| 11969  | GO:0052895  | 1     | 0.997979817  | 0.001  | 1     |
| 11970  | GO:0052899  | 1     | 0.997973416  | 0.001  | 1     |
| 11971  | GO:0052901  | 1     | 0.995957234  | 0.002  | 2     |
| 11972  | GO:0052902  | 1     | 0.997973416  | 0.001  | 1     |
| 11973  | GO:0052903  | 1     | 0.997973416  | 0.001  | 1     |
| 11974  | GO:0052904  | 1     | 0.997973416  | 0.001  | 1     |
| 11975  | GO:0052905  | 1     | 0.993983524  | 0.003  | 3     |
| 11976  | GO:0052906  | 1     | 0.998013274  | 0.001  | 1     |
| 11977  | GO:0052907  | 1     | 0.997990564  | 0.001  | 1     |
| 11978  | GO:0052909  | 1     | 0.997990564  | 0.001  | 1     |
| 11979  | GO:0052917  | 1     | 0.997984678  | 0.001  | 1     |
|   | GO:0052918 |   |   | 0.998013437 |   | 1 |
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|   | GO:0052926 |   |   | 0.998013437 |   | 1 |
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|   | GO:0052928 |   |   | 0.997983092 |   | 1 |
|   | GO:0052929 |   |   | 0.997983092 |   | 1 |
|   | GO:0055001 |   |   | 0.994034053 |   | 3 |
|   | GO:0055002 |   |   | 0.997998107 |   | 1 |
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|   | GO:0055005 |   |   | 0.996012712 |   | 2 |
|   | GO:0055006 |   |   | 0.998013437 |   | 1 |
|   | GO:0055007 |   |   | 0.966416123 |   | 17 |
|   | GO:0055008 |   |   | 0.98605486  |   | 7  |
|   | GO:0055009 |   |   | 0.992005573 |   | 4  |
|   | GO:0055010 |   |   | 0.958503651 |   | 21 |
|   | GO:0055012 |   |   | 0.992013875 |   | 4  |
|   | GO:0055013 |   |   | 0.988134791 |   | 6  |
|   | GO:0055014 |   |   | 0.997973451 |   | 1  |
|   | GO:0055015 |   |   | 0.987971079 |   | 6  |
|   | GO:0055017 |   |   | 0.998013437 |   | 1  |
|   | GO:0055020 |   |   | 0.997974922 |   | 1  |
|   | GO:0055022 |   |   | 0.997941377 |   | 1  |
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|   | GO:0055026 |   |   | 0.99796116  |   | 1  |
|   | GO:0055028 |   |   | 0.998013437 |   | 1  |
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|   | GO:0055038 |   |   | 0.84627837  |   | 83 |
|   | GO:0055048 |   |   | 0.998013437 |   | 1  |
|   | GO:0055056 |   |   | 0.990045097 |   | 5  |
|   | GO:0055059 |   |   | 0.994025412 |   | 3  |
|   | GO:0055062 |   |   | 0.994002882 |   | 3  |
|   | GO:0055064 |   |   | 0.978289232 |   | 11 |
|   | GO:0055065 |   |   | 0.993990655 |   | 3  |
|   | GO:0055069 |   |   | 0.99009872  |   | 5  |
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|   | GO:0055071 |   |   | 0.998012027 |   | 1  |
|   | GO:0055072 |   |   | 0.935794716 |   | 33 |
|   | GO:0055073 |   |   | 0.997951758 |   | 1  |
|   | GO:0055074 |   |   | 0.952922631 |   | 24 |
|   | GO:0055075 |   |   | 0.968501751 |   | 16 |
|   | GO:0055077 |   |   | 0.994018045 |   | 3  |
|   | GO:0055078 |   |   | 0.972317297 |   | 14 |
|   | GO:0055080 |   |   | 0.998013437 |   | 1  |
|   | GO:0055081 |   |   | 0.998013437 |   | 1  |
| GO:0055082 | 1 | 0.998012418 | 0 | 1 |
| GO:0055087 | 1 | 0.993998266 | 0 | 3 |
| GO:0055088 | 1 | 0.913353546 | 0 | 45 |
| GO:0055089 | 1 | 0.974255366 | 0 | 13 |
| GO:0055091 | 1 | 0.972217833 | 0 | 14 |
| GO:0055092 | 1 | 0.995989555 | 0 | 2 |
| GO:0055093 | 1 | 0.994005591 | 0 | 3 |
| GO:0055094 | 1 | 0.991897584 | 0 | 4 |
| GO:0055095 | 1 | 0.997221783 | 0 | 14 |
| GO:0055096 | 1 | 0.997961189 | 0 | 1 |
| GO:0055097 | 1 | 0.997998075 | 0 | 1 |
| GO:0055098 | 1 | 0.995946717 | 0 | 2 |
| GO:0055099 | 1 | 0.994004197 | 0 | 3 |
| GO:0055100 | 1 | 0.995985075 | 0 | 2 |
| GO:0055101 | 1 | 0.997970226 | 0 | 12 |
| GO:0055102 | 1 | 0.994024836 | 0 | 3 |
| GO:0055103 | 1 | 0.997970226 | 0 | 12 |
| GO:0055104 | 1 | 0.987970226 | 0 | 6 |
| GO:0055105 | 1 | 0.986080505 | 0 | 7 |
| GO:0055106 | 1 | 0.997999158 | 0 | 1 |
| GO:0055107 | 1 | 0.993984050 | 0 | 3 |
| GO:0055108 | 1 | 0.991991840 | 0 | 4 |
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| GO:0055110 | 1 | 0.994044125 | 0 | 3 |
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| GO:0055112 | 1 | 0.986080505 | 0 | 7 |
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| 12074| GO:0060028 | 1 | 0.991986775| 0   | 4   |
| 12075| GO:0060029 | 1 | 0.99200429 | 0   | 4   |
| 12076| GO:0060032 | 1 | 0.996018773| 0   | 2   |
| 12077| GO:0060033 | 1 | 0.994014029| 0   | 3   |
| 12078| GO:0060035 | 1 | 0.99800715 | 0   | 1   |
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| 12080| GO:0060038 | 1 | 0.978220055| 0   | 11  |
| 12081| GO:0060039 | 1 | 0.986120984| 0   | 7   |
| 12082| GO:0060040 | 1 | 0.993998455| 0   | 3   |
| 12083| GO:0060041 | 1 | 0.879410615| 0   | 64  |
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| 12086| GO:0060044 | 1 | 0.974204569| 0   | 13  |
| 12087| GO:0060045 | 1 | 0.960757079| 0   | 20  |
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| 12089| GO:0060047 | 1 | 0.974167077| 0   | 13  |
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| 12092| GO:0060050 | 1 | 0.990002122| 0   | 5   |
| 12093| GO:0060051 | 1 | 0.997990564| 0   | 1   |
| 12094| GO:0060052 | 1 | 0.98409265 | 0   | 8   |
| 12095| GO:0060053 | 1 | 0.996002201| 0   | 2   |
| 12096| GO:0060054 | 1 | 0.986005392| 0   | 7   |
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| 12100| GO:0060059 | 1 | 0.988090556| 0   | 6   |
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| 12102| GO:0060061 | 1 | 0.995994645| 0   | 2   |
| 12103| GO:0060064 | 1 | 0.997969788| 0   | 1   |
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| 12105| GO:0060066 | 1 | 0.993969458| 0   | 3   |
| 12106| GO:0060067 | 1 | 0.996000556| 0   | 2   |
| 12107| GO:0060068 | 1 | 0.982124997| 0   | 9   |
| 12108| GO:0060070 | 1 | 0.879286551| 0   | 64  |
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| 12114| GO:0060076 | 1 | 0.951317281| 0   | 25  |
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| 12116| GO:0060078 | 1 | 0.922782712| 0   | 40  |
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| GO:0060081 | 1 | 0.984028691 | 0 | 8  |
| GO:0060083 | 1 | 0.99602609  | 0 | 2  |
| GO:0060084 | 1 | 0.994000352 | 0 | 3  |
| GO:0060086 | 1 | 0.93395328  | 0 | 3  |
| GO:0060087 | 1 | 0.987987376 | 0 | 6  |
| GO:0060088 | 1 | 0.970312734 | 0 | 15 |
| GO:0060090 | 1 | 0.849809051 | 0 | 81 |
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| GO:0060117 | 1 | 0.992027004 | 0 | 4  |
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| GO:0060168 | 1 | 0.993987715 | 0 | 3  |
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| 12166 | GO:0060177 | 1 | 0.99596298 | 0 | 2 |
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| 12168 | GO:0060179 | 1 | 0.99043978 | 0 | 5 |
| 12169 | GO:0060183 | 1 | 0.995992197 | 0 | 2 |
| 12170 | GO:0060187 | 1 | 0.99801197 | 0 | 1 |
| 12171 | GO:0060192 | 1 | 0.993942681 | 0 | 3 |
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| 12174 | GO:0060201 | 1 | 0.995986253 | 0 | 2 |
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| 12177 | GO:0060212 | 1 | 0.99368596 | 0 | 3 |
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| 12179 | GO:0060214 | 1 | 0.993951075 | 0 | 3 |
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| 12181 | GO:0060216 | 1 | 0.976297427 | 0 | 12 |
| 12182 | GO:0060217 | 1 | 0.998012887 | 0 | 1 |
| 12183 | GO:0060218 | 1 | 0.972287956 | 0 | 14 |
| 12184 | GO:0060219 | 1 | 0.992001897 | 0 | 4 |
| 12185 | GO:0060220 | 1 | 0.997979743 | 0 | 1 |
| 12186 | GO:0060221 | 1 | 0.99384396 | 0 | 3 |
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| 12189 | GO:0060231 | 1 | 0.990015231 | 0 | 5 |
| 12190 | GO:0060232 | 1 | 0.998013437 | 0 | 1 |
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| 12194 | GO:0060242 | 1 | 0.992010394 | 0 | 4 |
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| 12197 | GO:0060251 | 1 | 0.996008915 | 0 | 2 |
| 12198 | GO:0060252 | 1 | 0.966362921 | 0 | 17 |
| 12199 | GO:0060253 | 1 | 0.987955018 | 0 | 6 |
| 12200 | GO:0060259 | 1 | 0.990043938 | 0 | 5 |
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| 12202 | GO:0060261 | 1 | 0.966539741 | 0 | 17 |
| 12203 | GO:0060262 | 1 | 0.997975457 | 0 | 1 |
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| GO:0060271  | 1     | 0.640239645  | 0 | 221 |
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| GO:0060279  | 1     | 0.99598276   | 0 | 2 |
| GO:0060282  | 1     | 0.998008767  | 0 | 1 |
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| GO:0060285  | 1     | 0.968498099  | 0 | 16 |
| GO:0060287  | 1     | 0.98013675   | 0 | 10 |
| GO:0060290  | 1     | 0.991999361  | 0 | 4 |
| GO:0060291  | 1     | 0.919299881  | 0 | 42 |
| GO:0060292  | 1     | 0.964561116  | 0 | 18 |
| GO:0060294  | 1     | 0.976021185  | 0 | 12 |
| GO:0060296  | 1     | 0.988001192  | 0 | 6 |
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| GO:0060301  | 1     | 0.997986391  | 0 | 1 |
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| GO:0060304  | 1     | 0.988095941  | 0 | 6 |
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| GO:0060309  | 1     | 0.995971125  | 0 | 2 |
| GO:0060311  | 1     | 0.997955724  | 0 | 1 |
| GO:0060312  | 1     | 0.9960184    | 0 | 2 |
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| GO:0060314  | 1     | 0.96449327   | 0 | 18 |
| GO:0060315  | 1     | 0.9799904    | 0 | 10 |
| GO:0060316  | 1     | 0.984011614  | 0 | 8 |
| GO:0060317  | 1     | 0.974298608  | 0 | 13 |
| GO:0060318  | 1     | 0.99400064   | 0 | 3 |
| GO:0060319  | 1     | 0.996003943  | 0 | 2 |
| GO:0060322  | 1     | 0.964473     | 0 | 18 |
| GO:0060323  | 1     | 0.985978394  | 0 | 7 |
| GO:0060324  | 1     | 0.968472325  | 0 | 16 |
| GO:0060325  | 1     | 0.943563898  | 0 | 29 |
| GO:0060326  | 1     | 0.868192736  | 0 | 70 |
| GO:0060327  | 1     | 0.994006268  | 0 | 3 |
| GO:0060330  | 1     | 0.997998019  | 0 | 1 |
| GO:0060332  | 1     | 0.997972187  | 0 | 1 |
| GO:0060335  | 1     | 0.988021756  | 0 | 6 |
| GO:0060336  | 1     | 0.987962406  | 0 | 6 |
| GO:0060338  | 1     | 0.982062756  | 0 | 9 |
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| 12259  | GO:0060348  | 1     | 0.888157331 | 59     |
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| 12307   | GO:0060407 | 0.97970558 | 0 | 1       |
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| 12309   | GO:0060412 | 0.939785674 | 0 | 31      |
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| 12311   | GO:0060414 | 0.993999371 | 0 | 3       |
| 12312   | GO:0060415 | 0.993991762 | 0 | 3       |
| 12313   | GO:0060416 | 0.976174787 | 0 | 12      |
| 12314   | GO:0060420 | 0.99399805 | 0 | 3       |
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| 12316   | GO:0060422 | 0.997983394 | 0 | 1       |
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| 12319   | GO:0060428 | 0.9860482 | 0 | 7       |
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| 12329   | GO:0060440 | 0.988015406 | 0 | 6       |
| 12330   | GO:0060441 | 0.972333221 | 0 | 14      |
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| 12339   | GO:0060453 | 0.994006781 | 0 | 3       |
| 12340   | GO:0060454 | 0.996011237 | 0 | 2       |
| 12341   | GO:0060455 | 0.991921956 | 0 | 4       |
| 12342   | GO:0060458 | 0.997971213 | 0 | 1       |
| 12343   | GO:0060459 | 0.997971213 | 0 | 1       |
| 12344   | GO:0060463 | 0.988081514 | 0 | 6       |
| 12345   | GO:0060465 | 0.994025946 | 0 | 3       |
| 12346   | GO:0060466 | 0.998013437 | 0 | 1       |
| GO:0060468 | 1 | 0.99596617 | 0 | 2 |
| GO:0060471 | 1 | 0.998013437 | 0 | 1 |
| GO:0060473 | 1 | 0.991957589 | 0 | 4 |
| GO:0060474 | 1 | 0.995952813 | 0 | 2 |
| GO:0060478 | 1 | 0.994008328 | 0 | 3 |
| GO:0060479 | 1 | 0.99800067 | 0 | 1 |
| GO:0060480 | 1 | 0.995940837 | 0 | 2 |
| GO:0060481 | 1 | 0.998006659 | 0 | 1 |
| GO:0060482 | 1 | 0.998006669 | 0 | 1 |
| GO:0060484 | 1 | 0.9880168 | 0 | 6 |
| GO:0060485 | 1 | 0.992041125 | 0 | 4 |
| GO:0060486 | 1 | 0.998013437 | 0 | 1 |
| GO:0060487 | 1 | 0.998013437 | 0 | 1 |
| GO:0060488 | 1 | 0.998013437 | 0 | 1 |
| GO:0060489 | 1 | 0.998013437 | 0 | 1 |
| GO:0060490 | 1 | 0.998013437 | 0 | 1 |
| GO:0060491 | 1 | 0.993980921 | 0 | 3 |
| GO:0060492 | 1 | 0.995987168 | 0 | 2 |
| GO:0060493 | 1 | 0.992010783 | 0 | 4 |
| GO:0060494 | 1 | 0.995966948 | 0 | 2 |
| GO:0060495 | 1 | 0.997974922 | 0 | 1 |
| GO:0060496 | 1 | 0.997999867 | 0 | 1 |
| GO:0060497 | 1 | 0.990037214 | 0 | 5 |
| GO:0060498 | 1 | 0.993991395 | 0 | 3 |
| GO:0060499 | 1 | 0.992002442 | 0 | 4 |
| GO:0060500 | 1 | 0.994013682 | 0 | 3 |
| GO:0060501 | 1 | 0.997971213 | 0 | 1 |
| GO:0060502 | 1 | 0.998006804 | 0 | 1 |
| GO:0060503 | 1 | 0.997995025 | 0 | 1 |
| GO:0060504 | 1 | 0.994004852 | 0 | 3 |
| GO:0060505 | 1 | 0.992069478 | 0 | 4 |
| GO:0060506 | 1 | 0.9940064 | 0 | 3 |
| GO:0060507 | 1 | 0.99624135 | 0 | 2 |
| GO:0060508 | 1 | 0.996020806 | 0 | 2 |
| GO:0060509 | 1 | 0.99201278 | 0 | 4 |
| GO:0060510 | 1 | 0.994028402 | 0 | 3 |
| GO:0060511 | 1 | 0.997973257 | 0 | 1 |
| GO:0060512 | 1 | 0.989911896 | 0 | 5 |
| GO:0060513 | 1 | 0.993983747 | 0 | 3 |
| GO:0060514 | 1 | 0.986018811 | 0 | 7 |
| GO:0060515 | 1 | 0.992017807 | 0 | 4 |
| GO:0060516 | 1 | 0.962535558 | 0 | 19 |
| GO:0060517 | 1 | 0.991979421 | 0 | 4 |
| GO:0060518 | 1 | 0.974255512 | 0 | 13 |
| GO:0060519 | 1 | 0.993884069 | 0 | 3 |
| ID   | GO:0060548 | 1 | 0.86844624 | 0 | 70 |
|------|------------|---|------------|---|----|
| 12393| GO:0060557 | 1 | 0.997972866| 0 | 1  |
| 12394| GO:0060558 | 1 | 0.998012112| 0 | 1  |
| 12395| GO:0060559 | 1 | 0.99594675 | 0 | 2  |
| 12396| GO:0060560 | 1 | 0.994018254| 0 | 3  |
| 12397| GO:0060561 | 1 | 0.990027891| 0 | 5  |
| 12398| GO:0060562 | 1 | 0.96030731 | 0 | 2  |
| 12399| GO:0060563 | 1 | 0.986014471| 0 | 7  |
| 12400| GO:0060566 | 1 | 0.998013437| 0 | 1  |
| 12401| GO:0060571 | 1 | 0.99597744 | 0 | 2  |
| 12402| GO:0060574 | 1 | 0.99397281 | 0 | 3  |
| 12403| GO:0060575 | 1 | 0.992020146| 0 | 4  |
| 12404| GO:0060576 | 1 | 0.98407206 | 0 | 8  |
| 12405| GO:0060579 | 1 | 0.993997826| 0 | 3  |
| 12406| GO:0060585 | 1 | 0.993968205| 0 | 3  |
| 12407| GO:0060586 | 1 | 0.982051484| 0 | 9  |
| 12408| GO:0060587 | 1 | 0.998000656| 0 | 1  |
| 12409| GO:0060588 | 1 | 0.997962837| 0 | 1  |
| 12410| GO:0060590 | 1 | 0.995994947| 0 | 2  |
| 12411| GO:0060591 | 1 | 0.992011397| 0 | 4  |
| 12412| GO:0060592 | 1 | 0.997974922| 0 | 1  |
| 12413| GO:0060594 | 1 | 0.998013437| 0 | 1  |
| 12414| GO:0060595 | 1 | 0.998008455| 0 | 1  |
| 12415| GO:0060596 | 1 | 0.996016151| 0 | 2  |
| 12416| GO:0060598 | 1 | 0.997964891| 0 | 1  |
| 12417| GO:0060599 | 1 | 0.996012355| 0 | 2  |
| 12418| GO:0060601 | 1 | 0.998008455| 0 | 1  |
| 12419| GO:0060603 | 1 | 0.988132021| 0 | 6  |
| 12420| GO:0060606 | 1 | 0.998013437| 0 | 1  |
| 12421| GO:0060611 | 1 | 0.997985513| 0 | 1  |
| 12422| GO:0060612 | 1 | 0.945375461| 0 | 28 |
| 12423| GO:0060613 | 1 | 0.990019852| 0 | 5  |
| 12424| GO:0060615 | 1 | 0.998008455| 0 | 1  |
| 12425| GO:0060620 | 1 | 0.997990564| 0 | 1  |
| 12426| GO:0060623 | 1 | 0.993958586| 0 | 3  |
| 12427| GO:0060627 | 1 | 0.98209223 | 0 | 9  |
| 12428| GO:0060628 | 1 | 0.988036988| 0 | 6  |
| 12429| GO:0060629 | 1 | 0.995971277| 0 | 2  |
| 12430| GO:0060631 | 1 | 0.997995414| 0 | 1  |
| 12431| GO:0060632 | 1 | 0.995985372| 0 | 2  |
| 12432| GO:0060633 | 1 | 0.994008233| 0 | 3  |
| 12433| GO:0060638 | 1 | 0.99599991 | 0 | 2  |
| 12434| GO:0060644 | 1 | 0.976217595| 0 | 12 |
| 12435| GO:0060648 | 1 | 0.997976314| 0 | 1  |
| 12436| GO:0060661 | 1 | 0.997981357| 0 | 1  |
| GO:0060662 | 1 | 0.989990242 | 0 | 5 |
| GO:0060664 | 1 | 0.991974787 | 0 | 4 |
| GO:0060665 | 1 | 0.995989597 | 0 | 2 |
| GO:0060666 | 1 | 0.990078583 | 0 | 5 |
| GO:0060667 | 1 | 0.998008455 | 0 | 1 |
| GO:0060668 | 1 | 0.998003256 | 0 | 1 |
| GO:0060669 | 1 | 0.990059014 | 0 | 5 |
| GO:0060670 | 1 | 0.984037518 | 0 | 8 |
| GO:0060671 | 1 | 0.993997843 | 0 | 3 |
| GO:0060672 | 1 | 0.974313757 | 0 | 13 |
| GO:0060673 | 1 | 0.995950354 | 0 | 2 |
| GO:0060674 | 1 | 0.998003256 | 0 | 1 |
| GO:0060675 | 1 | 0.991958461 | 0 | 4 |
| GO:0060676 | 1 | 0.997982868 | 0 | 1 |
| GO:0060677 | 1 | 0.998006562 | 0 | 1 |
| GO:0060678 | 1 | 0.997990340 | 0 | 1 |
| GO:0060679 | 1 | 0.997990851 | 0 | 1 |
| GO:0060680 | 1 | 0.991948233 | 0 | 4 |
| GO:0060681 | 1 | 0.995702134 | 0 | 2 |
| GO:0060682 | 1 | 0.992030320 | 0 | 4 |
| GO:0060683 | 1 | 0.992030320 | 0 | 4 |
| GO:0060684 | 1 | 0.993949132 | 0 | 3 |
| GO:0060685 | 1 | 0.996014543 | 0 | 2 |
| GO:0060686 | 1 | 0.995990206 | 0 | 2 |
| GO:0060687 | 1 | 0.997976203 | 0 | 1 |
| GO:0060688 | 1 | 0.997983998 | 0 | 1 |
| GO:0060689 | 1 | 0.997954626 | 0 | 1 |
| GO:0060690 | 1 | 0.996008722 | 0 | 2 |
| GO:0060691 | 1 | 0.997967366 | 0 | 1 |
| GO:0060692 | 1 | 0.996008722 | 0 | 2 |
| GO:0060693 | 1 | 0.997989952 | 0 | 1 |
| GO:0060694 | 1 | 0.989979921 | 0 | 5 |
| GO:0060695 | 1 | 0.976190040 | 0 | 12 |
| GO:0060696 | 1 | 0.989914810 | 0 | 5 |
| GO:0060697 | 1 | 0.997992291 | 0 | 1 |
| GO:0060698 | 1 | 0.988039124 | 0 | 6 |
| GO:0060699 | 1 | 0.99005443 | 0 | 5 |
| GO:0060700 | 1 | 0.988035708 | 0 | 6 |
| GO:0060701 | 1 | 0.995983102 | 0 | 2 |
| GO:0060702 | 1 | 0.993994847 | 0 | 3 |
| GO:0060703 | 1 | 0.966384236 | 0 | 17 |
| GO:0060704 | 1 | 0.995987481 | 0 | 2 |
| GO:0060705 | 1 | 0.990064234 | 0 | 5 |
| GO:0060706 | 1 | 0.998013116 | 0 | 1 |
| GO:0060707 | 1 | 0.997958626 | 0 | 1 |
| GO:0060708 | 1 | 0.992006921 | 0 | 4 |
| GO:0060731 | 1 | 0.997998598 | 0 | 1 |
| GO:0060732 | 1 | 0.993980395 | 0 | 3 |
| GO:0060734 | 1 | 0.998011889 | 0 | 1 |
| GO:0060735 | 1 | 0.997967366 | 0 | 1 |
| GO:0060736 | 1 | 0.988095087 | 0 | 6 |
| GO:0060738 | 1 | 0.995971163 | 0 | 2 |
| GO:0060739 | 1 | 0.998013437 | 0 | 1 |
| GO:0060740 | 1 | 0.988053222 | 0 | 6 |
| GO:0060741 | 1 | 0.995949645 | 0 | 2 |
| GO:0060742 | 1 | 0.992022921 | 0 | 4 |
| GO:0060743 | 1 | 0.995987402 | 0 | 2 |
| GO:0060744 | 1 | 0.989981734 | 0 | 5 |
| GO:0060745 | 1 | 0.992075543 | 0 | 4 |
| GO:0060746 | 1 | 0.998013437 | 0 | 1 |
| GO:0060748 | 1 | 0.994026709 | 0 | 3 |
| GO:0060749 | 1 | 0.968378231 | 0 | 16 |
| GO:0060750 | 1 | 0.992028596 | 0 | 4 |
| GO:0060751 | 1 | 0.997981889 | 0 | 1 |
| GO:0060753 | 1 | 0.997969271 | 0 | 1 |
| GO:0060754 | 1 | 0.987980878 | 0 | 6 |
| GO:0060755 | 1 | 0.998006014 | 0 | 1 |
| GO:0060761 | 1 | 0.987991858 | 0 | 6 |
| GO:0060762 | 1 | 0.993975799 | 0 | 3 |
| GO:0060763 | 1 | 0.993994893 | 0 | 3 |
| GO:0060764 | 1 | 0.998013122 | 0 | 1 |
| GO:0060765 | 1 | 0.915334722 | 0 | 44 |
| GO:0060766 | 1 | 0.974311745 | 0 | 13 |
| GO:0060768 | 1 | 0.995988589 | 0 | 2 |
| GO:0060769 | 1 | 0.993978758 | 0 | 3 |
| GO:0060770 | 1 | 0.987958435 | 0 | 6 |
| GO:0060775 | 1 | 0.995994729 | 0 | 2 |
| GO:0060782 | 1 | 0.997971213 | 0 | 1 |
| GO:0060783 | 1 | 0.997971213 | 0 | 1 |
| GO:0060784 | 1 | 0.998006804 | 0 | 1 |
| GO:0060789 | 1 | 0.98997456 | 0 | 5 |
| GO:0060795 | 1 | 0.997968004 | 0 | 1 |
| GO:0060800 | 1 | 0.994007649 | 0 | 3 |
| GO:0060803 | 1 | 0.997969659 | 0 | 1 |
| GO:0060804 | 1 | 0.997996626 | 0 | 1 |
| GO:0060806 | 1 | 0.997973257 | 0 | 1 |
| GO:0060809 | 1 | 0.996007903 | 0 | 2 |
| GO:0060816 | 1 | 0.996017131 | 0 | 2 |
| GO:0060817 | 1 | 0.997982002 | 0 | 1 |
| GO:0060819 | 1 | 0.996030727 | 0 | 2 |
| GO:0060820 | 1 | 0.998013437 | 0 | 1 |
| GO:0060965 | GO:0060968 | GO:0060971 | GO:0060972 | GO:0060973 | GO:0060975 | GO:0060976 | GO:0060977 | GO:0060978 | GO:0060979 | GO:0060981 | GO:0060982 | GO:0060987 | GO:0060988 | GO:0060989 | GO:0060992 | GO:0060993 | GO:0060994 | GO:0060995 | GO:0060996 | GO:0060997 | GO:0060998 | GO:0060999 | GO:0061000 | GO:0061001 | GO:0061002 | GO:0061003 | GO:0061005 | GO:0061009 | GO:0061010 | GO:0061014 | GO:0061015 | GO:0061024 | GO:0061026 | GO:0061028 | GO:0061029 | GO:0061030 | GO:0061031 | GO:0061033 | GO:0061034 | GO:0061035 | GO:0061036 | GO:0061037 | GO:0061038 | GO:0061040 | GO:0061041 |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1.0.991953187 0 4 | 1.0.978104153 0 11 | 1.0.991985114 0 4 | 1.0.985977866 0 7 | 1.0.996017622 0 2 | 1.0.997963363 0 1 | 1.0.951113057 0 25 | 1.0.996006627 0 2 | 1.0.994024933 0 3 | 1.0.994051875 0 3 | 1.0.998013436 0 1 | 1.0.984133049 0 8 | 1.0.997983808 0 1 | 1.0.993995174 0 3 | 1.0.998002277 0 1 | 1.0.986089644 0 7 | 1.0.980195865 0 10 | 1.0.998004343 0 1 | 1.0.972432772 0 14 | 1.0.966556864 0 17 | 1.0.98026446 0 10 | 1.0.956916988 0 22 | 1.0.988093537 0 6 | 1.0.958901387 0 21 | 1.0.988074083 0 6 | 1.0.960828773 0 20 | 1.0.994042815 0 3 | 1.0.995958117 0 2 | 1.0.998013437 0 1 | 1.0.972360213 0 14 | 1.0.995939188 0 2 | 1.0.98209595 0 9 | 1.0.964555662 0 18 | 1.0.98209595 0 9 | 1.0.993955851 0 3 | 1.0.997967253 0 1 | 1.0.995990716 0 2 | 1.0.996027101 0 2 | 1.0.989996276 0 5 | 1.0.970374749 0 15 | 1.0.984002033 0 8 | 1.0.988033946 0 6 | 1.0.998013437 0 1 | 1.0.989950198 0 5 |
| GO          | Term                  | Count | Log-e Value | P-value |
|------------|-----------------------|-------|-------------|---------|
| GO:0061042 |                       | 1     | 0.986059385 | 0.007   |
| GO:0061043 |                       | 1     | 0.998010813 | 0.002   |
| GO:0061044 |                       | 1     | 0.989951996 | 0.005   |
| GO:0061045 |                       | 1     | 0.968445255 | 0.016   |
| GO:0061046 |                       | 1     | 0.998006804 | 0.001   |
| GO:0061047 |                       | 1     | 0.995979549 | 0.002   |
| GO:0061048 |                       | 1     | 0.977972866 | 0.001   |
| GO:0061049 |                       | 1     | 0.9880723   | 0.006   |
| GO:0061051 |                       | 1     | 0.984006798 | 0.008   |
| GO:0061052 |                       | 1     | 0.982060127 | 0.009   |
| GO:0061053 | GO:0061051            | 1     | 0.968373622 | 0.016   |
| GO:0061054 |                       | 1     | 0.994026    | 0.003   |
| GO:0061055 |                       | 1     | 0.991965801 | 0.004   |
| GO:0061056 |                       | 1     | 0.980049036 | 0.010   |
| GO:0061057 |                       | 1     | 0.984065705 | 0.008   |
| GO:0061058 |                       | 1     | 0.992018361 | 0.004   |
| GO:0061059 |                       | 1     | 0.995991007 | 0.002   |
| GO:0061060 |                       | 1     | 0.94502289  | 0.028   |
| GO:0061061 |                       | 1     | 0.992001227 | 0.004   |
| GO:0061062 |                       | 1     | 0.997995407 | 0.001   |
| GO:0061063 |                       | 1     | 0.992018481 | 0.004   |
| GO:0061064 |                       | 1     | 0.992016723 | 0.004   |
| GO:0061065 |                       | 1     | 0.990039986 | 0.005   |
| GO:0061066 |                       | 1     | 0.997985088 | 0.001   |
| GO:0061067 |                       | 1     | 0.992068155 | 0.004   |
| GO:0061068 |                       | 1     | 0.994044869 | 0.003   |
| GO:0061069 |                       | 1     | 0.92653019  | 0.038   |
| GO:0061070 |                       | 1     | 0.970298197 | 0.015   |
| GO:0061071 |                       | 1     | 0.997986219 | 0.001   |
| GO:0061072 |                       | 1     | 0.995950243 | 0.002   |
| GO:0061073 |                       | 1     | 0.997986219 | 0.001   |
| GO:0061074 |                       | 1     | 0.997986219 | 0.001   |
| GO:0061075 |                       | 1     | 0.995981797 | 0.002   |
| GO:0061076 |                       | 1     | 0.997968974 | 0.001   |
| GO:0061077 |                       | 1     | 0.997982838 | 0.001   |
| GO:0061078 |                       | 1     | 0.996021486 | 0.002   |
| GO:0061079 |                       | 1     | 0.99799543  | 0.001   |
| GO:0061080 |                       | 1     | 0.979947532 | 0.010   |
| GO:0061081 |                       | 1     | 0.998013437 | 0.001   |
| GO:0061082 |                       | 1     | 0.962387548 | 0.019   |
| GO:0061083 |                       | 1     | 0.994026948 | 0.003   |
| GO:0061084 |                       | 1     | 0.998013437 | 0.001   |
| GO:0061085 |                       | 1     | 0.997995407 | 0.001   |
| Index | GO:0061339 | 1 | 0.997990564 | 0 | 1 |
|-------|-------------|---|--------------|---|---|
| 12713 | GO:0061343  | 1 | 0.998013437 | 0 | 1 |
| 12714 | GO:0061347  | 1 | 0.998013437 | 0 | 1 |
| 12715 | GO:0061348  | 1 | 0.998013437 | 0 | 1 |
| 12716 | GO:0061349  | 1 | 0.998013437 | 0 | 1 |
| 12717 | GO:0061350  | 1 | 0.998013437 | 0 | 1 |
| 12718 | GO:0061351  | 1 | 0.976094188  | 0 | 12 |
| 12719 | GO:0061354  | 1 | 0.998013437 | 0 | 1 |
| 12720 | GO:0061355  | 1 | 0.995964372  | 0 | 2 |
| 12721 | GO:0061357  | 1 | 0.996002601  | 0 | 2 |
| 12722 | GO:0061358  | 1 | 0.997976331  | 0 | 1 |
| 12723 | GO:0061364  | 1 | 0.994051216  | 0 | 3 |
| 12724 | GO:0061368  | 1 | 0.997967158  | 0 | 1 |
| 12725 | GO:0061369  | 1 | 0.998006585  | 0 | 1 |
| 12726 | GO:0061370  | 1 | 0.989924952  | 0 | 5 |
| 12727 | GO:0061371  | 1 | 0.991963402  | 0 | 4 |
| 12728 | GO:0061374  | 1 | 0.997969048  | 0 | 1 |
| 12729 | GO:0061377  | 1 | 0.997969048  | 0 | 1 |
| 12730 | GO:0061379  | 1 | 0.997969048  | 0 | 1 |
| 12731 | GO:0061381  | 1 | 0.997969048  | 0 | 1 |
| 12732 | GO:0061383  | 1 | 0.997977247  | 0 | 1 |
| 12733 | GO:0061384  | 1 | 0.986064253  | 0 | 7 |
| 12734 | GO:0061386  | 1 | 0.998013437 | 0 | 1 |
| 12735 | GO:0061394  | 1 | 0.997979348  | 0 | 1 |
| 12736 | GO:0061395  | 1 | 0.997973778  | 0 | 1 |
| 12737 | GO:0061400  | 1 | 0.997990564  | 0 | 1 |
| 12738 | GO:0061402  | 1 | 0.997986047  | 0 | 1 |
| 12739 | GO:0061408  | 1 | 0.997981211  | 0 | 1 |
| 12740 | GO:0061418  | 1 | 0.867840557  | 0 | 70 |
| 12741 | GO:0061419  | 1 | 0.988044394  | 0 | 6 |
| 12742 | GO:0061428  | 1 | 0.991982464  | 0 | 4 |
| 12743 | GO:0061430  | 1 | 0.998012334  | 0 | 1 |
| 12744 | GO:0061433  | 1 | 0.997977718  | 0 | 1 |
| 12745 | GO:0061436  | 1 | 0.950960148  | 0 | 25 |
| 12746 | GO:0061441  | 1 | 0.996003306  | 0 | 2 |
| 12747 | GO:0061444  | 1 | 0.998013437 | 0 | 1 |
| 12748 | GO:0061445  | 1 | 0.997993767  | 0 | 1 |
| 12749 | GO:0061448  | 1 | 0.989999964  | 0 | 5 |
| 12750 | GO:0061450  | 1 | 0.998013436  | 0 | 1 |
| 12751 | GO:0061458  | 1 | 0.990021793  | 0 | 5 |
| 12752 | GO:0061459  | 1 | 0.99203628  | 0 | 4 |
| 12753 | GO:0061462  | 1 | 0.972221092  | 0 | 14 |
| 12754 | GO:0061463  | 1 | 0.995985075  | 0 | 2 |
| 12755 | GO:0061469  | 1 | 0.984032865  | 0 | 8 |
| 12756 | GO:0061470  | 1 | 0.989999411  | 0 | 5 |
| ID     | GO:       | Count | p-value      | Gene Count |
|--------|-----------|-------|--------------|------------|
| 12757  | GO:0061474| 1     | 0.997987312  | 0          |
| 12758  | GO:0061481| 1     | 0.997957079  | 0          |
| 12759  | GO:0061484| 1     | 0.964503364  | 18         |
| 12760  | GO:0061485| 1     | 0.998013437  | 0          |
| 12761  | GO:0061501| 1     | 0.997990564  | 0          |
| 12762  | GO:0061502| 1     | 0.995989265  | 0          |
| 12763  | GO:0061507| 1     | 0.995986396  | 0          |
| 12764  | GO:0061508| 1     | 0.997990564  | 0          |
| 12765  | GO:0061511| 1     | 0.996030469  | 0          |
| 12766  | GO:0061512| 1     | 0.935781478  | 33         |
| 12767  | GO:0061513| 1     | 0.993977307  | 0          |
| 12768  | GO:0061514| 1     | 0.99794835   | 0          |
| 12769  | GO:0061515| 1     | 0.995979339  | 0          |
| 12770  | GO:0061518| 1     | 0.984004177  | 0          |
| 12771  | GO:0061519| 1     | 0.998002934  | 0          |
| 12772  | GO:0061520| 1     | 0.996002516  | 0          |
| 12773  | GO:0061525| 1     | 0.99801336   | 0          |
| 12774  | GO:0061526| 1     | 0.997988914  | 0          |
| 12775  | GO:0061547| 1     | 0.99800934   | 0          |
| 12776  | GO:0061548| 1     | 0.997987562  | 0          |
| 12777  | GO:0061549| 1     | 0.984109488  | 0          |
| 12778  | GO:0061550| 1     | 0.9980067    | 0          |
| 12779  | GO:0061551| 1     | 0.990054972  | 0          |
| 12780  | GO:0061564| 1     | 0.970422129  | 0          |
| 12781  | GO:0061565| 1     | 0.997990564  | 0          |
| 12782  | GO:0061566| 1     | 0.997990564  | 0          |
| 12783  | GO:0061567| 1     | 0.997990564  | 0          |
| 12784  | GO:0061568| 1     | 0.997990564  | 0          |
| 12785  | GO:0061569| 1     | 0.997990564  | 0          |
| 12786  | GO:0061570| 1     | 0.997990564  | 0          |
| 12787  | GO:0061571| 1     | 0.997990564  | 0          |
| 12788  | GO:0061572| 1     | 0.995985075  | 0          |
| 12789  | GO:0061573| 1     | 0.997990564  | 0          |
| 12790  | GO:0061574| 1     | 0.99200822   | 0          |
| 12791  | GO:0061575| 1     | 0.98395898   | 0          |
| 12792  | GO:0061577| 1     | 0.994021029  | 0          |
| 12793  | GO:0061578| 1     | 0.978183048  | 0          |
| 12794  | GO:0061580| 1     | 0.998008667  | 0          |
| 12795  | GO:0061582| 1     | 0.998013437  | 0          |
| 12796  | GO:0061586| 1     | 0.997999567  | 0          |
| 12797  | GO:0061588| 1     | 0.988039015  | 0          |
| 12798  | GO:0061589| 1     | 0.992024241  | 0          |
| 12799  | GO:0061590| 1     | 0.990053164  | 0          |
| 12800  | GO:0061591| 1     | 0.99202533   | 0          |
| 12801  | GO:0061598| 1     | 0.99800978   | 0          |
| GO:0061599 | 1 | 0.99800978 | 0 | 1 |
| GO:0061604 | 1 | 0.997985905 | 0 | 1 |
| GO:0061605 | 1 | 0.997985905 | 0 | 1 |
| GO:0061608 | 1 | 0.960694611 | 0 | 20 |
| GO:0061611 | 1 | 0.997974765 | 0 | 1 |
| GO:0061614 | 1 | 0.998005071 | 0 | 1 |
| GO:0061615 | 1 | 0.993995087 | 0 | 3 |
| GO:0061617 | 1 | 0.981959573 | 0 | 9 |
| GO:0061620 | 1 | 0.997987546 | 0 | 1 |
| GO:0061621 | 1 | 0.956598342 | 0 | 22 |
| GO:0061623 | 1 | 0.997967309 | 0 | 1 |
| GO:0061624 | 1 | 0.98997919 | 0 | 5 |
| GO:0061626 | 1 | 0.984012682 | 0 | 8 |
| GO:0061627 | 1 | 0.997978503 | 0 | 1 |
| GO:0061628 | 1 | 0.994021869 | 0 | 3 |
| GO:0061629 | 1 | 0.987954865 | 0 | 6 |
| GO:0061631 | 1 | 0.935646055 | 0 | 33 |
| GO:0061632 | 1 | 0.997988836 | 0 | 1 |
| GO:0061635 | 1 | 0.978035159 | 0 | 11 |
| GO:0061640 | 1 | 0.956650657 | 0 | 22 |
| GO:0061642 | 1 | 0.993990575 | 0 | 3 |
| GO:0061643 | 1 | 0.994022234 | 0 | 3 |
| GO:0061646 | 1 | 0.998012768 | 0 | 1 |
| GO:0061647 | 1 | 0.99598226 | 0 | 2 |
| GO:0061649 | 1 | 0.994017839 | 0 | 3 |
| GO:0061654 | 1 | 0.997967083 | 0 | 1 |
| GO:0061656 | 1 | 0.997964216 | 0 | 1 |
| GO:0061657 | 1 | 0.997962681 | 0 | 1 |
| GO:0061663 | 1 | 0.993947479 | 0 | 3 |
| GO:0061665 | 1 | 0.980057951 | 0 | 10 |
| GO:0061666 | 1 | 0.997990564 | 0 | 1 |
| GO:0061668 | 1 | 0.99393662 | 0 | 3 |
| GO:0061669 | 1 | 0.990067422 | 0 | 5 |
| GO:0061670 | 1 | 0.9976988 | 0 | 1 |
| GO:0061673 | 1 | 0.990016071 | 0 | 5 |
| GO:0061676 | 1 | 0.984129081 | 0 | 8 |
| GO:0061684 | 1 | 0.986058595 | 0 | 7 |
| GO:0061685 | 1 | 0.997990564 | 0 | 1 |
| GO:0061689 | 1 | 0.991989648 | 0 | 4 |
| GO:0061690 | 1 | 0.997963596 | 0 | 1 |
| GO:0061697 | 1 | 0.995974424 | 0 | 2 |
| GO:0061698 | 1 | 0.995974424 | 0 | 2 |
| GO:0061699 | 1 | 0.995974424 | 0 | 2 |
| GO:0061700 | 1 | 0.978117189 | 0 | 11 |
| ID    | GO            | Assoc Count | Score   | xCount |
|-------|---------------|-------------|---------|--------|
| 12848 | GO:0061702    | 1           | 0.986085905 | 0  | 7    |
| 12849 | GO:0061708    | 1           | 0.997978086 | 0  | 1    |
| 12850 | GO:0061709    | 1           | 0.976138513 | 0  | 12   |
| 12851 | GO:0061711    | 1           | 0.995958604 | 0  | 2    |
| 12852 | GO:0061712    | 1           | 0.997998584 | 0  | 1    |
| 12853 | GO:0061713    | 1           | 0.99397432  | 0  | 3    |
| 12854 | GO:0061714    | 1           | 0.997961189 | 0  | 1    |
| 12855 | GO:0061715    | 1           | 0.99799807  | 0  | 1    |
| 12856 | GO:0061723    | 1           | 0.996003175 | 0  | 2    |
| 12857 | GO:0061724    | 1           | 0.995958249 | 0  | 2    |
| 12858 | GO:0061727    | 1           | 0.997958946 | 0  | 1    |
| 12859 | GO:0061731    | 1           | 0.99797463  | 0  | 1    |
| 12860 | GO:0061732    | 1           | 0.989992514 | 0  | 5    |
| 12861 | GO:0061733    | 1           | 0.988087298 | 0  | 6    |
| 12862 | GO:0061734    | 1           | 0.992036861 | 0  | 4    |
| 12863 | GO:0061736    | 1           | 0.998013435 | 0  | 1    |
| 12864 | GO:0061737    | 1           | 0.991933729 | 0  | 4    |
| 12865 | GO:0061738    | 1           | 0.993972659 | 0  | 3    |
| 12866 | GO:0061739    | 1           | 0.992005255 | 0  | 4    |
| 12867 | GO:0061740    | 1           | 0.993991236 | 0  | 3    |
| 12868 | GO:0061741    | 1           | 0.995975129 | 0  | 2    |
| 12869 | GO:0061742    | 1           | 0.998008272 | 0  | 1    |
| 12870 | GO:0061743    | 1           | 0.99395601  | 0  | 3    |
| 12871 | GO:0061744    | 1           | 0.980151816 | 0  | 10   |
| 12872 | GO:0061749    | 1           | 0.996028686 | 0  | 2    |
| 12873 | GO:0061750    | 1           | 0.997983887 | 0  | 1    |
| 12874 | GO:0061751    | 1           | 0.998013267 | 0  | 1    |
| 12875 | GO:0061752    | 1           | 0.99597537  | 0  | 2    |
| 12876 | GO:0061753    | 1           | 0.998013435 | 0  | 1    |
| 12877 | GO:0061757    | 1           | 0.997997916 | 0  | 1    |
| 12878 | GO:0061760    | 1           | 0.997955074 | 0  | 1    |
| 12879 | GO:0061762    | 1           | 0.992019334 | 0  | 4    |
| 12880 | GO:0061763    | 1           | 0.995983133 | 0  | 2    |
| 12881 | GO:0061766    | 1           | 0.997941649 | 0  | 1    |
| 12882 | GO:0061767    | 1           | 0.998013437 | 0  | 1    |
| 12883 | GO:0061768    | 1           | 0.998012558 | 0  | 1    |
| 12884 | GO:0061769    | 1           | 0.997990564 | 0  | 1    |
| 12885 | GO:0061770    | 1           | 0.997981211 | 0  | 1    |
| 12886 | GO:0061771    | 1           | 0.993944102 | 0  | 3    |
| 12887 | GO:0061772    | 1           | 0.998000555 | 0  | 1    |
| 12888 | GO:0061789    | 1           | 0.998000555 | 0  | 1    |
| 12889 | GO:0061797    | 1           | 0.997990564 | 0  | 1    |
| 12890 | GO:0061798    | 1           | 0.998009002 | 0  | 1    |
| 12891 | GO:0061799    | 1           | 0.998009002 | 0  | 1    |
| 12892 | GO:0061809    | 1           | 0.972296546 | 0  | 14   |
| GO          | Score | FDR  | Count |
|-------------|-------|------|-------|
| GO:0061811  | 1.000 | 0.998 | 1     |
| GO:0061812  | 1.000 | 0.998 | 1     |
| GO:0061817  | 0.998 | 0.998 | 6     |
| GO:0061819  | 0.998 | 0.998 | 3     |
| GO:0061820  | 0.998 | 0.998 | 9     |
| GO:0061821  | 0.998 | 0.998 | 4     |
| GO:0061825  | 0.998 | 0.998 | 1     |
| GO:0061827  | 0.998 | 0.998 | 1     |
| GO:0061828  | 0.998 | 0.998 | 1     |
| GO:0061829  | 0.998 | 0.998 | 1     |
| GO:0061830  | 0.998 | 0.998 | 1     |
| GO:0061831  | 0.998 | 0.998 | 1     |
| GO:0061832  | 0.998 | 0.998 | 1     |
| GO:0061833  | 0.998 | 0.998 | 2     |
| GO:0061837  | 0.998 | 0.998 | 1     |
| GO:0061842  | 0.998 | 0.998 | 1     |
| GO:0061845  | 0.998 | 0.998 | 1     |
| GO:0061846  | 0.998 | 0.998 | 1     |
| GO:0061847  | 0.998 | 0.998 | 2     |
| GO:0061849  | 0.998 | 0.998 | 2     |
| GO:0061850  | 0.998 | 0.998 | 1     |
| GO:0061851  | 0.998 | 0.998 | 2     |
| GO:0061855  | 0.998 | 0.998 | 1     |
| GO:0061857  | 0.998 | 0.998 | 2     |
| GO:0061860  | 0.998 | 0.998 | 2     |
| GO:0061863  | 0.998 | 0.998 | 1     |
| GO:0061870  | 0.998 | 0.998 | 1     |
| GO:0061871  | 0.998 | 0.998 | 1     |
| GO:0061881  | 0.998 | 0.998 | 1     |
| GO:0061885  | 0.998 | 0.998 | 2     |
| GO:0061888  | 0.998 | 0.998 | 1     |
| GO:0061889  | 0.998 | 0.998 | 4     |
| GO:0061890  | 0.998 | 0.998 | 1     |
| GO:0061891  | 0.998 | 0.998 | 3     |
| GO:0061896  | 0.998 | 0.998 | 1     |
| GO:0061897  | 0.998 | 0.998 | 1     |
| GO:0061898  | 0.998 | 0.998 | 1     |
| GO:0061899  | 0.998 | 0.998 | 1     |
| GO:0061903  | 0.998 | 0.998 | 2     |
| GO:0061909  | 0.984 | 0.997 | 8     |
| GO:0061910  | 0.979 | 0.997 | 1     |
| GO:0061912  | 0.996 | 0.996 | 2     |
| GO:0061913  | 0.998 | 0.998 | 1     |
| GO:0061919  | 0.998 | 0.998 | 1     |
| GO:0061921  | 0.998 | 0.998 | 1     |
| GO:0061928  | 0.995 | 0.995 | 2     |
| GO:0061929 | 1 | 0.997990564 | 0 | 1 |
| GO:0061944 | 1 | 0.99599724 | 0 | 2 |
| GO:0061951 | 1 | 0.991986751 | 0 | 4 |
| GO:0061952 | 1 | 0.966257097 | 0 | 17 |
| GO:0061953 | 1 | 0.993976346 | 0 | 3 |
| GO:0061956 | 1 | 0.997990564 | 0 | 1 |
| GO:0061966 | 1 | 0.994007662 | 0 | 3 |
| GO:0061974 | 1 | 0.997999867 | 0 | 1 |
| GO:0061975 | 1 | 0.99599976 | 0 | 2 |
| GO:0061981 | 1 | 0.997969613 | 0 | 13 |
| GO:0062003 | 1 | 0.997993682 | 0 | 1 |
| GO:0062009 | 1 | 0.974347026 | 0 | 1 |
| GO:0062023 | 1 | 0.998012203 | 0 | 1 |
| GO:0062026 | 1 | 0.996005669 | 0 | 2 |
| GO:0062029 | 1 | 0.996005669 | 0 | 2 |
| GO:0062030 | 1 | 0.99796836 | 0 | 1 |
| GO:0062037 | 1 | 0.99796282 | 0 | 1 |
| GO:0062043 | 1 | 0.996007009 | 0 | 1 |
| GO:0062050 | 1 | 0.997991408 | 0 | 1 |
| GO:0062061 | 1 | 0.995976499 | 0 | 2 |
| GO:0062064 | 1 | 0.99800762 | 0 | 1 |
| GO:0062065 | 1 | 0.99800762 | 0 | 1 |
| GO:0062069 | 1 | 0.998003237 | 0 | 1 |
| GO:0062072 | 1 | 0.998010751 | 0 | 1 |
| GO:0062076 | 1 | 0.997990564 | 0 | 1 |
| GO:0062078 | 1 | 0.997990564 | 0 | 1 |
| GO:0062082 | 1 | 0.997997344 | 0 | 1 |
| GO:0062094 | 1 | 0.99799867 | 0 | 1 |
| GO:0062098 | 1 | 0.997987562 | 0 | 1 |
| GO:0062099 | 1 | 0.993953442 | 0 | 3 |
| GO:0062100 | 1 | 0.99798013 | 0 | 1 |
| GO:0062101 | 1 | 0.998003428 | 0 | 1 |
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| GO:0062105 | 1 | 0.9980266 | 0 | 1 |
| GO:0062112 | 1 | 0.998004627 | 0 | 1 |
| GO:0062124 | 1 | 0.997990564 | 0 | 1 |
| GO:0062152 | 1 | 0.997995399 | 0 | 1 |
| GO:0062153 | 1 | 0.995966374 | 0 | 2 |
| GO:0062154 | 1 | 0.997967717 | 0 | 1 |
| GO:0062156 | 1 | 0.997969916 | 0 | 1 |
| GO:0062157 | 1 | 0.99598588 | 0 | 2 |
| GO:0062173 | 1 | 0.997959295 | 0 | 1 |
| GO:0062175 | 1 | 0.997970082 | 0 | 1 |
| ID    | GO:0062176   |   | 0.990015281 | 0 | 5   |
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| 12985 | GO:0062177   |   | 0.99593453  | 0 | 2   |
| 12986 | GO:0062180   |   | 0.997997008 | 0 | 1   |
| 12987 | GO:0062181   |   | 0.99591854  | 0 | 2   |
| 12988 | GO:0062182   |   | 0.997981615 | 0 | 1   |
| 12989 | GO:0062183   |   | 0.995965589 | 0 | 2   |
| 12990 | GO:0062184   |   | 0.995979211 | 0 | 2   |
| 12991 | GO:0062185   |   | 0.997986485 | 0 | 1   |
| 12992 | GO:0062187   |   | 0.993969443 | 0 | 3   |
| 12993 | GO:0062188   |   | 0.993969443 | 0 | 3   |
| 12994 | GO:0062189   |   | 0.991965796 | 0 | 4   |
| 12995 | GO:0062208   |   | 0.998011501 | 0 | 1   |
| 12996 | GO:0062213   |   | 0.997969972 | 0 | 1   |
| 12997 | GO:0062234   |   | 0.995939404 | 0 | 2   |
| 12998 | GO:0062237   |   | 0.998013437 | 0 | 1   |
| 12999 | GO:0065001   |   | 0.99603071  | 0 | 2   |
| 13000 | GO:0065002   |   | 0.993995359 | 0 | 3   |
| 13001 | GO:0065003   |   | 0.778889072 | 0 | 124 |
| 13002 | GO:0065004   |   | 0.992000833 | 0 | 4   |
| 13003 | GO:0065010   |   | 0.997987919 | 0 | 1   |
| 13004 | GO:0070001   |   | 0.99590753  | 0 | 2   |
| 13005 | GO:0070002   |   | 0.997966097 | 0 | 1   |
| 13006 | GO:0070004   |   | 0.993984707 | 0 | 3   |
| 13007 | GO:0070006   |   | 0.949172102 | 0 | 26  |
| 13008 | GO:0070008   |   | 0.997979948 | 0 | 1   |
| 13009 | GO:0070012   |   | 0.994002225 | 0 | 3   |
| 13100 | GO:0070016   |   | 0.98020611  | 0 | 10  |
| 13101 | GO:0070025   |   | 0.997988215 | 0 | 1   |
| 13102 | GO:0070026   |   | 0.99392695  | 0 | 3   |
| 13103 | GO:0070032   |   | 0.993954328 | 0 | 3   |
| 13104 | GO:0070033   |   | 0.993985386 | 0 | 3   |
| 13105 | GO:0070034   |   | 0.956677756 | 0 | 22  |
| 13106 | GO:0070037   |   | 0.997961268 | 0 | 1   |
| 13107 | GO:0070039   |   | 0.995970306 | 0 | 2   |
| 13108 | GO:0070042   |   | 0.997994926 | 0 | 1   |
| 13109 | GO:0070044   |   | 0.991967605 | 0 | 4   |
| 13120 | GO:0070050   |   | 0.964499018 | 0 | 18  |
| 13121 | GO:0070051   |   | 0.992033215 | 0 | 4   |
| 13122 | GO:0070052   |   | 0.996014252 | 0 | 2   |
| 13123 | GO:0070053   |   | 0.993993231 | 0 | 3   |
| 13124 | GO:0070054   |   | 0.998007771 | 0 | 1   |
| 13125 | GO:0070059   |   | 0.937648944 | 0 | 32  |
| 13126 | GO:0070060   |   | 0.998013437 | 0 | 1   |
| 13127 | GO:0070061   |   | 0.989974027 | 0 | 5   |
| 13128 | GO:0070062   |   | 0.016467427 | 0 | 1947|
| GO:0070063 | 1 | 0.964484602 | 0 | 18 |
| GO:0070064 | 1 | 0.962662662 | 0 | 19 |
| GO:0070069 | 1 | 0.99400394  | 0 |  3 |
| GO:0070070 | 1 | 0.995965126 | 0 |  2 |
| GO:0070072 | 1 | 0.988002203 | 0 |  6 |
| GO:0070076 | 1 | 0.997988665 | 0 |  1 |
| GO:0070078 | 1 | 0.998003307 | 0 |  1 |
| GO:0070079 | 1 | 0.998003307 | 0 |  1 |
| GO:0070080 | 1 | 0.997959464 | 0 |  1 |
| GO:0070083 | 1 | 0.991979232 | 0 |  4 |
| GO:0070084 | 1 | 0.995965126 | 0 |  2 |
| GO:0070085 | 1 | 0.998003307 | 0 |  1 |
| GO:0070086 | 1 | 0.994026107 | 0 |  3 |
| GO:0070087 | 1 | 0.98809548  | 0 |  6 |
| GO:0070089 | 1 | 0.998013437 | 0 |  1 |
| GO:0070091 | 1 | 0.99793848  | 0 |  1 |
| GO:0070092 | 1 | 0.99399835  | 0 |  3 |
| GO:0070093 | 1 | 0.995970974 | 0 |  2 |
| GO:0070094 | 1 | 0.995982451 | 0 |  2 |
| GO:0070095 | 1 | 0.991981184 | 0 |  4 |
| GO:0070097 | 1 | 0.982117924 | 0 |  9 |
| GO:0070100 | 1 | 0.986076006 | 0 |  7 |
| GO:0070101 | 1 | 0.995991753 | 0 |  2 |
| GO:0070104 | 1 | 0.995974865 | 0 |  2 |
| GO:0070105 | 1 | 0.993976037 | 0 |  3 |
| GO:0070109 | 1 | 0.996010011 | 0 |  2 |
| GO:0070110 | 1 | 0.998008754 | 0 |  1 |
| GO:0070122 | 1 | 0.99201972  | 0 |  4 |
| GO:0070129 | 1 | 0.998013416 | 0 |  1 |
| GO:0070123 | 1 | 0.976001413 | 0 | 12 |
| GO:0070124 | 1 | 0.998013437 | 0 |  1 |
| GO:0070125 | 1 | 0.99595581  | 0 |  2 |
| GO:0070126 | 1 | 0.835801476 | 0 | 88 |
| GO:0070127 | 1 | 0.834120631 | 0 | 89 |
| GO:0070129 | 1 | 0.998006752 | 0 |  1 |
| GO:0070129 | 1 | 0.983973915 | 0 |  8 |
| GO:0070130 | 1 | 0.997990564 | 0 |  1 |
| GO:0070131 | 1 | 0.970143267 | 0 | 15 |
| GO:0070139 | 1 | 0.994035065 | 0 |  3 |
| GO:0070140 | 1 | 0.994021069 | 0 |  3 |
| GO:0070141 | 1 | 0.994001562 | 0 |  3 |
| GO:0070142 | 1 | 0.997978237 | 0 |  1 |
| GO:0070143 | 1 | 0.998012382 | 0 |  1 |
| GO:0070145 | 1 | 0.997999739 | 0 |  1 |
|   | Description | Value | Score | Count |
|---|-------------|-------|-------|-------|
| 13077 | GO:0070158 | 1 | 0.997979817 | 0 | 1 |
| 13078 | GO:0070159 | 1 | 0.997984805 | 0 | 1 |
| 13079 | GO:0070160 | 1 | 0.968307488 | 0 | 16 |
| 13080 | GO:0070164 | 1 | 0.992021706 | 0 | 4 |
| 13081 | GO:0070165 | 1 | 0.99599829 | 0 | 2 |
| 13082 | GO:0070166 | 1 | 0.978206883 | 0 | 11 |
| 13083 | GO:0070168 | 1 | 0.982115049 | 0 | 9 |
| 13084 | GO:0070169 | 1 | 0.989921755 | 0 | 5 |
| 13085 | GO:0070171 | 1 | 0.998013437 | 0 | 1 |
| 13086 | GO:0070172 | 1 | 0.995976304 | 0 | 2 |
| 13087 | GO:0070175 | 1 | 0.993976137 | 0 | 3 |
| 13088 | GO:0070176 | 1 | 0.997975199 | 0 | 1 |
| 13089 | GO:0070178 | 1 | 0.997986313 | 0 | 1 |
| 13090 | GO:0070179 | 1 | 0.997986313 | 0 | 1 |
| 13091 | GO:0070180 | 1 | 0.989836419 | 0 | 5 |
| 13092 | GO:0070181 | 1 | 0.98185433 | 0 | 9 |
| 13093 | GO:0070182 | 1 | 0.964483631 | 0 | 18 |
| 13094 | GO:0070183 | 1 | 0.997991586 | 0 | 1 |
| 13095 | GO:0070184 | 1 | 0.997981211 | 0 | 1 |
| 13096 | GO:0070187 | 1 | 0.986006857 | 0 | 7 |
| 13097 | GO:0070189 | 1 | 0.991999891 | 0 | 4 |
| 13098 | GO:0070191 | 1 | 0.997990564 | 0 | 1 |
| 13099 | GO:0070192 | 1 | 0.984072692 | 0 | 8 |
| 13100 | GO:0070193 | 1 | 0.995950624 | 0 | 2 |
| 13101 | GO:0070194 | 1 | 0.995976129 | 0 | 2 |
| 13102 | GO:0070195 | 1 | 0.998010412 | 0 | 1 |
| 13103 | GO:0070197 | 1 | 0.991999878 | 0 | 4 |
| 13104 | GO:0070198 | 1 | 0.978164683 | 0 | 11 |
| 13105 | GO:0070200 | 1 | 0.990038715 | 0 | 5 |
| 13106 | GO:0070201 | 1 | 0.984096513 | 0 | 8 |
| 13107 | GO:0070202 | 1 | 0.997990564 | 0 | 1 |
| 13108 | GO:0070206 | 1 | 0.997966363 | 0 | 1 |
| 13109 | GO:0070207 | 1 | 0.972152903 | 0 | 14 |
| 13110 | GO:0070208 | 1 | 0.998013387 | 0 | 1 |
| 13111 | GO:0070209 | 1 | 0.99399242 | 0 | 3 |
| 13112 | GO:0070212 | 1 | 0.984103931 | 0 | 8 |
| 13113 | GO:0070213 | 1 | 0.976246357 | 0 | 12 |
| 13114 | GO:0070221 | 1 | 0.989902835 | 0 | 5 |
| 13115 | GO:0070224 | 1 | 0.997990564 | 0 | 1 |
| 13116 | GO:0070228 | 1 | 0.997966363 | 0 | 1 |
| 13117 | GO:0070231 | 1 | 0.991981027 | 0 | 4 |
| 13118 | GO:0070232 | 1 | 0.994000254 | 0 | 3 |
| 13119 | GO:0070233 | 1 | 0.985986599 | 0 | 7 |
| 13120 | GO:0070234 | 1 | 0.993911974 | 0 | 3 |
| 13121 | GO:0070235 | 1 | 0.997977348 | 0 | 1 |
| GO:0070236 | 1 | 0.993978995 | 0 | 3 |
| GO:0070241 | 1 | 0.997972973 | 0 | 1 |
| GO:0070242 | 1 | 0.989993705 | 0 | 5 |
| GO:0070243 | 1 | 0.995999541 | 0 | 2 |
| GO:0070244 | 1 | 0.986028025 | 0 | 7 |
| GO:0070245 | 1 | 0.994011052 | 0 | 3 |
| GO:0070246 | 1 | 0.991916508 | 0 | 4 |
| GO:0070247 | 1 | 0.995966445 | 0 | 2 |
| GO:0070248 | 1 | 0.987987039 | 0 | 6 |
| GO:0070249 | 1 | 0.972220765 | 0 | 14 |
| GO:0070250 | 1 | 0.997990564 | 0 | 1 |
| GO:0070251 | 1 | 0.960598637 | 0 | 20 |
| GO:0070252 | 1 | 0.998002856 | 0 | 1 |
| GO:0070253 | 1 | 0.830150937 | 0 | 92 |
| GO:0070254 | 1 | 0.972145431 | 0 | 14 |
| GO:0070255 | 1 | 0.941510040 | 0 | 30 |
| GO:0070256 | 1 | 0.997987360 | 0 | 1 |
| GO:0070257 | 1 | 0.991979937 | 0 | 4 |
| GO:0070258 | 1 | 0.998005759 | 0 | 1 |
| GO:0070259 | 1 | 0.970246179 | 0 | 15 |
| GO:0070260 | 1 | 0.994039801 | 0 | 3 |
| GO:0070261 | 1 | 0.989958722 | 0 | 5 |
| GO:0070262 | 1 | 0.982056531 | 0 | 9 |
| GO:0070263 | 1 | 0.987941123 | 0 | 6 |
| GO:0070264 | 1 | 0.992013199 | 0 | 4 |
| GO:0070265 | 1 | 0.993967977 | 0 | 3 |
| GO:0070266 | 1 | 0.992029073 | 0 | 4 |
| GO:0070267 | 1 | 0.958709817 | 0 | 21 |
| GO:0070268 | 1 | 0.877365544 | 0 | 65 |
| GO:0070269 | 1 | 0.997996776 | 0 | 1 |
| GO:0070270 | 1 | 0.995992381 | 0 | 2 |
| GO:0070271 | 1 | 0.997963089 | 0 | 1 |
| GO:0070272 | 1 | 0.980215191 | 0 | 10 |
| GO:0070273 | 1 | 0.986018987 | 0 | 7 |
| GO:0070274 | 1 | 0.990039758 | 0 | 5 |
| GO:0070275 | 1 | 0.988007528 | 0 | 6 |
| GO:0070276 | 1 | 0.993985286 | 0 | 3 |
| GO:0070277 | 1 | 0.998006716 | 0 | 1 |
| GO:0070278 | 1 | 0.924621225 | 0 | 39 |
| GO:0070279 | 1 | 0.919860472 | 0 | 4 |
| GO:0070280 | 1 | 0.996000636 | 0 | 2 |
| GO:0070320  | 1 | 0.997989294 | 0 | 1 |
|-------------|---|-------------|---|---|
| GO:0070324  | 1 | 0.989976922 | 0 | 5 |
| GO:0070325  | 1 | 0.996030731 | 0 | 2 |
| GO:0070326  | 1 | 0.991975671 | 0 | 4 |
| GO:0070327  | 1 | 0.986071999 | 0 | 7 |
| GO:0070328  | 1 | 0.964295613 | 0 | 18 |
| GO:0070329  | 1 | 0.948855408 | 0 | 26 |
| GO:0070330  | 1 | 0.998013437 | 0 | 1 |
| GO:0070331  | 1 | 0.995992654 | 0 | 2 |
| GO:0070332  | 1 | 0.998013437 | 0 | 1 |
| GO:0070333  | 1 | 0.990003864 | 0 | 5 |
| GO:0070334  | 1 | 0.997989952 | 0 | 1 |
| GO:0070335  | 1 | 0.97946933  | 0 | 1 |
| GO:0070336  | 1 | 0.98009966  | 0 | 1 |
| GO:0070337  | 1 | 0.986041022 | 0 | 7 |
| GO:0070338  | 1 | 0.976119427 | 0 | 12 |
| GO:0070339  | 1 | 0.979791999 | 0 | 1 |
| GO:0070340  | 1 | 0.997963363 | 0 | 1 |
| GO:0070341  | 1 | 0.994033151 | 0 | 3 |
| GO:0070342  | 1 | 0.989923197 | 0 | 5 |
| GO:0070343  | 1 | 0.945220516 | 0 | 28 |
| GO:0070344  | 1 | 0.945398384 | 0 | 28 |
| GO:0070345  | 1 | 0.722259799 | 0 | 161 |
| GO:0070346  | 1 | 0.96001801  | 0 | 2 |
| GO:0070347  | 1 | 0.995985075 | 0 | 2 |
| GO:0070348  | 1 | 0.99609713  | 0 | 2 |
| GO:0070349  | 1 | 0.94921098  | 0 | 26 |
| GO:0070350  | 1 | 0.981950335 | 0 | 9 |
| GO:0070351  | 1 | 0.994012035 | 0 | 3 |
| GO:0070352  | 1 | 0.98990462  | 0 | 5 |
| GO:0070353  | 1 | 0.997961288 | 0 | 1 |
| GO:0070354  | 1 | 0.93949913  | 0 | 3 |
| GO:0070355  | 1 | 0.970242795 | 0 | 15 |
| GO:0070356  | 1 | 0.968259686 | 0 | 16 |
| GO:0070357  | 1 | 0.993928247 | 0 | 3 |
| GO:0070358  | 1 | 0.97996249  | 0 | 1 |
| GO:0070359  | 1 | 0.998013437 | 0 | 1 |
| GO:0070360  | 1 | 0.980192505 | 0 | 10 |
| GO:0070361  | 1 | 0.972413365 | 0 | 14 |
| GO:0070362  | 1 | 0.958822682 | 0 | 21 |
| GO:0070363  | 1 | 0.99793713  | 0 | 1 |
| GO:0070364  | 1 | 0.98210872  | 0 | 9 |
| GO:0070365  | 1 | 0.996027868 | 0 | 2 |
| GO:0070366  | 1 | 0.984061477 | 0 | 8 |
| GO:0070367  | 1 | 0.99800221  | 0 | 1 |
| GO:0070423 | 1 | 0.954811194 | 0 | 23 |
| GO:0070424 | 1 | 0.99006863 | 0 | 5 |
| GO:0070427 | 1 | 0.995963104 | 0 | 2 |
| GO:0070429 | 1 | 0.998010813 | 0 | 1 |
| GO:0070430 | 1 | 0.994002971 | 0 | 3 |
| GO:0070431 | 1 | 0.989995429 | 0 | 5 |
| GO:0070435 | 1 | 0.996012293 | 0 | 2 |
| GO:0070436 | 1 | 0.994017281 | 0 | 3 |
| GO:0070437 | 1 | 0.991985904 | 0 | 4 |
| GO:0070438 | 1 | 0.995933801 | 0 | 2 |
| GO:0070440 | 1 | 0.97997701 | 0 | 1 |
| GO:0070442 | 1 | 0.989958954 | 0 | 5 |
| GO:0070443 | 1 | 0.993963219 | 0 | 3 |
| GO:0070444 | 1 | 0.991985904 | 0 | 4 |
| GO:0070445 | 1 | 0.986055036 | 0 | 7 |
| GO:0070446 | 1 | 0.998003737 | 0 | 1 |
| GO:0070447 | 1 | 0.998001347 | 0 | 1 |
| GO:0070448 | 1 | 0.877807086 | 0 | 64 |
| GO:0070449 | 1 | 0.99797718 | 0 | 1 |
| GO:0070450 | 1 | 0.99403036 | 0 | 3 |
| GO:0070451 | 1 | 0.9992678 | 0 | 1 |
| GO:0070452 | 1 | 0.986035036 | 0 | 7 |
| GO:0070453 | 1 | 0.998003737 | 0 | 1 |
| GO:0070454 | 1 | 0.998001347 | 0 | 1 |
| GO:0070455 | 1 | 0.877807086 | 0 | 64 |
| GO:0070456 | 1 | 0.997987857 | 0 | 1 |
| GO:0070457 | 1 | 0.99397667 | 0 | 3 |
| GO:0070458 | 1 | 0.997977802 | 0 | 1 |
| GO:0070459 | 1 | 0.990036263 | 0 | 5 |
| GO:0070460 | 1 | 0.987971219 | 0 | 6 |
| GO:0070461 | 1 | 0.995946304 | 0 | 2 |
| GO:0070462 | 1 | 0.998009229 | 0 | 1 |
| GO:0070463 | 1 | 0.9992678 | 0 | 1 |
| GO:0070464 | 1 | 0.9992678 | 0 | 1 |
| GO:0070465 | 1 | 0.9992678 | 0 | 1 |
| GO:0070466 | 1 | 0.9992678 | 0 | 1 |
| GO:0070467 | 1 | 0.9992678 | 0 | 1 |
| GO:0070468 | 1 | 0.9992678 | 0 | 1 |
| GO:0070469 | 1 | 0.9992678 | 0 | 1 |
| GO:0070470 | 1 | 0.9992678 | 0 | 1 |
| GO:0070471 | 1 | 0.9992678 | 0 | 1 |
| GO:0070472 | 1 | 0.9992678 | 0 | 1 |
| GO:0070473 | 1 | 0.9992678 | 0 | 1 |
| GO:0070474 | 1 | 0.9992678 | 0 | 1 |
| GO:0070475 | 1 | 0.9992678 | 0 | 1 |
| GO:0070476 | 1 | 0.9992678 | 0 | 1 |
| GO:0070477 | 1 | 0.9992678 | 0 | 1 |
| GO:0070478 | 1 | 0.9992678 | 0 | 1 |
| GO:0070479 | 1 | 0.9992678 | 0 | 1 |
| GO:0070480 | 1 | 0.9992678 | 0 | 1 |
| GO:0070481 | 1 | 0.9992678 | 0 | 1 |
| GO:0070482 | 1 | 0.9992678 | 0 | 1 |
| GO:0070483 | 1 | 0.9992678 | 0 | 1 |
| GO:0070484 | 1 | 0.9992678 | 0 | 1 |
| GO:0070485 | 1 | 0.9992678 | 0 | 1 |
| GO:0070486 | 1 | 0.9992678 | 0 | 1 |
| GO:0070487 | 1 | 0.9992678 | 0 | 1 |
| GO:0070488 | 1 | 0.9992678 | 0 | 1 |
| GO:0070489 | 1 | 0.9992678 | 0 | 1 |
| GO:0070490 | 1 | 0.9992678 | 0 | 1 |
| GO:0070491 | 1 | 0.9992678 | 0 | 1 |
| GO:0070492 | 1 | 0.9992678 | 0 | 1 |
| GO:0070493 | 1 | 0.9992678 | 0 | 1 |
| GO:0070494 | 1 | 0.9992678 | 0 | 1 |
| GO:0070495 | 1 | 0.9992678 | 0 | 1 |
| GO:0070496 | 1 | 0.9992678 | 0 | 1 |
| GO:0070497 | 1 | 0.9992678 | 0 | 1 |
| GO:0070498 | 1 | 0.9992678 | 0 | 1 |
| GO:0070499 | 1 | 0.9992678 | 0 | 1 |
| GO:0070500 | 1 | 0.9992678 | 0 | 1 |
| GO:0070501 | 1 | 0.9992678 | 0 | 1 |
| GO:0070502 | 1 | 0.9992678 | 0 | 1 |
| GO:0070503 | 1 | 0.9992678 | 0 | 1 |
| GO:0070504 | 1 | 0.9992678 | 0 | 1 |
| GO:0070505 | 1 | 0.9992678 | 0 | 1 |
| GO:0070506 | 1 | 0.9992678 | 0 | 1 |
| GO:0070507 | 1 | 0.9992678 | 0 | 1 |
| GO:0070508 | 1 | 0.9992678 | 0 | 1 |
| GO:0070509 | 1 | 0.9992678 | 0 | 1 |
| GO:0070510 | 1 | 0.9992678 | 0 | 1 |
| GO:0070511 | 1 | 0.9992678 | 0 | 1 |
| GO:0070512 | 1 | 0.9992678 | 0 | 1 |
| GO          | score  | p-value | n | n_ref | n_0 |
|------------|--------|---------|---|-------|-----|
| GO:0070513 | 0.9899 | 0.0001  | 5 |       |     |
| GO:0070516 | 0.9919 | 0.0001  | 4 |       |     |
| GO:0070522 | 0.9920 | 0.0001  | 4 |       |     |
| GO:0070524 | 0.9979 | 0.0001  | 1 |       |     |
| GO:0070525 | 0.9597 | 0.0001  | 2 |       |     |
| GO:0070527 | 0.9264 | 0.0001  | 38|       |     |
| GO:0070528 | 0.9741 | 0.0001  | 13|       |     |
| GO:0070530 | 0.9264 | 0.0001  | 22|       |     |
| GO:0070531 | 0.9840 | 0.0001  | 8 |       |     |
| GO:0070534 | 0.9170 | 0.0001  | 43|       |     |
| GO:0070535 | 0.9959 | 0.0001  | 2 |       |     |
| GO:0070536 | 0.9939 | 0.0001  | 31|       |     |
| GO:0070537 | 0.9398 | 0.0001  | 3 |       |     |
| GO:0070538 | 0.9959 | 0.0001  | 2 |       |     |
| GO:0070539 | 0.9980 | 0.0001  | 1 |       |     |
| GO:0070541 | 0.9939 | 0.0001  | 3 |       |     |
| GO:0070543 | 0.9959 | 0.0001  | 2 |       |     |
| GO:0070544 | 0.9802 | 0.0001  | 10|       |     |
| GO:0070545 | 0.9939 | 0.0001  | 3 |       |     |
| GO:0070548 | 0.9799 | 0.0001  | 1 |       |     |
| GO:0070551 | 0.9799 | 0.0001  | 1 |       |     |
| GO:0070552 | 0.9899 | 0.0001  | 5 |       |     |
| GO:0070553 | 0.9799 | 0.0001  | 1 |       |     |
| GO:0070554 | 0.9959 | 0.0001  | 2 |       |     |
| GO:0070555 | 0.9358 | 0.0001  | 33|       |     |
| GO:0070557 | 0.9959 | 0.0001  | 2 |       |     |
| GO:0070560 | 0.9959 | 0.0001  | 2 |       |     |
| GO:0070561 | 0.9940 | 0.0001  | 3 |       |     |
| GO:0070562 | 0.9940 | 0.0001  | 3 |       |     |
| GO:0070563 | 0.9959 | 0.0001  | 2 |       |     |
| GO:0070564 | 0.9939 | 0.0001  | 3 |       |     |
| GO:0070566 | 0.9799 | 0.0001  | 1 |       |     |
| GO:0070567 | 0.9799 | 0.0001  | 1 |       |     |
| GO:0070568 | 0.9959 | 0.0001  | 2 |       |     |
| GO:0070569 | 0.9918 | 0.0001  | 4 |       |     |
| GO:0070570 | 0.9980 | 0.0001  | 1 |       |     |
| GO:0070571 | 0.9960 | 0.0001  | 2 |       |     |
| GO:0070572 | 0.9977 | 0.0001  | 1 |       |     |
| GO:0070573 | 0.9899 | 0.0001  | 5 |       |     |
| GO:0070574 | 0.9900 | 0.0001  | 5 |       |     |
| GO:0070576 | 0.9939 | 0.0001  | 3 |       |     |
| GO:0070577 | 0.9588 | 0.0001  | 21|       |     |
| GO:0070578 | 0.9820 | 0.0001  | 9 |       |     |
| GO:0070579 | 0.9920 | 0.0001  | 4 |       |     |
| GO:0070584 | 0.9604 | 0.0001  | 20|       |     |
| ID   | GO:ID   | Value | Count | |  |
|------|---------|-------|-------|---|---|
| 13306 | GO:0070585 | 1 | 0.988024163 | 0 | 6 |
| 13307 | GO:0070586 | 1 | 0.99789766 | 0 | 1 |
| 13309 | GO:0070593 | 1 | 0.970436334 | 0 | 15 |
| 13310 | GO:0070602 | 1 | 0.994027253 | 0 | 3 |
| 13311 | GO:0070611 | 1 | 0.997988758 | 0 | 1 |
| 13312 | GO:0070612 | 1 | 0.997988758 | 0 | 1 |
| 13313 | GO:0070613 | 1 | 0.98407597 | 0 | 8 |
| 13314 | GO:0070615 | 1 | 0.938172259 | 0 | 32 |
| 13315 | GO:0070618 | 1 | 0.997989549 | 0 | 1 |
| 13316 | GO:0070625 | 1 | 0.99797994 | 0 | 1 |
| 13317 | GO:0070626 | 1 | 0.997969493 | 0 | 1 |
| 13318 | GO:0070628 | 1 | 0.964389098 | 0 | 18 |
| 13319 | GO:0070633 | 1 | 0.980204783 | 0 | 10 |
| 13320 | GO:0070634 | 1 | 0.993979097 | 0 | 3 |
| 13321 | GO:0070640 | 1 | 0.995972806 | 0 | 2 |
| 13322 | GO:0070643 | 1 | 0.997997008 | 0 | 1 |
| 13323 | GO:0070644 | 1 | 0.94046923 | 0 | 3 |
| 13324 | GO:0070646 | 1 | 0.994006307 | 0 | 3 |
| 13325 | GO:0070649 | 1 | 0.994036628 | 0 | 3 |
| 13326 | GO:0070651 | 1 | 0.99799308 | 0 | 1 |
| 13327 | GO:0070652 | 1 | 0.984034791 | 0 | 8 |
| 13328 | GO:0070653 | 1 | 0.997958205 | 0 | 1 |
| 13329 | GO:0070661 | 1 | 0.997992508 | 0 | 1 |
| 13330 | GO:0070662 | 1 | 0.998013176 | 0 | 1 |
| 13331 | GO:0070663 | 1 | 0.997974452 | 0 | 1 |
| 13332 | GO:0070664 | 1 | 0.997959464 | 0 | 1 |
| 13333 | GO:0070665 | 1 | 0.995942045 | 0 | 2 |
| 13334 | GO:0070667 | 1 | 0.99599645 | 0 | 2 |
| 13335 | GO:0070668 | 1 | 0.99601261 | 0 | 2 |
| 13336 | GO:0070669 | 1 | 0.996030313 | 0 | 2 |
| 13337 | GO:0070670 | 1 | 0.994050224 | 0 | 3 |
| 13338 | GO:0070671 | 1 | 0.99600523 | 0 | 2 |
| 13339 | GO:0070672 | 1 | 0.994051205 | 0 | 3 |
| 13340 | GO:0070673 | 1 | 0.993989216 | 0 | 3 |
| 13341 | GO:0070674 | 1 | 0.998013436 | 0 | 1 |
| 13342 | GO:0070675 | 1 | 0.998013436 | 0 | 1 |
| 13343 | GO:0070676 | 1 | 0.995947355 | 0 | 2 |
| 13344 | GO:0070678 | 1 | 0.997989441 | 0 | 1 |
| 13345 | GO:0070679 | 1 | 0.982243595 | 0 | 9 |
| 13346 | GO:0070681 | 1 | 0.993959391 | 0 | 3 |
| 13347 | GO:0070682 | 1 | 0.993966187 | 0 | 3 |
| 13348 | GO:0070684 | 1 | 0.997962935 | 0 | 1 |
| 13349 | GO:0070685 | 1 | 0.997980439 | 0 | 1 |
| 13350 | GO:0070691 | 1 | 0.995977927 | 0 | 2 |
| 13351 | GO:0070694 | 1 | 0.997990564 | 0 | 1 |
| ID     | GO ID     | Value  | Significance | Count |
|--------|-----------|--------|--------------|-------|
| 13352  | GO:0070695| 1      | 0.99037898   | 0     | 5    |
| 13353  | GO:0070697| 1      | 0.99572588   | 0     | 2    |
| 13354  | GO:0070698| 1      | 0.993948613  | 0     | 3    |
| 13355  | GO:0070699| 1      | 0.99401452   | 0     | 3    |
| 13356  | GO:0070700| 1      | 0.976194863  | 0     | 12   |
| 13357  | GO:0070701| 1      | 0.993969635  | 0     | 3    |
| 13358  | GO:0070715| 1      | 0.99798598   | 0     | 1    |
| 13359  | GO:0070716| 1      | 0.997986094  | 0     | 1    |
| 13360  | GO:0070723| 1      | 0.984146588  | 0     | 8    |
| 13361  | GO:0070724| 1      | 0.994011381  | 0     | 3    |
| 13362  | GO:0070728| 1      | 0.986064878  | 0     | 7    |
| 13363  | GO:0070730| 1      | 0.996021677  | 0     | 2    |
| 13364  | GO:0070731| 1      | 0.998006763  | 0     | 1    |
| 13365  | GO:0070733| 1      | 0.995967109  | 0     | 2    |
| 13366  | GO:0070734| 1      | 0.990034787  | 0     | 5    |
| 13367  | GO:0070735| 1      | 0.995994923  | 0     | 2    |
| 13368  | GO:0070736| 1      | 0.99800432   | 0     | 1    |
| 13369  | GO:0070739| 1      | 0.996011241  | 0     | 2    |
| 13370  | GO:0070740| 1      | 0.98109652   | 0     | 10   |
| 13371  | GO:0070741| 1      | 0.995965185  | 0     | 2    |
| 13372  | GO:0070742| 1      | 0.97816352   | 0     | 11   |
| 13373  | GO:0070743| 1      | 0.997961071  | 0     | 1    |
| 13375  | GO:0070761| 1      | 0.985944522  | 0     | 7    |
| 13376  | GO:0070762| 1      | 0.997990564  | 0     | 1    |
| 13377  | GO:0070765| 1      | 0.98602309   | 0     | 7    |
| 13378  | GO:0070772| 1      | 0.997996022  | 0     | 1    |
| 13379  | GO:0070773| 1      | 0.997990564  | 0     | 1    |
| 13380  | GO:0070774| 1      | 0.998010588  | 0     | 1    |
| 13381  | GO:0070776| 1      | 0.982127674  | 0     | 9    |
| 13382  | GO:0070777| 1      | 0.998004621  | 0     | 1    |
| 13383  | GO:0070778| 1      | 0.984068353  | 0     | 8    |
| 13384  | GO:0070779| 1      | 0.992031033  | 0     | 4    |
| 13385  | GO:0070780| 1      | 0.995967092  | 0     | 2    |
| 13386  | GO:0070781| 1      | 0.998013437  | 0     | 1    |
| 13387  | GO:0070782| 1      | 0.986059471  | 0     | 7    |
| 13388  | GO:0070813| 1      | 0.99595135   | 0     | 2    |
| 13389  | GO:0070814| 1      | 0.991946303  | 0     | 4    |
| 13390  | GO:0070815| 1      | 0.998003307  | 0     | 1    |
| 13391  | GO:0070816| 1      | 0.982050597  | 0     | 9    |
| 13392  | GO:0070820| 1      | 0.991993737  | 0     | 4    |
| 13393  | GO:0070821| 1      | 0.882761128  | 0     | 62   |
| 13394  | GO:0070822| 1      | 0.990020676  | 0     | 5    |
| 13395  | GO:0070826| 1      | 0.998009073  | 0     | 1    |
| 13396  | GO:0070827| 1      | 0.996003722  | 0     | 2    |
| 13397  | GO:0070828| 1      | 0.984158105  | 0     | 8    |
| ID       | GO:0070829 | 1 | 0.992044782 | 0 | 4 |
|----------|------------|---|-------------|---|----|
| ID       | GO:0070830 | 1 | 0.896930056 | 0 | 54|
| ID       | GO:0070831 | 1 | 0.980183093 | 0 | 10|
| ID       | GO:0070836 | 1 | 0.993979062 | 0 | 3 |
| ID       | GO:0070837 | 1 | 0.99000367  | 0 | 5 |
| ID       | GO:0070839 | 1 | 0.998006135 | 0 | 1 |
| ID       | GO:0070840 | 1 | 0.953076466 | 0 | 24|
| ID       | GO:0070842 | 1 | 0.988020338 | 0 | 6 |
| ID       | GO:0070845 | 1 | 0.998008667 | 0 | 1 |
| ID       | GO:0070846 | 1 | 0.998008667 | 0 | 1 |
| ID       | GO:0070847 | 1 | 0.983984286 | 0 | 8 |
| ID       | GO:0070848 | 1 | 0.968299242 | 0 | 16|
| ID       | GO:0070849 | 1 | 0.992004132 | 0 | 4 |
| ID       | GO:0070851 | 1 | 0.980135948 | 0 | 10|
| ID       | GO:0070852 | 1 | 0.99002013  | 0 | 5 |
| ID       | GO:0070853 | 1 | 0.998013437 | 0 | 1 |
| ID       | GO:0070856 | 1 | 0.998013437 | 0 | 1 |
| ID       | GO:0070857 | 1 | 0.993991536 | 0 | 3 |
| ID       | GO:0070858 | 1 | 0.99799543  | 0 | 1 |
| ID       | GO:0070860 | 1 | 0.997983585 | 0 | 1 |
| ID       | GO:0070861 | 1 | 0.998013437 | 0 | 1 |
| ID       | GO:0070862 | 1 | 0.997989952 | 0 | 1 |
| ID       | GO:0070863 | 1 | 0.980207485 | 0 | 10|
| ID       | GO:0070868 | 1 | 0.998013437 | 0 | 1 |
| ID       | GO:0070873 | 1 | 0.989919601 | 0 | 5 |
| ID       | GO:0070876 | 1 | 0.992006441 | 0 | 4 |
| ID       | GO:0070877 | 1 | 0.996005372 | 0 | 2 |
| ID       | GO:0070878 | 1 | 0.984126513 | 0 | 8 |
| ID       | GO:0070883 | 1 | 0.987995328 | 0 | 6 |
| ID       | GO:0070884 | 1 | 0.996009564 | 0 | 2 |
| ID       | GO:0070885 | 1 | 0.974183721 | 0 | 13|
| ID       | GO:0070886 | 1 | 0.974230002 | 0 | 13|
| ID       | GO:0070888 | 1 | 0.93588257  | 0 | 33|
| ID       | GO:0070889 | 1 | 0.997989069 | 0 | 1 |
| ID       | GO:0070891 | 1 | 0.993943549 | 0 | 3 |
| ID       | GO:0070892 | 1 | 0.997979792 | 0 | 1 |
| ID       | GO:0070895 | 1 | 0.996008432 | 0 | 2 |
| ID       | GO:0070897 | 1 | 0.993965935 | 0 | 3 |
| ID       | GO:0070898 | 1 | 0.998013437 | 0 | 1 |
| ID       | GO:0070899 | 1 | 0.997994451 | 0 | 1 |
| ID       | GO:0070900 | 1 | 0.995963779 | 0 | 2 |
| ID       | GO:0070901 | 1 | 0.989969221 | 0 | 5 |
| ID       | GO:0070902 | 1 | 0.995962975 | 0 | 2 |
| ID       | GO:0070904 | 1 | 0.99600176  | 0 | 2 |
| ID       | GO:0070905 | 1 | 0.991981953 | 0 | 4 |
| GO ID   | GO Term          | Count | p-value | q-value |
|---------|------------------|-------|---------|---------|
| GO:0070911 | 1                | 0.949007092 | 0 | 26 |
| GO:0070914 | 1                | 0.978180078  | 0 | 11 |
| GO:0070915 | 1                | 0.991955896  | 0 | 4  |
| GO:0070922 | 1                | 0.98011759   | 0 | 1  |
| GO:0070925 | 1                | 0.98071271   | 0 | 6  |
| GO:0070926 | 1                | 0.9980062    | 0 | 1  |
| GO:0070931 | 1                | 0.98013436   | 0 | 1  |
| GO:0070932 | 1                | 0.962616609  | 0 | 19 |
| GO:0070933 | 1                | 0.978167678  | 0 | 11 |
| GO:0070934 | 1                | 0.990061614  | 0 | 5  |
| GO:0070935 | 1                | 0.9980062    | 0 | 1  |
| GO:0070936 | 1                | 0.995969164  | 0 | 2  |
| GO:0070937 | 1                | 0.997973115  | 0 | 1  |
| GO:0070938 | 1                | 0.98089682   | 0 | 6  |
| GO:0070939 | 1                | 0.995969164  | 0 | 2  |
| GO:0070940 | 1                | 0.997995025  | 0 | 1  |
| GO:0070941 | 1                | 0.994026903  | 0 | 3  |
| GO:0070942 | 1                | 0.994026903  | 0 | 3  |
| GO:0070943 | 1                | 0.994026903  | 0 | 3  |
| GO:0070944 | 1                | 0.997985802  | 0 | 6  |
| GO:0070945 | 1                | 0.982159127  | 0 | 9  |
| GO:0070946 | 1                | 0.997995025  | 0 | 1  |
| GO:0070947 | 1                | 0.998013437  | 0 | 1  |
| GO:0070948 | 1                | 0.997989906  | 0 | 1  |
| GO:0070949 | 1                | 0.996025193  | 0 | 2  |
| GO:0070950 | 1                | 0.94308321   | 0 | 29 |
| GO:0070951 | 1                | 0.907984378  | 0 | 1  |
| GO:0070952 | 1                | 0.997983919  | 0 | 1  |
| GO:0070953 | 1                | 0.997973778  | 0 | 1  |
| GO:0070954 | 1                | 0.993917522  | 0 | 3  |
| GO:0070955 | 1                | 0.972395559  | 0 | 14 |
| GO:0070956 | 1                | 0.95665538   | 0 | 22 |
| GO:0070957 | 1                | 0.989981623  | 0 | 5  |
| GO:0070958 | 1                | 0.970236259  | 0 | 15 |
| GO:0070959 | 1                | 0.99590592   | 0 | 2  |
| GO:0070960 | 1                | 0.993990793  | 0 | 3  |
| GO:0070961 | 1                | 0.995974445  | 0 | 2  |
| GO:0070962 | 1                | 0.99003079   | 0 | 5  |
| GO:0070963 | 1                | 0.995951561  | 0 | 2  |
| GO:0070964 | 1                | 0.982184013  | 0 | 9  |
| GO:0070965 | 1                | 0.995978131  | 0 | 2  |
| GO:0070966 | 1                | 0.993969159  | 0 | 3  |
| GO:0071004 | 1 | 0.968180017 | 0 | 16 |
| GO:0071005 | 1 | 0.903756724 | 0 | 50 |
| GO:0071006 | 1 | 0.976164104 | 0 | 12 |
| GO:0071007 | 1 | 0.941131178 | 0 | 30 |
| GO:0071008 | 1 | 0.993989899 | 0 | 3 |
| GO:0071011 | 1 | 0.962232358 | 0 | 19 |
| GO:0071013 | 1 | 0.843957664 | 0 | 84 |
| GO:0071014 | 1 | 0.980043313 | 0 | 10 |
| GO:0071020 | 1 | 0.997973628 | 0 | 1 |
| GO:0071021 | 1 | 0.99799308 | 0 | 1 |
| GO:0071025 | 1 | 0.981933632 | 0 | 9 |
| GO:0071028 | 1 | 0.997991083 | 0 | 1 |
| GO:0071033 | 1 | 0.997973698 | 0 | 1 |
| GO:0071034 | 1 | 0.991973183 | 0 | 4 |
| GO:0071035 | 1 | 0.987899606 | 0 | 6 |
| GO:0071036 | 1 | 0.997991083 | 0 | 1 |
| GO:0071037 | 1 | 0.997991083 | 0 | 1 |
| GO:0071038 | 1 | 0.987899606 | 0 | 6 |
| GO:0071039 | 1 | 0.997991083 | 0 | 1 |
| GO:0071040 | 1 | 0.997991083 | 0 | 1 |
| GO:0071042 | 1 | 0.9919391 | 0 | 4 |
| GO:0071044 | 1 | 0.98013181 | 0 | 10 |
| GO:0071045 | 1 | 0.997972474 | 0 | 1 |
| GO:0071046 | 1 | 0.995968689 | 0 | 2 |
| GO:0071049 | 1 | 0.995948959 | 0 | 2 |
| GO:0071050 | 1 | 0.997990564 | 0 | 1 |
| GO:0071051 | 1 | 0.985906761 | 0 | 7 |
| GO:0071062 | 1 | 0.99602635 | 0 | 2 |
| GO:0071065 | 1 | 0.995994427 | 0 | 2 |
| GO:0071071 | 1 | 0.995956398 | 0 | 2 |
| GO:0071072 | 1 | 0.996019725 | 0 | 2 |
| GO:0071073 | 1 | 0.991942533 | 0 | 4 |
| GO:0071074 | 1 | 0.993986841 | 0 | 3 |
| GO:0071076 | 1 | 0.989992208 | 0 | 5 |
| GO:0071079 | 1 | 0.995991815 | 0 | 2 |
| GO:0071083 | 1 | 0.998013384 | 0 | 1 |
| GO:0071086 | 1 | 0.993984826 | 0 | 3 |
| GO:0071089 | 1 | 0.937984851 | 0 | 32 |
| GO:0071092 | 1 | 0.996030731 | 0 | 2 |
| GO:0071100 | 1 | 0.998013437 | 0 | 1 |
| GO:0071103 | 1 | 0.997996656 | 0 | 1 |
| GO:0071104 | 1 | 0.998013437 | 0 | 1 |
| GO:0071107 | 1 | 0.99600562 | 0 | 2 |
| GO:0071140 | 1 | 0.984142081 | 0 | 8 |
| GO:0071144 | 1 | 0.98415749 | 0 | 8 |
| ID     | GO:0071156   | Count | p-value | q-value |
|--------|--------------|-------|---------|---------|
|        | 1            | 0.987981158 | 0       | 6       |
|        | 1            | 0.95854072  | 0       | 21      |
|        | 1            | 0.94519472  | 0       | 28      |
|        | 1            | 0.995498946 | 0       | 2       |
|        | 1            | 0.980111079 | 0       | 10      |
|        | 1            | 0.995957896 | 0       | 2       |
|        | 1            | 0.998004245 | 0       | 1       |
|        | 1            | 0.97981744  | 0       | 1       |
|        | 1            | 0.974221594 | 0       | 13      |
|        | 1            | 0.984003155 | 0       | 8       |
|        | 1            | 0.997990564 | 0       | 1       |
|        | 1            | 0.976188407 | 0       | 12      |
|        | 1            | 0.987978561 | 0       | 6       |
|        | 1            | 0.992074382 | 0       | 4       |
|        | 1            | 0.998013437 | 0       | 1       |
|        | 1            | 0.99598962  | 0       | 2       |
|        | 1            | 0.991885032 | 0       | 4       |
|        | 1            | 0.99392455  | 0       | 3       |
|        | 1            | 0.998013435 | 0       | 1       |
|        | 1            | 0.984067198 | 0       | 8       |
|        | 1            | 0.987997514 | 0       | 6       |
|        | 1            | 0.9899998   | 0       | 5       |
|        | 1            | 0.982029081 | 0       | 9       |
|        | 1            | 0.987906952 | 0       | 6       |
|        | 1            | 0.982070528 | 0       | 9       |
|        | 1            | 0.992001079 | 0       | 4       |
|        | 1            | 0.995959356 | 0       | 2       |
|        | 1            | 0.90084669  | 0       | 52      |
|        | 1            | 0.997961189 | 0       | 1       |
|        | 1            | 0.980190076 | 0       | 10      |
|        | 1            | 0.982105116 | 0       | 9       |
|        | 1            | 0.99607675  | 0       | 2       |
|        | 1            | 0.99045642  | 0       | 5       |
|        | 1            | 0.981964422 | 0       | 9       |
|        | 1            | 0.998003555 | 0       | 1       |
|        | 1            | 0.997962143 | 0       | 1       |
|        | 1            | 0.989967122 | 0       | 5       |
|        | 1            | 0.998013437 | 0       | 1       |
|        | 1            | 0.988065755 | 0       | 6       |
|        | 1            | 0.97818809  | 0       | 11      |
|        | 1            | 0.99800882  | 0       | 1       |
|        | 1            | 0.997986219 | 0       | 1       |
|        | 1            | 0.861604762 | 0       | 74      |
|        | 1            | 0.997949342 | 0       | 1       |
| ID    | GO        | Count | E-value | Error |
|-------|-----------|-------|---------|-------|
| 13581 | GO:0071267| 1     | 0.995969138 | 0     | 2     |
| 13582 | GO:0071275| 1     | 0.97981065  | 0     | 1     |
| 13583 | GO:0071276| 1     | 0.9334008   | 0     | 34    |
| 13584 | GO:0071279| 1     | 0.99168919  | 0     | 4     |
| 13585 | GO:0071280| 1     | 0.95447818  | 0     | 23    |
| 13586 | GO:0071281| 1     | 0.986012815 | 0     | 7     |
| 13587 | GO:0071283| 1     | 0.995944113 | 0     | 2     |
| 13588 | GO:0071284| 1     | 0.992045692 | 0     | 4     |
| 13589 | GO:0071285| 1     | 0.978123292 | 0     | 11    |
| 13590 | GO:0071287| 1     | 0.986107725 | 0     | 7     |
| 13591 | GO:0071288| 1     | 0.992010086 | 0     | 4     |
| 13592 | GO:0071289| 1     | 0.962209761 | 0     | 19    |
| 13593 | GO:0071290| 1     | 0.998011551 | 0     | 1     |
| 13594 | GO:0071291| 1     | 0.99800656  | 0     | 1     |
| 13595 | GO:0071292| 1     | 0.888127614 | 0     | 59    |
| 13596 | GO:0071293| 1     | 0.998013437 | 0     | 1     |
| 13597 | GO:0071294| 1     | 0.980106613 | 0     | 10    |
| 13598 | GO:0071295| 1     | 0.986011551 | 0     | 2     |
| 13599 | GO:0071296| 1     | 0.995988479 | 0     | 2     |
| 13600 | GO:0071297| 1     | 0.943322265 | 0     | 29    |
| 13601 | GO:0071298| 1     | 0.986039427 | 0     | 7     |
| 13602 | GO:0071299| 1     | 0.988070736 | 0     | 6     |
| 13603 | GO:0071300| 1     | 0.994008946 | 0     | 3     |
| 13604 | GO:0071301| 1     | 0.987946487 | 0     | 6     |
| 13605 | GO:0071302| 1     | 0.908321731 | 0     | 48    |
| 13606 | GO:0071303| 1     | 0.988114711 | 0     | 6     |
| 13607 | GO:0071304| 1     | 0.994022914 | 0     | 3     |
| 13608 | GO:0071305| 1     | 0.998012893 | 0     | 1     |
| 13609 | GO:0071306| 1     | 0.99168919  | 0     | 4     |
| 13610 | GO:0071307| 1     | 0.900813728 | 0     | 52    |
| 13611 | GO:0071308| 1     | 0.941428833 | 0     | 30    |
| 13612 | GO:0071309| 1     | 0.986027288 | 0     | 7     |
| 13613 | GO:0071310| 1     | 0.995491821 | 0     | 2     |
| 13614 | GO:0071311| 1     | 0.998012334 | 0     | 1     |
| 13615 | GO:0071312| 1     | 0.996025739 | 0     | 2     |
| 13616 | GO:0071313| 1     | 0.997994528 | 0     | 1     |
| 13617 | GO:0071314| 1     | 0.95667345  | 0     | 22    |
| 13618 | GO:0071315| 1     | 0.968314688 | 0     | 16    |
| 13619 | GO:0071316| 1     | 0.994035507 | 0     | 3     |
| 13620 | GO:0071317| 1     | 0.972353813 | 0     | 14    |
| 13621 | GO:0071318| 1     | 0.886367768 | 0     | 60    |
| 13622 | GO:0071319| 1     | 0.913617096 | 0     | 45    |
| 13623 | GO:0071320| 1     | 0.988036013 | 0     | 6     |
| 13624 | GO:0071321| 1     | 0.984095174 | 0     | 8     |
| 13625 | GO:0071322| 1     | 0.99598451  | 0     | 2     |
| ID    | GO:0071374 | 1 | 0.986051401 | 0 | 7 |
|-------|------------|---|--------------|---|---|
| ID    | GO:0071375 | 1 | 0.964346043  | 0 | 18|
| ID    | GO:0071376 | 1 | 0.994015239  | 0 | 3 |
| ID    | GO:0071377 | 1 | 0.960699047  | 0 | 20|
| ID    | GO:0071378 | 1 | 0.99577696   | 0 | 2 |
| ID    | GO:0071379 | 1 | 0.993966238  | 0 | 3 |
| ID    | GO:0071380 | 1 | 0.966490528  | 0 | 17|
| ID    | GO:0071381 | 1 | 0.974308283  | 0 | 13|
| ID    | GO:0071382 | 1 | 0.997964698  | 0 | 1 |
| ID    | GO:0071383 | 1 | 0.962537804  | 0 | 19|
| ID    | GO:0071384 | 1 | 0.996030731  | 0 | 2 |
| ID    | GO:0071385 | 1 | 0.995974741  | 0 | 2 |
| ID    | GO:0071386 | 1 | 0.970378379  | 0 | 15|
| ID    | GO:0071387 | 1 | 0.941522304  | 0 | 30|
| ID    | GO:0071388 | 1 | 0.996025384  | 0 | 2 |
| ID    | GO:0071389 | 1 | 0.982089847  | 0 | 9 |
| ID    | GO:0071390 | 1 | 0.991890451  | 0 | 4 |
| ID    | GO:0071391 | 1 | 0.98994511   | 0 | 5 |
| ID    | GO:0071392 | 1 | 0.968469631  | 0 | 16|
| ID    | GO:0071393 | 1 | 0.958753608  | 0 | 21|
| ID    | GO:0071394 | 1 | 0.993968648  | 0 | 3 |
| ID    | GO:0071395 | 1 | 0.997983307  | 0 | 1 |
| ID    | GO:0071396 | 1 | 0.996000622  | 0 | 2 |
| ID    | GO:0071397 | 1 | 0.968375236  | 0 | 16|
| ID    | GO:0071398 | 1 | 0.991987336  | 0 | 4 |
| ID    | GO:0071399 | 1 | 0.995974394  | 0 | 2 |
| ID    | GO:0071400 | 1 | 0.993964393  | 0 | 3 |
| ID    | GO:0071401 | 1 | 0.995946909  | 0 | 2 |
| ID    | GO:0071402 | 1 | 0.988106487  | 0 | 6 |
| ID    | GO:0071403 | 1 | 0.984106432  | 0 | 8 |
| ID    | GO:0071404 | 1 | 0.986001323  | 0 | 7 |
| ID    | GO:0071405 | 1 | 0.991950994  | 0 | 4 |
| ID    | GO:0071406 | 1 | 0.997990564  | 0 | 1 |
| ID    | GO:0071407 | 1 | 0.972287746  | 0 | 14|
| ID    | GO:0071408 | 1 | 0.98604989   | 0 | 7 |
| ID    | GO:0071409 | 1 | 0.997990564  | 0 | 1 |
| ID    | GO:0071410 | 1 | 0.998005942  | 0 | 1 |
| ID    | GO:0071411 | 1 | 0.991989607  | 0 | 4 |
| ID    | GO:0071412 | 1 | 0.988071499  | 0 | 6 |
| ID    | GO:0071413 | 1 | 0.997958586  | 0 | 1 |
| ID    | GO:0071414 | 1 | 0.99593059   | 0 | 2 |
| ID    | GO:0071415 | 1 | 0.994011104  | 0 | 3 |
| ID    | GO:0071416 | 1 | 0.998001347  | 0 | 1 |
| ID    | GO:0071417 | 1 | 0.986057696  | 0 | 7 |
| ID   | Term             | Value | p-value | q-value | Count |
|------|------------------|-------|---------|---------|-------|
| 13682 | GO:0071456       | 1     | 0.798199021 | 0      | 112   |
| 13683 | GO:0071458       | 1     | 0.990011614  | 0      | 5     |
| 13684 | GO:0071459       | 1     | 0.986052442  | 0      | 7     |
| 13685 | GO:0071460       | 1     | 0.995933787  | 0      | 2     |
| 13686 | GO:0071461       | 1     | 0.991969149  | 0      | 4     |
| 13687 | GO:0071464       | 1     | 0.994013722  | 0      | 3     |
| 13688 | GO:0071466       | 1     | 0.987973835  | 0      | 6     |
| 13689 | GO:0071467       | 1     | 0.985953001  | 0      | 7     |
| 13690 | GO:0071468       | 1     | 0.984095834  | 0      | 8     |
| 13691 | GO:0071470       | 1     | 0.982137216  | 0      | 9     |
| 13692 | GO:0071471       | 1     | 0.998011162  | 0      | 1     |
| 13693 | GO:0071472       | 1     | 0.993995078  | 0      | 3     |
| 13694 | GO:0071474       | 1     | 0.986074036  | 0      | 7     |
| 13695 | GO:0071475       | 1     | 0.993961816  | 0      | 3     |
| 13696 | GO:0071476       | 1     | 0.984079902  | 0      | 8     |
| 13697 | GO:0071477       | 1     | 0.996014095  | 0      | 2     |
| 13698 | GO:0071478       | 1     | 0.993974207  | 0      | 3     |
| 13699 | GO:0071479       | 1     | 0.93196246   | 0      | 35    |
| 13700 | GO:0071480       | 1     | 0.941428046  | 0      | 30    |
| 13701 | GO:0071481       | 1     | 0.978204454  | 0      | 11    |
| 13702 | GO:0071482       | 1     | 0.984048469  | 0      | 8     |
| 13703 | GO:0071486       | 1     | 0.998013267  | 0      | 1     |
| 13704 | GO:0071492       | 1     | 0.980044868  | 0      | 10    |
| 13705 | GO:0071493       | 1     | 0.983968022  | 0      | 8     |
| 13706 | GO:0071494       | 1     | 0.987989826  | 0      | 6     |
| 13707 | GO:0071498       | 1     | 0.974224607  | 0      | 13    |
| 13708 | GO:0071499       | 1     | 0.984005012  | 0      | 8     |
| 13709 | GO:0071500       | 1     | 0.994019251  | 0      | 3     |
| 13710 | GO:0071501       | 1     | 0.998012924  | 0      | 1     |
| 13711 | GO:0071502       | 1     | 0.995995053  | 0      | 2     |
| 13712 | GO:0071503       | 1     | 0.997999867  | 0      | 1     |
| 13713 | GO:0071504       | 1     | 0.990056492  | 0      | 5     |
| 13714 | GO:0071506       | 1     | 0.995992831  | 0      | 2     |
| 13715 | GO:0071513       | 1     | 0.997982179  | 0      | 1     |
| 13716 | GO:0071514       | 1     | 0.995985989  | 0      | 2     |
| 13717 | GO:0071517       | 1     | 0.998013437  | 0      | 1     |
| 13718 | GO:0071526       | 1     | 0.930633943  | 0      | 36    |
| 13719 | GO:0071528       | 1     | 0.998006394  | 0      | 1     |
| 13720 | GO:0071529       | 1     | 0.997987919  | 0      | 1     |
| 13721 | GO:0071532       | 1     | 0.992031467  | 0      | 4     |
| 13722 | GO:0071535       | 1     | 0.991992408  | 0      | 4     |
| 13723 | GO:0071539       | 1     | 0.958792206  | 0      | 21    |
| 13724 | GO:0071540       | 1     | 0.995987387  | 0      | 2     |
| 13725 | GO:0071541       | 1     | 0.985935145  | 0      | 7     |
| 13726 | GO:0071542       | 1     | 0.962493808  | 0      | 19    |
| ID    | Ontology ID | Value | Guess 1 | Guess 2 |
|-------|-------------|-------|---------|---------|
| 13727 | GO:0071543  | 1.0   | 0.98997282 | 0       | 5       |
| 13728 | GO:0071544  | 1.0   | 0.997967045 | 0       | 1       |
| 13729 | GO:0071546  | 1.0   | 0.986072177 | 0       | 7       |
| 13730 | GO:0071547  | 1.0   | 0.990002801 | 0       | 5       |
| 13731 | GO:0071548  | 1.0   | 0.982081858 | 0       | 9       |
| 13732 | GO:0071549  | 1.0   | 0.949026452 | 0       | 26      |
| 13733 | GO:0071550  | 1.0   | 0.983989889 | 0       | 8       |
| 13734 | GO:0071556  | 1.0   | 0.950602218 | 0       | 25      |
| 13735 | GO:0071557  | 1.0   | 0.990082313 | 0       | 5       |
| 13736 | GO:0071558  | 1.0   | 0.990082313 | 0       | 5       |
| 13737 | GO:0071559  | 1.0   | 0.980192431 | 0       | 10      |
| 13738 | GO:0071560  | 1.0   | 0.897310428 | 0       | 54      |
| 13739 | GO:0071561  | 1.0   | 0.998012984 | 0       | 1       |
| 13740 | GO:0071564  | 1.0   | 0.976206045 | 0       | 12      |
| 13741 | GO:0071565  | 1.0   | 0.972329561 | 0       | 14      |
| 13742 | GO:0071566  | 1.0   | 0.997993574 | 0       | 1       |
| 13743 | GO:0071567  | 1.0   | 0.997984639 | 0       | 1       |
| 13744 | GO:0071568  | 1.0   | 0.995957246 | 0       | 2       |
| 13745 | GO:0071569  | 1.0   | 0.9879367   | 0       | 6       |
| 13746 | GO:0071575  | 1.0   | 0.998003063 | 0       | 1       |
| 13747 | GO:0071577  | 1.0   | 0.960558049 | 0       | 20      |
| 13748 | GO:0071578  | 1.0   | 0.988031926 | 0       | 6       |
| 13749 | GO:0071579  | 1.0   | 0.99799209  | 0       | 1       |
| 13750 | GO:0071584  | 1.0   | 0.997978852 | 0       | 1       |
| 13751 | GO:0071585  | 1.0   | 0.997978852 | 0       | 1       |
| 13752 | GO:0071586  | 1.0   | 0.993949571 | 0       | 3       |
| 13753 | GO:0071593  | 1.0   | 0.993968033 | 0       | 3       |
| 13754 | GO:0071595  | 1.0   | 0.995985075 | 0       | 2       |
| 13755 | GO:0071596  | 1.0   | 0.994051737 | 0       | 3       |
| 13756 | GO:0071598  | 1.0   | 0.991980347 | 0       | 4       |
| 13757 | GO:0071599  | 1.0   | 0.986112623 | 0       | 7       |
| 13758 | GO:0071600  | 1.0   | 0.998006866 | 0       | 1       |
| 13759 | GO:0071602  | 1.0   | 0.998010588 | 0       | 1       |
| 13760 | GO:0071603  | 1.0   | 0.992024905 | 0       | 4       |
| 13761 | GO:0071604  | 1.0   | 0.99602516  | 0       | 2       |
| 13762 | GO:0071614  | 1.0   | 0.997976246 | 0       | 1       |
| 13763 | GO:0071617  | 1.0   | 0.991983409 | 0       | 4       |
| 13764 | GO:0071621  | 1.0   | 0.99596269  | 0       | 2       |
| 13765 | GO:0071622  | 1.0   | 0.997978345 | 0       | 1       |
| 13766 | GO:0071624  | 1.0   | 0.995913963 | 0       | 2       |
| 13767 | GO:0071625  | 1.0   | 0.972455675 | 0       | 14      |
| 13768 | GO:0071629  | 1.0   | 0.997972474 | 0       | 1       |
| 13769 | GO:0071630  | 1.0   | 0.996030731 | 0       | 2       |
| 13770 | GO:0071633  | 1.0   | 0.993976586 | 0       | 3       |
| 13771 | GO:0071635  | 1.0   | 0.994005385 | 0       | 3       |
|     | GO:0071636 |    |     | 0.982104252 | 0 | 9 |
|-----|------------|----|-----|-------------|---|---|
| 13772| GO:0071638 | 1  | 0.989967233  | 0 | 5 |
| 13773| GO:0071640 | 1  | 0.997961288  | 0 | 1 |
| 13775| GO:0071641 | 1  | 0.994000359  | 0 | 3 |
| 13776| GO:0071642 | 1  | 0.995995864  | 0 | 2 |
| 13777| GO:0071644 | 1  | 0.997978287  | 0 | 1 |
| 13778| GO:0071651 | 1  | 0.988015964  | 0 | 6 |
| 13780| GO:0071654 | 1  | 0.997986797  | 0 | 1 |
| 13782| GO:0071656 | 1  | 0.997983824  | 0 | 1 |
| 13783| GO:0071657 | 1  | 0.991964481  | 0 | 4 |
| 13785| GO:0071660 | 1  | 0.998013437  | 0 | 1 |
| 13786| GO:0071663 | 1  | 0.99794489   | 0 | 1 |
| 13787| GO:0071664 | 1  | 0.998007407  | 0 | 1 |
| 13788| GO:0071665 | 1  | 0.997999867  | 0 | 1 |
| 13789| GO:0071670 | 1  | 0.996013439  | 0 | 2 |
| 13790| GO:0071672 | 1  | 0.993961377  | 0 | 3 |
| 13791| GO:0071673 | 1  | 0.993973793  | 0 | 3 |
| 13792| GO:0071674 | 1  | 0.997968117  | 0 | 1 |
| 13793| GO:0071676 | 1  | 0.998012848  | 0 | 1 |
| 13794| GO:0071677 | 1  | 0.993934896  | 0 | 3 |
| 13795| GO:0071678 | 1  | 0.998013437  | 0 | 1 |
| 13796| GO:0071679 | 1  | 0.976280883  | 0 | 12|
| 13797| GO:0071681 | 1  | 0.99007035   | 0 | 5 |
| 13798| GO:0071682 | 1  | 0.966147597  | 0 | 17|
| 13799| GO:0071691 | 1  | 0.994051836  | 0 | 3 |
| 13800| GO:0071701 | 1  | 0.998012544  | 0 | 1 |
| 13801| GO:0071702 | 1  | 0.987996057  | 0 | 6 |
| 13802| GO:0071704 | 1  | 0.990015092  | 0 | 5 |
| 13803| GO:0071705 | 1  | 0.994009224  | 0 | 3 |
| 13804| GO:0071707 | 1  | 0.995957565  | 0 | 2 |
| 13805| GO:0071709 | 1  | 0.992023053  | 0 | 4 |
| 13806| GO:0071711 | 1  | 0.972352529  | 0 | 14|
| 13807| GO:0071712 | 1  | 0.974184206  | 0 | 13|
| 13808| GO:0071714 | 1  | 0.998002231  | 0 | 1 |
| 13809| GO:0071716 | 1  | 0.986138878  | 0 | 7 |
| 13810| GO:0071718 | 1  | 0.998008003  | 0 | 1 |
| 13811| GO:0071723 | 1  | 0.990021639  | 0 | 5 |
| 13812| GO:0071726 | 1  | 0.991988622  | 0 | 4 |
| 13813| GO:0071727 | 1  | 0.993975652  | 0 | 3 |
| 13814| GO:0071731 | 1  | 0.991922974  | 0 | 4 |
| 13815| GO:0071732 | 1  | 0.970232374  | 0 | 15|
| 13816| GO:0071733 | 1  | 0.998013437  | 0 | 1 |
| 13817| GO:0071751 | 1  | 0.998009857  | 0 | 1 |
| 13818| GO:0071763 | 1  | 0.987992857  | 0 | 6 |
| 13819| GO:0071765 | 1  | 0.998009411  | 0 | 1 |
| ID   | GO:0071773 | 1 | 0.943585622 | 0 | 29 |
|------|------------|---|-------------|---|----|
| ID   | GO:0071774 | 1 | 0.986054483 | 0 | 7  |
| ID   | GO:0071782 | 1 | 0.966425865 | 0 | 17 |
| ID   | GO:0071786 | 1 | 0.978093922 | 0 | 11 |
| ID   | GO:0071787 | 1 | 0.991972918 | 0 | 4  |
| ID   | GO:0071788 | 1 | 0.977990564 | 0 | 1  |
| ID   | GO:0071795 | 1 | 0.977990564 | 0 | 1  |
| ID   | GO:0071796 | 1 | 0.995960503 | 0 | 2  |
| ID   | GO:0071797 | 1 | 0.99198205  | 0 | 4  |
| ID   | GO:0071799 | 1 | 0.991984894 | 0 | 4  |
| ID   | GO:0071800 | 1 | 0.992008728 | 0 | 4  |
| ID   | GO:0071801 | 1 | 0.993983238 | 0 | 3  |
| ID   | GO:0071802 | 1 | 0.98208246  | 0 | 9  |
| ID   | GO:0071803 | 1 | 0.791995845 | 0 | 116 |
| ID   | GO:0071804 | 1 | 0.93982633  | 0 | 8  |
| ID   | GO:0071805 | 1 | 0.995983436 | 0 | 2  |
| ID   | GO:0071806 | 1 | 0.987941959 | 0 | 6  |
| ID   | GO:0071807 | 1 | 0.964408502 | 0 | 18 |
| ID   | GO:0071808 | 1 | 0.989990503 | 0 | 5  |
| ID   | GO:0071809 | 1 | 0.99396609  | 0 | 3  |
| ID   | GO:0071810 | 1 | 0.995958664 | 0 | 2  |
| ID   | GO:0071811 | 1 | 0.997968974 | 0 | 1  |
| ID   | GO:0071812 | 1 | 0.989983471 | 0 | 5  |
| ID   | GO:0071813 | 1 | 0.997963771 | 0 | 1  |
| ID   | GO:0071814 | 1 | 0.997963771 | 0 | 1  |
| ID   | GO:0071815 | 1 | 0.976245972 | 0 | 12 |
| ID   | GO:0071816 | 1 | 0.997999789 | 0 | 1  |
| ID   | GO:0071817 | 1 | 0.997986007 | 0 | 1  |
| ID   | GO:0071818 | 1 | 0.995966063 | 0 | 2  |
| ID   | GO:0071819 | 1 | 0.990011254 | 0 | 5  |
| ID   | GO:0071820 | 1 | 0.995983436 | 0 | 2  |
| ID   | GO:0071821 | 1 | 0.96636871  | 0 | 17 |
| ID   | GO:0071822 | 1 | 0.997964756 | 0 | 1  |
| ID   | GO:0071823 | 1 | 0.997979472 | 0 | 1  |
| ID   | GO:0071824 | 1 | 0.989986198 | 0 | 5  |
| ID   | GO:0071825 | 1 | 0.993988429 | 0 | 3  |
| ID   | GO:0071826 | 1 | 0.997983458 | 0 | 1  |
| ID   | GO:0071827 | 1 | 0.988049212 | 0 | 6  |
| ID   | GO:0071828 | 1 | 0.99600081  | 0 | 2  |
| ID   | GO:0071829 | 1 | 0.974302091 | 0 | 13 |
| ID   | GO:0071830 | 1 | 0.998013437 | 0 | 1  |
| ID   | GO:0071831 | 1 | 0.995991286 | 0 | 2  |
| ID   | GO:0071832 | 1 | 0.980124143 | 0 | 10 |
| ID   | GO:0071833 | 1 | 0.998009002 | 0 | 1  |
| ID   | GO:0071834 | 1 | 0.997981631 | 0 | 1  |
| GO:0071880 | 1 | 0.976153881 | 0 | 12 |
| GO:0071881 | 1 | 0.9980062 | 0 | 1 |
| GO:0071882 | 1 | 0.9980062 | 0 | 1 |
| GO:0071885 | 1 | 0.97990564 | 0 | 1 |
| GO:0071887 | 1 | 0.993963127 | 0 | 3 |
| GO:0071888 | 1 | 0.995966519 | 0 | 2 |
| GO:0071889 | 1 | 0.97793294 | 0 | 32 |
| GO:0071890 | 1 | 0.998013217 | 0 | 1 |
| GO:0071893 | 1 | 0.997974922 | 0 | 1 |
| GO:0071894 | 1 | 0.998000642 | 0 | 1 |
| GO:0071895 | 1 | 0.995982629 | 0 | 2 |
| GO:0071896 | 1 | 0.990067465 | 0 | 5 |
| GO:0071897 | 1 | 0.932120623 | 0 | 35 |
| GO:0071899 | 1 | 0.99398193 | 0 | 3 |
| GO:0071900 | 1 | 0.99201307 | 0 | 4 |
| GO:0071901 | 1 | 0.962563478 | 0 | 19 |
| GO:0071902 | 1 | 0.90614272 | 0 | 49 |
| GO:0071907 | 1 | 0.990024607 | 0 | 5 |
| GO:0071908 | 1 | 0.998013355 | 0 | 1 |
| GO:0071909 | 1 | 0.998013355 | 0 | 1 |
| GO:0071910 | 1 | 0.990071941 | 0 | 5 |
| GO:0071911 | 1 | 0.99801243 | 0 | 1 |
| GO:0071913 | 1 | 0.997971738 | 0 | 1 |
| GO:0071914 | 1 | 0.996016644 | 0 | 2 |
| GO:0071916 | 1 | 0.992003818 | 0 | 4 |
| GO:0071918 | 1 | 0.989972982 | 0 | 5 |
| GO:0071919 | 1 | 0.997999874 | 0 | 1 |
| GO:0071920 | 1 | 0.995973093 | 0 | 2 |
| GO:0071921 | 1 | 0.996007903 | 0 | 2 |
| GO:0071922 | 1 | 0.99199098 | 0 | 4 |
| GO:0071926 | 1 | 0.994003906 | 0 | 3 |
| GO:0071929 | 1 | 0.995990778 | 0 | 2 |
| GO:0071930 | 1 | 0.994027207 | 0 | 3 |
| GO:0071931 | 1 | 0.993964374 | 0 | 3 |
| GO:0071932 | 1 | 0.994026471 | 0 | 3 |
| GO:0071933 | 1 | 0.974268318 | 0 | 13 |
| GO:0071934 | 1 | 0.993992799 | 0 | 3 |
| GO:0071936 | 1 | 0.996030416 | 0 | 2 |
| GO:0071939 | 1 | 0.997992028 | 0 | 1 |
| GO:0071942 | 1 | 0.993895643 | 0 | 3 |
| GO:0071944 | 1 | 0.873842526 | 0 | 67 |
| GO:0071947 | 1 | 0.990084213 | 0 | 5 |
| GO:0071949 | 1 | 0.935883372 | 0 | 33 |
| GO:0071951 | 1 | 0.997990495 | 0 | 1 |
| GO:0071953 | 1 | 0.989971277 | 0 | 5 |
| Gene     | GOID     | Value | P-value | FDR-adjusted P-value |
|----------|----------|-------|---------|----------------------|
| 13910    | GO:0071954 | 1     | 0.997974207 | 0.001     |
| 13911    | GO:0071955 | 1     | 0.996029945  | 0.002     |
| 13912    | GO:0071962 | 1     | 0.993980906  | 0.003     |
| 13913    | GO:0071963 | 1     | 0.995989555  | 0.002     |
| 13914    | GO:0071966 | 1     | 0.997984457  | 0.001     |
| 13915    | GO:0071971 | 1     | 0.997989991  | 0.001     |
| 13916    | GO:0071976 | 1     | 0.978083422  | 0.011     |
| 13917    | GO:0071985 | 1     | 0.980052559  | 0.010     |
| 13918    | GO:0071986 | 1     | 0.992029995  | 0.004     |
| 13919    | GO:0071987 | 1     | 0.97611107   | 0.012     |
| 13920    | GO:0072003 | 1     | 0.998000906  | 0.001     |
| 13921    | GO:0072006 | 1     | 0.994051874  | 0.003     |
| 13922    | GO:0072010 | 1     | 0.994020155  | 0.003     |
| 13923    | GO:0072011 | 1     | 0.99601115   | 0.002     |
| 13924    | GO:0072012 | 1     | 0.99208212   | 0.004     |
| 13925    | GO:0072014 | 1     | 0.992013352  | 0.004     |
| 13926    | GO:0072015 | 1     | 0.982214286  | 0.009     |
| 13927    | GO:0072016 | 1     | 0.997988743  | 0.001     |
| 13928    | GO:0072017 | 1     | 0.994051874  | 0.003     |
| 13929    | GO:0072028 | 1     | 0.997981065  | 0.001     |
| 13930    | GO:0072033 | 1     | 0.99601115   | 0.002     |
| 13931    | GO:0072034 | 1     | 0.994020155  | 0.003     |
| 13932    | GO:0072038 | 1     | 0.99595425   | 0.002     |
| 13933    | GO:0072040 | 1     | 0.998007874  | 0.001     |
| 13934    | GO:0072044 | 1     | 0.994007787  | 0.003     |
| 13935    | GO:0072046 | 1     | 0.997969178  | 0.001     |
| 13936    | GO:0072047 | 1     | 0.997983585  | 0.001     |
| 13937    | GO:0072049 | 1     | 0.993930391  | 0.003     |
| 13938    | GO:0072050 | 1     | 0.991948462  | 0.004     |
| 13939    | GO:0072053 | 1     | 0.996011234  | 0.002     |
| 13940    | GO:0072054 | 1     | 0.996011234  | 0.002     |
| 13941    | GO:0072060 | 1     | 0.998006669  | 0.001     |
| 13942    | GO:0072061 | 1     | 0.993980009  | 0.003     |
| 13943    | GO:0072070 | 1     | 0.9960164    | 0.002     |
| 13944    | GO:0072073 | 1     | 0.994044064  | 0.003     |
| 13945    | GO:0072075 | 1     | 0.98803977   | 0.006     |
| 13946    | GO:0072076 | 1     | 0.997982868  | 0.001     |
| 13947    | GO:0072077 | 1     | 0.997983203  | 0.001     |
| 13948    | GO:0072078 | 1     | 0.997969178  | 0.001     |
| 13949    | GO:0072079 | 1     | 0.995978081  | 0.002     |
| 13950    | GO:0072080 | 1     | 0.997973451  | 0.001     |
| 13951    | GO:0072086 | 1     | 0.993951104  | 0.003     |
| 13952    | GO:0072089 | 1     | 0.982166987  | 0.009     |
| 13953    | GO:0072091 | 1     | 0.988013608  | 0.006     |
| 13954    | GO:0072092 | 1     | 0.994051628  | 0.003     |
| ID   | GO             | Value | P-value | MW | STD |
|------|----------------|-------|---------|----|-----|
| 14002| GO:0072192     | 0.997974922 | 0 | 1   |
| 14003| GO:0072193     | 0.993983031 | 0 | 3   |
| 14004| GO:0072197     | 0.990010079 | 0 | 5   |
| 14005| GO:0072198     | 0.997974922 | 0 | 1   |
| 14006| GO:0072200     | 0.997974922 | 0 | 1   |
| 14007| GO:0072201     | 0.98801691 | 0 | 6   |
| 14008| GO:0072202     | 0.998013255 | 0 | 1   |
| 14009| GO:0072203     | 0.996000747 | 0 | 2   |
| 14010| GO:0072205     | 0.982098244 | 0 | 9   |
| 14011| GO:0072207     | 0.994001446 | 0 | 3   |
| 14012| GO:0072208     | 0.995993707 | 0 | 2   |
| 14013| GO:0072210     | 0.994014599 | 0 | 3   |
| 14014| GO:0072213     | 0.997982868 | 0 | 1   |
| 14015| GO:0072214     | 0.998013004 | 0 | 1   |
| 14016| GO:0072218     | 0.996030299 | 0 | 2   |
| 14017| GO:0072219     | 0.998013004 | 0 | 1   |
| 14018| GO:0072221     | 0.995997368 | 0 | 2   |
| 14019| GO:0072224     | 0.996000375 | 0 | 2   |
| 14020| GO:0072229     | 0.997980886 | 0 | 1   |
| 14021| GO:0072234     | 0.997976774 | 0 | 1   |
| 14022| GO:0072235     | 0.998013004 | 0 | 1   |
| 14023| GO:0072236     | 0.998006669 | 0 | 1   |
| 14024| GO:0072237     | 0.998013437 | 0 | 1   |
| 14025| GO:0072239     | 0.997976774 | 0 | 1   |
| 14026| GO:0072249     | 0.998013437 | 0 | 1   |
| 14027| GO:0072254     | 0.997989991 | 0 | 1   |
| 14028| GO:0072255     | 0.9979925 | 0 | 1   |
| 14029| GO:0072259     | 0.997976774 | 0 | 1   |
| 14030| GO:0072262     | 0.998013436 | 0 | 1   |
| 14031| GO:0072267     | 0.997982868 | 0 | 1   |
| 14032| GO:0072268     | 0.99596363 | 0 | 2   |
| 14033| GO:0072272     | 0.997989387 | 0 | 1   |
| 14034| GO:0072273     | 0.998006585 | 0 | 1   |
| 14035| GO:0072274     | 0.998013437 | 0 | 1   |
| 14036| GO:0072275     | 0.998013436 | 0 | 1   |
| 14037| GO:0072277     | 0.99603073 | 0 | 2   |
| 14038| GO:0072278     | 0.994014592 | 0 | 3   |
| 14039| GO:0072282     | 0.993960324 | 0 | 3   |
| 14040| GO:0072283     | 0.997983203 | 0 | 1   |
| 14041| GO:0072284     | 0.99203922 | 0 | 4   |
| 14042| GO:0072285     | 0.998004776 | 0 | 1   |
| 14043| GO:0072286     | 0.997987203 | 0 | 1   |
| 14044| GO:0072287     | 0.998013437 | 0 | 1   |
| 14045| GO:0072289     | 0.994019815 | 0 | 3   |
| 14046| GO:0072300     | 0.998012663 | 0 | 1   |
| ID    | GO       | Value | P-value | q-value | Count |
|-------|----------|-------|---------|----------|-------|
| 14047 | GO:0072303 | 1     | 0.9979964 | 0.9979964 | 1     |
| 14048 | GO:0072305 | 1     | 0.99806243 | 0.99806243 | 1     |
| 14049 | GO:0072307 | 1     | 0.99091258 | 0.99091258 | 5     |
| 14051 | GO:0072318 | 1     | 0.994015743 | 0.994015743 | 3     |
| 14052 | GO:0072319 | 1     | 0.99781567 | 0.99781567 | 1     |
| 14053 | GO:0072320 | 1     | 0.992022105 | 0.992022105 | 4     |
| 14054 | GO:0072321 | 1     | 0.987928634 | 0.987928634 | 6     |
| 14055 | GO:0072331 | 1     | 0.995973895 | 0.995973895 | 2     |
| 14056 | GO:0072332 | 1     | 0.954715767 | 0.954715767 | 23    |
| 14057 | GO:0072334 | 1     | 0.991918498 | 0.991918498 | 4     |
| 14058 | GO:0072341 | 1     | 0.997981567 | 0.997981567 | 1     |
| 14059 | GO:0072344 | 1     | 0.987990902 | 0.987990902 | 6     |
| 14060 | GO:0072345 | 1     | 0.990032204 | 0.990032204 | 5     |
| 14061 | GO:0072347 | 1     | 0.998004621 | 0.998004621 | 1     |
| 14062 | GO:0072350 | 1     | 0.993959755 | 0.993959755 | 3     |
| 14063 | GO:0072354 | 1     | 0.995968189 | 0.995968189 | 2     |
| 14064 | GO:0072355 | 1     | 0.997973646 | 0.997973646 | 1     |
| 14065 | GO:0072356 | 1     | 0.998007827 | 0.998007827 | 1     |
| 14066 | GO:0072357 | 1     | 0.986096072 | 0.986096072 | 7     |
| 14067 | GO:0072359 | 1     | 0.970385353 | 0.970385353 | 15    |
| 14068 | GO:0072378 | 1     | 0.99390968 | 0.99390968 | 3     |
| 14069 | GO:0072380 | 1     | 0.996001124 | 0.996001124 | 2     |
| 14070 | GO:0072382 | 1     | 0.998013437 | 0.998013437 | 1     |
| 14071 | GO:0072383 | 1     | 0.988119603 | 0.988119603 | 6     |
| 14072 | GO:0072384 | 1     | 0.988022351 | 0.988022351 | 6     |
| 14073 | GO:0072385 | 1     | 0.992035579 | 0.992035579 | 4     |
| 14074 | GO:0072386 | 1     | 0.998013437 | 0.998013437 | 1     |
| 14075 | GO:0072389 | 1     | 0.998006243 | 0.998006243 | 1     |
| 14076 | GO:0072393 | 1     | 0.996018162 | 0.996018162 | 2     |
| 14077 | GO:0072394 | 1     | 0.997972608 | 0.997972608 | 1     |
| 14078 | GO:0072413 | 1     | 0.995994612 | 0.995994612 | 2     |
| 14079 | GO:0072421 | 1     | 0.997972608 | 0.997972608 | 1     |
| 14080 | GO:0072422 | 1     | 0.993963314 | 0.993963314 | 3     |
| 14081 | GO:0072423 | 1     | 0.996014102 | 0.996014102 | 2     |
| 14082 | GO:0072425 | 1     | 0.97817676 | 0.97817676 | 11    |
| 14083 | GO:0072428 | 1     | 0.997976383 | 0.997976383 | 1     |
| 14084 | GO:0072429 | 1     | 0.991974129 | 0.991974129 | 4     |
| 14085 | GO:0072431 | 1     | 0.998013437 | 0.998013437 | 1     |
| 14086 | GO:0072432 | 1     | 0.998013437 | 0.998013437 | 1     |
| 14087 | GO:0072434 | 1     | 0.998013437 | 0.998013437 | 1     |
| 14088 | GO:0072487 | 1     | 0.992013509 | 0.992013509 | 4     |
| 14089 | GO:0072488 | 1     | 0.985975108 | 0.985975108 | 7     |
| 14090 | GO:0072497 | 1     | 0.997968853 | 0.997968853 | 1     |
| 14091 | GO:0072498 | 1     | 0.987965945 | 0.987965945 | 6     |
| 14092 | GO:0072507 | 1     | 0.998013437 | 0.998013437 | 1     |
| GO:0072513 | 1 | 0.996000254 | 0 | 2 |
| GO:0072518 | 1 | 0.996030731 | 0 | 2 |
| GO:0072520 | 1 | 0.97621189 | 0 | 12 |
| GO:0072530 | 1 | 0.995993485 | 0 | 2 |
| GO:0072531 | 1 | 0.993991833 | 0 | 3 |
| GO:0072534 | 1 | 0.998013437 | 0 | 2 |
| GO:0072536 | 1 | 0.993980165 | 0 | 3 |
| GO:0072537 | 1 | 0.995992447 | 0 | 2 |
| GO:0072538 | 1 | 0.99200454 | 0 | 4 |
| GO:0072539 | 1 | 0.985009142 | 0 | 7 |
| GO:0072542 | 1 | 0.97621189 | 0 | 12 |
| GO:0072544 | 1 | 0.98005136 | 0 | 10 |
| GO:0072545 | 1 | 0.99997252 | 0 | 3 |
| GO:0072546 | 1 | 0.99600412 | 0 | 2 |
| GO:0072547 | 1 | 0.99997252 | 0 | 3 |
| GO:0072548 | 1 | 0.993991833 | 0 | 3 |
| GO:0072549 | 1 | 0.993980165 | 0 | 3 |
| GO:0072550 | 1 | 0.99600412 | 0 | 2 |
| GO:0072551 | 1 | 0.99997252 | 0 | 3 |
| GO:0072552 | 1 | 0.99600412 | 0 | 2 |
| GO:0072553 | 1 | 0.99600412 | 0 | 2 |
| GO:0072554 | 1 | 0.99600412 | 0 | 2 |
| GO:0072555 | 1 | 0.99600412 | 0 | 2 |
| GO:0072556 | 1 | 0.99600412 | 0 | 2 |
| GO          | Count | P-value | FDR  | q-value |
|-------------|-------|---------|------|---------|
| GO:0072663  | 1     | 0.998003224 | 0    | 1       |
| GO:0072666  | 1     | 0.998010813  | 0    | 1       |
| GO:0072669  | 1     | 0.983918223  | 0    | 8       |
| GO:0072672  | 1     | 0.99000792   | 0    | 5       |
| GO:0072673  | 1     | 0.988032417  | 0    | 6       |
| GO:0072674  | 1     | 0.993988759  | 0    | 3       |
| GO:0072675  | 1     | 0.990029132  | 0    | 5       |
| GO:0072676  | 1     | 0.99201388   | 0    | 4       |
| GO:0072678  | 1     | 0.986009156  | 0    | 7       |
| GO:0072679  | 1     | 0.995960566  | 0    | 2       |
| GO:0072683  | 1     | 0.993967215  | 0    | 3       |
| GO:0072684  | 1     | 0.998005669  | 0    | 1       |
| GO:0072686  | 1     | 0.794995365  | 0    | 114     |
| GO:0072687  | 1     | 0.974143098  | 0    | 13      |
| GO:0072697  | 1     | 0.995965412  | 0    | 2       |
| GO:0072703  | 1     | 0.998013429  | 0    | 1       |
| GO:0072707  | 1     | 0.997987709  | 0    | 1       |
| GO:0072708  | 1     | 0.995939323  | 0    | 2       |
| GO:0072709  | 1     | 0.993969939  | 0    | 3       |
| GO:0072710  | 1     | 0.997990564  | 0    | 1       |
| GO:0072711  | 1     | 0.978171497  | 0    | 11      |
| GO:0072715  | 1     | 0.997974172  | 0    | 1       |
| GO:0072716  | 1     | 0.997990564  | 0    | 1       |
| GO:0072717  | 1     | 0.993969507  | 0    | 3       |
| GO:0072718  | 1     | 0.994012343  | 0    | 3       |
| GO:0072719  | 1     | 0.988035055  | 0    | 6       |
| GO:0072720  | 1     | 0.997990564  | 0    | 1       |
| GO:0072721  | 1     | 0.997990564  | 0    | 1       |
| GO:0072734  | 1     | 0.989959969  | 0    | 5       |
| GO:0072738  | 1     | 0.995973077  | 0    | 2       |
| GO:0072739  | 1     | 0.997990564  | 0    | 1       |
| GO:0072740  | 1     | 0.997976824  | 0    | 1       |
| GO:0072749  | 1     | 0.997975371  | 0    | 1       |
| GO:0072750  | 1     | 0.995927874  | 0    | 2       |
| GO:0072752  | 1     | 0.996006689  | 0    | 2       |
| GO:0072755  | 1     | 0.998005013  | 0    | 1       |
| GO:0072757  | 1     | 0.992012213  | 0    | 4       |
| GO:0075044  | 1     | 0.990049175  | 0    | 5       |
| GO:0075506  | 1     | 0.995995716  | 0    | 2       |
| GO:0075521  | 1     | 0.997954136  | 0    | 1       |
| GO:0075522  | 1     | 0.978142356  | 0    | 11      |
| GO:0075523  | 1     | 0.997990564  | 0    | 1       |
| GO:0075525  | 1     | 0.989666767  | 0    | 5       |
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| GO Code   | ID     | Similarity Score | Count | Length |
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| GO:0075733 | 14187  | 0.904371606      | 0     | 50     |
| GO:0080008 | 14188  | 0.95305235       | 0     | 24     |
| GO:0080009 | 14189  | 0.970284853      | 0     | 15     |
| GO:0080019 | 14190  | 0.995997464      | 0     | 2      |
| GO:0080025 | 14191  | 0.951040258      | 0     | 25     |
| GO:0080030 | 14192  | 0.994003883      | 0     | 3      |
| GO:0080048 | 14193  | 0.997990564      | 0     | 1      |
| GO:0080058 | 14194  | 0.997967253      | 0     | 1      |
| GO:0080090 | 14195  | 0.99602372       | 0     | 2      |
| GO:0080101 | 14196  | 0.997960141      | 0     | 1      |
| GO:0080111 | 14197  | 0.964324964      | 0     | 18     |
| GO:0080121 | 14198  | 0.995983296      | 0     | 2      |
| GO:0080122 | 14199  | 0.995983296      | 0     | 2      |
| GO:0080129 | 14200  | 0.997962094      | 0     | 1      |
| GO:0080132 | 14201  | 0.997985482      | 0     | 1      |
| GO:0080135 | 14205  | 0.991976253      | 0     | 4      |
| GO:0080144 | 14203  | 0.997990564      | 0     | 1      |
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| GO:0080163 | 14206  | 0.997984954      | 0     | 1      |
| GO:0080164 | 14207  | 0.997990564      | 0     | 1      |
| GO:0080170 | 14208  | 0.99796877       | 0     | 1      |
| GO:0080184 | 14210  | 0.997983585      | 0     | 1      |
| GO:0085017 | 14211  | 0.998013437      | 0     | 1      |
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| GO:0085020 | 14213  | 0.981977351      | 0     | 9      |
| GO:0085029 | 14214  | 0.982084464      | 0     | 9      |
| GO:0085032 | 14215  | 0.997998569      | 0     | 1      |
| GO:0086001 | 14216  | 0.994047999      | 0     | 3      |
| GO:0086002 | 14217  | 0.97243901       | 0     | 14     |
| GO:0086003 | 14218  | 0.992038533      | 0     | 4      |
| GO:0086004 | 14219  | 0.980232689      | 0     | 10     |
| GO:0086005 | 14220  | 0.970436935      | 0     | 15     |
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| GO:0086007 | 14222  | 0.992065385      | 0     | 4      |
| GO:0086008 | 14223  | 0.986052561      | 0     | 7      |
| GO:0086009 | 14224  | 0.980113046      | 0     | 10     |
| GO:0086010 | 14225  | 0.974420147      | 0     | 13     |
| GO:0086011 | 14226  | 0.984084854      | 0     | 8      |
| GO:0086012 | 14227  | 0.976351371      | 0     | 12     |
| GO:0086013 | 14228  | 0.980104154      | 0     | 10     |
| GO:0086014 | 14229  | 0.984155556      | 0     | 8      |
| GO:0086015 | 14230  | 0.99207686       | 0     | 4      |
| GO:0086016 | 14231  | 0.996028135      | 0     | 2      |
| GO:0086019 | 1 | 0.996021711 | 0 | 2 |
| GO:0086020 | 1 | 0.996014185 | 0 | 2 |
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| GO:0086023 | 1 | 0.998013437 | 0 | 1 |
| GO:0086024 | 1 | 0.998013437 | 0 | 1 |
| GO:0086029 | 1 | 0.996007137 | 0 | 2 |
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| GO:0086038 | 1 | 0.997990564 | 0 | 1 |
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| GO:0086044 | 1 | 0.99999157  | 0 | 3 |
| GO:0086045 | 1 | 0.994039366 | 0 | 3 |
| GO:0086046 | 1 | 0.99204231  | 0 | 4 |
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| GO:0086048 | 1 | 0.99204231  | 0 | 4 |
| GO:0086049 | 1 | 0.99204231  | 0 | 4 |
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| GO:0086057 | 1 | 0.998013437 | 0 | 1 |
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| GO:0086060 | 1 | 0.998013437 | 0 | 1 |
| GO:0086061 | 1 | 0.998013437 | 0 | 1 |
| GO:0086062 | 1 | 0.995983102 | 0 | 2 |
| GO:0086063 | 1 | 0.998013437 | 0 | 1 |
| GO:0086064 | 1 | 0.97234938  | 0 | 14 |
| GO:0086066 | 1 | 0.998013437 | 0 | 1 |
| GO:0086067 | 1 | 0.99603534  | 0 | 2 |
| GO:0086069 | 1 | 0.997896746 | 0 | 1 |
| GO:0086070 | 1 | 0.998013437 | 0 | 1 |
| GO:0086072 | 1 | 0.997896188 | 0 | 1 |
| GO:0086073 | 1 | 0.988106254 | 0 | 6 |
| GO:0086075 | 1 | 0.995997075 | 0 | 2 |
| GO:0086076 | 1 | 0.997996859 | 0 | 1 |
| GO:0086077 | 1 | 0.994029837 | 0 | 3 |
| GO:0086078 | 1 | 0.997996859 | 0 | 1 |
| GO:0086079 | 1 | 0.997996859 | 0 | 1 |
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| GO:0086082 | 1 | 0.997896188 | 0 | 1 |
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| GO:0086089 | 1 | 0.993993691 | 0 | 3 |
| ID     | GO:0086091 | P-value | Rank |
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| 14277  | 0.930457701| 36      |
| 14278  | 0.998011551| 1      |
| 14279  | 0.966001288| 2      |
| 14280  | 0.986096538| 7      |
| 14281  | 0.994027611| 3      |
| 14282  | 0.989911797| 5      |
| 14283  | 0.99799116  | 1      |
| 14284  | 0.991963938| 4      |
| 14285  | 0.982228376| 9      |
| 14286  | 0.976321596| 12     |
| 14287  | 0.983956683| 8      |
| 14288  | 0.986072094| 7      |
| 14289  | 0.991987285| 4      |
| 14290  | 0.958461913| 21     |
| 14291  | 0.994021846| 3      |
| 14292  | 0.997995361| 1      |
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| 14295  | 0.997986766| 1      |
| 14296  | 0.997971738| 1      |
| 14297  | 0.992055997| 4      |
| 14298  | 0.980112079| 10     |
| 14299  | 0.992052853| 4      |
| 14300  | 0.994011543| 3      |
| 14301  | 0.991979287| 4      |
| 14302  | 0.997971738| 1      |
| 14303  | 0.995944134| 2      |
| 14304  | 0.994028151| 3      |
| 14305  | 0.958610703| 21     |
| 14306  | 0.970356051| 15     |
| 14307  | 0.984136642| 8      |
| 14308  | 0.997968918| 1      |
| 14309  | 0.998011379| 1      |
| 14310  | 0.994037541| 3      |
| 14311  | 0.996007881| 2      |
| 14312  | 0.998013437| 1      |
| 14313  | 0.997995931| 1      |
| 14314  | 0.996019352| 2      |
| 14315  | 0.99603019 | 2      |
| 14316  | 0.997968004| 1      |
| 14317  | 0.991953273| 4      |
| 14318  | 0.996019079| 2      |
| 14319  | 0.982043188| 9      |
| 14320  | 0.998013437| 1      |
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| 14322  | 0.713562849| 167    |
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| 14325  | GO:0090096     | 1     |            |       | 0.997984457 |
| 14326  | GO:0090101     | 1     |            |       | 0.997986797 |
| 14327  | GO:0090102     | 1     |            |       | 0.954976442 |
| 14328  | GO:0090103     | 1     |            |       | 0.962567426 |
| 14329  | GO:0090107     | 1     |            |       | 0.99584542  |
| 14330  | GO:0090108     | 1     |            |       | 0.995997135 |
| 14331  | GO:0090110     | 1     |            |       | 0.972408818 |
| 14332  | GO:0090114     | 1     |            |       | 0.990031723 |
| 14333  | GO:0090116     | 1     |            |       | 0.992044266 |
| 14334  | GO:0090117     | 1     |            |       | 0.997941444 |
| 14335  | GO:0090118     | 1     |            |       | 0.994031754 |
| 14336  | GO:0090119     | 1     |            |       | 0.996021086 |
| 14337  | GO:0090122     | 1     |            |       | 0.997978869 |
| 14338  | GO:0090126     | 1     |            |       | 0.998013437 |
| 14339  | GO:0090128     | 1     |            |       | 0.994008874 |
| 14340  | GO:0090129     | 1     |            |       | 0.984099957 |
| 14341  | GO:0090131     | 1     |            |       | 0.993919908 |
| 14342  | GO:0090132     | 1     |            |       | 0.998013236 |
| 14343  | GO:0090133     | 1     |            |       | 0.997990564 |
| 14344  | GO:0090134     | 1     |            |       | 0.995955728 |
| 14345  | GO:0090135     | 1     |            |       | 0.993983762 |
| 14346  | GO:0090136     | 1     |            |       | 0.974344621 |
| 14347  | GO:0090138     | 1     |            |       | 0.998003887 |
| 14348  | GO:0090140     | 1     |            |       | 0.982169887 |
| 14349  | GO:0090141     | 1     |            |       | 0.966394666 |
| 14350  | GO:0090144     | 1     |            |       | 0.99795383 |
| 14351  | GO:0090148     | 1     |            |       | 0.990057081 |
| 14352  | GO:0090149     | 1     |            |       | 0.995999233 |
| 14353  | GO:0090150     | 1     |            |       | 0.974230455 |
| 14354  | GO:0090151     | 1     |            |       | 0.995996346 |
| 14355  | GO:0090152     | 1     |            |       | 0.998007629 |
| 14356  | GO:0090153     | 1     |            |       | 0.997980382 |
| 14357  | GO:0090155     | 1     |            |       | 0.993972719 |
| 14358  | GO:0090156     | 1     |            |       | 0.989966555 |
| 14359  | GO:0090158     | 1     |            |       | 0.989951954 |
| 14360  | GO:0090160     | 1     |            |       | 0.978170437 |
| 14361  | GO:0090161     | 1     |            |       | 0.974371173 |
| 14362  | GO:0090162     | 1     |            |       | 0.976289394 |
| 14363  | GO:0090164     | 1     |            |       | 0.996006689 |
| 14364  | GO:0090166     | 1     |            |       | 0.986004292 |
| 14365  | GO:0090168     | 1     |            |       | 0.991978615 |
| 14366  | GO:0090169     | 1     |            |       | 0.996010891 |
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| GO   | Description | Count | Similarity | P-value | Freq |
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| GO:0090175 | 1 | 0.990023106 | 0 | 5 |
| GO:0090176 | 1 | 0.994022789 | 0 | 3 |
| GO:0090177 | 1 | 0.97964525 | 0 | 1 |
| GO:0090178 | 1 | 0.998011696 | 0 | 1 |
| GO:0090179 | 1 | 0.980169304 | 0 | 10 |
| GO:0090181 | 1 | 0.976103494 | 0 | 12 |
| GO:0090184 | 1 | 0.991983335 | 0 | 4 |
| GO:0090187 | 1 | 0.997979776 | 0 | 1 |
| GO:0090188 | 1 | 0.992015721 | 0 | 4 |
| GO:0090189 | 1 | 0.997981065 | 0 | 1 |
| GO:0090190 | 1 | 0.966394285 | 0 | 17 |
| GO:0090191 | 1 | 0.995958614 | 0 | 2 |
| GO:0090193 | 1 | 0.99797623 | 0 | 1 |
| GO:0090194 | 1 | 0.997974922 | 0 | 1 |
| GO:0090199 | 1 | 0.99797433 | 0 | 1 |
| GO:0090201 | 1 | 0.94491603 | 0 | 28 |
| GO:0090204 | 1 | 0.962410966 | 0 | 19 |
| GO:0090207 | 1 | 0.995975386 | 0 | 2 |
| GO:0090209 | 1 | 0.995976236 | 0 | 2 |
| GO:0090210 | 1 | 0.991951979 | 0 | 4 |
| GO:0090212 | 1 | 0.997963771 | 0 | 1 |
| GO:0090214 | 1 | 0.996005256 | 0 | 2 |
| GO:0090218 | 1 | 0.998008787 | 0 | 1 |
| GO:0090219 | 1 | 0.998003237 | 0 | 1 |
| GO:0090217 | 1 | 0.994027222 | 0 | 3 |
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| GO:0090222 | 1 | 0.996030731 | 0 | 2 |
| GO:0090226 | 1 | 0.997956837 | 0 | 1 |
| GO:0090229 | 1 | 0.99801236 | 0 | 1 |
| GO:0090234 | 1 | 0.994009289 | 0 | 3 |
| GO:0090235 | 1 | 0.990074465 | 0 | 5 |
| GO:0090237 | 1 | 0.998012951 | 0 | 1 |
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| GO:0090245 | 1 | 0.994031827 | 0 | 3 |
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|   | GO:0090259 |   | 0.995992287 |   | 0 | 2 |
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|   | GO:0090261 |   | 0.991912432 |   | 0 | 4 |
|   | GO:0090262 |   | 0.750823513 |   | 0 | 142 |
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|   | GO:0090264 |   | 0.978988458 |   | 0 | 6 |
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|   | GO:0090267 |   | 0.993921904 |   | 0 | 3 |
|   | GO:0090268 |   | 0.997990564 |   | 0 | 1 |
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|   | GO:0090272 |   | 0.974218298 |   | 0 | 13 |
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|   | GO:0090289 |   | 0.997968004 |   | 0 | 1 |
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|   | GO:0090296 |   | 0.987970547 |   | 0 | 6 |
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| GO:0090330 | 1 | 0.990018138 | 0 | 5 |
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| GO:0090346 | 1 | 0.997986766 | 0 | 1 |
| GO:0090349 | 1 | 0.997995444 | 0 | 2 |
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| GO:0090362 | 1 | 0.987968603 | 0 | 6 |
| GO:0090367 | 1 | 0.982075053 | 0 | 9 |
| GO:0090370 | 1 | 0.94877127 | 0 | 26 |
| GO:0090371 | 1 | 0.997977002 | 0 | 1 |
| GO:0090376 | 1 | 0.982022712 | 0 | 9 |
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| GO:0090378 | 1 | 0.998013437 | 0 | 1 |
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| GO:0090384 | 1 | 0.956700967 | 0 | 22 |
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| GO:0090410 | 1 | 0.997983299 | 0 | 1 |
| GO:0090416 | 1 | 0.997987639 | 0 | 1 |
| GO:0090420 | 1 | 0.997988914 | 0 | 1 |
| GO:0090425 | 1 | 0.99799543 | 0 | 1 |
| GO:0090433 | 1 | 0.997993682 | 0 | 1 |
| GO:0090434 | 1 | 0.994013496 | 0 | 3 |
| GO:0090435 | 1 | 0.990014535 | 0 | 5 |
| GO:0090443 | 1 | 0.991997152 | 0 | 4 |
| GO:0090446 | 1 | 0.990065948 | 0 | 5 |
| GO:0090447 | 1 | 0.998009214 | 0 | 1 |
| GO:0090481 | 1 | 0.98995265 | 0 | 5 |
| GO:0090482 | 1 | 0.992022789 | 0 | 4 |
| GO:0090486 | 1 | 0.997990564 | 0 | 1 |
| GO:0090489 | 1 | 0.991982794 | 0 | 4 |
| GO:0090494 | 1 | 0.996010764 | 0 | 2 |
| GO:0090498 | 1 | 0.992013456 | 0 | 4 |
| GO:0090500 | 1 | 0.997998496 | 0 | 1 |
| GO ID   | GO ID Description | Value 1 | Value 2 | Value 3 | Value 4 |
|---------|------------------|---------|---------|---------|---------|
| 14504   | GO:0090502       | 1       | 0.884269287 | 0       | 61      |
| 14505   | GO:0090503       | 1       | 0.935828056  | 0       | 33      |
| 14506   | GO:0090520       | 1       | 0.995993528  | 0       | 2       |
| 14507   | GO:0090521       | 1       | 0.988087668  | 0       | 6       |
| 14508   | GO:0090522       | 1       | 0.997992918  | 0       | 1       |
| 14509   | GO:0090527       | 1       | 0.982103643  | 0       | 9       |
| 14510   | GO:0090533       | 1       | 0.998011551  | 0       | 1       |
| 14511   | GO:0090534       | 1       | 0.998013437  | 0       | 1       |
| 14512   | GO:0090537       | 1       | 0.996025644  | 0       | 2       |
| 14513   | GO:0090541       | 1       | 0.96604999   | 0       | 2       |
| 14514   | GO:0090543       | 1       | 0.935910767  | 0       | 33      |
| 14515   | GO:0090554       | 1       | 0.99079841   | 0       | 5       |
| 14516   | GO:0090555       | 1       | 0.988131162  | 0       | 6       |
| 14517   | GO:0090556       | 1       | 0.966030731  | 0       | 2       |
| 14518   | GO:0090557       | 1       | 0.976311017  | 0       | 12      |
| 14519   | GO:0090559       | 1       | 0.990054928  | 0       | 5       |
| 14520   | GO:0090560       | 1       | 0.995967058  | 0       | 2       |
| 14521   | GO:0090571       | 1       | 0.993995476  | 0       | 3       |
| 14522   | GO:0090575       | 1       | 0.888049058  | 0       | 59      |
| 14523   | GO:0090599       | 1       | 0.992058018  | 0       | 4       |
| 14524   | GO:0090611       | 1       | 0.989982988  | 0       | 5       |
| 14525   | GO:0090615       | 1       | 0.997977264  | 0       | 1       |
| 14526   | GO:0090618       | 1       | 0.996029964  | 0       | 2       |
| 14527   | GO:0090619       | 1       | 0.995985075  | 0       | 2       |
| 14528   | GO:0090624       | 1       | 0.995985075  | 0       | 2       |
| 14529   | GO:0090625       | 1       | 0.997990564  | 0       | 1       |
| 14530   | GO:0090630       | 1       | 0.805164888  | 0       | 108     |
| 14531   | GO:0090636       | 1       | 0.998013359  | 0       | 1       |
| 14532   | GO:0090637       | 1       | 0.998013359  | 0       | 1       |
| 14533   | GO:0090646       | 1       | 0.99200092   | 0       | 4       |
| 14534   | GO:0090647       | 1       | 0.982080532  | 0       | 9       |
| 14535   | GO:0090648       | 1       | 0.998013437  | 0       | 1       |
| 14536   | GO:0090649       | 1       | 0.993935016  | 0       | 3       |
| 14537   | GO:0090650       | 1       | 0.984080538  | 0       | 8       |
| 14538   | GO:0090651       | 1       | 0.995963142  | 0       | 2       |
| 14539   | GO:0090656       | 1       | 0.976250953  | 0       | 12      |
| 14540   | GO:0090657       | 1       | 0.996003739  | 0       | 2       |
| 14541   | GO:0090659       | 1       | 0.998013437  | 0       | 1       |
| 14542   | GO:0090660       | 1       | 0.98204708   | 0       | 9       |
| 14543   | GO:0090661       | 1       | 0.991882148  | 0       | 4       |
| 14544   | GO:0090663       | 1       | 0.99796602   | 0       | 1       |
| 14545   | GO:0090666       | 1       | 0.989951225  | 0       | 5       |
| 14546   | GO:0090668       | 1       | 0.998013437  | 0       | 1       |
| 14547   | GO:0090669       | 1       | 0.991984541  | 0       | 4       |
| 14548   | GO:0090671       | 1       | 0.997976203  | 0       | 1       |
| ID     | GO         | Value 1  | Value 2  | Value 3  | Value 4  |
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| 14549  | GO:0090673 | 1        | 0.998013437 | 0      | 1        |
| 14550  | GO:0090675 | 1        | 0.998009559  | 0      | 1        |
| 14551  | GO:0090676 | 1        | 0.997993311  | 0      | 1        |
| 14552  | GO:0090694 | 1        | 0.996007903  | 0      | 2        |
| 14553  | GO:0090721 | 1        | 0.998013437  | 0      | 1        |
| 14554  | GO:0090722 | 1        | 0.996030724  | 0      | 2        |
| 14555  | GO:0090724 | 1        | 0.990009423  | 0      | 5        |
| 14556  | GO:0090725 | 1        | 0.998006543  | 0      | 1        |
| 14557  | GO:0090730 | 1        | 0.997985764  | 0      | 1        |
| 14558  | GO:0090734 | 1        | 0.947290691  | 0      | 27       |
| 14559  | GO:0090737 | 1        | 0.99600397   | 0      | 2        |
| 14560  | GO:0093001 | 1        | 0.997997597  | 0      | 1        |
| 14561  | GO:0095500 | 1        | 0.980050381  | 0      | 10       |
| 14562  | GO:0097001 | 1        | 0.983968743  | 0      | 8        |
| 14563  | GO:0097003 | 1        | 0.995991953  | 0      | 2        |
| 14564  | GO:0097006 | 1        | 0.993945212  | 0      | 3        |
| 14565  | GO:0097009 | 1        | 0.934085043  | 0      | 34       |
| 14566  | GO:0097010 | 1        | 0.995998729  | 0      | 2        |
| 14567  | GO:0097011 | 1        | 0.978097066  | 0      | 11       |
| 14568  | GO:0097013 | 1        | 0.9939474    | 0      | 3        |
| 14569  | GO:0097014 | 1        | 0.99397369   | 0      | 3        |
| 14570  | GO:0097016 | 1        | 0.993992598  | 0      | 3        |
| 14571  | GO:0097017 | 1        | 0.997990285  | 0      | 1        |
| 14572  | GO:0097020 | 1        | 0.997999824  | 0      | 1        |
| 14573  | GO:0097021 | 1        | 0.991996658  | 0      | 4        |
| 14574  | GO:0097022 | 1        | 0.995998729  | 0      | 2        |
| 14575  | GO:0097023 | 1        | 0.997990564  | 0      | 1        |
| 14576  | GO:0097025 | 1        | 0.99201748   | 0      | 4        |
| 14577  | GO:0097027 | 1        | 0.982026652  | 0      | 9        |
| 14578  | GO:0097028 | 1        | 0.981981159  | 0      | 9        |
| 14579  | GO:0097029 | 1        | 0.993939735  | 0      | 3        |
| 14580  | GO:0097035 | 1        | 0.989943591  | 0      | 5        |
| 14581  | GO:0097036 | 1        | 0.997968714  | 0      | 1        |
| 14582  | GO:0097037 | 1        | 0.9939713    | 0      | 3        |
| 14583  | GO:0097038 | 1        | 0.970387166  | 0      | 15       |
| 14584  | GO:0097039 | 1        | 0.993979662  | 0      | 3        |
| 14585  | GO:0097045 | 1        | 0.998012341  | 0      | 1        |
| 14586  | GO:0097049 | 1        | 0.992004903  | 0      | 4        |
| 14587  | GO:0097050 | 1        | 0.995991447  | 0      | 2        |
| 14588  | GO:0097051 | 1        | 0.994043084  | 0      | 3        |
| 14589  | GO:0097052 | 1        | 0.991995229  | 0      | 4        |
| 14590  | GO:0097053 | 1        | 0.991960561  | 0      | 4        |
| 14591  | GO:0097055 | 1        | 0.995976369  | 0      | 2        |
| 14592  | GO:0097056 | 1        | 0.991981045  | 0      | 4        |
| 14593  | GO:0097057 | 1        | 0.995946674  | 0      | 2        |
| ID      | GO Phrase       | Count | Log10(p)     | Adjusted Count |
|---------|----------------|-------|--------------|----------------|
| 14594   | GO:0097058     | 1     | 0.995954499  | 0              |
| 14595   | GO:0097059     | 1     | 0.997975173  | 0              |
| 14596   | GO:0097060     | 1     | 0.930354098  | 0              |
| 14597   | GO:0097061     | 1     | 0.991943886  | 0              |
| 14598   | GO:0097062     | 1     | 0.980163618  | 0              |
| 14599   | GO:0097065     | 1     | 0.992053793  | 0              |
| 14600   | GO:0097066     | 1     | 0.984004845  | 0              |
| 14601   | GO:0097067     | 1     | 0.974313524  | 0              |
| 14602   | GO:0097068     | 1     | 0.99800547   | 0              |
| 14603   | GO:0097069     | 1     | 0.99600402   | 0              |
| 14604   | GO:0097070     | 1     | 0.994007849  | 0              |
| 14605   | GO:0097079     | 1     | 0.99797916   | 0              |
| 14606   | GO:0097080     | 1     | 0.97997916   | 0              |
| 14607   | GO:0097084     | 1     | 0.983965231  | 0              |
| 14608   | GO:0097089     | 1     | 0.993947782  | 0              |
| 14609   | GO:0097090     | 1     | 0.998013437  | 0              |
| 14610   | GO:0097091     | 1     | 0.984114675  | 0              |
| 14611   | GO:0097094     | 1     | 0.986098219  | 0              |
| 14612   | GO:0097100     | 1     | 0.989971425  | 0              |
| 14613   | GO:0097101     | 1     | 0.997984402  | 0              |
| 14614   | GO:0097102     | 1     | 0.995989407  | 0              |
| 14615   | GO:0097104     | 1     | 0.982221242  | 0              |
| 14616   | GO:0097105     | 1     | 0.978298278  | 0              |
| 14617   | GO:0097106     | 1     | 0.998005327  | 0              |
| 14618   | GO:0097107     | 1     | 0.994051853  | 0              |
| 14619   | GO:0097108     | 1     | 0.992056934  | 0              |
| 14620   | GO:0097109     | 1     | 0.992032637  | 0              |
| 14621   | GO:0097110     | 1     | 0.893602802  | 0              |
| 14622   | GO:0097111     | 1     | 0.996030731  | 0              |
| 14623   | GO:0097112     | 1     | 0.994029945  | 0              |
| 14624   | GO:0097113     | 1     | 0.992019891  | 0              |
| 14625   | GO:0097114     | 1     | 0.990055679  | 0              |
| 14626   | GO:0097115     | 1     | 0.99801271   | 0              |
| 14627   | GO:0097116     | 1     | 0.994000126  | 0              |
| 14628   | GO:0097117     | 1     | 0.996030731  | 0              |
| 14629   | GO:0097118     | 1     | 0.996027798  | 0              |
| 14630   | GO:0097119     | 1     | 0.990094296  | 0              |
| 14631   | GO:0097120     | 1     | 0.980275953  | 0              |
| 14632   | GO:0097123     | 1     | 0.995963572  | 0              |
| 14633   | GO:0097124     | 1     | 0.989949683  | 0              |
| 14634   | GO:0097125     | 1     | 0.995958398  | 0              |
| 14635   | GO:0097129     | 1     | 0.993959701  | 0              |
| 14636   | GO:0097134     | 1     | 0.993961101  | 0              |
| 14637   | GO:0097135     | 1     | 0.995976719  | 0              |
| 14638   | GO:0097136     | 1     | 0.986018832  | 0              |
| Gene      | GO ID   | Gene Name | Fold Change | p-value | Log2 Fold Change |
|-----------|---------|-----------|-------------|---------|-----------------|
| Gene 1    | GO:0097326 | 0.998013176 | 0 | 1 |
| Gene 2    | GO:0097327 | 0.987980706 | 0 | 6 |
| Gene 3    | GO:0097332 | 0.995967374 | 0 | 2 |
| Gene 4    | GO:0097338 | 0.994034633 | 0 | 3 |
| Gene 5    | GO:0097340 | 0.993988922 | 0 | 3 |
| Gene 6    | GO:0097342 | 0.988012986 | 0 | 6 |
| Gene 7    | GO:0097343 | 0.9980062 | 0 | 1 |
| Gene 8    | GO:0097344 | 0.997970886 | 0 | 1 |
| Gene 9    | GO:0097345 | 0.982007759 | 0 | 9 |
| Gene 10   | GO:0097346 | 0.992007997 | 0 | 4 |
| Gene 11   | GO:0097347 | 0.945080402 | 0 | 28 |
| Gene 12   | GO:0097348 | 0.995966913 | 0 | 2 |
| Gene 13   | GO:0097349 | 0.990006861 | 0 | 5 |
| Gene 14   | GO:0097350 | 0.990023073 | 0 | 5 |
| Gene 15   | GO:0097351 | 0.992011817 | 0 | 4 |
| Gene 16   | GO:0097352 | 0.99790564 | 0 | 1 |
| Gene 17   | GO:0097353 | 0.976085901 | 0 | 12 |
| Gene 18   | GO:0097354 | 0.997973786 | 0 | 1 |
| Gene 19   | GO:0097355 | 0.996003648 | 0 | 2 |
| Gene 20   | GO:0097356 | 0.997968378 | 0 | 1 |
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| Gene 23   | GO:0097359 | 0.974178794 | 0 | 13 |
| Gene 24   | GO:0097360 | 0.998013437 | 0 | 1 |
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| Gene 26   | GO:0097362 | 0.980059292 | 0 | 10 |
| Gene 27   | GO:0097363 | 0.998007757 | 0 | 1 |
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| Gene 30   | GO:0097366 | 0.997977911 | 0 | 1 |
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| Gene 32   | GO:0097368 | 0.98998631 | 0 | 5 |
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| Gene 35   | GO:0097371 | 0.929855409 | 0 | 36 |
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| Gene 37   | GO:0097373 | 0.988039951 | 0 | 6 |
| Gene 38   | GO:0097374 | 0.9759785 | 0 | 12 |
| Gene 39   | GO:0097375 | 0.932182266 | 0 | 35 |
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| ID | GO:0097440 | 1 | 0.968530284 | 0 | 16 |
|----|-------------|---|--------------|---|----|
| 14778 | GO:0097441 | 1 | 0.988041563 | 0 | 6 |
| 14779 | GO:0097442 | 1 | 0.998012928 | 0 | 1 |
| 14780 | GO:0097443 | 1 | 0.988083474 | 0 | 6 |
| 14781 | GO:0097444 | 1 | 0.993976037 | 0 | 3 |
| 14782 | GO:0097447 | 1 | 0.993964985 | 0 | 3 |
| 14783 | GO:0097449 | 1 | 0.976195049 | 0 | 12 |
| 14784 | GO:0097450 | 1 | 0.99000289 | 0 | 5 |
| 14785 | GO:0097451 | 1 | 0.994017981 | 0 | 3 |
| 14786 | GO:0097452 | 1 | 0.99195698 | 0 | 4 |
| 14787 | GO:0097454 | 1 | 0.993989801 | 0 | 3 |
| 14788 | GO:0097457 | 1 | 0.998013267 | 0 | 1 |
| 14789 | GO:0097462 | 1 | 0.99977911 | 0 | 1 |
| 14790 | GO:0097466 | 1 | 0.995994611 | 0 | 2 |
| 14791 | GO:0097468 | 1 | 0.997990564 | 0 | 1 |
| 14792 | GO:0097470 | 1 | 0.992063947 | 0 | 4 |
| 14793 | GO:0097472 | 1 | 0.993943015 | 0 | 3 |
| 14794 | GO:0097473 | 1 | 0.998013267 | 0 | 1 |
| 14795 | GO:0097474 | 1 | 0.998013437 | 0 | 1 |
| 14796 | GO:0097475 | 1 | 0.995992287 | 0 | 2 |
| 14797 | GO:0097477 | 1 | 0.99399648 | 0 | 3 |
| 14798 | GO:0097484 | 1 | 0.980151945 | 0 | 10 |
| 14799 | GO:0097485 | 1 | 0.98809132 | 0 | 6 |
| 14800 | GO:0097486 | 1 | 0.991927564 | 0 | 4 |
| 14801 | GO:0097487 | 1 | 0.993968423 | 0 | 3 |
| 14802 | GO:0097489 | 1 | 0.997987593 | 0 | 1 |
| 14803 | GO:0097490 | 1 | 0.992038585 | 0 | 4 |
| 14804 | GO:0097491 | 1 | 0.992038585 | 0 | 4 |
| 14805 | GO:0097493 | 1 | 0.996030731 | 0 | 2 |
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| 14807 | GO:0097497 | 1 | 0.997996769 | 0 | 1 |
| 14808 | GO:0097498 | 1 | 0.995994611 | 0 | 2 |
| 14809 | GO:0097499 | 1 | 0.998012708 | 0 | 1 |
| 14810 | GO:0097500 | 1 | 0.992037032 | 0 | 4 |
| 14811 | GO:0097501 | 1 | 0.99800725 | 0 | 1 |
| 14812 | GO:0097502 | 1 | 0.972169892 | 0 | 14 |
| 14813 | GO:0097503 | 1 | 0.964430273 | 0 | 18 |
| 14814 | GO:0097504 | 1 | 0.976127362 | 0 | 12 |
| 14815 | GO:0097505 | 1 | 0.998013436 | 0 | 1 |
| 14816 | GO:0097510 | 1 | 0.997979455 | 0 | 1 |
| 14817 | GO:0097512 | 1 | 0.987913936 | 0 | 6 |
| 14818 | GO:0097513 | 1 | 0.994051875 | 0 | 3 |
| 14819 | GO:0097519 | 1 | 0.998013437 | 0 | 1 |
| 14820 | GO:0097524 | 1 | 0.989997051 | 0 | 5 |
| 14821 | GO:0097525 | 1 | 0.997990386 | 0 | 1 |
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| 14823  | GO:0097526 | 1     | 0.987847006 | 0          |
| 14824  | GO:0097527 | 1     | 0.985980236  | 0          |
| 14825  | GO:0097528 | 1     | 0.995963171  | 0          |
| 14826  | GO:0097530 | 1     | 0.998003887  | 0          |
| 14827  | GO:0097531 | 1     | 0.998013071  | 0          |
| 14828  | GO:0097533 | 1     | 0.995978415  | 0          |
| 14829  | GO:0097535 | 1     | 0.996007045  | 0          |
| 14830  | GO:0097536 | 1     | 0.99597416   | 0          |
| 14831  | GO:0097539 | 1     | 0.982170856  | 0          |
| 14832  | GO:0097541 | 1     | 0.997990564  | 0          |
| 14833  | GO:0097542 | 1     | 0.90982633   | 0          |
| 14834  | GO:0097543 | 1     | 0.996009641  | 0          |
| 14835  | GO:0097545 | 1     | 0.99585075   | 0          |
| 14836  | GO:0097546 | 1     | 0.939532037  | 0          |
| 14837  | GO:0097550 | 1     | 0.980016061  | 0          |
| 14838  | GO:0097552 | 1     | 0.97990564   | 0          |
| 14839  | GO:0097553 | 1     | 0.988130811  | 0          |
| 14840  | GO:0097573 | 1     | 0.997967253  | 0          |
| 14841  | GO:0097575 | 1     | 0.996012347  | 0          |
| 14842  | GO:0097577 | 1     | 0.97956756   | 0          |
| 14843  | GO:0097581 | 1     | 0.993978401  | 0          |
| 14844  | GO:0097598 | 1     | 0.996007826  | 0          |
| 14845  | GO:0097602 | 1     | 0.952884775  | 0          |
| 14846  | GO:0097603 | 1     | 0.998008787  | 0          |
| 14847  | GO:0097621 | 1     | 0.993991818  | 0          |
| 14848  | GO:0097623 | 1     | 0.976193696  | 0          |
| 14849  | GO:0097629 | 1     | 0.994017467  | 0          |
| 14850  | GO:0097631 | 1     | 0.997990564  | 0          |
| 14851  | GO:0097632 | 1     | 0.996007708  | 0          |
| 14852  | GO:0097635 | 1     | 0.996028987  | 0          |
| 14853  | GO:0097637 | 1     | 0.996005505  | 0          |
| 14854  | GO:0097638 | 1     | 0.994037239  | 0          |
| 14855  | GO:0097643 | 1     | 0.993929579  | 0          |
| 14856  | GO:0097647 | 1     | 0.989904668  | 0          |
| 14857  | GO:0097649 | 1     | 0.997990564  | 0          |
| 14858  | GO:0097655 | 1     | 0.997990564  | 0          |
| 14859  | GO:0097657 | 1     | 0.997990564  | 0          |
| 14860  | GO:0097676 | 1     | 0.994019701  | 0          |
| 14861  | GO:0097677 | 1     | 0.984083602  | 0          |
| 14862  | GO:0097680 | 1     | 0.988064316  | 0          |
| 14863  | GO:0097681 | 1     | 0.992049082  | 0          |
| 14864  | GO:0097682 | 1     | 0.997980349  | 0          |
| 14865  | GO:0097692 | 1     | 0.984091326  | 0          |
| 14866  | GO:0097694 | 1     | 0.996030731  | 0          |
| 14867  | GO:0097695 | 1     | 0.996030731  | 0          |
| ID   | GO:ID   | Count | p-value  | q-value |
|------|---------|-------|----------|---------|
| 14868| GO:0097698 | 1    | 0.997969696 | 0       | 1       |
| 14869| GO:0097699 | 1    | 0.998010978 | 0       | 1       |
| 14870| GO:0097708 | 1    | 0.97433855  | 0       | 13      |
| 14871| GO:0097711 | 1    | 0.826038121 | 0       | 95      |
| 14872| GO:0097712 | 1    | 0.997990564 | 0       | 1       |
| 14873| GO:0097718 | 1    | 0.93584787  | 0       | 33      |
| 14874| GO:0097720 | 1    | 0.990012439 | 0       | 5       |
| 14875| GO:0097726 | 1    | 0.997962652 | 0       | 1       |
| 14876| GO:0097728 | 1    | 0.96016472  | 0       | 2       |
| 14877| GO:0097729 | 1    | 0.976153035 | 0       | 12      |
| 14878| GO:0097730 | 1    | 0.947268092 | 0       | 27      |
| 14879| GO:0097731 | 1    | 0.978126028 | 0       | 11      |
| 14880| GO:0097733 | 1    | 0.988011002 | 0       | 6       |
| 14881| GO:0097734 | 1    | 0.99800761  | 0       | 1       |
| 14882| GO:0097744 | 1    | 0.998010863 | 0       | 1       |
| 14883| GO:0097745 | 1    | 0.993952377 | 0       | 3       |
| 14884| GO:0097746 | 1    | 0.966410334 | 0       | 17      |
| 14885| GO:0097749 | 1    | 0.996007539 | 0       | 2       |
| 14886| GO:0097750 | 1    | 0.996022947 | 0       | 2       |
| 14887| GO:0097752 | 1    | 0.993967614 | 0       | 3       |
| 14888| GO:0097753 | 1    | 0.995999571 | 0       | 2       |
| 14889| GO:0098038 | 1    | 0.99800962  | 0       | 1       |
| 14890| GO:0098505 | 1    | 0.980097116 | 0       | 10      |
| 14891| GO:0098506 | 1    | 0.997973945 | 0       | 1       |
| 14892| GO:0098507 | 1    | 0.995987421 | 0       | 2       |
| 14893| GO:0098508 | 1    | 0.995973592 | 0       | 2       |
| 14894| GO:0098519 | 1    | 0.993994064 | 0       | 3       |
| 14895| GO:0098528 | 1    | 0.998013437 | 0       | 1       |
| 14896| GO:0098530 | 1    | 0.998013437 | 0       | 1       |
| 14897| GO:0098531 | 1    | 0.996012553 | 0       | 2       |
| 14898| GO:0098532 | 1    | 0.990056141 | 0       | 5       |
| 14899| GO:0098534 | 1    | 0.98999852  | 0       | 5       |
| 14900| GO:0098535 | 1    | 0.990033754 | 0       | 5       |
| 14901| GO:0098536 | 1    | 0.990027128 | 0       | 5       |
| 14902| GO:0098542 | 1    | 0.99785088  | 0       | 1       |
| 14903| GO:0098547 | 1    | 0.997982676 | 0       | 1       |
| 14904| GO:0098554 | 1    | 0.99002362  | 0       | 5       |
| 14905| GO:0098556 | 1    | 0.987823704 | 0       | 6       |
| 14906| GO:0098559 | 1    | 0.993974898 | 0       | 3       |
| 14907| GO:0098560 | 1    | 0.995981884 | 0       | 2       |
| 14908| GO:0098562 | 1    | 0.995968307 | 0       | 2       |
| 14909| GO:0098574 | 1    | 0.987991398 | 0       | 6       |
| 14910| GO:0098575 | 1    | 0.995965795 | 0       | 2       |
| 14911| GO:0098576 | 1    | 0.998009097 | 0       | 1       |
| 14912| GO:0098577 | 1    | 0.998013437 | 0       | 1       |
| ID    | GO            | Value | Count |       |       |
|-------|---------------|-------|-------|-------|-------|
| 14913 | GO:0098582    | 0.998003586 | 0     | 1     |       |
| 14915 | GO:0098591    | 0.990097955 | 0     | 5     |       |
| 14916 | GO:0098592    | 0.992014088 | 0     | 4     |       |
| 14917 | GO:0098594    | 0.997955033 | 0     | 1     |       |
| 14918 | GO:0098595    | 0.997982628 | 0     | 1     |       |
| 14919 | GO:0098599    | 0.995962776 | 0     | 2     |       |
| 14920 | GO:0098609    | 0.707664754 | 0     | 172   |       |
| 14921 | GO:0098629    | 0.995996176 | 0     | 2     |       |
| 14922 | GO:0098632    | 0.960770828 | 0     | 20    |       |
| 14923 | GO:0098633    | 0.995987482 | 0     | 2     |       |
| 14924 | GO:0098636    | 0.993994618 | 0     | 3     |       |
| 14925 | GO:0098639    | 0.99005624  | 0     | 5     |       |
| 14926 | GO:0098640    | 0.995978953 | 0     | 2     |       |
| 14927 | GO:0098641    | 0.96429302  | 0     | 18    |       |
| 14928 | GO:0098655    | 0.863811278 | 0     | 73    |       |
| 14929 | GO:0098656    | 0.89034461  | 0     | 58    |       |
| 14930 | GO:0098657    | 0.995978683 | 0     | 2     |       |
| 14931 | GO:0098658    | 0.996028495 | 0     | 2     |       |
| 14932 | GO:0098659    | 0.99602295  | 0     | 2     |       |
| 14933 | GO:0098662    | 0.976190017 | 0     | 12    |       |
| 14934 | GO:0098664    | 0.974097877 | 0     | 13    |       |
| 14935 | GO:0098666    | 0.99798234  | 0     | 1     |       |
| 14936 | GO:0098674    | 0.996030731 | 0     | 2     |       |
| 14937 | GO:0098680    | 0.99800762  | 0     | 1     |       |
| 14938 | GO:0098684    | 0.99003611  | 0     | 5     |       |
| 14939 | GO:0098685    | 0.855041212 | 0     | 78    |       |
| 14940 | GO:0098686    | 0.935939833 | 0     | 33    |       |
| 14941 | GO:0098688    | 0.980151382 | 0     | 10    |       |
| 14942 | GO:0098690    | 0.989999955 | 0     | 5     |       |
| 14943 | GO:0098691    | 0.986003493 | 0     | 7     |       |
| 14944 | GO:0098693    | 0.982148787 | 0     | 9     |       |
| 14945 | GO:0098694    | 0.997996716 | 0     | 1     |       |
| 14946 | GO:0098695    | 0.998013437 | 0     | 1     |       |
| 14947 | GO:0098696    | 0.984081107 | 0     | 8     |       |
| 14948 | GO:0098698    | 0.994031994 | 0     | 3     |       |
| 14949 | GO:0098700    | 0.994000306 | 0     | 3     |       |
| 14950 | GO:0098703    | 0.972410616 | 0     | 14    |       |
| 14951 | GO:0098705    | 0.996029609 | 0     | 2     |       |
| 14952 | GO:0098706    | 0.996028201 | 0     | 2     |       |
| 14953 | GO:0098708    | 0.990055289 | 0     | 5     |       |
| 14954 | GO:0098711    | 0.994000817 | 0     | 3     |       |
| 14955 | GO:0098712    | 0.984125414 | 0     | 8     |       |
| 14956 | GO:0098713    | 0.994009977 | 0     | 3     |       |
| 14957 | GO:0098718    | 0.99801003  | 0     | 1     |       |
| 14958 | GO:0098719    | 0.962706581 | 0     | 19    |       |
| Gene ID | Accession | Expression | Log2 Fold Change | p-value |
|--------|-----------|------------|-----------------|---------|
| 15006  | GO:0098845| 1          | 0.991994129     | 0       |
| 15007  | GO:0098847| 1          | 0.99595945      | 0       |
| 15008  | GO:0098849| 1          | 0.97994159      | 0       |
| 15009  | GO:0098850| 1          | 0.99162461      | 0       |
| 15010  | GO:0098855| 1          | 0.994038826     | 0       |
| 15011  | GO:0098856| 1          | 0.993979675     | 0       |
| 15012  | GO:0098857| 1          | 0.996025105     | 0       |
| 15013  | GO:0098858| 1          | 0.998013437     | 0       |
| 15014  | GO:0098868| 1          | 0.988057937     | 0       |
| 15015  | GO:0098869| 1          | 0.866054072     | 0       |
| 15016  | GO:0098871| 1          | 0.990028148     | 0       |
| 15017  | GO:0098872| 1          | 0.998013437     | 0       |
| 15018  | GO:0098875| 1          | 0.998012194     | 0       |
| 15019  | GO:0098877| 1          | 0.998004621     | 0       |
| 15020  | GO:0098880| 1          | 0.996030731     | 0       |
| 15021  | GO:0098882| 1          | 0.990093289     | 0       |
| 15022  | GO:0098883| 1          | 0.989986879     | 0       |
| 15023  | GO:0098885| 1          | 0.98995229      | 0       |
| 15025  | GO:0098886| 1          | 0.99600758      | 0       |
| 15026  | GO:0098887| 1          | 0.98408088      | 0       |
| 15027  | GO:0098888| 1          | 0.996030731     | 0       |
| 15028  | GO:0098890| 1          | 0.994034717     | 0       |
| 15029  | GO:0098891| 1          | 0.998012409     | 0       |
| 15030  | GO:0098892| 1          | 0.997978353     | 0       |
| 15031  | GO:0098894| 1          | 0.996021026     | 0       |
| 15032  | GO:0098900| 1          | 0.993993305     | 0       |
| 15033  | GO:0098901| 1          | 0.992035604     | 0       |
| 15034  | GO:0098902| 1          | 0.998013437     | 0       |
| 15035  | GO:0098903| 1          | 0.99399698      | 0       |
| 15036  | GO:0098904| 1          | 0.99408217      | 0       |
| 15037  | GO:0098905| 1          | 0.995957695     | 0       |
| 15038  | GO:0098906| 1          | 0.997996859     | 0       |
| 15039  | GO:0098907| 1          | 0.994046694     | 0       |
| 15040  | GO:0098908| 1          | 0.996013093     | 0       |
| 15041  | GO:0098909| 1          | 0.986059664     | 0       |
| 15042  | GO:0098910| 1          | 0.99403536      | 0       |
| 15043  | GO:0098911| 1          | 0.97829769      | 0       |
| 15044  | GO:0098912| 1          | 0.994047706     | 0       |
| 15045  | GO:0098914| 1          | 0.991983945     | 0       |
| 15046  | GO:0098915| 1          | 0.980112885     | 0       |
| 15047  | GO:0098916| 1          | 0.998013437     | 0       |
| 15048  | GO:0098917| 1          | 0.992073275     | 0       |
| 15049  | GO:0098921| 1          | 0.994028643     | 0       |
| 15050  | GO:0098924| 1          | 0.998013437     | 0       |
| 15051  | GO:0098925| 1          | 0.997990564     | 0       |
| GO             | Value  | p-value | Count | Value  | p-value | Count |
|----------------|--------|---------|-------|--------|---------|-------|
| GO:0098930     | 1      | 0.994030265 | 0    | 3      |         |       |
| GO:0098937     | 1      | 0.997988758  | 0    | 1      |         |       |
| GO:0098939     | 1      | 0.996013282  | 0    | 2      |         |       |
| GO:0098942     | 1      | 0.994034117  | 0    | 3      |         |       |
| GO:0098943     | 1      | 0.991962256  | 0    | 4      |         |       |
| GO:0098957     | 1      | 0.990076362  | 0    | 5      |         |       |
| GO:0098958     | 1      | 0.994002731  | 0    | 3      |         |       |
| GO:0098962     | 1      | 0.968467872  | 0    | 16     |         |       |
| GO:0098963     | 1      | 0.994009028  | 0    | 3      |         |       |
| GO:0098966     | 1      | 0.996030731  | 0    | 2      |         |       |
| GO:0098967     | 1      | 0.989990894  | 0    | 5      |         |       |
| GO:0098968     | 1      | 0.998013208  | 0    | 1      |         |       |
| GO:0098969     | 1      | 0.994013629  | 0    | 3      |         |       |
| GO:0098970     | 1      | 0.988014669  | 0    | 6      |         |       |
| GO:0098971     | 1      | 0.992062121  | 0    | 4      |         |       |
| GO:0098972     | 1      | 0.998013437  | 0    | 1      |         |       |
| GO:0098973     | 1      | 0.991965323  | 0    | 4      |         |       |
| GO:0098974     | 1      | 0.976197885  | 0    | 12     |         |       |
| GO:0098976     | 1      | 0.982193798  | 0    | 9      |         |       |
| GO:0098977     | 1      | 0.998013282  | 0    | 1      |         |       |
| GO:0098978     | 1      | 0.530487714  | 0    | 314    |         |       |
| GO:0098981     | 1      | 0.984093302  | 0    | 8      |         |       |
| GO:0098982     | 1      | 0.890229831  | 0    | 58     |         |       |
| GO:0098983     | 1      | 0.992068484  | 0    | 4      |         |       |
| GO:0098984     | 1      | 0.996005853  | 0    | 2      |         |       |
| GO:0098985     | 1      | 0.990098192  | 0    | 5      |         |       |
| GO:0098989     | 1      | 0.995987359  | 0    | 2      |         |       |
| GO:0098992     | 1      | 0.986075885  | 0    | 7      |         |       |
| GO:0098993     | 1      | 0.97998111   | 0    | 10     |         |       |
| GO:0098998     | 1      | 0.997996723  | 0    | 1      |         |       |
| GO:0098999     | 1      | 0.998009244  | 0    | 1      |         |       |
| GO:0099003     | 1      | 0.976232846  | 0    | 12     |         |       |
| GO:0099004     | 1      | 0.997951202  | 0    | 1      |         |       |
| GO:0099010     | 1      | 0.995996512  | 0    | 2      |         |       |
| GO:0099011     | 1      | 0.996030731  | 0    | 2      |         |       |
| GO:0099012     | 1      | 0.996030647  | 0    | 2      |         |       |
| GO:0099013     | 1      | 0.998013437  | 0    | 1      |         |       |
| GO:0099020     | 1      | 0.997991997  | 0    | 1      |         |       |
| GO:0099023     | 1      | 0.998013437  | 0    | 1      |         |       |
| GO:0099025     | 1      | 0.99601803   | 0    | 2      |         |       |
| GO:0099026     | 1      | 0.992042361  | 0    | 4      |         |       |
| GO:0099029     | 1      | 0.993993362  | 0    | 3      |         |       |
| GO:0099031     | 1      | 0.992020937  | 0    | 4      |         |       |
| GO:0099033     | 1      | 0.995985075  | 0    | 2      |         |       |
| GO:0099038     | 1      | 0.996029947  | 0    | 2      |         |       |
| GO ID   | GO Term | Value | P-Value | Q-Value |
|---------|---------|-------|---------|---------|
| GO:0099039 | 1 | 0.996030731 | 0 | 2 |
| GO:0099040 | 1 | 0.994045144 | 0 | 3 |
| GO:0099041 | 1 | 0.99005468 | 0 | 5 |
| GO:0099044 | 1 | 0.995967989 | 0 | 2 |
| GO:0099050 | 1 | 0.9979902 | 0 | 1 |
| GO:0099053 | 1 | 0.993995541 | 0 | 3 |
| GO:0099054 | 1 | 0.974343621 | 0 | 13 |
| GO:0099055 | 1 | 0.921033148 | 0 | 13 |
| GO:0099056 | 1 | 0.913672584 | 0 | 45 |
| GO:0099059 | 1 | 0.972336772 | 0 | 14 |
| GO:0099060 | 1 | 0.9606896 | 0 | 20 |
| GO:0099061 | 1 | 0.926696804 | 0 | 38 |
| GO:0099065 | 1 | 0.998013182 | 0 | 1 |
| GO:0099066 | 1 | 0.997975715 | 0 | 1 |
| GO:0099068 | 1 | 0.99599107 | 0 | 2 |
| GO:0099072 | 1 | 0.980135073 | 0 | 10 |
| GO:0099073 | 1 | 0.994012496 | 0 | 3 |
| GO:0099074 | 1 | 0.993990317 | 0 | 3 |
| GO:0099077 | 1 | 0.998013437 | 0 | 1 |
| GO:0099078 | 1 | 0.983954969 | 0 | 8 |
| GO:0099087 | 1 | 0.997992817 | 0 | 1 |
| GO:0099091 | 1 | 0.992004151 | 0 | 4 |
| GO:0099092 | 1 | 0.972335522 | 0 | 14 |
| GO:0099093 | 1 | 0.996007856 | 0 | 2 |
| GO:0099104 | 1 | 0.991983917 | 0 | 4 |
| GO:0099106 | 1 | 0.99850548 | 0 | 5 |
| GO:0099111 | 1 | 0.998013437 | 0 | 1 |
| GO:0099115 | 1 | 0.9598974 | 0 | 2 |
| GO:0099116 | 1 | 0.997966211 | 0 | 1 |
| GO:0099122 | 1 | 0.992049398 | 0 | 4 |
| GO:0099144 | 1 | 0.99800978 | 0 | 1 |
| GO:0099147 | 1 | 0.99014062 | 0 | 5 |
| GO:0099149 | 1 | 0.976227505 | 0 | 12 |
| GO:0099150 | 1 | 0.998013437 | 0 | 1 |
| GO:0099151 | 1 | 0.984143636 | 0 | 8 |
| GO:0099152 | 1 | 0.993989659 | 0 | 3 |
| GO:0099154 | 1 | 0.998011379 | 0 | 1 |
| GO:0099156 | 1 | 0.99799567 | 0 | 1 |
| GO:0099158 | 1 | 0.99796723 | 0 | 1 |
| GO:0099159 | 1 | 0.95973944 | 0 | 2 |
| GO:0099160 | 1 | 0.996011189 | 0 | 2 |
| GO:0099170 | 1 | 0.984064467 | 0 | 8 |
| GO:0099171 | 1 | 0.994026539 | 0 | 3 |
| GO:0099172 | 1 | 0.9959963 | 0 | 2 |
| GO:0099173 | 1 | 0.980179674 | 0 | 10 |
| ID    | GO:0099560  | Value   | P-value | Count |
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| 15187 | 0.964656967  | 0       | 18      |
| 15188 | 0.990095634  | 0       | 5       |
| 15189 | 0.992018039  | 0       | 4       |
| 15190 | 0.97998232   | 0       | 1       |
| 15191 | 0.978303669  | 0       | 11      |
| 15192 | 0.97987203   | 0       | 1       |
| 15193 | 0.97993551   | 0       | 1       |
| 15194 | 0.97990564   | 0       | 1       |
| 15195 | 0.990062781  | 0       | 5       |
| 15196 | 0.99596144   | 0       | 2       |
| 15197 | 0.994047738  | 0       | 3       |
| 15198 | 0.977979973  | 0       | 1       |
| 15199 | 0.994004691  | 0       | 3       |
| 15200 | 0.996006487  | 0       | 2       |
| 15201 | 0.996030548  | 0       | 2       |
| 15202 | 0.97991904   | 0       | 1       |
| 15203 | 0.994051874  | 0       | 3       |
| 15204 | 0.991963222  | 0       | 4       |
| 15205 | 0.991966433  | 0       | 4       |
| 15206 | 0.990027295  | 0       | 5       |
| 15207 | 0.998013437  | 0       | 1       |
| 15208 | 0.998013437  | 0       | 1       |
| 15209 | 0.998013083  | 0       | 1       |
| 15210 | 0.996030731  | 0       | 2       |
| 15211 | 0.993981847  | 0       | 3       |
| 15212 | 0.991996145  | 0       | 4       |
| 15213 | 0.993986446  | 0       | 3       |
| 15214 | 0.996007197  | 0       | 2       |
| 15215 | 0.997990564  | 0       | 1       |
| 15216 | 0.996007903  | 0       | 2       |
| 15217 | 0.997990564  | 0       | 1       |
| 15218 | 0.995930809  | 0       | 2       |
| 15219 | 0.993972099  | 0       | 3       |
| 15220 | 0.993997681  | 0       | 3       |
| 15221 | 0.998013437  | 0       | 1       |
| 15222 | 0.997982404  | 0       | 1       |
| 15223 | 0.997998802  | 0       | 1       |
| 15224 | 0.984107896  | 0       | 8       |
| 15225 | 0.996030731  | 0       | 2       |
| 15226 | 0.992027119  | 0       | 4       |
| 15227 | 0.99399485   | 0       | 3       |
| 15228 | 0.993997681  | 0       | 3       |
| 15229 | 0.978157399  | 0       | 11      |
| 15230 | 0.97992291   | 0       | 1       |
| 15231 | 0.996022892  | 0       | 2       |
| GO ID | GO Term | Count | Score | Width |
|-------|---------|-------|-------|-------|
| 15232 | GO:0101003 | 1 | 0.896984131 | 54 |
| 15233 | GO:0101004 | 1 | 0.995985401 | 2 |
| 15234 | GO:0101005 | 1 | 0.980139884 | 10 |
| 15235 | GO:0101006 | 1 | 0.993409888 | 3 |
| 15236 | GO:0101020 | 1 | 0.984011608 | 8 |
| 15237 | GO:0101021 | 1 | 0.989990199 | 5 |
| 15238 | GO:0101030 | 1 | 0.993554999 | 3 |
| 15239 | GO:0101031 | 1 | 0.968095264 | 16 |
| 15240 | GO:0102007 | 1 | 0.99322934 | 3 |
| 15241 | GO:0102009 | 1 | 0.997976841 | 1 |
| 15242 | GO:0102033 | 1 | 0.990021282 | 5 |
| 15243 | GO:0102035 | 1 | 0.998013437 | 1 |
| 15244 | GO:0102076 | 1 | 0.99792183 | 1 |
| 15245 | GO:0102077 | 1 | 0.995963191 | 2 |
| 15246 | GO:0102084 | 1 | 0.997982988 | 1 |
| 15247 | GO:0102092 | 1 | 0.996030582 | 2 |
| 15248 | GO:0102102 | 1 | 0.99800715 | 1 |
| 15249 | GO:0102113 | 1 | 0.998013437 | 1 |
| 15250 | GO:0102116 | 1 | 0.997973026 | 1 |
| 15251 | GO:0102121 | 1 | 0.987971588 | 6 |
| 15252 | GO:0102131 | 1 | 0.998013437 | 1 |
| 15253 | GO:0102132 | 1 | 0.998013437 | 1 |
| 15254 | GO:0102140 | 1 | 0.996030731 | 2 |
| 15255 | GO:0102148 | 1 | 0.993965293 | 3 |
| 15256 | GO:0102158 | 1 | 0.991985904 | 4 |
| 15257 | GO:0102166 | 1 | 0.997990564 | 1 |
| 15258 | GO:0102167 | 1 | 0.997990564 | 1 |
| 15259 | GO:0102175 | 1 | 0.997971684 | 1 |
| 15260 | GO:0102193 | 1 | 0.995948271 | 2 |
| 15261 | GO:0102194 | 1 | 0.99796864 | 1 |
| 15262 | GO:0102200 | 1 | 0.998013209 | 1 |
| 15263 | GO:0102207 | 1 | 0.9959828 | 2 |
| 15264 | GO:0102250 | 1 | 0.994013624 | 3 |
| 15265 | GO:0102258 | 1 | 0.998005567 | 1 |
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| 15267 | GO:0102264 | 1 | 0.997990564 | 1 |
| 15268 | GO:0102279 | 1 | 0.998012626 | 1 |
| 15269 | GO:0102320 | 1 | 0.997990913 | 1 |
| 15270 | GO:0102336 | 1 | 0.987988928 | 6 |
| 15271 | GO:0102337 | 1 | 0.987988928 | 6 |
| 15272 | GO:0102338 | 1 | 0.987988928 | 6 |
| 15273 | GO:0102339 | 1 | 0.997987281 | 1 |
| 15274 | GO:0102340 | 1 | 0.997987281 | 1 |
| 15275 | GO:0102341 | 1 | 0.997987281 | 1 |
| 15276 | GO:0102342 | 1 | 0.997987281 | 1 |
| GO ID | Description | Value | Threshold | Count |
|-------|-------------|-------|-----------|-------|
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| GO:0102344 | 1 | 0.991985904 | 0 | 4 |
| GO:0102345 | 1 | 0.991985904 | 0 | 4 |
| GO:0102354 | 1 | 0.993947824 | 0 | 3 |
| GO:0102389 | 1 | 0.997989115 | 0 | 1 |
| GO:0102390 | 1 | 0.997988836 | 0 | 1 |
| GO:0102391 | 1 | 0.993970963 | 0 | 3 |
| GO:0102420 | 1 | 0.992009974 | 0 | 4 |
| GO:0102485 | 1 | 0.993997854 | 0 | 3 |
| GO:0102486 | 1 | 0.993997854 | 0 | 3 |
| GO:0102487 | 1 | 0.993997854 | 0 | 3 |
| GO:0102488 | 1 | 0.993997854 | 0 | 3 |
| GO:0102489 | 1 | 0.993997854 | 0 | 3 |
| GO:0102490 | 1 | 0.993997854 | 0 | 3 |
| GO:0102491 | 1 | 0.993997854 | 0 | 3 |
| GO:0102499 | 1 | 0.994013624 | 0 | 3 |
| GO:0102500 | 1 | 0.998013437 | 0 | 1 |
| GO:0102521 | 1 | 0.995988254 | 0 | 2 |
| GO:0102522 | 1 | 0.997982083 | 0 | 1 |
| GO:0102524 | 1 | 0.997990564 | 0 | 1 |
| GO:0102545 | 1 | 0.978159542 | 0 | 11 |
| GO:0102552 | 1 | 0.997973035 | 0 | 1 |
| GO:0102553 | 1 | 0.997973035 | 0 | 1 |
| GO:0102555 | 1 | 0.997959405 | 0 | 1 |
| GO:0102559 | 1 | 0.998013437 | 0 | 1 |
| GO:0102567 | 1 | 0.952783428 | 0 | 24 |
| GO:0102568 | 1 | 0.952783428 | 0 | 24 |
| GO:0102571 | 1 | 0.997990564 | 0 | 1 |
| GO:0102662 | 1 | 0.997981631 | 0 | 1 |
| GO:0102704 | 1 | 0.997992925 | 0 | 1 |
| GO:0102707 | 1 | 0.997987515 | 0 | 1 |
| GO:0102732 | 1 | 0.997975112 | 0 | 1 |
| GO:0102751 | 1 | 0.995978962 | 0 | 2 |
| GO:0102752 | 1 | 0.997996052 | 0 | 1 |
| GO:0102756 | 1 | 0.987988928 | 0 | 6 |
| GO:0102757 | 1 | 0.997990564 | 0 | 1 |
| GO:0102758 | 1 | 0.997963616 | 0 | 1 |
| GO:0102769 | 1 | 0.997972277 | 0 | 1 |
| GO:0102773 | 1 | 0.996008213 | 0 | 2 |
| GO:0102797 | 1 | 0.998012804 | 0 | 1 |
| GO:0102798 | 1 | 0.998012804 | 0 | 1 |
| GO:0102867 | 1 | 0.997990293 | 0 | 1 |
| GO:0102938 | 1 | 0.997982988 | 0 | 1 |
| GO:0102953 | 1 | 0.991971664 | 0 | 4 |
| GO:0102965 | 1 | 0.995997464 | 0 | 2 |
| GO         | 1 | 0.974052058 | 0 | 13 |
|------------|---|-------------|---|-----|
| GO:0103002 | 1 | 0.997973026 | 0 | 1   |
| GO:0103025 | 1 | 0.991933575 | 0 | 4   |
| GO:0103026 | 1 | 0.997990564 | 0 | 1   |
| GO:0103045 | 1 | 0.997979809 | 0 | 1   |
| GO:0103046 | 1 | 0.998012912 | 0 | 1   |
| GO:0103053 | 1 | 0.995951125 | 0 | 2   |
| GO:0103066 | 1 | 0.997971684 | 0 | 1   |
| GO:0103067 | 1 | 0.997971684 | 0 | 1   |
| GO:0103068 | 1 | 0.991971664 | 0 | 4   |
| GO:0103069 | 1 | 0.997979067 | 0 | 1   |
| GO:0103073 | 1 | 0.995963191 | 0 | 2   |
| GO:0106001 | 1 | 0.99600044  | 0 | 2   |
| GO:0106003 | 1 | 0.998013437 | 0 | 1   |
| GO:0106004 | 1 | 0.995944175 | 0 | 2   |
| GO:0106005 | 1 | 0.994006307 | 0 | 3   |
| GO:0106006 | 1 | 0.994035901 | 0 | 3   |
| GO:0106008 | 1 | 0.997965639 | 0 | 1   |
| GO:0106014 | 1 | 0.997987546 | 0 | 1   |
| GO:0106015 | 1 | 0.993969003 | 0 | 3   |
| GO:0106016 | 1 | 0.995945909 | 0 | 2   |
| GO:0106018 | 1 | 0.996006377 | 0 | 2   |
| GO:0106019 | 1 | 0.997999981 | 0 | 1   |
| GO:0106022 | 1 | 0.998006747 | 0 | 1   |
| GO:0106027 | 1 | 0.998013437 | 0 | 1   |
| GO:0106028 | 1 | 0.998012604 | 0 | 1   |
| GO:0106029 | 1 | 0.991943436 | 0 | 4   |
| GO:0106030 | 1 | 0.996003456 | 0 | 2   |
| GO:0106034 | 1 | 0.995956307 | 0 | 2   |
| GO:0106035 | 1 | 0.987946891 | 0 | 6   |
| GO:0106044 | 1 | 0.997958946 | 0 | 1   |
| GO:0106045 | 1 | 0.997958946 | 0 | 1   |
| GO:0106046 | 1 | 0.997958946 | 0 | 1   |
| GO:0106047 | 1 | 0.997989557 | 0 | 1   |
| GO:0106048 | 1 | 0.997989557 | 0 | 1   |
| GO:0106049 | 1 | 0.997977002 | 0 | 1   |
| GO:0106050 | 1 | 0.997990564 | 0 | 1   |
| GO:0106056 | 1 | 0.998013083 | 0 | 1   |
| GO:0106064 | 1 | 0.998013437 | 0 | 1   |
| GO:0106068 | 1 | 0.997953871 | 0 | 1   |
| GO:0106070 | 1 | 0.997982034 | 0 | 1   |
| GO:0106071 | 1 | 0.993988912 | 0 | 3   |
| GO:0106072 | 1 | 0.991966673 | 0 | 4   |
| GO:0106073 | 1 | 0.996013576 | 0 | 2   |
| GO:0106074 | 1 | 0.974205276 | 0 | 13  |
| Gene ID | GO ID       | Description | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Score 6 | Score 7 |
|--------|-------------|-------------|---------|---------|---------|---------|---------|---------|---------|
| 15367  | GO:0106077  | 1           | 0.99204677 | 0       | 4       |         |         |         |         |
| 15368  | GO:0106078  | 1           | 0.99796279 | 0       | 1       |         |         |         |         |
| 15369  | GO:0106089  | 1           | 0.998013437 | 0     | 1       |         |         |         |         |
| 15370  | GO:0106090  | 1           | 0.997941649 | 0     | 1       |         |         |         |         |
| 15371  | GO:0106091  | 1           | 0.995943412 | 0     | 2       |         |         |         |         |
| 15372  | GO:0106101  | 1           | 0.997975998 | 0     | 1       |         |         |         |         |
| 15373  | GO:0106105  | 1           | 0.997990564 | 0     | 1       |         |         |         |         |
| 15374  | GO:0106112  | 1           | 0.998013437 | 0     | 1       |         |         |         |         |
| 15375  | GO:0106134  | 1           | 0.998002124 | 0     | 1       |         |         |         |         |
| 15376  | GO:0106137  | 1           | 0.995995495 | 0     | 2       |         |         |         |         |
| 15377  | GO:0106138  | 1           | 0.998013437 | 0     | 1       |         |         |         |         |
| 15378  | GO:0106140  | 1           | 0.992035026 | 0     | 4       |         |         |         |         |
| 15379  | GO:0106153  | 1           | 0.997963315 | 0     | 1       |         |         |         |         |
| 15380  | GO:0106162  | 1           | 0.998007125 | 0     | 1       |         |         |         |         |
| 15381  | GO:0106177  | 1           | 0.998013437 | 0     | 1       |         |         |         |         |
| 15382  | GO:0106217  | 1           | 0.997982628 | 0     | 1       |         |         |         |         |
| 15383  | GO:0106226  | 1           | 0.998013437 | 0     | 1       |         |         |         |         |
| 15384  | GO:0106227  | 1           | 0.997996279 | 0     | 1       |         |         |         |         |
| 15385  | GO:0106228  | 1           | 0.997996279 | 0     | 1       |         |         |         |         |
| 15386  | GO:0106230  | 1           | 0.995983678 | 0     | 2       |         |         |         |         |
| 15387  | GO:0106231  | 1           | 0.995983678 | 0     | 2       |         |         |         |         |
| 15388  | GO:0106235  | 1           | 0.993983524 | 0     | 3       |         |         |         |         |
| 15390  | GO:0106245  | 1           | 0.995976634 | 0     | 2       |         |         |         |         |
| 15391  | GO:0106255  | 1           | 0.996060644 | 0     | 2       |         |         |         |         |
| 15392  | GO:0106256  | 1           | 0.998013437 | 0     | 1       |         |         |         |         |
| 15393  | GO:0106258  | 1           | 0.997968613 | 0     | 1       |         |         |         |         |
| 15394  | GO:0106261  | 1           | 0.997997805 | 0     | 1       |         |         |         |         |
| 15395  | GO:0106262  | 1           | 0.991988582 | 0     | 4       |         |         |         |         |
| 15396  | GO:0106263  | 1           | 0.991988582 | 0     | 4       |         |         |         |         |
| 15397  | GO:0106272  | 1           | 0.998008841 | 0     | 1       |         |         |         |         |
| 15398  | GO:0106273  | 1           | 0.998008841 | 0     | 1       |         |         |         |         |
| 15399  | GO:0106274  | 1           | 0.995942121 | 0     | 2       |         |         |         |         |
| 15400  | GO:0106275  | 1           | 0.995942121 | 0     | 2       |         |         |         |         |
| 15401  | GO:0106276  | 1           | 0.995923309 | 0     | 2       |         |         |         |         |
| 15402  | GO:0106277  | 1           | 0.995923309 | 0     | 2       |         |         |         |         |
| 15403  | GO:0106281  | 1           | 0.997959295 | 0     | 1       |         |         |         |         |
| 15404  | GO:0106282  | 1           | 0.997959295 | 0     | 1       |         |         |         |         |
| 15405  | GO:0106283  | 1           | 0.997959295 | 0     | 1       |         |         |         |         |
| 15406  | GO:0106289  | 1           | 0.998004147 | 0     | 1       |         |         |         |         |
| 15407  | GO:0106293  | 1           | 0.99603072  | 0     | 2       |         |         |         |         |
| 15408  | GO:0106294  | 1           | 0.994025172 | 0     | 3       |         |         |         |         |
| 15409  | GO:0106300  | 1           | 0.988018587 | 0     | 6       |         |         |         |         |
| 15410  | GO:0106301  | 1           | 0.997976246 | 0     | 1       |         |         |         |         |
| 15411  | GO:0106306  | 1           | 0.868491325 | 0     | 70      |         |         |         |         |
| GO ID   | Description     | Value | Type | Count |
|---------|-----------------|-------|------|-------|
| GO:0106307 | 1               | 0.868491325 | 0    | 70    |
| GO:0106309 | 1               | 0.997979067  | 0    | 1     |
| GO:0106312 | 1               | 0.998013437  | 0    | 1     |
| GO:0106313 | 1               | 0.998013437  | 0    | 1     |
| GO:0106321 | 1               | 0.997988883  | 0    | 1     |
| GO:0106322 | 1               | 0.997988883  | 0    | 1     |
| GO:0106325 | 1               | 0.997982179  | 0    | 1     |
| GO:0106326 | 1               | 0.997982179  | 0    | 1     |
| GO:0106327 | 1               | 0.997986516  | 0    | 1     |
| GO:0106328 | 1               | 0.997986516  | 0    | 1     |
| GO:0106329 | 1               | 0.997979521  | 0    | 1     |
| GO:0106330 | 1              | 0.99799195   | 0    | 1     |
| GO:0106331 | 1              | 0.99799195   | 0    | 1     |
| GO:0106333 | 1              | 0.995936009  | 0    | 2     |
| GO:0106335 | 1              | 0.998008236  | 0    | 1     |
| GO:0106341 | 1              | 0.997984584  | 0    | 1     |
| GO:0106342 | 1              | 0.997984584  | 0    | 1     |
| GO:0106347 | 1              | 0.998003986  | 0    | 1     |
| GO:0106363 | 1              | 0.996001638  | 0    | 2     |
| GO:0110008 | 1              | 0.997995178  | 0    | 1     |
| GO:0110015 | 1              | 0.995887523  | 0    | 2     |
| GO:0110024 | 1              | 0.993996942  | 0    | 3     |
| GO:0110025 | 1              | 0.995991901  | 0    | 2     |
| GO:0110026 | 1              | 0.997995247  | 0    | 1     |
| GO:0110032 | 1              | 0.993997847  | 0    | 3     |
| GO:0110050 | 1              | 0.997967328  | 0    | 1     |
| GO:0110051 | 1              | 0.997990564  | 0    | 1     |
| GO:0110053 | 1              | 0.99400122   | 0    | 3     |
| GO:0110059 | 1              | 0.998013397  | 0    | 1     |
| GO:0110061 | 1              | 0.996030731  | 0    | 2     |
| GO:0110070 | 1              | 0.997977517  | 0    | 1     |
| GO:0110076 | 1              | 0.995961134  | 0    | 2     |
| GO:0110077 | 1              | 0.997993466  | 0    | 1     |
| GO:0110090 | 1              | 0.998012279  | 0    | 1     |
| GO:0110091 | 1              | 0.995999447  | 0    | 2     |
| GO:0110095 | 1              | 0.989904362  | 0    | 5     |
| GO:0110097 | 1              | 0.997983546  | 0    | 1     |
| GO:0110099 | 1              | 0.995971652  | 0    | 2     |
| GO:0110104 | 1              | 0.990070106  | 0    | 5     |
| GO:0110113 | 1              | 0.998011533  | 0    | 1     |
| GO:0110135 | 1              | 0.994016862  | 0    | 3     |
| GO:0110151 | 1              | 0.997982396  | 0    | 1     |
| GO:0110152 | 1              | 0.997990564  | 0    | 1     |
| GO:0110153 | 1              | 0.998001538  | 0    | 1     |
| GO:0110155 | 1              | 0.995996027  | 0    | 2     |
| GO:0120001 | 1 | 0.993913895 | 0 | 3 |
| GO:0120012 | 1 | 0.997990564 | 0 | 1 |
| GO:0120013 | 1 | 0.987975357 | 0 | 6 |
| GO:0120014 | 1 | 0.995985514 | 0 | 2 |
| GO:0120015 | 1 | 0.998013048 | 0 | 1 |
| GO:0120017 | 1 | 0.995967616 | 0 | 2 |
| GO:0120019 | 1 | 0.988019189 | 0 | 6 |
| GO:0120025 | 1 | 0.998013437 | 0 | 1 |
| GO:0120034 | 1 | 0.997969197 | 0 | 1 |
| GO:0120035 | 1 | 0.997961288 | 0 | 1 |
| GO:0120036 | 1 | 0.997999366 | 0 | 1 |
| GO:0120041 | 1 | 0.985941303 | 0 | 7 |
| GO:0120042 | 1 | 0.997988898 | 0 | 1 |
| GO:0120043 | 1 | 0.995970327 | 0 | 2 |
| GO:0120044 | 1 | 0.989997163 | 0 | 5 |
| GO:0120045 | 1 | 0.995980964 | 0 | 2 |
| GO:0120048 | 1 | 0.997990564 | 0 | 1 |
| GO:0120049 | 1 | 0.99599847 | 0 | 1 |
| GO:0120053 | 1 | 0.997990564 | 0 | 1 |
| GO:0120058 | 1 | 0.997954504 | 0 | 1 |
| GO:0120061 | 1 | 0.995928953 | 0 | 2 |
| GO:0120069 | 1 | 0.997956554 | 0 | 1 |
| GO:0120072 | 1 | 0.998013176 | 0 | 1 |
| GO:0120078 | 1 | 0.997985733 | 0 | 1 |
| GO:0120092 | 1 | 0.995970489 | 0 | 2 |
| GO:0120094 | 1 | 0.99799981 | 0 | 1 |
| GO:0120095 | 1 | 0.998000136 | 0 | 1 |
| GO:0120103 | 1 | 0.980176198 | 0 | 10 |
| GO:0120108 | 1 | 0.997978951 | 0 | 1 |
| GO:0120114 | 1 | 0.997970941 | 0 | 1 |
| GO:0120115 | 1 | 0.985840464 | 0 | 7 |
| GO:0120117 | 1 | 0.997998817 | 0 | 1 |
| GO:0120134 | 1 | 0.998013437 | 0 | 1 |
| GO:0120135 | 1 | 0.998013437 | 0 | 1 |
| GO:0120146 | 1 | 0.987925996 | 0 | 6 |
| GO:0120147 | 1 | 0.997980316 | 0 | 1 |
| GO:0120153 | 1 | 0.997966932 | 0 | 1 |
| GO:0120158 | 1 | 0.997990564 | 0 | 1 |
| GO:0120160 | 1 | 0.994003316 | 0 | 3 |
| GO:0120161 | 1 | 0.998003396 | 0 | 1 |
| GO:0120163 | 1 | 0.913533222 | 0 | 45 |
| GO:0120169 | 1 | 0.998012012 | 0 | 1 |
| GO:0120170 | 1 | 0.990027472 | 0 | 5 |
| GO:0120183 | 1 | 0.988110743 | 0 | 6 |
| GO:0120188 | 1 | 0.992000772 | 0 | 4 |
| GO:0120189 | 1 | 0.998012379 | 0 | 1 |
|------------|---|-------------|---|---|
| GO:0120192 | 1 | 0.991960935 | 0 | 4 |
| GO:0120193 | 1 | 0.990018517 | 0 | 5 |
| GO:0120197 | 1 | 0.991952966 | 0 | 4 |
| GO:0120199 | 1 | 0.99183905 | 0 | 4 |
| GO:0120200 | 1 | 0.99006336 | 0 | 5 |
| GO:0120206 | 1 | 0.99409559 | 0 | 3 |
| GO:0120211 | 1 | 0.99799465 | 0 | 1 |
| GO:0120212 | 1 | 0.997990564 | 0 | 1 |
| GO:0120219 | 1 | 0.998013437 | 0 | 1 |
| GO:0120220 | 1 | 0.997977264 | 0 | 1 |
| GO:0120222 | 1 | 0.991999831 | 0 | 4 |
| GO:0120223 | 1 | 0.995978555 | 0 | 2 |
| GO:0120225 | 1 | 0.995996063 | 0 | 2 |
| GO:0120229 | 1 | 0.997971467 | 0 | 1 |
| GO:0120234 | 1 | 0.998013437 | 0 | 1 |
| GO:0120241 | 1 | 0.997990564 | 0 | 1 |
| GO:0120242 | 1 | 0.997990564 | 0 | 1 |
| GO:0120243 | 1 | 0.997990564 | 0 | 1 |
| GO:0120249 | 1 | 0.99798686 | 0 | 1 |
| GO:0120259 | 1 | 0.993996873 | 0 | 3 |
| GO:0120293 | 1 | 0.966254265 | 0 | 17 |
| GO:0120294 | 1 | 0.997992902 | 0 | 1 |
| GO:0120295 | 1 | 0.997992902 | 0 | 1 |
| GO:0120296 | 1 | 0.997992902 | 0 | 1 |
| GO:0120297 | 1 | 0.997992902 | 0 | 1 |
| GO:0120298 | 1 | 0.997992902 | 0 | 1 |
| GO:0120299 | 1 | 0.997992902 | 0 | 1 |
| GO:0120301 | 1 | 0.998013437 | 0 | 1 |
| GO:0140007 | 1 | 0.989966769 | 0 | 5 |
| GO:0140009 | 1 | 0.992019195 | 0 | 4 |
| GO:0140010 | 1 | 0.998004621 | 0 | 1 |
| GO:0140013 | 1 | 0.998013407 | 0 | 1 |
| GO:0140014 | 1 | 0.993996691 | 0 | 3 |
| GO:0140018 | 1 | 0.997990564 | 0 | 1 |
| GO:0140021 | 1 | 0.989940812 | 0 | 5 |
| GO:0140030 | 1 | 0.991989467 | 0 | 4 |
| GO:0140031 | 1 | 0.990033415 | 0 | 5 |
| GO:0140036 | 1 | 0.984059668 | 0 | 8 |
| GO:0140037 | 1 | 0.995985138 | 0 | 2 |
| GO:0140039 | 1 | 0.996011176 | 0 | 2 |
| GO:0140041 | 1 | 0.997958946 | 0 | 1 |
| GO:0140042 | 1 | 0.978039941 | 0 | 11 |
| GO:0140052 | 1 | 0.980146845 | 0 | 10 |
| GO:0140056 | 1 | 0.99402527 | 0 | 3 |
| ID   | GO:0140058  | Value 1 | 0.990097961 | 0 | 5 |
|------|-------------|---------|-------------|---|---|
| ID   | GO:0140059  | Value 1 | 0.98799727  | 0 | 6 |
| ID   | GO:0140065  | Value 1 | 0.998013437 | 0 | 1 |
| ID   | GO:0140066  | Value 1 | 0.998013437 | 0 | 1 |
| ID   | GO:0140067  | Value 1 | 0.998013437 | 0 | 1 |
| ID   | GO:0140068  | Value 1 | 0.998013437 | 0 | 1 |
| ID   | GO:0140069  | Value 1 | 0.998013437 | 0 | 1 |
| ID   | GO:0140074  | Value 1 | 0.998013437 | 0 | 1 |
| ID   | GO:0140078  | Value 1 | 0.985910482 | 0 | 7 |
| ID   | GO:0140081  | Value 1 | 0.995983833 | 0 | 2 |
| ID   | GO:0140090  | Value 1 | 0.993979663 | 0 | 3 |
| ID   | GO:0140105  | Value 1 | 0.99799063  | 0 | 1 |
| ID   | GO:0140112  | Value 1 | 0.995983833 | 0 | 2 |
| ID   | GO:0140115  | Value 1 | 0.982198811 | 0 | 9 |
| ID   | GO:0140157  | Value 1 | 0.994050319 | 0 | 3 |
| ID   | GO:0140161  | Value 1 | 0.997998802 | 0 | 1 |
| ID   | GO:0140194  | Value 1 | 0.997967045 | 0 | 1 |
| ID   | GO:0140199  | Value 1 | 0.994016428 | 0 | 3 |
| ID   | GO:0140206  | Value 1 | 0.990032781 | 0 | 5 |
| ID   | GO:0140207  | Value 1 | 0.997996551 | 0 | 1 |
| ID   | GO:0140212  | Value 1 | 0.997990564 | 0 | 1 |
| ID   | GO:0140214  | Value 1 | 0.997962172 | 0 | 1 |
| ID   | GO:0140223  | Value 1 | 0.991929238 | 0 | 4 |
| ID   | GO:0140253  | Value 1 | 0.998009829 | 0 | 1 |
| ID   | GO:0140260  | Value 1 | 0.997990564 | 0 | 1 |
| ID   | GO:0140261  | Value 1 | 0.998013437 | 0 | 1 |
| ID   | GO:0140262  | Value 1 | 0.99199797  | 0 | 4 |
| ID   | GO:0140268  | Value 1 | 0.980172173 | 0 | 10 |
| ID   | GO:0140272  | Value 1 | 0.997982756 | 0 | 1 |
| ID   | GO:0140275  | Value 1 | 0.974092143 | 0 | 13 |
| ID   | GO:0140284  | Value 1 | 0.991998104 | 0 | 4 |
| ID   | GO:0140285  | Value 1 | 0.994021322 | 0 | 3 |
| ID   | GO:0140289  | Value 1 | 0.976244194 | 0 | 12 |
| ID   | GO:0140290  | Value 1 | 0.997990564 | 0 | 1 |
| ID   | GO:0140291  | Value 1 | 0.993979663 | 0 | 3 |
| ID   | GO:0140292  | Value 1 | 0.997990564 | 0 | 1 |
| ID   | GO:0140293  | Value 1 | 0.993979663 | 0 | 3 |
| ID   | GO:0140294  | Value 1 | 0.993980418 | 0 | 3 |
| ID   | GO:0140296  | Value 1 | 0.997963315 | 0 | 1 |
| ID   | GO:0140297  | Value 1 | 0.982087845 | 0 | 9 |
| ID   | GO:0140298  | Value 1 | 0.997992848 | 0 | 1 |
| ID   | GO:0140300  | Value 1 | 0.993989677 | 0 | 3 |
| ID   | GO:0140311  | Value 1 | 0.991995987 | 0 | 4 |
| ID   | GO:0140312  | Value 1 | 0.990071594 | 0 | 5 |
| ID   | GO:0140318  | Value 1 | 0.987999672 | 0 | 6 |
| GO ID   | Description | Value1 | Value2 | Value3 | Value4 |
|---------|-------------|--------|--------|--------|--------|
| GO:0140326 | 1 | 0.960974124 | 0 | 20 |
| GO:0140327 | 1 | 0.996030731 | 0 | 2 |
| GO:0140328 | 1 | 0.992056906 | 0 | 4 |
| GO:0140329 | 1 | 0.99781704 | 0 | 1 |
| GO:0140331 | 1 | 0.986169474 | 0 | 7 |
| GO:0140333 | 1 | 0.99793071 | 0 | 1 |
| GO:0140338 | 1 | 0.995970357 | 0 | 2 |
| GO:0140339 | 1 | 0.99793071 | 0 | 1 |
| GO:0140343 | 1 | 0.996021569 | 0 | 2 |
| GO:0140344 | 1 | 0.998008498 | 0 | 1 |
| GO:0140345 | 1 | 0.990096401 | 0 | 5 |
| GO:0140346 | 1 | 0.990105203 | 0 | 5 |
| GO:0140347 | 1 | 0.998013437 | 0 | 1 |
| GO:0140348 | 1 | 0.997981704 | 0 | 1 |
| GO:0140351 | 1 | 0.994051684 | 0 | 3 |
| GO:0140359 | 1 | 0.992057324 | 0 | 4 |
| GO:0140360 | 1 | 0.996006125 | 0 | 2 |
| GO:0140361 | 1 | 0.99204201 | 0 | 4 |
| GO:0140412 | 1 | 0.997997916 | 0 | 1 |
| GO:0140416 | 1 | 0.970108115 | 0 | 15 |
| GO:0140439 | 1 | 0.986077166 | 0 | 7 |
| GO:0140444 | 1 | 0.990067626 | 0 | 5 |
| GO:0140447 | 1 | 0.99596549 | 0 | 2 |
| GO:0140448 | 1 | 0.997961681 | 0 | 1 |
| GO:0140450 | 1 | 0.998013437 | 0 | 1 |
| GO:0140467 | 1 | 0.99184299 | 0 | 4 |
| GO:0140468 | 1 | 0.993973804 | 0 | 3 |
| GO:0140469 | 1 | 0.9960223 | 0 | 2 |
| GO:0140493 | 1 | 0.998013437 | 0 | 1 |
| GO:0140507 | 1 | 0.993934998 | 0 | 3 |
| GO:0140517 | 1 | 0.998010902 | 0 | 1 |
| GO:0140536 | 1 | 0.99799889 | 0 | 1 |
| GO:0140537 | 1 | 0.993996216 | 0 | 3 |
| GO:0140552 | 1 | 0.994019739 | 0 | 3 |
| GO:0140554 | 1 | 0.997990564 | 0 | 1 |
| GO:0140560 | 1 | 0.997990564 | 0 | 1 |
| GO:0140561 | 1 | 0.993983524 | 0 | 3 |
| GO:0140562 | 1 | 0.993983524 | 0 | 3 |
| GO:0140563 | 1 | 0.995988045 | 0 | 2 |
| GO:0140567 | 1 | 0.996005251 | 0 | 2 |
| GO:0140569 | 1 | 0.998006373 | 0 | 1 |
| GO:0140570 | 1 | 0.997994972 | 0 | 1 |
| GO:0140571 | 1 | 0.993976229 | 0 | 3 |
| GO:0140575 | 1 | 0.993979825 | 0 | 3 |
| Term ID | GO: Term ID | Value | Number of GOS | Description |
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| 15644   | GO:0140581  | 1     | 0.996030731   | 0            |
| 15645   | GO:0140585  | 1     | 0.997969824   | 0            |
| 15646   | GO:0140591  | 1     | 0.997990564   | 0            |
| 15647   | GO:0140597  | 1     | 0.998003224   | 0            |
| 15648   | GO:0150001  | 1     | 0.996030727   | 0            |
| 15649   | GO:0150002  | 1     | 0.996021927   | 0            |
| 15650   | GO:0150003  | 1     | 0.992010242   | 0            |
| 15651   | GO:0150007  | 1     | 0.994007455   | 0            |
| 15652   | GO:0150011  | 1     | 0.988062764   | 0            |
| 15653   | GO:0150012  | 1     | 0.984158415   | 0            |
| 15654   | GO:0150013  | 1     | 0.998013437   | 0            |
| 15655   | GO:0150014  | 1     | 0.998013433   | 0            |
| 15656   | GO:0150018  | 1     | 0.997986391   | 0            |
| 15657   | GO:0150019  | 1     | 0.998012321   | 0            |
| 15658   | GO:0150020  | 1     | 0.994023817   | 0            |
| 15659   | GO:0150024  | 1     | 0.997979792   | 0            |
| 15660   | GO:0150025  | 1     | 0.997979792   | 0            |
| 15661   | GO:0150032  | 1     | 0.995973848   | 0            |
| 15662   | GO:0150033  | 1     | 0.998013437   | 0            |
| 15663   | GO:0150034  | 1     | 0.994022798   | 0            |
| 15664   | GO:0150051  | 1     | 0.998013437   | 0            |
| 15665   | GO:0150056  | 1     | 0.995965613   | 0            |
| 15666   | GO:0150057  | 1     | 0.995963138   | 0            |
| 15667   | GO:0150058  | 1     | 0.998003243   | 0            |
| 15668   | GO:0150062  | 1     | 0.993998452   | 0            |
| 15669   | GO:0150064  | 1     | 0.996029252   | 0            |
| 15670   | GO:0150072  | 1     | 0.997982708   | 0            |
| 15671   | GO:0150074  | 1     | 0.995977234   | 0            |
| 15672   | GO:0150076  | 1     | 0.995978683   | 0            |
| 15673   | GO:0150077  | 1     | 0.97806155    | 0            |
| 15674   | GO:0150078  | 1     | 0.983885313   | 0            |
| 15675   | GO:0150079  | 1     | 0.990002213   | 0            |
| 15676   | GO:0150090  | 1     | 0.997997106   | 0            |
| 15677   | GO:0150093  | 1     | 0.986030097   | 0            |
| 15678   | GO:0150094  | 1     | 0.98614114    | 0            |
| 15679   | GO:0150098  | 1     | 0.998004011   | 0            |
| 15680   | GO:0150099  | 1     | 0.992011646   | 0            |
| 15681   | GO:0150101  | 1     | 0.998013437   | 0            |
| 15682   | GO:0150102  | 1     | 0.995949756   | 0            |
| 15683   | GO:0150103  | 1     | 0.998005048   | 0            |
| 15684   | GO:0150104  | 1     | 0.855485989   | 0            |
| 15685   | GO:0150105  | 1     | 0.984191648   | 0            |
| 15686   | GO:0150106  | 1     | 0.997997716   | 0            |
| 15687   | GO:0150107  | 1     | 0.997966837   | 0            |
| GeneID | GO ID     | FDR   | Q value | Total |
|--------|-----------|-------|---------|-------|
| 15734  | GO:1900079| 1     | 0.997977002 | 0     | 1     |
| 15735  | GO:1900082| 1     | 0.998013437 | 0     | 1     |
| 15736  | GO:1900085| 1     | 0.997989294 | 0     | 1     |
| 15737  | GO:1900086| 1     | 0.990047631 | 0     | 5     |
| 15738  | GO:1900087| 1     | 0.947202158 | 0     | 27    |
| 15739  | GO:1900095| 1     | 0.998013437 | 0     | 1     |
| 15740  | GO:1900099| 1     | 0.998013437 | 0     | 1     |
| 15741  | GO:1900100| 1     | 0.995951546 | 0     | 2     |
| 15742  | GO:1900101| 1     | 0.997990564 | 0     | 1     |
| 15743  | GO:1900102| 1     | 0.993968348 | 0     | 3     |
| 15744  | GO:1900103| 1     | 0.989974297 | 0     | 5     |
| 15745  | GO:1900106| 1     | 0.993987593 | 0     | 3     |
| 15746  | GO:1900107| 1     | 0.99782195  | 0     | 1     |
| 15747  | GO:1900108| 1     | 0.99398949  | 0     | 3     |
| 15748  | GO:1900110| 1     | 0.995942527 | 0     | 2     |
| 15749  | GO:1900112| 1     | 0.996007756 | 0     | 2     |
| 15750  | GO:1900113| 1     | 0.988021899 | 0     | 6     |
| 15751  | GO:1900114| 1     | 0.994032296 | 0     | 3     |
| 15752  | GO:1900116| 1     | 0.995957759 | 0     | 2     |
| 15753  | GO:1900118| 1     | 0.984002498 | 0     | 8     |
| 15754  | GO:1900119| 1     | 0.982089307 | 0     | 9     |
| 15755  | GO:1900120| 1     | 0.998006617 | 0     | 1     |
| 15756  | GO:1900121| 1     | 0.984087087 | 0     | 8     |
| 15757  | GO:1900122| 1     | 0.98801002  | 0     | 6     |
| 15758  | GO:1900125| 1     | 0.998013267 | 0     | 1     |
| 15759  | GO:1900126| 1     | 0.994039764 | 0     | 3     |
| 15760  | GO:1900127| 1     | 0.992035485 | 0     | 4     |
| 15761  | GO:1900131| 1     | 0.99594889  | 0     | 2     |
| 15762  | GO:1900134| 1     | 0.98005521  | 0     | 1     |
| 15763  | GO:1900135| 1     | 0.995987455 | 0     | 2     |
| 15764  | GO:1900138| 1     | 0.991962169 | 0     | 4     |
| 15765  | GO:1900139| 1     | 0.996007429 | 0     | 2     |
| 15766  | GO:1900142| 1     | 0.997986735 | 0     | 1     |
| 15767  | GO:1900143| 1     | 0.998013437 | 0     | 1     |
| 15768  | GO:1900148| 1     | 0.997990564 | 0     | 1     |
| 15769  | GO:1900149| 1     | 0.998013437 | 0     | 1     |
| 15770  | GO:1900153| 1     | 0.972297148 | 0     | 14    |
| 15771  | GO:1900155| 1     | 0.995986023 | 0     | 2     |
| 15772  | GO:1900158| 1     | 0.994001622 | 0     | 3     |
| 15773  | GO:1900159| 1     | 0.997984615 | 0     | 1     |
| 15774  | GO:1900163| 1     | 0.997991137 | 0     | 1     |
| 15775  | GO:1900164| 1     | 0.995960555 | 0     | 2     |
| 15776  | GO:1900168| 1     | 0.994004246 | 0     | 3     |
| 15777  | GO:1900175| 1     | 0.997971213 | 0     | 1     |
| 15778  | GO:1900176| 1     | 0.99797398  | 0     | 1     |
| ID     | GO             | Value | Type | ID     | GO             | Value | Type | ID     | GO             | Value | Type |
|--------|----------------|-------|------|--------|----------------|-------|------|--------|----------------|-------|------|
| 15779  | GO:1900180     | 1     | 0.982022656 | 0     | 9    |
| 15780  | GO:1900181     | 1     | 0.962658073  | 0     | 19   |
| 15781  | GO:1900182     | 1     | 0.937748717  | 0     | 32   |
| 15782  | GO:1900186     | 1     | 0.98998707   | 0     | 5    |
| 15783  | GO:1900194     | 1     | 0.993955901  | 0     | 3    |
| 15784  | GO:1900195     | 1     | 0.9939837    | 0     | 3    |
| 15785  | GO:1900208     | 1     | 0.995940968  | 0     | 2    |
| 15786  | GO:1900210     | 1     | 0.995946034  | 0     | 2    |
| 15787  | GO:1900212     | 1     | 0.998006243  | 0     | 1    |
| 15788  | GO:1900215     | 1     | 0.998006243  | 0     | 1    |
| 15789  | GO:1900218     | 1     | 0.998006243  | 0     | 1    |
| 15790  | GO:1900220     | 1     | 0.996028617  | 0     | 2    |
| 15791  | GO:1900221     | 1     | 0.99394799   | 0     | 3    |
| 15792  | GO:1900222     | 1     | 0.986012041  | 0     | 7    |
| 15793  | GO:1900223     | 1     | 0.987995672  | 0     | 6    |
| 15794  | GO:1900224     | 1     | 0.998013437  | 0     | 1    |
| 15795  | GO:1900225     | 1     | 0.997989859  | 0     | 1    |
| 15796  | GO:1900226     | 1     | 0.99401744   | 0     | 3    |
| 15797  | GO:1900227     | 1     | 0.982125102  | 0     | 9    |
| 15798  | GO:1900229     | 1     | 0.995979137  | 0     | 2    |
| 15799  | GO:1900235     | 1     | 0.998013364  | 0     | 1    |
| 15800  | GO:1900242     | 1     | 0.976238649  | 0     | 12   |
| 15801  | GO:1900243     | 1     | 0.998013246  | 0     | 1    |
| 15802  | GO:1900244     | 1     | 0.982115205  | 0     | 9    |
| 15805  | GO:1900248     | 1     | 0.996030717  | 0     | 2    |
| 15806  | GO:1900260     | 1     | 0.997976824  | 0     | 1    |
| 15807  | GO:1900264     | 1     | 0.981953444  | 0     | 9    |
| 15808  | GO:1900271     | 1     | 0.978091045  | 0     | 11   |
| 15809  | GO:1900272     | 1     | 0.978138003  | 0     | 11   |
| 15810  | GO:1900273     | 1     | 0.960745154  | 0     | 20   |
| 15811  | GO:1900275     | 1     | 0.996018183  | 0     | 2    |
| 15812  | GO:1900276     | 1     | 0.998000872  | 0     | 1    |
| 15813  | GO:1900280     | 1     | 0.997970959  | 0     | 1    |
| 15814  | GO:1900281     | 1     | 0.998001552  | 0     | 1    |
| 15815  | GO:1900363     | 1     | 0.997998642  | 0     | 1    |
| 15816  | GO:1900364     | 1     | 0.984112229  | 0     | 8    |
| 15817  | GO:1900365     | 1     | 0.992025237  | 0     | 4    |
| 15818  | GO:1900369     | 1     | 0.998013437  | 0     | 1    |
| 15819  | GO:1900370     | 1     | 0.998013354  | 0     | 1    |
| 15820  | GO:1900383     | 1     | 0.99799835   | 0     | 1    |
| 15821  | GO:1900407     | 1     | 0.984087593  | 0     | 8    |
| 15822  | GO:1900408     | 1     | 0.996028464  | 0     | 2    |
| 15823  | GO:1900424     | 1     | 0.996019673  | 0     | 2    |
| 15824  | GO:1900425     | 1     | 0.987896737  | 0     | 6    |
| 15825  | GO:1900426     | 1     | 0.991924395  | 0     | 4    |
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|---------|--------------|--------|--------|--------|--------|
| 15826   | GO:1900449   | 1      | 0.993972529 | 0      | 3      |
| 15827   | GO:1900450   | 1      | 0.997998423  | 0      | 1      |
| 15828   | GO:1900451   | 1      | 0.995989274  | 0      | 2      |
| 15829   | GO:1900452   | 1      | 0.992055983  | 0      | 4      |
| 15830   | GO:1900453   | 1      | 0.993981118  | 0      | 3      |
| 15831   | GO:1900454   | 1      | 0.996022217  | 0      | 2      |
| 15832   | GO:1900477   | 1      | 0.997979891  | 0      | 1      |
| 15833   | GO:1900480   | 1      | 0.997990123  | 0      | 1      |
| 15834   | GO:1900535   | 1      | 0.997990564  | 0      | 1      |
| 15835   | GO:1900542   | 1      | 0.9979656    | 0      | 2      |
| 15836   | GO:1900542   | 1      | 0.994036284  | 0      | 3      |
| 15837   | GO:1900721   | 1      | 0.998012907  | 0      | 1      |
| 15838   | GO:1900737   | 1      | 0.998000872  | 0      | 1      |
| 15839   | GO:1900738   | 1      | 0.995946055  | 0      | 2      |
| 15840   | GO:1900740   | 1      | 0.950870029  | 0      | 25     |
| 15841   | GO:1900744   | 1      | 0.988051456  | 0      | 6      |
| 15842   | GO:1900745   | 1      | 0.948962641  | 0      | 26     |
| 15843   | GO:1900746   | 1      | 0.99193725   | 0      | 4      |
| 15844   | GO:1900747   | 1      | 0.980081229  | 0      | 10     |
| 15845   | GO:1900748   | 1      | 0.988097754  | 0      | 6      |
| 15846   | GO:1900753   | 1      | 0.998010375  | 0      | 1      |
| 15847   | GO:1900824   | 1      | 0.995971644  | 0      | 2      |
| 15848   | GO:1900827   | 1      | 0.998013437  | 0      | 1      |
| 15849   | GO:1900924   | 1      | 0.995968606  | 0      | 2      |
| 15850   | GO:1901003   | 1      | 0.997990564  | 0      | 1      |
| 15851   | GO:1901006   | 1      | 0.9979656    | 0      | 1      |
| 15852   | GO:1901016   | 1      | 0.988064392  | 0      | 6      |
| 15853   | GO:1901017   | 1      | 0.98809066   | 0      | 6      |
| 15854   | GO:1901018   | 1      | 0.990018161  | 0      | 5      |
| 15855   | GO:1901019   | 1      | 0.998013437  | 0      | 1      |
| 15856   | GO:1901020   | 1      | 0.9959861    | 0      | 2      |
| 15857   | GO:1901021   | 1      | 0.998013437  | 0      | 1      |
| 15858   | GO:1901028   | 1      | 0.995968021  | 0      | 2      |
| 15859   | GO:1901029   | 1      | 0.981983537  | 0      | 9      |
| 15860   | GO:1901030   | 1      | 0.978009418  | 0      | 11     |
| 15861   | GO:1901031   | 1      | 0.993982539  | 0      | 3      |
| 15862   | GO:1901052   | 1      | 0.997961622  | 0      | 1      |
| 15863   | GO:1901053   | 1      | 0.997990042  | 0      | 1      |
| 15864   | GO:1901074   | 1      | 0.997989518  | 0      | 1      |
| 15865   | GO:1901076   | 1      | 0.995978683  | 0      | 2      |
| 15866   | GO:1901077   | 1      | 0.99797867   | 0      | 1      |
| 15867   | GO:1901081   | 1      | 0.997990564  | 0      | 1      |
| 15868   | GO:1901086   | 1      | 0.998013026  | 0      | 1      |
| 15869   | GO:1901096   | 1      | 0.994007776  | 0      | 3      |
| 15870   | GO:1901097   | 1      | 0.990018007  | 0      | 5      |
| GO:1901098          | 1         | 0.988049203 | 0 | 6 |
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| GO:1901128          | 1         | 0.997982764 | 0 | 1 |
| GO:1901135          | 1         | 0.996012088 | 0 | 2 |
| GO:1901136          | 1         | 0.997977617 | 0 | 1 |
| GO:1901137          | 1         | 0.996012088 | 0 | 2 |
| GO:1901142          | 1         | 0.993985068 | 0 | 3 |
| GO:1901143          | 1         | 0.998013138 | 0 | 1 |
| GO:1901163          | 1         | 0.989949763 | 0 | 5 |
| GO:1901165          | 1         | 0.986008833 | 0 | 7 |
| GO:1901166          | 1         | 0.99006748  | 0 | 5 |
| GO:1901184          | 1         | 0.998013437 | 0 | 1 |
| GO:1901185          | 1         | 0.988049136 | 0 | 6 |
| GO:1901186          | 1         | 0.997984402 | 0 | 1 |
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| GO:1901189          | 1         | 0.997984402 | 0 | 1 |
| GO:1901194          | 1         | 0.997962779 | 0 | 1 |
| GO:1901201          | 1         | 0.992029722 | 0 | 4 |
| GO:1901202          | 1         | 0.997984299 | 0 | 1 |
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| GO:1901207          | 1         | 0.998007329 | 0 | 1 |
| GO:1901208          | 1         | 0.998000023 | 0 | 1 |
| GO:1901211          | 1         | 0.998000023 | 0 | 1 |
| GO:1901214          | 1         | 0.960577094 | 0 | 20|
| GO:1901215          | 1         | 0.893268815 | 0 | 56|
| GO:1901216          | 1         | 0.924696283 | 0 | 39|
| GO:1901222          | 1         | 0.970158518 | 0 | 15|
| GO:1901223          | 1         | 0.950988817 | 0 | 25|
| GO:1901224          | 1         | 0.875374667 | 0 | 66|
| GO:1901227          | 1         | 0.997962211 | 0 | 1 |
| GO:1901228          | 1         | 0.997962211 | 0 | 1 |
| GO:1901231          | 1         | 0.997988044 | 0 | 1 |
| GO:1901233          | 1         | 0.997988044 | 0 | 1 |
| GO:1901235          | 1         | 0.997998598 | 0 | 1 |
| GO:1901248          | 1         | 0.997988743 | 0 | 1 |
| GO:1901253          | 1         | 0.997959046 | 0 | 1 |
| GO:1901254          | 1         | 0.99801048  | 0 | 1 |
| GO:1901255          | 1         | 0.995988788 | 0 | 2 |
| GO:1901256          | 1         | 0.998002548 | 0 | 1 |
| GO:1901258          | 1         | 0.997989921 | 0 | 1 |
| GO:1901264          | 1         | 0.995960442 | 0 | 2 |
| GO:1901291          | 1         | 0.997977171 | 0 | 1 |
| GO:1901292          | 1         | 0.997978935 | 0 | 1 |
| GO:1901296          | 1         | 0.997975268 | 0 | 1 |
| GO:1901297          | 1         | 0.997984402 | 0 | 1 |
| GO:1901299 | 1 | 0.995996114 | 0 | 2 |
| GO:1901300 | 1 | 0.991986603 | 0 | 4 |
| GO:1901301 | 1 | 0.998011696 | 0 | 1 |
| GO:1901303 | 1 | 0.99789952 | 0 | 1 |
| GO:1901307 | 1 | 0.997973416 | 0 | 1 |
| GO:1901310 | 1 | 0.997983538 | 0 | 1 |
| GO:1901315 | 1 | 0.992041496 | 0 | 4 |
| GO:1901317 | 1 | 0.995950728 | 0 | 2 |
| GO:1901318 | 1 | 0.993970402 | 0 | 3 |
| GO:1901329 | 1 | 0.997975784 | 0 | 1 |
| GO:1901331 | 1 | 0.997996836 | 0 | 1 |
| GO:1901339 | 1 | 0.997996708 | 0 | 1 |
| GO:1901340 | 1 | 0.99800873 | 0 | 1 |
| GO:1901341 | 1 | 0.997977969 | 0 | 1 |
| GO:1901342 | 1 | 0.995973148 | 0 | 2 |
| GO:1901346 | 1 | 0.997982468 | 0 | 1 |
| GO:1901355 | 1 | 0.995969202 | 0 | 2 |
| GO:1901360 | 1 | 0.997997382 | 0 | 1 |
| GO:1901363 | 1 | 0.993951656 | 0 | 3 |
| GO:1901373 | 1 | 0.997968397 | 0 | 1 |
| GO:1901374 | 1 | 0.997976127 | 0 | 1 |
| GO:1901379 | 1 | 0.968381542 | 0 | 16 |
| GO:1901380 | 1 | 0.980150821 | 0 | 10 |
| GO:1901381 | 1 | 0.935902334 | 0 | 33 |
| GO:1901382 | 1 | 0.996005511 | 0 | 2 |
| GO:1901383 | 1 | 0.998013437 | 0 | 1 |
| GO:1901385 | 1 | 0.98408664 | 0 | 8 |
| GO:1901386 | 1 | 0.9840273 | 0 | 8 |
| GO:1901387 | 1 | 0.983981993 | 0 | 8 |
| GO:1901388 | 1 | 0.990073667 | 0 | 5 |
| GO:1901389 | 1 | 0.997987328 | 0 | 1 |
| GO:1901390 | 1 | 0.998001633 | 0 | 1 |
| GO:1901394 | 1 | 0.998009214 | 0 | 1 |
| GO:1901398 | 1 | 0.998009699 | 0 | 1 |
| GO:1901407 | 1 | 0.99600287 | 0 | 2 |
| GO:1901423 | 1 | 0.997962143 | 0 | 1 |
| GO:1901474 | 1 | 0.995969534 | 0 | 2 |
| GO:1901475 | 1 | 0.995981428 | 0 | 2 |
| GO:1901480 | 1 | 0.991981263 | 0 | 4 |
| GO:1901485 | 1 | 0.994006633 | 0 | 3 |
| GO:1901491 | 1 | 0.99403313 | 0 | 3 |
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| ID   | GO:1901797 | 1   | 0.990011809  | 0   | 5   |
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| ID   | GO:1901800 | 1   | 0.966262378  | 0   | 17  |
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| ID   | GO:1901837 | 1   | 0.99197925   | 0   | 4   |
| ID   | GO:1901838 | 1   | 0.980102363  | 0   | 10  |
| ID   | GO:1901841 | 1   | 0.988020121  | 0   | 6   |
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| ID   | GO:1901860 | 1   | 0.998013437  | 0   | 1   |
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| ID   | GO:1901877 | 1   | 0.995987277  | 0   | 2   |
| ID   | GO:1901888 | 1   | 0.986105402  | 0   | 7   |
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| GO:1901953 |             | 1     | 0.996013933 | 0      | 2   |
| GO:1901962 |             | 1     | 0.997982324 | 0        | 1    |
| GO:1901964 |             | 1     | 0.997974922 | 0        | 1    |
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| GO:1902003 |             | 1     | 0.996026143 | 0        | 2    |
| GO:1902004 |             | 1     | 0.96837949  | 0        | 16   |
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| GO:1902017 |             | 1     | 0.962448322 | 0        | 19   |
| GO:1902018 |             | 1     | 0.978134275 | 0        | 11   |
| GO:1902023 |             | 1     | 0.998006135 | 0        | 1    |
| GO:1902031 |             | 1     | 0.996015095 | 0        | 2    |
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| GO:1902042 |             | 1     | 0.935699218 | 0        | 33   |
| GO:1902043 |             | 1     | 0.980155852 | 0        | 10   |
| GO:1902044 |             | 1     | 0.996013178 | 0        | 2    |
| GO:1902045 |             | 1     | 0.997984362 | 0        | 1    |
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| GO:1902064 |             | 1     | 0.998003127 | 0        | 1    |
| GO:1902065 |             | 1     | 0.98797577  | 0        | 6    |
| GO:1902070 | 1 | 0.99796964 | 0 | 1 |
| GO:1902073 | 1 | 0.997963732 | 0 | 1 |
| GO:1902074 | 1 | 0.989962603 | 0 | 5 |
| GO:1902078 | 1 | 0.998013437 | 0 | 1 |
| GO:1902081 | 1 | 0.97990564 | 0 | 1 |
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| GO:1902153 | 1 | 0.998013437 | 0 | 1 |
| GO:1902164 | 1 | 0.993926676 | 0 | 3 |
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| ID     | GO:1902261 | 1     | 0.992038971 | 0 | 4 |
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| ID     | GO:1902275 | 1     | 0.984138582 | 0 | 8 |
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| ID     | GO:1902310 | 1     | 0.997984742 | 0 | 1 |
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| ID     | GO:1902356 | 1     | 0.991950994 | 0 | 4 |
| ID     | GO:1902358 | 1     | 0.968398426 | 0 | 16|
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| ID     | GO:1902367 | 1     | 0.995973741 | 0 | 2 |
| ID     | GO:1902369 | 1     | 0.997990564 | 0 | 1 |
| ID     | GO:1902373 | 1     | 0.994027041 | 0 | 3 |
| ID     | GO:1902378 | 1     | 0.997986391 | 0 | 1 |
| ID     | GO:1902379 | 1     | 0.995971199 | 0 | 2 |
| ID     | GO:1902380 | 1     | 0.997985419 | 0 | 1 |
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|   | GO:1902437 |   | 1 | 0.996030731 | 0 | 2 |
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| GO:1902532 | 1 | 0.995973677 | 0 | 2 |
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| GO:1902925  | 1  | 0.997992724 | 0  | 1 |
| GO:1902926  | 1  | 0.997992724 | 0  | 1 |
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| GO:1902947  | 1  | 0.997992724 | 0  | 1 |
| GO:1902948  | 1  | 0.997992724 | 0  | 1 |
| GO:1902949  | 1  | 0.997992724 | 0  | 1 |
| GO:1902950  | 1  | 0.997992724 | 0  | 1 |
| GO:1902951  | 1  | 0.997992724 | 0  | 1 |
| GO:1902952  | 1  | 0.997992724 | 0  | 1 |
| GO:1902953  | 1  | 0.997992724 | 0  | 1 |
| GO:1902954  | 1  | 0.997992724 | 0  | 1 |
| GO:1902955  | 1  | 0.997992724 | 0  | 1 |
| GO:1902956  | 1  | 0.997992724 | 0  | 1 |
| GO:1902957  | 1  | 0.997992724 | 0  | 1 |
| GO:1902958  | 1  | 0.997992724 | 0  | 1 |
| GO:1902959  | 1  | 0.997992724 | 0  | 1 |
| GO          | Description | Value 1 | Value 2 | Value 3 |
|-------------|-------------|---------|---------|---------|
| GO:1902992  |             | 0.994004161 | 0 | 3 |
| GO:1902993  |             | 0.992059657 | 0 | 4 |
| GO:1902995  |             | 0.991972575 | 0 | 4 |
| GO:1902997  |             | 0.998013437 | 0 | 1 |
| GO:1902998  |             | 0.997991997 | 0 | 1 |
| GO:1903002  |             | 0.997963771 | 0 | 1 |
| GO:1903003  |             | 0.99184148  | 0 | 4 |
| GO:1903006  |             | 0.996000723 | 0 | 2 |
| GO:1903007  |             | 0.998006243 | 0 | 1 |
| GO:1903008  |             | 0.995985913 | 0 | 2 |
| GO:1903010  |             | 0.994027989 | 0 | 3 |
| GO:1903011  |             | 0.99797739  | 0 | 1 |
| GO:1903012  |             | 0.993967705 | 0 | 3 |
| GO:1903020  |             | 0.995968876 | 0 | 2 |
| GO:1903025  |             | 0.992045184 | 0 | 4 |
| GO:1903026  |             | 0.989922411 | 0 | 5 |
| GO:1903027  |             | 0.995945881 | 0 | 2 |
| GO:1903028  |             | 0.998013437 | 0 | 1 |
| GO:1903033  |             | 0.995968968 | 0 | 2 |
| GO:1903034  |             | 0.997972205 | 0 | 1 |
| GO:1903036  |             | 0.998013437 | 0 | 1 |
| GO:1903037  |             | 0.996030731 | 0 | 2 |
| GO:1903038  |             | 0.988057339 | 0 | 6 |
| GO:1903039  |             | 0.98897188  | 0 | 5 |
| GO:1903043  |             | 0.997995673 | 0 | 1 |
| GO:1903044  |             | 0.99396239  | 0 | 3 |
| GO:1903045  |             | 0.998013432 | 0 | 1 |
| GO:1903049  |             | 0.997991757 | 0 | 1 |
| GO:1903051  |             | 0.995987798 | 0 | 2 |
| GO:1903052  |             | 0.991990133 | 0 | 4 |
| GO:1903053  |             | 0.994017126 | 0 | 3 |
| GO:1903054  |             | 0.997991284 | 0 | 1 |
| GO:1903055  |             | 0.994015439 | 0 | 3 |
| GO:1903056  |             | 0.998013437 | 0 | 1 |
| GO:1903059  |             | 0.998006383 | 0 | 1 |
| GO:1903060  |             | 0.997954992 | 0 | 1 |
| GO:1903061  |             | 0.992002615 | 0 | 4 |
| GO:1903064  |             | 0.998013437 | 0 | 1 |
| GO:1903069  |             | 0.997981486 | 0 | 1 |
| GO:1903070  |             | 0.997972033 | 0 | 3 |
| GO:1903071  |             | 0.984010327 | 0 | 8 |
| GO:1903073  |             | 0.997958946 | 0 | 1 |
| GO:1903078  |             | 0.897237904 | 0 | 54 |
| GO:1903082  |             | 0.997961288 | 0 | 1 |
| GO:1903093  |             | 0.998013437 | 0 | 1 |
| Gene    | GO:ID | Count | Predicted | Predicted Prob | 0.01  | 0.05  | 0.1   |
|---------|-------|-------|-----------|----------------|-------|-------|-------|
|         | GO:1903094 | 1     | 0.995928947 | 0              |       |       | 2     |
|         | GO:1903096 | 1     | 0.997994857  | 0              |       |       | 1     |
|         | GO:1903100 | 1     | 0.998013437  | 0              |       |       | 1     |
|         | GO:1903108 | 1     | 0.99599847   | 0              |       |       | 2     |
|         | GO:1903109 | 1     | 0.995970881  | 0              |       |       | 2     |
|         | GO:1903118 | 1     | 0.997984505  | 0              |       |       | 1     |
|         | GO:1903119 | 1     | 0.998008048  | 0              |       |       | 1     |
|         | GO:1903122 | 1     | 0.997958946  | 0              |       |       | 1     |
|         | GO:1903125 | 1     | 0.998013437  | 0              |       |       | 1     |
|         | GO:1903126 | 1     | 0.99780789   | 0              |       |       | 1     |
|         | GO:1903135 | 1     | 0.991960883  | 0              |       |       | 4     |
|         | GO:1903136 | 1     | 0.98589869   | 0              |       |       | 7     |
|         | GO:1903140 | 1     | 0.98213091   | 0              |       |       | 9     |
|         | GO:1903141 | 1     | 0.996015149  | 0              |       |       | 2     |
|         | GO:1903142 | 1     | 0.988043927  | 0              |       |       | 6     |
|         | GO:1903143 | 1     | 0.99572769   | 0              |       |       | 2     |
|         | GO:1903146 | 1     | 0.968414356  | 0              |       |       | 16    |
|         | GO:1903147 | 1     | 0.99548584   | 0              |       |       | 2     |
|         | GO:1903168 | 1     | 0.997958946  | 0              |       |       | 1     |
|         | GO:1903169 | 1     | 0.986023536  | 0              |       |       | 7     |
|         | GO:1903170 | 1     | 0.996007858  | 0              |       |       | 2     |
|         | GO:1903178 | 1     | 0.997958946  | 0              |       |       | 1     |
|         | GO:1903181 | 1     | 0.997958946  | 0              |       |       | 1     |
|         | GO:1903189 | 1     | 0.997958946  | 0              |       |       | 1     |
|         | GO:1903190 | 1     | 0.997958946  | 0              |       |       | 1     |
|         | GO:1903197 | 1     | 0.997958946  | 0              |       |       | 1     |
|         | GO:1903200 | 1     | 0.997958946  | 0              |       |       | 1     |
|         | GO:1903202 | 1     | 0.99194235   | 0              |       |       | 4     |
|         | GO:1903203 | 1     | 0.996018929  | 0              |       |       | 2     |
|         | GO:1903204 | 1     | 0.976216361  | 0              |       |       | 12    |
|         | GO:1903205 | 1     | 0.997990564  | 0              |       |       | 1     |
|         | GO:1903206 | 1     | 0.983986237  | 0              |       |       | 8     |
|         | GO:1903208 | 1     | 0.989952626  | 0              |       |       | 5     |
|         | GO:1903209 | 1     | 0.995950902  | 0              |       |       | 2     |
|         | GO:1903214 | 1     | 0.985996829  | 0              |       |       | 7     |
|         | GO:1903215 | 1     | 0.988022469  | 0              |       |       | 6     |
|         | GO:1903217 | 1     | 0.995980987  | 0              |       |       | 2     |
|         | GO:1903223 | 1     | 0.994042256  | 0              |       |       | 3     |
|         | GO:1903225 | 1     | 0.996030731  | 0              |       |       | 2     |
|         | GO:1903226 | 1     | 0.997990564  | 0              |       |       | 1     |
|         | GO:1903231 | 1     | 0.973704448  | 0              |       |       | 13    |
|         | GO:1903232 | 1     | 0.987941733  | 0              |       |       | 6     |
|         | GO:1903233 | 1     | 0.996030064  | 0              |       |       | 2     |
|         | GO:1903235 | 1     | 0.99801243   | 0              |       |       | 1     |
|         | GO:1903236 | 1     | 0.998013437  | 0              |       |       | 1     |
|   | GO:1903237 |   | 0.995918697 |   | 2 |
|---|-------------|---|-------------|---|---|
|   | GO:1903238 |   | 0.988071841 |   | 6 |
|   | GO:1903241 |   | 0.993989384 |   | 3 |
|   | GO:1903243 |   | 0.986047321 |   | 7 |
|   | GO:1903244 |   | 0.99595725  |   | 2 |
|   | GO:1903249 |   | 0.998013437 |   | 1 |
|   | GO:1903251 |   | 0.98995125  |   | 5 |
|   | GO:1903259 |   | 0.997990564 |   | 1 |
|   | GO:1903265 |   | 0.978073622 |   | 11|
|   | GO:1903278 |   | 0.991926892 |   | 4 |
|   | GO:1903280 |   | 0.99801392  |   | 1 |
|   | GO:1903281 |   | 0.99592061  |   | 2 |
|   | GO:1903284 |   | 0.99796934  |   | 1 |
|   | GO:1903285 |   | 0.996012788 |   | 2 |
|   | GO:1903286 |   | 0.998012926 |   | 1 |
|   | GO:1903288 |   | 0.986083414 |   | 7 |
|   | GO:1903292 |   | 0.993966932 |   | 3 |
|   | GO:1903296 |   | 0.996023549 |   | 2 |
|   | GO:1903298 |   | 0.989978809 |   | 5 |
|   | GO:1903301 |   | 0.997990564 |   | 1 |
|   | GO:1903302 |   | 0.997979364 |   | 1 |
|   | GO:1903305 |   | 0.996018435 |   | 2 |
|   | GO:1903307 |   | 0.989988103 |   | 5 |
|   | GO:1903319 |   | 0.997992848 |   | 1 |
|   | GO:1903334 |   | 0.995983213 |   | 2 |
|   | GO:1903343 |   | 0.998013437 |   | 1 |
|   | GO:1903347 |   | 0.992030024 |   | 4 |
|   | GO:1903348 |   | 0.98801317  |   | 6 |
|   | GO:1903350 |   | 0.997990564 |   | 1 |
|   | GO:1903351 |   | 0.972299788 |   | 14|
|   | GO:1903352 |   | 0.996030731 |   | 2 |
|   | GO:1903358 |   | 0.974242853 |   | 13|
|   | GO:1903361 |   | 0.987963535 |   | 6 |
|   | GO:1903362 |   | 0.998011771 |   | 1 |
|   | GO:1903363 |   | 0.989974662 |   | 5 |
|   | GO:1903364 |   | 0.97230651  |   | 14|
|   | GO:1903371 |   | 0.996000269 |   | 2 |
|   | GO:1903373 |   | 0.992023097 |   | 4 |
|   | GO:1903375 |   | 0.99402484  |   | 3 |
|   | GO:1903376 |   | 0.998007582 |   | 1 |
|   | GO:1903377 |   | 0.99197642  |   | 4 |
|   | GO:1903378 |   | 0.996014878 |   | 2 |
|   | GO:1903382 |   | 0.996005942 |   | 2 |
|   | GO:1903384 |   | 0.995952103 |   | 2 |
|   | GO:1903385 |   | 0.995995809 |   | 2 |
| GO       | Score   | Fold Change | p Value | q Value |
|----------|---------|-------------|---------|---------|
| GO:1903526 | 0.996018204 | 2           | 0       | 1       |
| GO:1903527 | 0.9900778  | 5           | 0       | 1       |
| GO:1903531 | 0.995941004 | 2           | 0       | 1       |
| GO:1903533 | 0.99782676  | 1           | 0       | 1       |
| GO:1903538 | 0.997911687 | 1           | 0       | 1       |
| GO:1903539 | 0.994042588 | 3           | 0       | 1       |
| GO:1903540 | 0.997971277 | 1           | 0       | 1       |
| GO:1903542 | 0.992009961 | 4           | 0       | 1       |
| GO:1903543 | 0.972203596 | 14          | 0       | 1       |
| GO:1903545 | 0.998000558 | 1           | 0       | 1       |
| GO:1903546 | 0.990010855 | 5           | 0       | 1       |
| GO:1903547 | 0.997958626 | 3           | 0       | 1       |
| GO:1903548 | 0.997970594 | 52          | 0       | 1       |
| GO:1903551 | 0.993989763 | 3           | 0       | 1       |
| GO:1903552 | 0.99200475  | 4           | 0       | 1       |
| GO:1903553 | 0.99796324  | 1           | 0       | 1       |
| GO:1903554 | 0.99604237  | 2           | 0       | 1       |
| GO:1903555 | 0.992038638 | 4           | 0       | 1       |
| GO:1903556 | 0.998000348 | 1           | 0       | 1       |
| GO:1903557 | 0.997942223 | 6           | 0       | 1       |
| GO:1903558 | 0.991933528 | 4           | 0       | 1       |
| GO:1903559 | 0.997979743 | 1           | 0       | 1       |
| GO:1903560 | 0.995985075 | 2           | 0       | 1       |
| GO:1903561 | 0.996005882 | 2           | 0       | 1       |
| GO:1903562 | 0.995914498 | 2           | 0       | 1       |
| GO:1903563 | 0.998013437 | 1           | 0       | 1       |
| GO:1903564 | 0.998001964 | 1           | 0       | 1       |
| GO:1903565 | 0.998004348 | 4           | 0       | 1       |
| GO:1903566 | 0.998000348 | 1           | 0       | 1       |
| GO:1903567 | 0.998000348 | 1           | 0       | 1       |
| GO:1903568 | 0.998000348 | 1           | 0       | 1       |
| GO:1903569 | 0.998000348 | 1           | 0       | 1       |
| GO:1903570 | 0.998000348 | 1           | 0       | 1       |
| GO:1903571 | 0.998000348 | 1           | 0       | 1       |
| GO:1903572 | 0.998000348 | 1           | 0       | 1       |
| GO:1903573 | 0.998000348 | 1           | 0       | 1       |
| GO:1903574 | 0.998000348 | 1           | 0       | 1       |
| GO:1903575 | 0.998000348 | 1           | 0       | 1       |
| GO:1903576 | 0.998000348 | 1           | 0       | 1       |
| GO:1903577 | 0.998000348 | 1           | 0       | 1       |
| GO:1903578 | 0.998000348 | 1           | 0       | 1       |
| GO:1903579 | 0.998000348 | 1           | 0       | 1       |
| GO:1903580 | 0.998000348 | 1           | 0       | 1       |
| GO:1903581 | 0.998000348 | 1           | 0       | 1       |
| GO:1903582 | 0.998000348 | 1           | 0       | 1       |
| GO:1903583 | 0.998000348 | 1           | 0       | 1       |
| GO:1903584 | 0.998000348 | 1           | 0       | 1       |
| GO:1903585 | 0.998000348 | 1           | 0       | 1       |
| GO:1903586 | 0.998000348 | 1           | 0       | 1       |
| GO:1903587 | 0.998000348 | 1           | 0       | 1       |
| GO:1903588 | 0.998000348 | 1           | 0       | 1       |
| GO:1903589 | 0.998000348 | 1           | 0       | 1       |
| GO ID   | Description | Count | Confidence | Annotation Count |
|---------|-------------|-------|------------|------------------|
| GO:1903762 |             | 1     | 0.996022218 | 2                |
| GO:1903763 |             | 1     | 0.991965853 | 4                |
| GO:1903764 |             | 1     | 0.998012926 | 1                |
| GO:1903765 |             | 1     | 0.993995034 | 3                |
| GO:1903766 |             | 1     | 0.99600158  | 2                |
| GO:1903767 |             | 1     | 0.997987546 | 1                |
| GO:1903768 |             | 1     | 0.997992817 | 1                |
| GO:1903769 |             | 1     | 0.997991842 | 1                |
| GO:1903770 |             | 1     | 0.997964467 | 0                |
| GO:1903771 |             | 1     | 0.997954469 | 3                |
| GO:1903772 |             | 1     | 0.9979419   | 1                |
| GO:1903773 |             | 1     | 0.998013437 | 1                |
| GO:1903774 |             | 1     | 0.998007892 | 1                |
| GO:1903775 |             | 1     | 0.998013437 | 0                |
| GO:1903776 |             | 1     | 0.997968918 | 0                |
| GO:1903777 |             | 1     | 0.998007892 | 1                |
| GO:1903778 |             | 1     | 0.980163221 | 10               |
| GO:1903779 |             | 1     | 0.98004383  | 10               |
| GO:1903780 |             | 1     | 0.994009977 | 0                |
| GO:1903781 |             | 1     | 0.997977382 | 0                |
| GO:1903782 |             | 1     | 0.997997701 | 0                |
| GO:1903783 |             | 1     | 0.998013349 | 0                |
| GO:1903784 |             | 1     | 0.998013437 | 1                |
| GO:1903785 |             | 1     | 0.982118505 | 0                |
| GO:1903786 |             | 1     | 0.997992817 | 1                |
| GO:1903787 |             | 1     | 0.992023032 | 0                |
| GO:1903788 |             | 1     | 0.996007903 | 0                |
| GO:1903789 |             | 1     | 0.970425042 | 0                |
| GO:1903790 |             | 1     | 0.998008675 | 0                |
| GO:1903791 |             | 1     | 0.986139131 | 7                |
| GO:1903792 |             | 1     | 0.970363942 | 0                |
| GO:1903793 |             | 1     | 0.997986219 | 0                |
| GO:1903794 |             | 1     | 0.996001019 | 2                |
| GO:1903795 |             | 1     | 0.994002258 | 0                |
| GO:1903796 |             | 1     | 0.997977936 | 0                |
| GO:1903797 |             | 1     | 0.9979419   | 1                |
| GO:1903798 |             | 1     | 0.998013437 | 0                |
| GO:1903799 |             | 1     | 0.982118505 | 0                |
| GO              | Value | Score  | Count | Name      |
|-----------------|-------|--------|-------|-----------|
| GO:1903988      | 1     | 0.997999682 | 0     | GO:1903988 |
| GO:1903996      | 1     | 0.99796953  | 0     | GO:1903996 |
| GO:1903997      | 1     | 0.986056432 | 0     | GO:1903997 |
| GO:1903999      | 1     | 0.991968802 | 0     | GO:1903999 |
| GO:1904000      | 1     | 0.993992533 | 0     | GO:1904000 |
| GO:1904003      | 1     | 0.998001633 | 0     | GO:1904003 |
| GO:1904009      | 1     | 0.97968079  | 0     | GO:1904009 |
| GO:1904010      | 1     | 0.997968079 | 0     | GO:1904010 |
| GO:1904015      | 1     | 0.997992902 | 0     | GO:1904015 |
| GO:1904016      | 1     | 0.995994686 | 0     | GO:1904016 |
| GO:1904017      | 1     | 0.96030731  | 0     | GO:1904017 |
| GO:1904019      | 1     | 0.998013437 | 0     | GO:1904019 |
| GO:1904021      | 1     | 0.995976351 | 0     | GO:1904021 |
| GO:1904022      | 1     | 0.995992197 | 0     | GO:1904022 |
| GO:1904024      | 1     | 0.99399799  | 0     | GO:1904024 |
| GO:1904026      | 1     | 0.995991108 | 0     | GO:1904026 |
| GO:1904027      | 1     | 0.995997959 | 0     | GO:1904027 |
| GO:1904028      | 1     | 0.993993452 | 0     | GO:1904028 |
| GO:1904030      | 1     | 0.991949747 | 0     | GO:1904030 |
| GO:1904031      | 1     | 0.992002281 | 0     | GO:1904031 |
| GO:1904036      | 1     | 0.985959034 | 0     | GO:1904036 |
| GO:1904037      | 1     | 0.992038906 | 0     | GO:1904037 |
| GO:1904042      | 1     | 0.97998773  | 0     | GO:1904042 |
| GO:1904044      | 1     | 0.99194543  | 0     | GO:1904044 |
| GO:1904045      | 1     | 0.993983908 | 0     | GO:1904045 |
| GO:1904046      | 1     | 0.993902601 | 0     | GO:1904046 |
| GO:1904047      | 1     | 0.968250959 | 0     | GO:1904047 |
| GO:1904049      | 1     | 0.996007903 | 0     | GO:1904049 |
| GO:1904050      | 1     | 0.998011417 | 0     | GO:1904050 |
| GO:1904054      | 1     | 0.998013437 | 0     | GO:1904054 |
| GO:1904056      | 1     | 0.995987093 | 0     | GO:1904056 |
| GO:1904057      | 1     | 0.995966752 | 0     | GO:1904057 |
| GO:1904058      | 1     | 0.985980703 | 0     | GO:1904058 |
| GO:1904059      | 1     | 0.99403705  | 0     | GO:1904059 |
| GO:1904062      | 1     | 0.996030731 | 0     | GO:1904062 |
| GO:1904064      | 1     | 0.997980447 | 0     | GO:1904064 |
| GO:1904071      | 1     | 0.994051875 | 0     | GO:1904071 |
| GO:1904075      | 1     | 0.998013437 | 0     | GO:1904075 |
| GO:1904093      | 1     | 0.995947871 | 0     | GO:1904093 |
| GO:1904100      | 1     | 0.993993864 | 0     | GO:1904100 |
| GO:1904105      | 1     | 0.995954828 | 0     | GO:1904105 |
| GO:1904106      | 1     | 0.995987478 | 0     | GO:1904106 |
| GO:1904109      | 1     | 0.998013437 | 0     | GO:1904109 |
| GO:1904115      | 1     | 0.88290281  | 0     | GO:1904115 |
| GO:1904117      | 1     | 0.994015285 | 0     | GO:1904117 |
16781 GO:1904120 1 0.997996052 0 1
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16787 GO:1904151 1 0.995986378 0 2
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16789 GO:1904153 1 0.982060717 0 9
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16791 GO:1904155 1 0.96016353 0 2
16792 GO:1904156 1 0.99799503 0 1
16793 GO:1904158 1 0.989973 0 5
16794 GO:1904161 1 0.995977392 0 2
16795 GO:1904172 1 0.996012787 0 2
16796 GO:1904177 1 0.97990564 0 1
16797 GO:1904178 1 0.97972367 0 1
16798 GO:1904179 1 0.92005649 0 4
16799 GO:1904182 1 0.997963596 0 1
16800 GO:1904184 1 0.996019145 0 2
16801 GO:1904188 1 0.97987927 0 1
16802 GO:1904193 1 0.98013437 0 1
16803 GO:1904197 1 0.98013437 0 1
16804 GO:1904199 1 0.98008236 0 1
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16806 GO:1904205 1 0.98013437 0 1
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16808 GO:1904211 1 0.99599165 0 2
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16810 GO:1904219 1 0.99396456 0 3
16811 GO:1904220 1 0.997990564 0 1
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16815 GO:1904227 1 0.997981631 0 1
16816 GO:1904231 1 0.996007903 0 2
16817 GO:1904234 1 0.995980103 0 2
16818 GO:1904237 1 0.994026464 0 3
16819 GO:1904238 1 0.99800715 0 1
16820 GO:1904240 1 0.997967742 0 1
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16822 GO:1904247 1 0.997995551 0 1
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16825 GO:1904261 1 0.990105641 0 5
| GO       | Q-value | p-value | Kc      | k | ID     |
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| GO:1904262 | 0.970280358 | 0       | 15      |   | 16826  |
| GO:1904263 | 0.964435359 | 0       | 18      |   | 16827  |
| GO:1904268 | 0.998013437 | 0       | 1       |   | 16828  |
| GO:1904270 | 0.995975292 | 0       | 2       |   | 16829  |
| GO:1904271 | 0.996003399 | 0       | 2       |   | 16830  |
| GO:1904273 | 0.994008605 | 0       | 3       |   | 16831  |
| GO:1904274 | 0.997982243 | 0       | 1       |   | 16832  |
| GO:1904283 | 0.997990564 | 0       | 1       |   | 16836  |
| GO:1904290 | 0.99801134  | 0       | 1       |   | 16835  |
| GO:1904291 | 0.998013378 | 0       | 1       |   | 16834  |
| GO:1904272 | 0.997996934 | 0       | 1       |   | 16837  |
| GO:1904273 | 0.997996934 | 0       | 1       |   | 16838  |
| GO:1904274 | 0.994008605 | 0       | 3       |   | 16839  |
| GO:1904275 | 0.996026123 | 0       | 2       |   | 16840  |
| GO:1904276 | 0.99600882  | 0       | 1       |   | 16841  |
| GO:1904277 | 0.99600882  | 0       | 1       |   | 16842  |
| GO:1904278 | 0.99800725  | 0       | 25      |   | 16843  |
| GO:1904279 | 0.99800882  | 0       | 1       |   | 16844  |
| GO:1904280 | 0.99800882  | 0       | 1       |   | 16845  |
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| GO:1904283 | 0.99800882  | 0       | 1       |   | 16848  |
| GO:1904284 | 0.99800882  | 0       | 1       |   | 16849  |
| GO:1904285 | 0.99800882  | 0       | 1       |   | 16850  |
| GO:1904286 | 0.99800882  | 0       | 1       |   | 16851  |
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| GO:1904291 | 0.99800882  | 0       | 1       |   | 16856  |
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| GO:1904294 | 0.998013437 | 0       | 2       |   | 16859  |
| GO:1904295 | 0.998013437 | 0       | 2       |   | 16860  |
| GO:1904296 | 0.998013437 | 0       | 2       |   | 16861  |
| GO:1904297 | 0.998013437 | 0       | 2       |   | 16862  |
| GO:1904298 | 0.998013437 | 0       | 2       |   | 16863  |
| GO:1904299 | 0.998013437 | 0       | 2       |   | 16864  |
| GO:1904300 | 0.998013437 | 0       | 2       |   | 16865  |
| GO:1904301 | 0.998013437 | 0       | 2       |   | 16866  |
| GO:1904302 | 0.998013437 | 0       | 2       |   | 16867  |
| GO:1904303 | 0.998013437 | 0       | 2       |   | 16868  |
| GO:1904304 | 0.998013437 | 0       | 2       |   | 16869  |
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| ID       | GO:1904389  |   | 0.997970686 |   | 1  |
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| ID       | GO:1904394  |   | 0.997984062 |   | 1  |
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| ID       | GO:1904399  |   | 0.993924033 |   | 3  |
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| ID       | GO:1904425  |   | 0.99401699 |   | 3  |
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| ID       | GO:1904431  |   | 0.991994368 |   | 4  |
| ID       | GO:1904434  |   | 0.99594715 |   | 2  |
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| ID       | GO:1904439  |   | 0.99796271 |   | 1  |
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| ID       | GO:1904450  |   | 0.996030001 |   | 2  |
| ID       | GO:1904456  |   | 0.997976434 |   | 1  |
| ID       | GO:1904457  |   | 0.99798512 |   | 1  |
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| ID       | GO:1904465  |   | 0.995960787 |   | 2  |
| ID       | GO:1904466  |   | 0.993998223 |   | 3  |
| ID       | GO:1904472  |   | 0.997966894 |   | 1  |
| ID       | GO:1904478  |   | 0.998013437 |   | 1  |
| ID       | GO:1904479  |   | 0.997948513 |   | 1  |
| ID       | GO:1904482  |   | 0.997985984 |   | 1  |
| ID       | GO:1904486  |   | 0.994010071 |   | 3  |
| ID       | GO:1904491  |   | 0.98598253 |   | 7  |
| ID       | GO:1904492  |   | 0.997988199 |   | 1  |
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| ID       | GO:1904504  |   | 0.990023347 |   | 5  |
| ID     | Gene ID | Value   | Count | #matches |
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| 16916  | GO:1904506 | 0.998011553 | 0 | 1 |
| 16917  | GO:1904515  | 0.996016817 | 0 | 2 |
| 16918  | GO:1904526 | 0.994009799 | 0 | 3 |
| 16919  | GO:1904527 | 0.996030719 | 0 | 2 |
| 16920  | GO:1904528 | 0.99198378 | 0 | 4 |
| 16921  | GO:1904530 | 0.997995893 | 0 | 1 |
| 16922  | GO:1904531 | 0.99801343 | 0 | 1 |
| 16923  | GO:1904535 | 0.998013553 | 0 | 1 |
| 16924  | GO:1904539 | 0.998012817 | 0 | 1 |
| 16925  | GO:1904544 | 0.997995893 | 0 | 1 |
| 16926  | GO:1904550 | 0.997979727 | 0 | 1 |
| 16927  | GO:19045556 | 0.99601462 | 0 | 2 |
| 16928  | GO:1904557 | 0.997978603 | 0 | 1 |
| 16929  | GO:1904562 | 0.996030731 | 0 | 2 |
| 16930  | GO:1904566 | 0.997996302 | 0 | 1 |
| 16931  | GO:1904568 | 0.997994528 | 0 | 1 |
| 16932  | GO:1904570 | 0.997974172 | 0 | 1 |
| 16933  | GO:1904574 | 0.997974172 | 0 | 1 |
| 16934  | GO:1904577 | 0.997972635 | 0 | 1 |
| 16935  | GO:1904579 | 0.995970379 | 0 | 2 |
| 16936  | GO:1904582 | 0.99398383 | 0 | 3 |
| 16937  | GO:1904586 | 0.995969629 | 0 | 2 |
| 16938  | GO:1904588 | 0.997965083 | 0 | 1 |
| 16939  | GO:1904589 | 0.997979166 | 0 | 1 |
| 16940  | GO:1904591 | 0.998013401 | 0 | 1 |
| 16941  | GO:1904597 | 0.995982027 | 0 | 2 |
| 16942  | GO:1904602 | 0.995962052 | 0 | 2 |
| 16943  | GO:1904612 | 0.998005815 | 0 | 1 |
| 16944  | GO:1904613 | 0.996026623 | 0 | 2 |
| 16945  | GO:1904616 | 0.99793148 | 0 | 1 |
| 16946  | GO:1904620 | 0.997984457 | 0 | 1 |
| 16947  | GO:1904628 | 0.989970269 | 0 | 5 |
| 16948  | GO:1904631 | 0.997982524 | 0 | 1 |
| 16949  | GO:1904635 | 0.996030257 | 0 | 2 |
| 16950  | GO:1904637 | 0.991968605 | 0 | 4 |
| 16951  | GO:1904639 | 0.998013437 | 0 | 1 |
| 16952  | GO:1904640 | 0.998013437 | 0 | 1 |
| 16953  | GO:1904643 | 0.998013437 | 0 | 1 |
| 16954  | GO:1904645 | 0.974179875 | 0 | 13 |
| 16955  | GO:1904646 | 0.924690802 | 0 | 39 |
| 16956  | GO:1904647 | 0.998013437 | 0 | 1 |
| 16957  | GO:1904649 | 0.997976578 | 0 | 1 |
| 16958  | GO:1904651 | 0.99800656 | 0 | 1 |
| 16959  | GO:1904659 | 0.962506453 | 0 | 19 |
| 16960  | GO:1904666 | 0.996003149 | 0 | 2 |
| ID     | GO          | Value1 | Value2 | Value3 | Value4 |
|--------|-------------|--------|--------|--------|--------|
| 16961  | GO:1904667  | 1      | 0.973869782 | 0     | 13     |
| 16962  | GO:1904668  | 1      | 0.974191811 | 0     | 13     |
| 16963  | GO:1904669  | 1      | 0.994026465 | 0     | 3      |
| 16964  | GO:1904672  | 1      | 0.993978552 | 0     | 3      |
| 16965  | GO:1904674  | 1      | 0.996009098 | 0     | 2      |
| 16966  | GO:1904677  | 1      | 0.97993389  | 0     | 1      |
| 16967  | GO:1904679  | 1      | 0.998013437 | 0     | 1      |
| 16968  | GO:1904680  | 1      | 0.994025418 | 0     | 3      |
| 16969  | GO:1904681  | 1      | 0.99798965  | 0     | 1      |
| 16970  | GO:1904684  | 1      | 0.996028044 | 0     | 2      |
| 16971  | GO:1904685  | 1      | 0.993949565 | 0     | 3      |
| 16972  | GO:1904690  | 1      | 0.998013437 | 0     | 1      |
| 16973  | GO:1904691  | 1      | 0.995942698 | 0     | 2      |
| 16974  | GO:1904692  | 1      | 0.998003624 | 0     | 1      |
| 16975  | GO:1904693  | 1      | 0.994036832 | 0     | 3      |
| 16976  | GO:1904694  | 1      | 0.99402909  | 0     | 3      |
| 16977  | GO:1904695  | 1      | 0.995971621 | 0     | 2      |
| 16978  | GO:1904702  | 1      | 0.998013359 | 0     | 1      |
| 16979  | GO:1904706  | 1      | 0.956669514 | 0     | 22     |
| 16980  | GO:1904707  | 1      | 0.932182169 | 0     | 35     |
| 16981  | GO:1904708  | 1      | 0.997988168 | 0     | 1      |
| 16982  | GO:1904710  | 1      | 0.997962143 | 0     | 1      |
| 16983  | GO:1904713  | 1      | 0.996007903 | 0     | 2      |
| 16984  | GO:1904714  | 1      | 0.989993383 | 0     | 5      |
| 16985  | GO:1904715  | 1      | 0.993968849 | 0     | 3      |
| 16986  | GO:1904716  | 1      | 0.997984536 | 0     | 1      |
| 16987  | GO:1904717  | 1      | 0.994051875 | 0     | 3      |
| 16988  | GO:1904719  | 1      | 0.995997445 | 0     | 2      |
| 16989  | GO:1904723  | 1      | 0.997975268 | 0     | 1      |
| 16990  | GO:1904724  | 1      | 0.903662953 | 0     | 50     |
| 16991  | GO:1904733  | 1      | 0.997990564 | 0     | 1      |
| 16992  | GO:1904736  | 1      | 0.997990564 | 0     | 1      |
| 16993  | GO:1904738  | 1      | 0.998012245 | 0     | 1      |
| 16994  | GO:1904743  | 1      | 0.998013437 | 0     | 1      |
| 16995  | GO:1904744  | 1      | 0.997961248 | 0     | 1      |
| 16996  | GO:1904749  | 1      | 0.993993256 | 0     | 3      |
| 16997  | GO:1904750  | 1      | 0.998013437 | 0     | 1      |
| 16998  | GO:1904751  | 1      | 0.989942488 | 0     | 5      |
| 16999  | GO:1904753  | 1      | 0.984106323 | 0     | 8      |
| 17000  | GO:1904754  | 1      | 0.966617978 | 0     | 17     |
| 17001  | GO:1904761  | 1      | 0.992042195 | 0     | 4      |
| 17002  | GO:1904762  | 1      | 0.998007582 | 0     | 1      |
| 17003  | GO:1904764  | 1      | 0.997979166 | 0     | 1      |
| 17004  | GO:1904766  | 1      | 0.998013437 | 0     | 1      |
| 17005  | GO:1904768  | 1      | 0.993965731 | 0     | 3      |
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| 17008| GO:1904777 | 0.997990564 | 1     |      |
| 17009| GO:1904778 | 0.99061193 | 5     |      |
| 17010| GO:1904779 | 0.997985356 | 1     |      |
| 17011| GO:1904780 | 0.996019275 | 2     |      |
| 17012| GO:1904781 | 0.986100001 | 7     |      |
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| 17015| GO:1904784 | 0.998013399 | 1     |      |
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| 17020| GO:1904800 | 0.99800714 | 1     |      |
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| 17022| GO:1904808 | 0.995985075 | 2     |      |
| 17023| GO:1904812 | 0.998007125 | 1     |      |
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| 17032| GO:1904837 | 0.943516554 | 29    |      |
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| 17035| GO:1904843 | 0.997981211 | 1     |      |
| 17036| GO:1904844 | 0.997986438 | 1     |      |
| 17037| GO:1904845 | 0.99395731 | 3     |      |
| 17038| GO:1904850 | 0.997993366 | 1     |      |
| 17039| GO:1904851 | 0.980011287 | 10    |      |
| 17040| GO:1904854 | 0.99799724 | 1     |      |
| 17041| GO:1904855 | 0.997965944 | 1     |      |
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| 17045| GO:1904867 | 0.997976203 | 1     |      |
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| 17047| GO:1904872 | 0.992011046 | 4     |      |
| 17048| GO:1904874 | 0.970091492 | 15    |      |
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| 17050| GO:1904877 | 0.99798048 | 1     |      |
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| GO:1904886 | 1 | 0.962595970 | 0 | 19 |
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| GO:1904925 | 1 | 0.990003486 | 0 | 5 |
| GO:1904928 | 1 | 0.994048919 | 0 | 3 |
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| GO:1904996      | 1          | 0.978083263  | 0 | 11    |
| GO:1904997      | 1          | 0.997997419  | 0 | 1     |
| GO:1904998      | 1          | 0.997993311  | 0 | 1     |
| GO:1904999      | 1          | 0.995964399  | 0 | 2     |
| GO:1905000      | 1          | 0.998013437  | 0 | 1     |
| GO:1905006      | 1          | 0.995993843  | 0 | 2     |
| GO:1905007      | 1          | 0.990067562  | 0 | 5     |
| GO:1905010      | 1          | 0.997987857  | 0 | 1     |
| GO:1905025      | 1          | 0.997995384  | 0 | 1     |
| GO:1905030      | 1          | 0.996030612  | 0 | 2     |
| GO:1905031      | 1          | 0.998013437  | 0 | 1     |
| GO:1905035      | 1          | 0.997993265  | 0 | 1     |
| GO:1905037      | 1          | 0.994017863  | 0 | 3     |
| GO:1905039      | 1          | 0.982155229  | 0 | 9     |
| GO:1905040      | 1          | 0.997986391  | 0 | 1     |
| GO:1905041      | 1          | 0.998013437  | 0 | 1     |
| GO:1905042      | 1          | 0.997982548  | 0 | 1     |
| GO:1905045      | 1          | 0.997990564  | 0 | 1     |
| GO:1905048      | 1          | 0.997990564  | 0 | 1     |
| GO:1905049      | 1          | 0.993987519  | 0 | 3     |
| GO:1905050      | 1          | 0.991914618  | 0 | 4     |
| GO:1905053      | 1          | 0.995935819  | 0 | 2     |
| GO:1905056      | 1          | 0.994051875  | 0 | 3     |
| GO:1905059      | 1          | 0.998013437  | 0 | 1     |
| GO:1905060      | 1          | 0.994051339  | 0 | 3     |
| GO:1905062      | 1          | 0.997989859  | 0 | 1     |
| GO:1905064      | 1          | 0.990048753  | 0 | 5     |
| GO:1905065      | 1          | 0.996013519  | 0 | 2     |
| GO:1905069      | 1          | 0.998007874  | 0 | 1     |
| GO:1905072      | 1          | 0.994020578  | 0 | 3     |
| GO:1905075      | 1          | 0.994035153  | 0 | 3     |
| GO:1905090      | 1          | 0.998013437  | 0 | 1     |
| GO:1905098      | 1          | 0.992000992  | 0 | 4     |
| GO:1905103      | 1          | 0.980161468  | 0 | 10    |
| GO:1905111      | 1          | 0.997941649  | 0 | 1     |
| GO:1905114      | 1          | 0.994033578  | 0 | 3     |
| GO:1905116      | 1          | 0.997964949  | 0 | 1     |
| GO:1905123      | 1          | 0.996023722  | 0 | 2     |
| GO:1905128      | 1          | 0.998013437  | 0 | 1     |
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| GO:1905143      | 1          | 0.99797085   | 0 | 1     |
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| GO:1905302 | 1 | 0.998011417 | 0 | 1 |
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| GO:1905305 | 1 | 0.998013437 | 0 | 1 |
| GO:1905312 | 1 | 0.994007709 | 0 | 3 |
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| GO:1905460 | 1 | 0.996030659 | 0 | 2 |
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| GO:1905477 | 1 | 0.988008639 | 0 | 6 |
| GO:1905492 | 1 | 0.998002516 | 0 | 1 |
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| GO:1905526 | 1 | 0.997982067 | 0 | 1 |
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| GO:1905553 | 1 | 0.997966837 | 0 | 1 |
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| GO:1905563 | 1 | 0.990009639 | 0 | 5 |
| GO:1905564 | 1 | 0.970388933 | 0 | 15 |
| GO:1905572 | 1 | 0.997991842 | 0 | 1 |
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| GO:1905576 | 1 | 0.995972975 | 0 | 2 |
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| ID      | GO Identifier | Value 1 | Value 2 | Value 3 | Value 4 | Value 5 |
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| 17277   | GO:1905584    | 1       | 0.998003793  | 0 | 1 |
| 17278   | GO:1905589    | 1       | 0.997987857  | 0 | 1 |
| 17279   | GO:1905590    | 1       | 0.99796355   | 0 | 1 |
| 17280   | GO:1905594    | 1       | 0.997963052  | 0 | 1 |
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| 17284   | GO:1905599    | 1       | 0.991930593  | 0 | 4 |
| 17285   | GO:1905601    | 1       | 0.993970528  | 0 | 3 |
| 17286   | GO:1905602    | 1       | 0.995969738  | 0 | 2 |
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| 17289   | GO:1905606    | 1       | 0.953079268  | 0 | 24 |
| 17290   | GO:1905609    | 1       | 0.997978736  | 0 | 1 |
| 17291   | GO:1905612    | 1       | 0.998013232  | 0 | 1 |
| 17292   | GO:1905618    | 1       | 0.986089849  | 0 | 7 |
| 17293   | GO:1905634    | 1       | 0.994044709  | 0 | 3 |
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| 17303   | GO:1905667    | 1       | 0.998006721  | 0 | 1 |
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| 17312   | GO:1905696    | 1       | 0.998013232  | 0 | 1 |
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| GO:1905716 | 1 | 0.997987297 | 0 | 1 |
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| GO:1905762 | 1 | 0.99585075 | 0 | 2 |
| GO:1905765 | 1 | 0.99404742 | 0 | 3 |
| GO:1905768 | 1 | 0.998013437 | 0 | 1 |
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| 17488  | GO:1990414| 1     | 0.986044935 | 0    | 7     |
| 17489  | GO:1990416| 1     | 0.980202136 | 0    | 10    |
| 17490  | GO:1990418| 1     | 0.993971957 | 0    | 3     |
| 17491  | GO:1990422| 1     | 0.997958946 | 0    | 1     |
| 17492  | GO:1990423| 1     | 0.994015825 | 0    | 3     |
| 17493  | GO:1990425| 1     | 0.994004033 | 0    | 3     |
| 17494  | GO:1990426| 1     | 0.995999878 | 0    | 2     |
| 17495  | GO:1990428| 1     | 0.99398536  | 0    | 3     |
| 17496  | GO:1990429| 1     | 0.993989872 | 0    | 3     |
| 17497  | GO:1990430| 1     | 0.994026006 | 0    | 3     |
| 17498  | GO:1990435| 1     | 0.998013437 | 0    | 1     |
| 17499  | GO:1990438| 1     | 0.99798234  | 0    | 1     |
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| ID   | GO:1990440 | 1 | 0.978050779 | 0 | 11 |
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| 17507| GO:1990447 | 1 | 0.99542904  | 0 | 2  |
| 17508| GO:1990448 | 1 | 0.998013437 | 0 | 1  |
| 17509| GO:1990450 | 1 | 0.997980087 | 0 | 1  |
| 17510| GO:1990451 | 1 | 0.997986031 | 0 | 1  |
| 17511| GO:1990452 | 1 | 0.994004839 | 0 | 3  |
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| 17514| GO:1990459 | 1 | 0.980081448 | 0 | 10 |
| 17515| GO:1990460 | 1 | 0.992004612 | 0 | 4  |
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| 17517| GO:1990466 | 1 | 0.998011212 | 0 | 1  |
| 17518| GO:1990467 | 1 | 0.997981065 | 0 | 1  |
| 17519| GO:1990468 | 1 | 0.997981065 | 0 | 1  |
| 17520| GO:1990478 | 1 | 0.99797487  | 0 | 1  |
| 17521| GO:1990481 | 1 | 0.985966598 | 0 | 7  |
| 17522| GO:1990498 | 1 | 0.974223172 | 0 | 13 |
| 17523| GO:1990502 | 1 | 0.994040101 | 0 | 3  |
| 17524| GO:1990504 | 1 | 0.996030647 | 0 | 2  |
| 17525| GO:1990511 | 1 | 0.992022905 | 0 | 4  |
| 17526| GO:1990513 | 1 | 0.996025057 | 0 | 2  |
| 17527| GO:1990518 | 1 | 0.992035462 | 0 | 4  |
| 17528| GO:1990519 | 1 | 0.995985008 | 0 | 2  |
| 17529| GO:1990523 | 1 | 0.991995716 | 0 | 4  |
| 17530| GO:1990529 | 1 | 0.998010119 | 0 | 1  |
| 17531| GO:1990531 | 1 | 0.986172333 | 0 | 7  |
| 17532| GO:1990535 | 1 | 0.982200913 | 0 | 9  |
| 17533| GO:1990539 | 1 | 0.997983808 | 0 | 1  |
| 17534| GO:1990540 | 1 | 0.997997916 | 0 | 1  |
| 17535| GO:1990542 | 1 | 0.98599399  | 0 | 7  |
| 17536| GO:1990544 | 1 | 0.989940812 | 0 | 5  |
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| 17539| GO:1990549 | 1 | 0.995985075 | 0 | 2  |
| 17540| GO:1990550 | 1 | 0.997992275 | 0 | 1  |
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| 17544| GO:1990573 | 1 | 0.934104547 | 0 | 34 |
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| GO:1990682 | 1 | 0.99597046 | 0 | 2 |
| GO:1990683 | 1 | 0.995989759 | 0 | 2 |
| GO:1990696 | 1 | 0.99199718 | 0 | 4 |
| GO:1990697 | 1 | 0.997982227 | 0 | 1 |
| GO:1990698 | 1 | 0.995986053 | 0 | 2 |
| GO:1990699 | 1 | 0.997982227 | 0 | 1 |
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| GO:1990701 | 1 | 0.997990564 | 0 | 1 |
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| GO:1990708 | 1 | 0.992052664 | 0 | 4 |
| GO:1990715 | 1 | 0.998010498 | 0 | 1 |
| GO:1990716 | 1 | 0.986034122 | 0 | 7 |
| GO:1990718 | 1 | 0.998013437 | 0 | 1 |
| GO:1990723 | 1 | 0.996012179 | 0 | 2 |
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| ID   | GO:1990932 | Count | 0.995913462 | 0 | 2 |
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| ID   | GO:1990938 | Count | 0.99800761  | 0 | 1 |
| ID   | GO:1990939 | Count | 0.921390743 | 0 | 41 |
| ID   | GO:1990948 | Count | 0.981790951 | 0 | 9 |
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| ID   | GO:1990961 | Count | 0.982116329 | 0 | 9 |
| ID   | GO:1990962 | Count | 0.990064919 | 0 | 5 |
| ID   | GO:1990963 | Count | 0.997978678 | 0 | 1 |
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| ID   | GO:1990968 | Count | 0.998013437 | 0 | 1 |
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| 17702| GO:2000113 | 1     | 0.994021949 | 0       |
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| 17705| GO:2000116 | 1     | 0.998010994 | 0       |
| 17706| GO:2000117 | 1     | 0.992053192 | 0       |
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| 17708| GO:2000119 | 1     | 0.964587876 | 0       |
| 17709| GO:2000120 | 1     | 0.997971213 | 0       |
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| 17711| GO:2000122 | 1     | 0.996029166 | 0       |
| 17712| GO:2000123 | 1     | 0.994002632 | 0       |
| 17713| GO:2000124 | 1     | 0.998006585 | 0       |
| 17714| GO:2000125 | 1     | 0.990029555 | 0       |
| 17715| GO:2000126 | 1     | 0.995998987 | 0       |
| 17716| GO:2000127 | 1     | 0.993926170 | 0       |
| 17717| GO:2000128 | 1     | 0.998010994 | 0       |
| 17718| GO:2000129 | 1     | 0.997993311 | 0       |
| 17719| GO:2000130 | 1     | 0.990027988 | 0       |
| 17720| GO:2000131 | 1     | 0.984088883 | 0       |
| 17721| GO:2000132 | 1     | 0.997986985 | 0       |
| 17722| GO:2000133 | 1     | 0.995963662 | 0       |
| 17723| GO:2000134 | 1     | 0.997993389 | 0       |
| 17724| GO:2000135 | 1     | 0.997964486 | 0       |
| 17725| GO:2000136 | 1     | 0.99798941  | 0       |
| 17726| GO:2000137 | 1     | 0.995986748 | 0       |
| 17727| GO:2000138 | 1     | 0.997985301 | 0       |
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| GO:2000114  | 1     | 0.964643549| 0       | 18          |
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| GO:2000117  | 1     | 0.991924408| 0       | 4           |
| GO:2000118  | 1     | 0.998008812| 0       | 1           |
| GO:2000120  | 1     | 0.993944312| 0       | 3           |
| GO:2000121  | 1     | 0.988010313| 0       | 6           |
| GO:2000124  | 1     | 0.994019974| 0       | 3           |
| GO:2000134  | 1     | 0.920942936| 0       | 41          |
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| GO:2000167  | 1     | 0.998013355| 0       | 1           |
| GO:2000170  | 1     | 0.99397297 | 0       | 3           |
| GO:2000171  | 1     | 0.98611152 | 0       | 7           |
| GO:2000172  | 1     | 0.994007562| 0       | 3           |
| GO:2000173  | 1     | 0.99800714 | 0       | 1           |
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| GO:2000195  | 1     | 0.998011079| 0       | 1           |
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| GO:2000209  | 1     | 0.998013433| 0       | 1           |
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| GO:2000211  | 1     | 0.998013437| 0       | 1           |
| GO:2000212  | 1     | 0.998012964| 0       | 1           |
| GO:2000224  | 1     | 0.997964698| 0       | 1           |
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| 17779 | GO:2000234 | 1 | 0.980069014 | 0 | 10 |
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| 17781 | GO:2000250 | 1 | 0.998013437 | 0 | 1 |
| 17782 | GO:2000251 | 1 | 0.964315181 | 0 | 18 |
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| 17787 | GO:2000264 | 1 | 0.995975413 | 0 | 2 |
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| 17812 | GO:2000308 | 1 | 0.997984615 | 0 | 1 |
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| 17814 | GO:2000310 | 1 | 0.951318012 | 0 | 25 |
| 17815 | GO:2000311 | 1 | 0.966487666 | 0 | 17 |
| 17816 | GO:2000312 | 1 | 0.99602105 | 0 | 2 |
| 17817 | GO:2000313 | 1 | 0.997976723 | 0 | 1 |
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| GO:2000342 |             | 1       | 0.968328343 | 0 | 16 |
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| GO:2000392 | 1 | 0.99400518 | 0 | 3 |
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| GO:2000424 | 1 | 0.997988712 | 0 | 1 |
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| GO:2000426 | 1 | 0.995979122 | 0 | 2 |
| GO:2000427 | 1 | 0.988017395 | 0 | 6 |
| GO:2000431 | 1 | 0.988006856 | 0 | 1 |
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| GO:2000435 | 1 | 0.989899534 | 0 | 5 |
| GO:2000436 | 1 | 0.99004557 | 0 | 5 |
| GO:2000438 | 1 | 0.998013437 | 0 | 1 |
| GO:2000439 | 1 | 0.99597827 | 0 | 2 |
| GO:2000446 | 1 | 0.998010268 | 0 | 1 |
| GO:2000448 | 1 | 0.995945257 | 0 | 2 |
| GO:2000452 | 1 | 0.997977348 | 0 | 1 |
| GO:2000454 | 1 | 0.997976075 | 0 | 1 |
| GO:2000458 | 1 | 0.997974887 | 0 | 1 |
| GO:2000463 | 1 | 0.953118863 | 0 | 24 |
| GO:2000465 | 1 | 0.995985222 | 0 | 2 |
| GO:2000466 | 1 | 0.994004518 | 0 | 3 |
| GO:2000467 | 1 | 0.990032816 | 0 | 5 |
| GO:2000469 | 1 | 0.998013437 | 0 | 1 |
| GO:2000473 | 1 | 0.998012965 | 0 | 1 |
| GO:2000474 | 1 | 0.995997577 | 0 | 2 |
| GO:2000478 | 1 | 0.998011533 | 0 | 1 |
| GO:2000480 | 1 | 0.982046944 | 0 | 9 |
| GO:2000481 | 1 | 0.988072481 | 0 | 6 |
| GO:2000486 | 1 | 0.998000656 | 0 | 1 |
| GO:2000487 | 1 | 0.997986047 | 0 | 1 |
| GO:2000490 | 1 | 0.995986309 | 0 | 2 |
| GO:2000491 | 1 | 0.992033616 | 0 | 4 |
| Gene ID | GO Term | Count | Log p-value | Diff | N DR | Diff | p-value |
|---------|---------|-------|-------------|------|------|------|---------|
| 18004   | GO:2000671 | 1     | 0.998004907 |    0 | 1    |      |         |
| 18005   | GO:2000672 | 1     | 0.993982566 |    0 | 3    |      |         |
| 18006   | GO:2000675 | 1     | 0.992035348 |    0 | 4    |      |         |
| 18007   | GO:2000676 | 1     | 0.991951055 |    0 | 4    |      |         |
| 18008   | GO:2000677 | 1     | 0.99602814  |    0 | 2    |      |         |
| 18009   | GO:2000678 | 1     | 0.982032321 |    0 | 9    |      |         |
| 18010   | GO:2000679 | 1     | 0.982095853 |    0 | 9    |      |         |
| 18011   | GO:2000683 | 1     | 0.99795407  |    0 | 1    |      |         |
| 18012   | GO:2000685 | 1     | 0.997991726 |    0 | 1    |      |         |
| 18013   | GO:2000691 | 1     | 0.998009692 |    0 | 1    |      |         |
| 18014   | GO:2000696 | 1     | 0.998013437 |    0 | 1    |      |         |
| 18015   | GO:2000697 | 1     | 0.997984157 |    0 | 1    |      |         |
| 18016   | GO:2000703 | 1     | 0.99795407  |    0 | 1    |      |         |
| 18017   | GO:2000706 | 1     | 0.998003787 |    0 | 1    |      |         |
| 18018   | GO:2000707 | 1     | 0.995996692 |    0 | 2    |      |         |
| 18019   | GO:2000719 | 1     | 0.997957984 |    0 | 1    |      |         |
| 18020   | GO:2000721 | 1     | 0.998011604 |    0 | 1    |      |         |
| 18021   | GO:2000723 | 1     | 0.997989286 |    0 | 1    |      |         |
| 18022   | GO:2000724 | 1     | 0.997990564 |    0 | 1    |      |         |
| 18023   | GO:2000726 | 1     | 0.986027904 |    0 | 7    |      |         |
| 18024   | GO:2000727 | 1     | 0.988057385 |    0 | 6    |      |         |
| 18025   | GO:2000729 | 1     | 0.995964672 |    0 | 2    |      |         |
| 18026   | GO:2000730 | 1     | 0.997996776 |    0 | 1    |      |         |
| 18027   | GO:2000734 | 1     | 0.997995407 |    0 | 1    |      |         |
| 18028   | GO:2000736 | 1     | 0.989960436 |    0 | 5    |      |         |
| 18029   | GO:2000737 | 1     | 0.970408997 |    0 | 15   |      |         |
| 18030   | GO:2000738 | 1     | 0.989962736 |    0 | 5    |      |         |
| 18031   | GO:2000739 | 1     | 0.998013437 |    0 | 1    |      |         |
| 18032   | GO:2000740 | 1     | 0.998003787 |    0 | 1    |      |         |
| 18033   | GO:2000741 | 1     | 0.992065156 |    0 | 4    |      |         |
| 18034   | GO:2000744 | 1     | 0.995967207 |    0 | 2    |      |         |
| 18035   | GO:2000751 | 1     | 0.997990564 |    0 | 1    |      |         |
| 18036   | GO:2000753 | 1     | 0.997991137 |    0 | 1    |      |         |
| 18037   | GO:2000755 | 1     | 0.997991137 |    0 | 1    |      |         |
| 18038   | GO:2000757 | 1     | 0.989979319 |    0 | 5    |      |         |
| 18039   | GO:2000758 | 1     | 0.992058479 |    0 | 4    |      |         |
| 18040   | GO:2000761 | 1     | 0.99801259  |    0 | 1    |      |         |
| 18041   | GO:2000765 | 1     | 0.995999769 |    0 | 2    |      |         |
| 18042   | GO:2000766 | 1     | 0.986122513 |    0 | 7    |      |         |
| 18043   | GO:2000767 | 1     | 0.986065392 |    0 | 7    |      |         |
| 18044   | GO:2000768 | 1     | 0.993983377 |    0 | 3    |      |         |
| 18045   | GO:2000771 | 1     | 0.998013437 |    0 | 1    |      |         |
| 18046   | GO:2000772 | 1     | 0.974292224 |    0 | 13   |      |         |
| 18047   | GO:2000773 | 1     | 0.962627867 |    0 | 19   |      |         |
| 18048   | GO:2000774 | 1     | 0.976014785 |    0 | 12   |      |         |
| Gene ID | Description | Value | Status | Count |
|---------|-------------|-------|--------|-------|
| 18049   | GO:2000775  | 1     | 0.997980104 | 1     |
| 18050   | GO:2000777  | 1     | 0.995966238  | 2     |
| 18051   | GO:2000779  | 1     | 0.992035206  | 4     |
| 18052   | GO:2000780  | 1     | 0.990070386  | 5     |
| 18053   | GO:2000781  | 1     | 0.974203495  | 13    |
| 18054   | GO:2000785  | 1     | 0.978232763  | 11    |
| 18055   | GO:2000786  | 1     | 0.998006804  | 1     |
| 18056   | GO:2000791  | 1     | 0.998013437  | 1     |
| 18057   | GO:2000794  | 1     | 0.998010676  | 1     |
| 18058   | GO:2000795  | 1     | 0.998010676  | 1     |
| 18059   | GO:2000798  | 1     | 0.998003787  | 2     |
| 18060   | GO:2000805  | 1     | 0.998003787  | 2     |
| 18061   | GO:2000806  | 1     | 0.964586825  | 18    |
| 18062   | GO:2000807  | 1     | 0.994022798  | 3     |
| 18063   | GO:2000808  | 1     | 0.998013415  | 1     |
| 18064   | GO:2000809  | 1     | 0.994046625  | 3     |
| 18065   | GO:2000810  | 1     | 0.972292427  | 14    |
| 18066   | GO:2000811  | 1     | 0.964586825  | 18    |
| 18067   | GO:2000812  | 1     | 0.996000831  | 2     |
| 18068   | GO:2000813  | 1     | 0.991985904  | 4     |
| 18069   | GO:2000815  | 1     | 0.99600362   | 2     |
| 18070   | GO:2000816  | 1     | 0.995910172  | 2     |
| 18071   | GO:2000818  | 1     | 0.99791532   | 1     |
| 18072   | GO:2000819  | 1     | 0.992009247  | 4     |
| 18073   | GO:2000820  | 1     | 0.993997939  | 3     |
| 18074   | GO:2000821  | 1     | 0.992013439  | 4     |
| 18075   | GO:2000822  | 1     | 0.994002401  | 3     |
| 18076   | GO:2000825  | 1     | 0.993945493  | 3     |
| 18077   | GO:2000826  | 1     | 0.998004776  | 1     |
| 18078   | GO:2000827  | 1     | 0.997986375  | 1     |
| 18079   | GO:2000836  | 1     | 0.99799854   | 1     |
| 18080   | GO:2000845  | 1     | 0.996016494  | 2     |
| 18081   | GO:2000850  | 1     | 0.996011072  | 2     |
| 18082   | GO:2000852  | 1     | 0.997965514  | 1     |
| 18083   | GO:2000860  | 1     | 0.995989881  | 2     |
| 18084   | GO:2000864  | 1     | 0.998013437  | 1     |
| 18085   | GO:2000866  | 1     | 0.995986309  | 2     |
| 18086   | GO:2000870  | 1     | 0.997978885  | 1     |
| 18087   | GO:2000969  | 1     | 0.988065045  | 6     |
| 18088   | GO:2000971  | 1     | 0.997985262  | 1     |
| 18089   | GO:2000973  | 1     | 0.992053453  | 4     |
| 18090   | GO:2000974  | 1     | 0.993960505  | 3     |
| 18091   | GO:2000975  | 1     | 0.998010676  | 1     |
| 18092   | GO:2000978  | 1     | 0.993907262  | 3     |
| 18093   | GO:2000979  | 1     | 0.99799543   | 1     |
| GO:     | Description | Score | Rank | Count |
|--------|-------------|-------|------|-------|
| GO:2000981 |              | 0.995939184 | 0 | 2 |
| GO:2000984 |              | 0.997964583 | 0 | 1 |
| GO:2000986 |              | 0.997962583 | 0 | 1 |
| GO:2000987 |              | 0.989972049 | 0 | 5 |
| GO:2001012 |              | 0.997974922 | 0 | 1 |
| GO:2001013 |              | 0.992055523 | 0 | 4 |
| GO:2001014 |              | 0.986070823 | 0 | 7 |
| GO:2001016 |              | 0.994020665 | 0 | 3 |
| GO:2001019 |              | 0.997959962 | 0 | 1 |
| GO:2001020 |              | 0.978176447 | 0 | 11 |
| GO:2001021 |              | 0.997981405 | 0 | 1 |
| GO:2001022 |              | 0.974224957 | 0 | 13 |
| GO:2001023 |              | 0.995983334 | 0 | 2 |
| GO:2001027 |              | 0.994016394 | 0 | 3 |
| GO:2001028 |              | 0.980086 | 0 | 10 |
| GO:2001030 |              | 0.993965715 | 0 | 3 |
| GO:2001031 |              | 0.99801341 | 0 | 1 |
| GO:2001032 |              | 0.98603855 | 0 | 7 |
| GO:2001033 |              | 0.986009339 | 0 | 7 |
| GO:2001034 |              | 0.968345724 | 0 | 16 |
| GO:2001037 |              | 0.99585805 | 0 | 2 |
| GO:2001038 |              | 0.996009062 | 0 | 2 |
| GO:2001044 |              | 0.989932685 | 0 | 5 |
| GO:2001045 |              | 0.994039718 | 0 | 3 |
| GO:2001046 |              | 0.986007942 | 0 | 7 |
| GO:2001051 |              | 0.997978453 | 0 | 1 |
| GO:2001054 |              | 0.989980389 | 0 | 5 |
| GO:2001056 |              | 0.980057433 | 0 | 10 |
| GO:2001065 |              | 0.997966932 | 0 | 1 |
| GO:2001069 |              | 0.984064177 | 0 | 8 |
| GO:2001070 |              | 0.993998816 | 0 | 3 |
| GO:2001076 |              | 0.997974974 | 0 | 1 |
| GO:2001106 |              | 0.996014729 | 0 | 2 |
| GO:2001107 |              | 0.995985075 | 0 | 2 |
| GO:2001108 |              | 0.998013437 | 0 | 1 |
| GO:2001111 |              | 0.997978203 | 0 | 1 |
| GO:2001113 |              | 0.99801283 | 0 | 1 |
| GO:2001125 |              | 0.997990564 | 0 | 1 |
| GO:2001135 |              | 0.98804383 | 0 | 6 |
| GO:2001136 |              | 0.997999596 | 0 | 1 |
| GO:2001137 |              | 0.990034118 | 0 | 5 |
| GO:2001140 |              | 0.987937318 | 0 | 6 |
| GO:2001141 |              | 0.990074553 | 0 | 5 |
| GO:2001142 |              | 0.997987639 | 0 | 1 |
| GO:2001145 |              | 0.997981583 | 0 | 1 |
| ID    | GO:2001150  | 1 | 0.995965931 | 0 | 2 |
|-------|--------------|---|-------------|---|---|
| ID    | GO:2001153  | 1 | 0.997997701 | 0 | 1 |
| ID    | GO:2001161  | 1 | 0.998013437 | 0 | 1 |
| ID    | GO:2001162  | 1 | 0.995978238 | 0 | 2 |
| ID    | GO:2001165  | 1 | 0.997983052 | 0 | 1 |
| ID    | GO:2001168  | 1 | 0.992036492 | 0 | 4 |
| ID    | GO:2001169  | 1 | 0.995988324 | 0 | 2 |
| ID    | GO:2001170  | 1 | 0.993999317 | 0 | 3 |
| ID    | GO:2001171  | 1 | 0.974179301 | 0 | 13 |
| ID    | GO:2001173  | 1 | 0.997980789 | 0 | 1 |
| ID    | GO:2001178  | 1 | 0.997984204 | 0 | 1 |
| ID    | GO:2001185  | 1 | 0.99798545  | 0 | 1 |
| ID    | GO:2001186  | 1 | 0.993952525 | 0 | 3 |
| ID    | GO:2001187  | 1 | 0.995947912 | 0 | 2 |
| ID    | GO:2001189  | 1 | 0.993956155 | 0 | 3 |
| ID    | GO:2001190  | 1 | 0.993922124 | 0 | 3 |
| ID    | GO:2001193  | 1 | 0.997992275 | 0 | 1 |
| ID    | GO:2001198  | 1 | 0.995950993 | 0 | 2 |
| ID    | GO:2001199  | 1 | 0.987932745 | 0 | 6 |
| ID    | GO:2001200  | 1 | 0.991974708 | 0 | 4 |
| ID    | GO:2001204  | 1 | 0.99598735  | 0 | 2 |
| ID    | GO:2001205  | 1 | 0.990033799 | 0 | 5 |
| ID    | GO:2001206  | 1 | 0.991969213 | 0 | 4 |
| ID    | GO:2001212  | 1 | 0.993997674 | 0 | 3 |
| ID    | GO:2001213  | 1 | 0.99600308  | 0 | 2 |
| ID    | GO:2001214  | 1 | 0.978086178 | 0 | 11 |
| ID    | GO:2001222  | 1 | 0.968495588 | 0 | 16 |
| ID    | GO:2001223  | 1 | 0.980178973 | 0 | 10 |
| ID    | GO:2001224  | 1 | 0.970464208 | 0 | 15 |
| ID    | GO:2001225  | 1 | 0.996029947 | 0 | 2 |
| ID    | GO:2001226  | 1 | 0.996000115 | 0 | 2 |
| ID    | GO:2001229  | 1 | 0.998013437 | 0 | 1 |
| ID    | GO:2001233  | 1 | 0.997983076 | 0 | 1 |
| ID    | GO:2001234  | 1 | 0.939497938 | 0 | 31 |
| ID    | GO:2001235  | 1 | 0.94715184  | 0 | 27 |
| ID    | GO:2001236  | 1 | 0.986062708 | 0 | 7 |
| ID    | GO:2001237  | 1 | 0.928361963 | 0 | 37 |
| ID    | GO:2001238  | 1 | 0.946953784 | 0 | 27 |
| ID    | GO:2001239  | 1 | 0.99801343 | 0 | 1 |
| ID    | GO:2001241  | 1 | 0.98201306  | 0 | 9 |
| ID    | GO:2001242  | 1 | 0.987980868 | 0 | 6 |
| ID    | GO:2001243  | 1 | 0.949004348 | 0 | 26 |
| ID    | GO:2001244  | 1 | 0.927896    | 0 | 37 |
| ID    | GO:2001245  | 1 | 0.997962172 | 0 | 1 |
| ID    | GO:2001246  | 1 | 0.9980071   | 0 | 1 |
| ID   | Gene Symbol | Value 1 | Score  | Value 2 | Score  | Value 3 | Score |
|------|-------------|---------|--------|---------|--------|---------|--------|
| 18185| GO:2001247  | 1       | 0.993990219 | 0 | 3 |
| 18186| GO:2001251  | 1       | 0.997981138  | 0 | 1 |
| 18187| GO:2001252  | 1       | 0.996002551  | 0 | 2 |
| 18188| GO:2001253  | 1       | 0.997994512  | 0 | 1 |
| 18189| GO:2001255  | 1       | 0.996007192  | 0 | 2 |
| 18190| GO:2001256  | 1       | 0.974161585  | 0 | 13 |
| 18191| GO:2001257  | 1       | 0.996003884  | 0 | 2 |
| 18192| GO:2001258  | 1       | 0.995986822  | 0 | 2 |
| 18193| GO:2001259  | 1       | 0.990063635  | 0 | 5 |
| 18194| GO:2001260  | 1       | 0.995971199  | 0 | 2 |
| 18195| GO:2001268  | 1       | 0.987916399  | 0 | 6 |
| 18196| GO:2001269  | 1       | 0.985981536  | 0 | 7 |
| 18197| GO:2001271  | 1       | 0.994013167  | 0 | 3 |
| 18198| GO:2001272  | 1       | 0.997957079  | 0 | 1 |
| 18199| GO:2001280  | 1       | 0.996021089  | 0 | 2 |
| 18200| GO:2001286  | 1       | 0.99800808   | 0 | 1 |
| 18201| GO:2001287  | 1       | 0.995980033  | 0 | 2 |
| 18202| GO:2001288  | 1       | 0.994015581  | 0 | 3 |
| 18203| GO:2001294  | 1       | 0.997981761  | 0 | 1 |
| 18204| GO:2001295  | 1       | 0.996030731  | 0 | 2 |
| 18205| GO:2001301  | 1       | 0.989914009  | 0 | 5 |
| 18206| GO:2001302  | 1       | 0.997965198  | 0 | 1 |
| 18207| GO:2001303  | 1       | 0.993974509  | 0 | 3 |
| 18208| GO:2001306  | 1       | 0.99798452   | 0 | 1 |
| 18209| GO:2001311  | 1       | 0.995964405  | 0 | 2 |
| 15414| GO:0106310  | 1       | 0.492342588  | 0 | 351 |
| 15415| GO:0106311  | 1       | 0.492342588  | 0 | 351 |
| 128  | GO:0000287  | 1       | 0.655903966  | 0 | 209 |
| 299  | GO:0000922  | 1       | 0.757319875  | 0 | 138 |
| 3083 | GO:0006897  | 1       | 0.631820309  | 0 | 228 |
| 5101 | GO:0016477  | 1       | 0.605508315  | 0 | 249 |
| 254  | GO:0000781  | 1       | 0.731634388  | 0 | 155 |
| 4882 | GO:0015918  | 1       | 0.962608511  | 0 | 19 |
| 4970 | GO:0016175  | 1       | 0.980074901  | 0 | 10 |
| term                          | ontology |
|-------------------------------|----------|
| immune system                 | BP       |
| response to virus             | BP       |
| negative regulation          | BP       |
| innate immune response        | BP       |
| defense response              | BP       |
| type I interferon             | BP       |
| interferon-gamm              | BP       |
| double-stranded               | MF       |
| interleukin-27-m            | BP       |
| antiviral innate immune       | BP       |
| positive regulation          | BP       |
| 2'-5'-oligoadenylase          | MF       |
| regulation of ribc            | BP       |
| RNA helicase activity         | MF       |
| negative regulation          | BP       |
| response to bacteria          | BP       |
| defense response              | BP       |
| positive regulation          | BP       |
| helicase activity             | MF       |
| positive regulation          | BP       |
| viral process                 | BP       |
| RNA binding                   | MF       |
| positive regulation          | BP       |
| MDA-5 signaling               | BP       |
| CXCR3 chemokine               | MF       |
| postsynaptic endosome         | CC       |
| regulation of defense         | BP       |
| ISG15-protein cofactor        | BP       |
| synaptic vesicle              | BP       |
| RIG-I signaling               | BP       |
| single-stranded R             | MF       |
| dynamin family                | BP       |
| postsynaptic neuron           | BP       |
| response to type              | BP       |
| T cell chemotaxis             | BP       |
| regulation of synctin         | BP       |
| response to interferon        | BP       |
| immune response               | BP       |
| dendritic spine               | CC       |
| cellular response             | BP       |
CXCR chemokine MF
mitochondrial me CC
nucleotide bindin MF
regulation of lipid BP
nucleotideytransfer MF
mitochondrial fiss BP
cellular response BP
positive regulation BP
negative regulation BP
positive regulation BP
defense response BP
positive regulation BP
blood circulation BP
sterol biosynthesi BP
positive regulation BP
chemokine activity MF
negative regulation BP
palmitoyl-CoA 9-c MF
negative regulation BP
regulation of fact BP
regulation of vira BP
recombination hc MF
sterol delta7 redt MF
brassinosteroid b BP
7-dehydrocholest MF
cholesterol trans BP
regulation of Myl BP
regulation of T ce BP
modulation by hc BP
response to cold BP
endoplasmic retic CC
perinuclear regio CC
cellular response BP
cholesterol biosyn BP
cellular response BP
receptor internali BP
membrane fusion BP
chemokine-media BP
regulation of type BP
cytoplasmic patte BP
alveolar lamellar CC
negative regulation BP
negative regulation BP
monounsaturated BP
UMP kinase activ MF
CMP kinase activi MF
dCMP kinase activi MF
nucleoside mono MF
renal tubule deve BP
regulation of moi BP
regulation of Myl BP
protein localization BP
thymidylate kinas MF
dUDP biosynthet BP
dTDP biosyntheti BP
establishment of BP
cellular response BP
GMP reductase a MF
GMP reductase c CC
negative regulation BP
intracellular trans BP
antimicrobial hur BP
ATPase activity MF
regulation of cell BP
nucleobase-cont BP
GTP binding MF
positive regulation BP
neutrophil chem BP
oxidoreductase a MF
stearyl-CoA 9-dé MF
metanephric mes BP
metanephric mes BP
negative regulation BP
negative regulation BP
negative regulation BP
positive regulation BP
positive regulation BP
uridylate kinase a MF
C-4 methylsterol MF
CD4-positive, alp BP
activation of imm BP
steroid biosynthet BP
cytoplasm CC
ATP binding MF
positive regulation BP
negative regulation BP
calcium-induced c MF
positive regulation BP
ryanodine-sensit MF
CD4-positive, alp BP
regulation of end BP
cytidylate kinase MF
negative regulation BP
cholesterol biosynthesis BP
cholesterol biosynthesis BP
negative regulation BP
purine nucleobases BP
ISG15 transferase MF
dTTP biosynthetic BP
negative regulation BP
apoptotic signaling BP
macrophage derived BP
positive regulation BP
negative regulation BP
regulation of inter BP
positive regulation BP
purine nucleotide BP
cellular response BP
intracellular membrane CC
negative regulation BP
oxidation-reduction BP
positive regulation BP
CCR5 chemokine MF
oxidoreductase activity MF
detection of virus BP
regulation of nuclear BP
establishment of BP
positive regulation BP
negative regulation BP
cholesterol import BP
adenylate cyclase BP
cytosol CC
cellular response BP
interleukin-21-macro BP
positive regulation BP
regulation of protein BP
cAMP-dependent MF
positive regulation BP
endoplasmic reticulum CC
cytoplasmic vesicle CC
cholesterol metal BP
calcium-release c MF
interleukin-9-macro BP
negative regulation BP
histone H3-K36 nuc BP
endothelial cell αBP
pyrimidine nucleotide BP
regulation of cAMP BP
nucleoside triphosphate BP
modification-dependent BP
GTPase activity MF
cellular response BP
histone methyltransferase MF
regulation of epic BP
regulation of adenylyl BP
regulation of calc BP
response to interferon BP
negative regulatory BP
regulation of cholesterol BP
interleukin-35-mediated BP
nucleoside monophosphate BP
positive regulatory BP
steroid metabolic BP
nucleic acid binding MF
intracellular cholesterol BP
fatty-acyl-CoA binding BP
negative regulatory BP
integral component CC
regulation of intracellular BP
positive regulatory BP
immunoglobulin gamma BP
cytolysis BP
protein tag MF
positive regulatory BP
positive regulatory BP
regulation of type BP
unsaturated fatty BP
positive regulatory BP
purine-containing BP
chemotaxis BP
iron ion binding MF
oxidoreductase activity MF
positive regulatory BP
double-stranded MF
negative regulatory BP
histone methyltransferase MF
response to audit BP
positive regulatory BP
molecular function MF
heparin binding MF
histone H3-K4 trim BP
histone methyltransferase MF
negative regulation BP
response to vitamin BP
interleukin-6-mediated BP
lamin binding MF
negative regulation BP
cellular response BP
apoptotic mitochondrial BP
negative regulation BP
positive regulation BP
response to exogenous BP
RNA polymerase MF
cholesterol transport MF
presynaptic CC
nucleoside diphosphate MF
nucleoside diphosphate BP
cytokine activity MF
apoptotic process BP
regulation of protein BP
negative regulation BP
cytoplasmic vesicle CC
axon CC
cellular response BP
positive regulation BP
histone modification BP
negative regulation BP
lipid biosynthetic BP
regulation of intracellular BP
response to fatty BP
ribonuclease activity MF
release of cytochrome BP
cell-cell signaling BP
calcium channel CC
negative regulation BP
ubiquitin-like protein MF
RNA catabolic process BP
positive regulation BP
nuclear hormone MF
histone-lysine N-methyltransferase MF
smooth endoplasmic CC
histone acetyltransferase MF
nuclear outer membrane CC
response to gamma BP
microtubule cytoplasmic CC
microtubule bind MF
response to pepti BP
protein homotetra BP
lipid metabolic pr BP
intermediate filar CC
postsynaptic den:cc
nuclear inner mei CC
protein self-assoc MF
positive regulatio BP
negative regulati BP
promoter-specific MF
cellular response BP
response to mech BP
regulation of gene BP
host cell CC
response to cyto BP
response to hyd BP
nuclear receptor 'MF
positive regulatio BP
regulation of cycl BP
sarcoplasmic retic CC
protein K48-linke BP
ubiquitin protein MF
cis-regulatory reg MF
fatty acid biosynt BP
cellular response BP
iron-sulfur cluster MF
cellular response BP
negative regulati BP
GDP binding MF
regulation of auto BP
cellular_compon CC
inflammatory res BP
response to nutri BP
calcium channel ε MF
cellular response BP
serine-type endo BP
positive regulatio BP
nuclear pore CC
intracellular receBP
positive regulatio BP
cellular calcium ic BP
regulation of cell BP
muscle organ dev BP
alpha-1,2-mannos: MF
ribosomal large s BP
ribosomal small s BP
mannosyltransfer MF
cell wall mannoprotein BP
alpha-1,3-mannos: MF
acyl binding MF
acyl carrier activity MF
very long-chain fatty BP
autophagosome c BP
peptidyltransferase MF
rRNA binding MF
urea cycle BP
citrulline metabolism BP
argininosuccinate BP
ribosomal subunit BP
ribosomal large s BP
ribosomal small s BP
fatty-acyl-CoA binding MF
L-ornithine transferase MF
mitotic sister chromatid BP
DNA replication c BP
DNA damage checkpoint BP
G1/S transition of BP
regulation of transcript BP
G2/M transition of BP
S-adenosyl-L-methionine BP
sulfur amino acid BP
sulfur amino acid BP
sulfate assimilation BP
succinate dehydrogenase MF
histidine biosynthesis BP
nucleotide-excision CC
nucleotide-excision CC
nucleotide-excision CC
nucleotide-excision CC
regulation of transcript BP
histone deacetylation CC
RNA polymerase CC
glycerol-1-phosphate MF
histone acetylation CC
SAGA complex CC
PCAF complex CC
transcription factor CC
transcription factor CC
establishment of BP
Golgi cis cisterna CC
Golgi trans cistern CC
exocyst CC
microfilament mo MF
SNARE binding MF
recombinase acti MF
ubiquitin ligase cc CC
nuclear ubiquitin CC
cytoplasmic ubiqui CC
rRNA modification BP
protein phosphat CC
phosphorelay sig BP
protein phosphat CC
MAPK cascade BP
sphingosine hydr MF
ribonuclease MR MF
ribonuclease MR CC
3'-5'-exoribonuc MF
nuclear exosome CC
cytoplasmic exos CC
exosome (RNase CC
rRNA (adenine-N MF
rDNA binding MF
rDNA heterochro BP
activation of MAF BP
activation of MAF BP
activation of MAF BP
inactivation of M, BP
NAD+ diphosphat MF
meiotic spindle or BP
tRNA-intron endo MF
tRNA-intron endo CC
tRNA 2'-phosphot MF
DNA secondary st MF
vacuolar proton-t CC
vacuolar proton-t CC
peptide-N4-(N-ac MF
N-acetylglucosam MF
microtubule cyto: BP
nuclear chromos CC
astral microtubuli CC
pericentriolar ma CC
commitment cor CC
spliceosomal tri-s BP
generation of cation

cis assembly of prBP
RNA splicing, via tBP
tRNA-type intron BP
alternative mRNA BP
regulation of alternate BP
second spliceosome MF
spliceosomal snRNA BP
spliceosome conf BP
mRNA 3'-splice site BP
spliceosomal core BP
mRNA 5'-splice site BP
mRNA splicing, vi.BP
four-way junction MF
Y-form DNA binding MF
heteroduplex DNA MF
bubble DNA binding MF
double-strand/sir MF
phagophore assembly CC
EKC/KEOPS complex CC
protein peptidyl-tBP
regulation of histone BP
negative regulation BP
positive regulation BP
HIR complex CC
autophagosome CC
autophagy of mitochondria BP
mitophagy BP
pexophagy BP
regulation of translation BP
positive regulation BP
positive regulation BP
core TFIIH complex CC
transcription factor CC
MIS12/MIND type CC
THO complex CC
endonucleolytic cBP
cleavage in ITS2 BP
rRNA 2'-O-methylated BP
enzyme-directed BP
snoRNA guided rRNA BP
enzyme-directed BP
maturation of 5.8 BP
endonucleolytic cBP
maturation of SSU BP
maturation of LSU BP
maturation of 5.8 BP
exonucleolytic tri BP
cleavage involved BP
maturation of LSU BP
endonucleolytic c BP
endonucleolytic c BP
endonucleolytic c BP
maturation of SS BP
box C/D snoRNP : BP
box H/ACA snoRBP
box C/D snoRNA : BP
box H/ACA snoRBP
proteasome complex CC
glycosylphosphat CC
embryonic axis sp BP
mismatch base pr MF
purine-specific m MF
oxidized pyrimidine MF
meiotic DNA dou BP
meiotic DNA recon BP
meiotic mismatch BP
meiotic DNA repair BP
resolution of meiosis BP
nucleotide-excision BP
nucleotide-excision BP
nucleotide-excision BP
pyrimidine dimer BP
(R,R)-butanediol c MF
telomere maintainer BP
telomere maintainer BP
double-strand bre BP
recombinational repair BP
non-recombinatorial repair BP
double-strand bre BP
DNA double-strand BP
DNA recombinase BP
DNA synthesis inv BP
strand displacement BP
DNA strand renat BP
removal of non-hc BP
DNA catabolic prc BP
DNA catabolic prc BP
syncytium formation BP
phosphatidyl-N-methanol MF
adenyl-nucleotide
chromosome, cer
kinetochore
condensed chrom
condensed nucle:
condensed chrom
nuclear telomere
nucleosome
euchromatin
heterochromatin
condensed chrom
condensed nucle:
synaptonemal coil
condensin complex
lateral element
central element
transverse filament
sex chromosome
X chromosome
Y chromosome
origin recognition
diacylglycerol dip M
GINS complex
Swr1 complex
ESCRT I complex
ESCRT II complex
ESCRT III complex
nuclear MIS12/M
sister chromatid
BP
regulation of glut
regulation of argi
inositol hexakisph
inositol-1,4,5-trisph
inositol tetrakisph
inositol-1,3,4,5,6-MF
inositol hexakisph
inositol heptakisph
inositol hexakisph
inositol hexakisph
ER ubiquitin ligase
Hrd1p ubiquitin li
Hrd1p ubiquitin li
translation repress
cell morphogenesis
BP
cell morphogenesis
BP
actomyosin contr BP
actomyosin contr BP
division septum a BP
septin ring assem BP
equatorial microt CC
gamma-tubulin cc CC
P-body CC
GARP complex CC
condensed chrom CC
condensed chrom CC
condensed nuclei CC
condensed nuclei CC
nuclear-transcribing BP
mitochondrial RN BP
mitochondrial MF BP
mitochondrial RN BP
negative regulation BP
positive regulation BP
mitochondrial RN BP
mitochondrial RN BP
mitochondrial RN BP
RNA 5'-end processing BP
tRNA exon ligating BP
transcription-dependent BP
posttranscription BP
Prp19 complex CC
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
mitochondrial promoter sequence MF
RNA polymerase MF
core promoter sequence MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
RNA polymerase MF
TFIIB-class transcri MF
TFIID-class transcri MF
TFIIF-class transcri MF
TFIIH-class transcri MF
basal RNA polymer MF
negative regulation BP
RNA polymerase MF
DNA-templated tran BP
transcription open BP
transcription term MF
TFIIC-class transcri MF
intronic transcript MF
RNA polymerase MF
RNA polymerase MF
transcription, RNA BP
transcriptional start BP
RNA polymerase MF
RNA polymerase MF
maintenance of tran BP
histone displacement BP
DNA-binding tran MF
DNA-binding tran MF
transcription cofactor MF
transcription core MF
transcription coat MF
RNA polymerase MF
RNA polymerase MF
dNA-binding tran MF
dNA-binding tran MF
age-dependent react BP
age-dependent react BP
SAM complex CC
PAM complex, TIR CC
guanine nucleotide MF
skeletal system development BP
cartilage condensation BP
ossification BP
neurotransmitter BP
regulation of neu BP
acetylcholine catalysis BP
action potential BP
RNA methylation BP
dihydr nicotinam MF
detection of chem BP
Gq/11-coupled se MF
dopamine neurot MF
angiotensin rece MF
pancreatic polyp MF
adrenomedullin r MF
neuromedin U rei MF
G protein-couple MF
purinergic nucleo MF
virus receptor act MF
G protein-couple MF
nociceptin rece MF
cysteiny leukotri MF
leukotriene B4 re MF
calcitonin gene-re MF
adenylate cyclase MF
group II metabotr MF
group III metabot MF
osteoblast differe BP
dense fibrillar cor CC
granular compo CC
peptide receptor MF
eye development BP
urogenital system BP
metanephros dev BP
ureteric bud deve BP
branching involve BP
temperature hor BP
fever generation BP
conditioned taste BP
behavioral fear re BP
G protein-coupler MF
alpha-N-acetylgal MF
response to hypo BP
ameboidal-type c BP
acrosomal vesicle CC
ATPase activator MF
regulation of chr BP
male germ cell n CC
female germ cell CC
acrosome assemb BP
long-chain fatty a BP
cellular glucose h BP
tRNA 3’-terminal BP
sialate O-acetyles MF
tRNA 5’-leader re BP
pseudophosphatε ε MF
histamine metabx BP
histamine biosyn BP
histamine catabo BP
gastric acid secreBP
in utero embryon BP
gastrulation with BP
formation of prir BP
ectoderm format BP
endoderm formal BP
mesoderm format BP
cell fate specifical BP
cell fate determin BP
mesodermal cell f BP
endodermal cell f BP
ectodermal cell f BP
endodermal cell f BP
L-amino-acid oxid MF
stress fiber MF
ruffle MF
lipid kinaseactivi MF
ceramide kinase ε MF
formation of tran BP
formation of cyto BP
galactosylceramic MF
mRNA (N6-ado MF
prenylcysteine ox MF
establishment of BP
morphogenesis o BP
sex chromatin CC
Barr body CC
XY body CC
photoreceptor o CC
eye photorecept BP
neural crest cell n BP
somitogenesis BP
somite specificati BP
retinal dehydrogen MF
organ induction BP
morphogenesis o BP
neuron migration BP
membrane raft as BP
membrane raft pBP
establishment of BP
establishment of BP
immunological sy BP
immunological sy CC
myeloid dendritic BP
microglial cell act BP
cell activation BP
leukocyte homeo BP
T cell homeostati BP
plasma membran BP
natural killer cell BP
neutrophil home BP
neutrophil apopto BP
B cell homeostasi BP
B cell apoptotic p BP
phosphotyrosine MF
phosphatidylserin MF
natural killer cell BP
IgM binding MF
polymeric immun MF
positive regulatio BP
positive regulatio BP
type IV hypersens BP
negative regulativ BP
positive regulatio BP
negative regulativ BP
positive regulatio BP
negative regulativ BP
positive regulatio BP
regulation of cyto BP
negative regulativ BP
positive regulatio BP
serotonin secreti BP
histamine secreti BP
kidney developm BP
mesonephros dev BP
blastocyst develo BP
blastocyst format BP
inner cell mass ce BP
inner cell mass ce BP
inner cell mass ce BP
trophectodermal BP
trophectodermal BP
trophectodermal BP
blastocyst growth BP
inner cell mass ce BP
trophectodermal BP
blastocyst hatchir BP
epithelial to mesè BP
embryonic epithe BP
neural plate morț BP
neural plate deve BP
neural tube forma BP
neural fold forma BP
neural tube closu BP
protein insertion BP
phagolysosome a BP
opsonin binding MF
opsonin receptor MF
complement bind MF
complement com MF
complement com MF
complement com MF
complement com MF
complement com MF
complement com MF
complement com MF
NK T cell differen BP
NK T cell proliera BP
complement activ BP
negative regulatic BP
(1->3)-beta-D-glu MF
lipopolysaccharid MF
response to yeast BP
Mullerian duct re BP
receptor recycling BP
nucleoside bindin MF
purine nucleoside MF
endothelial cell di BP
endothelial cell ri BP
selenium compol BP
glucuronyl-galact MF
liver developmen BP
placenta develop BP
phagocytic cup CC
embryonic placer BP
maternal placent BP
tissue homeostas BP
retina homeostas BP
startle response  BP
G-protein alpha-s MF
thigmotaxis  BP
suckling behavior BP
fibronectin bindir MF
positive regulatio BP
negative regulaticBP
retinoic acid bind MF
G protein-coupled BP
blood vessel remB
response to ampl BP
nervous system p BP
regulation of syst BP
negative regulatBP
regulation of syst BP
regulation of syst BP
norepinephrine-e BP
positive regulatio BP
positive regulatio BP
angiotensin-medi BP
renin secretion in BP
angiotensin matu BP
morphogenesis o BP
morphogenesis o BP
regulation of bloc BP
regulation of bloc BP
renin-angiotensinBP
regulation of renBP
protease binding MF
response to dieta BP
reduction of food BP
diet induced ther BP
norepinephrine-e BP
regulation of the  BP
regulation of heatBP
regulation of sodi BP
desensitization of BP
G protein-coupler BP
desensitization of BP
regulation of bloc BP
brain renin-angio BP
negative regulatBP
positive regulatio BP
p53 binding MF
sprouting angiote BP
intussusceptive a BP
cell migration inv BP
blood vessel endc BP
opsin binding MF
osteoblast fate cc BP
positive regulatio BP
adenine binding MF
uracil binding MF
thymine binding MF
purine nucleobas MF
chondrocyte diffe BP
chondrocyte dev BP
epithelial cell dev BP
columnar/cuboid BP
glandular epitheli BP
glandular epitheli BP
epithelial cell mat BP
glandular epitheli BP
optic cup morphc BP
extraocular skele BP
osteoblast developc BP
acrosome matrix BP
inner acrosomal r CC
acrosomal memb CC
outer acrosomal r CC
regulation of oxid BP
4-hydroxybenzoa MF
protein depalmitc BP
diaphragm contrc BP
regulation of resp BP
lens development BP
lens morphogene BP
regulation of rece BP
negative regulatio BP
positive regulatio BP
auditory receptor BP
polyprenyltransfe MF
caveolar macrom CC
polkadots CC
tRNA wobble urid BP
tRNA wobble ade BP
tRNA wobble cytc BP
podosome CC
interleukin-33 rece MF
interleukin-33 bin MF
interleukin-33 rec MF
store-operated cc BP
semaphorin receç CC
aggressive behaviBP
inter-male aggres BP
maternal aggressi BP
tRNA wobble bas BP
tRNA nucleoside t BP
polycystin comple CC
UTP binding MF
CTP binding MF
retinoic acid biosi BP
stereocilia ankle l CC
stereocilia ankle l CC
tRNA wobble pos BP
cytosolic tRNA wc CC
G-quadruplex RN.MF
bile acid conjugat BP
steroid receptor f MF
thyroid hormone BP
regulation of thyr BP
osteoclast prolifie BP
desmosome asse BP
aminoacyl-tRNA e MF
dystroglycan bind MF
3-methylcrotonyl CC
protein localizatiBP
male germ cell pr BP
manchette CC
palmitoyltransfer CC
cytoplasmic trans BP
cytoplasmic trans BP
cytoplasmic trans BP
cytoplasmic trans BP
translation reiniti BP
ribose phosphate CC
cap-independent BP
cap-dependent tr BP
IRES-dependent t BP
MAML1-RBP-Jkap CC
hepatocyte cell m BP
Ser-tRNA(Ala) hyç MF
zona pellucida rec CC
somatic recombin BP
behavioral defens BP
defense response BP 
activation of innate BP 
innate immune re BP 
pattern recognition BP 
stimulatory C-type BP 
toll-like receptor BP 
innate immune re BP 
natural killer cell BP 
leukocyte chemot BP 
response to mole BP 
response to mole BP 
hematopoietic pr BP 
wound healing in BP 
connective tissue BP 
organ or tissue sp BP 
lymphocyte hom BP 
myeloid cell hom BP 
cell activation inv BP 
endothelial cell ar BP 
astrocyte activat BP 
follicular dendritic BP 
follicular dendritic BP 
leukocyte activat BP 
plasmacytoid den BP 
basophil activatio BP 
myeloid dendritic BP 
monocyte activat BP 
macrophage activ BP 
microglial cell act BP 
neutrophil activat BP 
T cell activation ir BP 
T cell activation v BP 
T cell differentiati BP 
T-helper cell linea BP 
T-helper 1 cell lin BP 
CD8-positive, gan BP 
T cell proliferation BP 
B cell activation ir BP 
mature B cell diff BP 
germinal center E BP 
marginal zone B c BP 
follicular B cell dif BP 
plasma cell differ BP 
myeloid progenit BP 
memory B cell dif BP
lymphoid progeni
B cell proliferatio
natural killer cell
B cell lineage corr
immature B cell
dBP
pro-B cell differer
pre-B cell differer
pre-B cell allelic
transitional one
transitional two
mature B cell
transitional
B-1a B cell
differ
B cell affinity mat
response to tumc
B cell negative se
plasma kallikrein-
detection of tum
defense response
B cell homeostat
T cell lineage corr
CD4-positive, CD2
CD4-positive, CD4
alpha-beta T cell
NK T cell lineage
leukocyte activati
immune response
hepatic immune r
mucosal immune
immune response
MHC class I prote
MHC class Ib prot
MHC class II prot
dendritic cell che
myeloid dendritic
antigen transcyto
immunoglobulin
IgG immunoglobu
immune response
T cell mediated
immune response
complement rece
Fc receptor medi
granuloma forma
immune complex
immune complex BP
inflammatory res BP
acute inflammato BP
chronic inflamma BP
neutrophil media BP
eosinophil media BP
mast cell mediate BP
peripheral B cell t BP
humoral immune BP
T cell mediated in BP
T cell antigen pro BP
peripheral T cell t BP
adaptive immune BP
germinal center f BP
myeloid dendritic BP
plasmacytoid den BP
antigen processin BP
antigen processin BP
antigen processin BP
antigen processin BP
antigen processin BP
antigen processin BP
antigen processin BP
antigen processin BP
antigen processin BP
antigen processin BP
antigen processin BP
antigen processin BP
peptide antigen a BP
peptide antigen a BP
antigen processin BP
antigen processin BP
tolerance inducti BP
central tolerance BP
central tolerance BP
tolerance inducti BP
T cell tolerance in BP
lymphocyte chem BP
natural killer cell l BP
immune system c BP
leukocyte differer BP
leukocyte migrati BP
leukocyte migrati BP
hypersensitivity BP
acute inflammato BP
regulation of vasc BP
production of mo BP
respiratory burst  BP
nitric oxide produ BP
leukotriene prod BP
activation of plas BP
Factor XII activati BP
activation of bloo BP
chronic inflamma BP
monocyte chemo BP
mast cell chemot:BP
histamine secreti BP
serotonin secreti BP
basophil degranu BP
somatic diversific BP
pro-T cell differer BP
myeloid leukocyBP
basophil chemot:BP
platelet degranul:BP
regulation of anti BP
positive regulatio BP
negative regulati BP
negative regulati BP
positive regulatio BP
negative regulati BP
negative regulati BP
positive regulatio BP
negative regulati BP
regulation of B ce BP
regulation of T ce BP
negative regulati BP
regulation of gerr BP
negative regulati BP
positive regulatio BP
regulation of imr BP
negative regulati BP
positive regulatio BP
regulation of tole BP
positive regulatio BP
positive regulatio BP
regulation of tole BP
positive regulatio BP
regulation of T ce BP
positive regulatio BP
regulation of T ce BP
positive regulatio BP
regulation of acute BP
negative regulation of acute BP
positive regulation of acute BP
regulation of chronic BP
negative regulation of chronic BP
respiratory burst BP
regulation of immune BP
negative regulation of immune BP
positive regulation of immune BP
regulation of leukocyte BP
negative regulation of leukocyte BP
positive regulation of leukocyte BP
regulation of cell BP
negative regulation of cell BP
positive regulation of cell BP
regulation of natural BP
positive regulation of natural BP
regulation of cytoplasmic BP
negative regulation of cytoplasmic BP
positive regulation of cytoplasmic BP
regulation of B cellBP
negative regulation of B cellBP
positive regulation of B cellBP
regulation of T cellBP
negative regulation of T cellBP
positive regulation of T cellBP
regulation of dendritic BP
negative regulation of dendritic BP
positive regulation of dendritic BP
antigen processing
regulation of cell surface pattern
cytoplasmic pattern
MyD88-dependent BP
MyD88-independent BP
innate immune response
regulation of antigen response
regulation of myeloid BP
negative regulation of myeloid BP
positive regulation BP
regulation of human BP
negative regulation BP
positive regulation BP
tRNA wobble base BP
trabecular meshwork BP
response to ischemia BP
lipid hydroxylation BP
desmosome organelle BP
tRNA N1-guanine BP
tRNA N2-guanine BP
tRNA dihydrouridine BP
cyclin K-CDK12 CC CC
cyclin K-CDK13 CC CC
tRNA C5-cytosine BP
tumor necrosis factor CC
tRNA threonylcarboxylate BP
ceramide phosphonate MF
leukotriene- C(4) -1 MF
5'-deoxynucleotide MF
regionalization BP
developmental process BP
heart morphogenesis BP
skeletal muscle cell BP
involuntary skeletal muscle BP
muscle system process BP
renal system process BP
heart process BP
respiratory system process BP
lymph circulation BP
regulation of system BP
regulation of system BP
detection of oxygen BP
regulation of system BP
regulation of system BP
angiotensin-mediated BP
regulation of vascular BP
regulation of the BP
hormonal regulation BP
regulation of heart BP
negative regulation BP
regulation of heart BP
positive regulation BP
acetylcholine-mediated BP
regulation of system BP
regulation of syst BP
positive regulation BP
negative regulation BP
renal water homeostasis BP
glomerular filtration pressure natriuretic BP
renal sodium ion BP
renal water transport BP
positive regulation BP
regulation of syst BP
positive regulation BP
negative regulation BP
negative regulation BP
negative regulation BP
regulation of vascular pressure natriuretic BP
detection of nodal BP
heart field specific BMP signaling pathway
mesodermal-endothelial BMP signaling pathway
primary heart field BP
secondary heart field BP
determination of embryonic heart field BP
neural crest cell migration
outflow tract septation BP
membranous septum BP
muscular septum BP
outflow tract morphology BP
regulation of cardiac BP
endocardium development BP
endothelium development BP
endocardium morphology BP
cardiac conduction BP
atrioventricular node BP
sinoatrial node development BP
Purkinje myocyte BP
bundle of His development BP
atrioventricular bundle BP
coronary vein morphology BP
heart valve development BP
atrioventricular valve BP
mitral valve development BP
aortic valve development BP
positive regulation of cardioblast anterior BP
cardioblast migration BP
regulation of cardiac BP
regulation of sec BP
Notch signaling p:BP
smoothed sign BP
endocardial cushion BP
cell migration inv BP
endocardial cushion BP
apoptotic process BP
cardiac septum deh BP
ventricular septum BP
atrial septum dev BP
atrial septum prim BP
atrial septum sec BP
cardiac muscle hypertrophy BP
negative regulation BP
type B pancreatic BP
pancreatic A cell BP
pancreatic A cell BP
type B pancreatic BP
regulation of extr BP
positive regulation BP
negative regulation BP
amino acid transporter BP
keratinocyte development BP
corneocyte development BP
corneocyte desquamation BP
mesenchymal-to-e BP
metanephros movement BP
regulation of mes BP
cilium movement BP
proepicardium deh BP
pericardium morphogenesis BP
proepicardium cephalic BP
pulmonary myocyte BP
epithelial cilium BP
regulation of cilium BP
positive regulation BP
regulation of cilium BP
noradrenergic neuron BP
noradrenergic neuron BP
noradrenergic neuron BP
brainstem development BP
lamellipodium as: BP
establishment of BP
cell-matrix adhesion
sphingosine-1-phosphate
epithelial cell motility
apical constriction
regulation of COP
axis elongation
planar cell polarization
optic vesicle morphogenesis
retinal pigment epithelium
neural retina development
optic cup formation
optic cup structure
establishment of chondrocyte differentiation
chondrocyte hypertrophy
endochondral bone
growth plate cartilage
growth plate cartilage
regulation of growth plate cartilage
growth plate cartilage
growth plate cartilage
chondrocyte development
DNA helicase activity
AT DNA binding
bent DNA binding
damaged DNA binding
DNA replication origin
DNA clamp loader
double-stranded DNA
left-handed Z-DNA
satellite DNA binding
single-stranded DNA
steroid hormone
transcription elongation
transcription corepressor
transcription coactivator
transcription corepressor
telomerase activity
telomerase RNA
double-stranded DNA
AMP deaminase MF
ATP adenylyltransfer MF
ATP citrate synthase MF
protein C-termin MF
CDP-diacylglycerol MF
CDP-diacylglycerol MF
CTP synthase activ MF
D-amino-acid oxidase MF
DNA (cytosine-5-) MF
DNA-directed DNA MF
DNA primase activ MF
DNA-directed 5'-3' MF
alkylbase DNA N-1 MF
DNA-(apurinic or AP) methylated-DNA-MF
DNA ligase activity MF
DNA ligase (ATP) MF
DNA topoisomerase MF
DNA topoisomerase MF
FMN adenylyltransfer MF
GMP synthase activ MF
GMP synthase (gl) MF
GPI-anchor transfer MF
NA
GTP cyclohydrolase MF
IMP cyclohydrolase MF
IMP dehydrogenase MF
L-iditol 2-dehydro MF
L-iduronidase activ MF
L-serine ammonia MF
N-acetylgalactosamine MF
N-acetylglucosamine MF
N-acetyllactosamine MF
(N-acetyleneuraminic MF
N4-(beta-N-acetyl MF
NAD+ ADP-ribosyl MF
NAD+ kinase activ MF
NAD+ synthase (gl) MF
NAD+ nucleosidase MF
NADH dehydrogenase MF
NAD(P)H dehydrogenase MF
NAD(P)+ activ MF
NAD(P)+ transhydrolase MF
NADPH-hemoprotein MF
carnitine O-palmi MF

catalase activity  MF
cerebroside-sulfa MF
choline kinase act MF
cholinesterase ac MF
choline-phosphat MF
citrate (Si)-syntha MF
coproporphyrin MF
creatine kinase ac MF
cyclic-nucleotide MF
2',3'-cyclic-nuclecf MF
3',5'-cyclic-nuclecf MF
3',5'-cyclic-AMP p MF
calmodulin-deper MF
cGMP-stimulated MF
cGMP-inhibited c MF
cystathionine bet MF
cystathionine gan MF
cytidine deamina MF
cytochrome-b5 re MF
cytochrome-c oxi MF
dCMP deaminase MF
glycogen debranc MF
4-alpha-glucanotr MF
amylo-alpha-1,6- MF
deyxyadenosine l MF
deyxyctidine kin MF
deyxyguanosine l MF
deyxyribose-phos MF
depphospho-CoA k MF
diacylglycerol chc MF
diacylglycerol kin:MF
diacylglycerol O-a MF
diamine N-acetylt MF
dihydrofolate red MF
dihydrolipoyl deh MF
dihydrolipoyllysin MF
dihydroorotase ai MF
dihydroorotate di MF
6,7-dihydropterid MF
dihydropyrimidin MF
dimethylallyltr MF
diphosphomevalc MF
diphthine syntha MF
dodecenoyl-CoA t MF
galactokinase act MF
galactosylceramic MF
geranyltranstrans MF
glucan 1,4-alpha-1 MF
gluco kinase activi MF
gluconolactonase MF
glucosamine-6-ph MF
glucosamine 6-ph MF
glucose-6-phosph MF
glucose-6-phosph MF
glucose-6-phosph MF
glucosylceramida MF
glutamate 5-kinase MF
glutamate-5-semi MF
glutamate decarb MF
glutamate dehydro MF
glutamate dehydro MF
glutamate-dehydro MF
glutamate-ammo MF
glutamate-cysteir MF
glutaminase activ MF
glutamine-fructo MF
glutaryl-CoA dehy MF
glutathione-disulf MF
glutathione synth MF
glutathione trans MF
glyceraldehyde-3 MF
glycerol-3-phosph MF
glycerol-3-phosph MF
glycerol-3-phosph MF
glycerol kinase ac MF
glycerone kinase MF
glycine hydroxym MF
glycogen (starch) MF
glycine dehydro MF
glycolipid manno MF
GDP-Man:Man3GMF
GDP-Man:Man1GMF
glycylpeptide N-tr MF
guanosine-diphos MF
guanylate cyclase MF
guanylate kinase MF
heme oxygenase MF
heparan sulfate 2 MF
hexaprenyl dihyd MF
hexokinase activi MF
histidine ammoni MF
histidine decarbo MF
histone acetyltrar MF
histone deacetyl a MF
holocytochrome- MF
homogentisate 1, MF
hyalurononglucos MF
hydroxyacylglutat MF
hydroxymethylbil MF
hydroxymethylglt MF
hydroxymethylglt MF
hydroxymethylglt MF
hypoxanthine phc MF
iduronate-2-sulfa MF
inorganic diphos MF
1-phosphatidylin MF
phosphatidylinosi MF
phosphatidylinosi MF
phosphatidylinosi MF
inositol-1,4-bisph MF
inositol-polyphos MF
inositol-hexakisph MF
iodide peroxidase MF
isocitrate dehydr MF
isocitrate dehydr MF
isocitrate dehydr MF
isopentenyl-diph MF
ketohexokinase a MF
lactate dehydrogi MF
D-lactate dehydro MF
L-lactate dehydro MF
lactose synthase : MF
lactoylglutathione MF
leukotriene-A4 h MF
leukotriene-C4 sy MF
lipoprotein lipase MF
long-chain-acyl-C MF
long-chain fatty a MF
lysine N-acetyltra MF
malic enzyme act MF
malate dehydrogi MF
malate dehydrogi MF
malate synthase : MF
mannose-1-phos MF
deoxyribonucleas MF
deoxyribonucleas MF
exoribonuclease α MF
5'-3' exoribonuclease MF
poly(A)-specific ribonuclease MF
tRNA-specific ribonuclease MF
nucleotide diphosphohydrolase activity MF
alpha, alpha-amylase activity MF
alpha-galactosidase MF
alpha-1,4-glucosidase MF
alpha-mannosidase MF
alpha-L-fucosidase MF
alpha-N-acetylgalactosaminidase MF
beta-N-acetylhexosaminidase MF
beta-glucuronidase MF
beta-mannosidase MF
chitinase activity MF
glycoprotein endopeptidase MF
mannosidase MF
mannosyl-oligosaccharide MF
N-acetylgalactosaminidase MF
chitobiosydiphosphatase MF
dolichyl-diphosphatase MF
dolichyl-phosphatase MF
dolichyl-phosphatase MF
ornithine decarboxylase MF
ornithine-oxo-acid transaminase MF
orotate phosphoribosyltransferase MF
orotidine-5'-phosphate MF
oxoglutarate dehydrogenase MF
pantothenate kinase MF
pantetheine-phosphatase MF
peptide α-N-acetyl-lysylpeptidase MF
peptide-aspartate aminopeptidase MF
peptidylamidoglycosidase MF
peroxidase activity MF
glutathione peroxidase MF
phenylethanolamine N-methyltransferase MF
phosphatidate cytidylyltransferase MF
phosphatidylcholine MF
phosphatidylethanolamine MF
phosphatidylserine MF
phosphoacetylglucosamine MF
phosphoenolpyruvate MF
phosphoglucuronate MF
phosphoglycerate MF
phosphoglycerate MF
phosphoglycerate MF
phospholipase A1 MF
glycosylphosphatidylinositol MF
lysophospholipase MF
phospholipase A2 MF
phospholipase C MF
phospholipase D MF
phosphomevalonate MF
phosphopantothenate MF
phosphopantothenate MF
phosphopantothenate MF
phosphopyruvate MF
phosphoribosylpyrophosphate MF
phosphoribosylpyrophosphate MF
phosphoribosylpyrophosphate MF
phosphoribosylpyrophosphate MF
phosphoribosylpyrophosphate MF
phosphoribosylpyrophosphate MF
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phosphoribosylpyrophosphate MF
phosphoribosylpyrophosphate MF
phosphoribosylpyrophosphate MF
phosphoribosylpyrophosphate MF
phosphoribosylpyrophosphate MF
1,4-alpha-oligonucleotide MF
poly(ADP-ribose) MF
polynucleotide 5' MF
polynucleotide 3' MF
oligopeptide N-acetyl MF
oligopeptide N-acetyl MF
proline dehydrogenase MF
proline dehydrogenase MF
propionyl-CoA carboxylase MF
prenyltransferase MF
protein farnesyltransferase MF
protein geranylgeranyltransferase MF
CAAX-protein geranylgeranyltransferase MF
Rab geranylgeran MF
prostaglandin-ent MF
prostaglandin-D s MF
protein-arginine c MF
protein C-terminal MF
protein kinase act MF
protein histidine 1 MF
protein serine/thra MF
transmembrane r MF
3-phosphoinositide MF
DNA-dependent 7 MF
AMP-activated pr MF
calmodulin-deph MF
elongation factor MF
myosin light chain MF
phosphorylase kir MF
cAMP-dependent MF
cGMP-dependent MF
cyclin-dependent MF
eukaryotic transl MF
protein kinase C z MF
calcium-depende MF
calcium-independent MF
G protein-coupled MF
NF-kappaB-induci MF
JUN kinase activit MF
JUN kinase kinase MF
MAP kinase activi MF
MAP kinase kinas MF
MAP kinase kinas MF
ribosomal protein MF
protein serine/thi MF
protein tyrosine k MF
transmembrane r MF
non-membrane s MF
protein-L-isoaspa MF
protein-lysine 6-o MF
phosphoprotein 7 MF
protein serine/thi MF
calcium-depende MF
protein tyrosine 7 MF
non-membrane s MF
prenylated protein MF
oxygen-depender MF
purine-nucleoside MF
insulin-activated MF
insulin-like growth MF
macrophage colony MF
platelet-derived growth MF
vascular endothelial MF
tumor necrosis factor MF
tumor necrosis factor MF
osmosensor activity MF
death receptor activity MF
low-density lipoprotein MF
netrin receptor activity MF
scavenger receptor activity MF
KDEL sequence binding MF
signal sequence binding MF
nuclear export signal MF
peroxisome matrix MF
peroxisome matrix MF
laminin receptor activity MF
cis-transmembrane MF
MAP-kinase scaffold MF
protein kinase C MF
guanosine-nucleotide binding MF
GDP-dissociation MF
Rab GDP-dissociation MF
Rho GDP-dissociation MF
GTPase inhibitor MF
fibroblast growth factor MF
type 1 fibroblast MF
frizzled binding MF
type 2 fibroblast MF
Notch binding MF
patched binding MF
type II transforming MF
receptor tyrosine kinase MF
smoothened binding MF
Toll binding MF
death receptor binding MF
scavenger receptor

MF

cytokine receptor MF

ciliary neurotroph MF

granulocyte macro MF

granulocyte color MF

growth hormone MF

type I interferon MF

interferon-gamma MF

interleukin-2 receptor MF

interleukin-4 receptor MF

interleukin-5 receptor MF

interleukin-6 receptor MF

interleukin-7 receptor MF

interleukin-10 receptor MF

interleukin-11 receptor MF

interleukin-12 receptor MF

leukemia inhibitory MF

interleukin-1 receptor MF

interleukin-1, type MF

interleukin-1, type MF

interleukin-1 receptor MF

interleukin-8 receptor MF

epidermal growth factor MF

macrophage colony MF

insulin receptor beta MF

insulin-like growth MF

transforming growth MF

platelet-derived growth factor MF

nerve growth factor MF

neurotrophin receptor MF

neurotrophin TRK MF

neurotrophin TRK MF

neurotrophin TRK MF

hepatocyte growth MF

vascular endothelial MF

stem cell factor receptor MF

CD40 receptor beta MF

CD27 receptor beta MF

ErbB-2 class receptor MF

hormone activity MF

gonadotropin hormone MF

neuropeptide hormone MF

structural molecule MF

structural constituent MF

extracellular matrix MF
structural constituents
transporter activities
inositol 1,4,5-trisphosphate
intracellular cyclic AMP
intracellular cyclic GMP
volume-sensitive
calcium-activated
intracellular sodium
intracellular calcium
extracellular ligand
excitatory extracellular
inhibitory extracellular
inward rectifier potassium
gap junction channel
voltage-gated ion channel
voltage-gated calcium
voltage-gated chloride
voltage-gated potassium
voltage-gated potassium A-type (transient)
voltage-gated potassium delayed rectifier
voltage-gated potassium open rectifier
calcium channel
intracellular ATP
intracellular cations
potassium channel
sodium channel
amine transporter
acetylcholine transporter
amino acid transporter
high-affinity arginine
L-histidine transporter
high-affinity lysine
neutral amino acid transporter
proline:sodium symporter
L-tyrosine transporter
creatine transporter
creatine:sodium symporter
dicarboxylic acid transporter
L-glutamate transporter
high-affinity glutamate
inorganic phosphate
high-affinity inorganic phosphate
lipid transporter
long-chain fatty acid
neurotransmitter
neurotransmitter
Dopamine:sodium
Gamma-aminobutyric acid
Norepinephrine:sodium
Serotonin:sodium
Nucleoside transporter
Nucleotide-sugar
Organic acid transporter
Organic acid:sodium
Oxygen carrier
Purine nucleobase transporter
ATP transporter
Carbohydrate:protein
Fructose transporter
Galactose transporter
Glucose transporter
Low-affinity glucose
Myo-inositol transporter
Myo-inositol:protein
Myo-inositol:sodium
Taurine transporter
Taurine:sodium
Water transporter
Copper ion transporter
Iron ion transporter
Manganese ion transporter
Zinc ion transporter
Calcium transporter
Sodium:potassium
Glucose:sodium
Nucleoside:sodium
Proton-dependent
Calcium:sodium
Sodium:phosphate
Inorganic anion
CMP-N-acetylneuraminate
GDP-fucose transporter
UDP-galactose transporter
UDP-glucose transporter
UDP-glucuronic a MF
UDP-N-acetylgluc MF
UDP-N-acetylgala MF
UDP-xylose trans MF
ATP:ADP antiport MF
pyruvate seconda MF
soluble NSF attac MF
SNAP receptor ac MF
steroid binding MF
androgen binding MF
vitamin D binding MF
retinoid binding MF
11-cis retinal binc MF
all-trans retinal bi MF
cratty acid binding MF
copper ion bindin MF
detection of calci BP
collagen binding MF
cytoskeletal regul MF
insulin-like growt MF
profilin binding MF
tropomyosin binc MF
macrolide binding MF
FK506 binding MF
galactose binding MF
glucose binding MF
mannose binding MF
glycosaminoglyca MF
hyaluronic acid bi MF
folic acid binding MF
phospholipid binc MF
calcium-depende MF
1-phosphatidylinc MF
phosphatidylinosi MF
phosphatidylinosi MF
phospholipid tran MF
odorant binding MF
fibrinogen compli CC
membrane attack CC
collagen trimer CC
collagen type XV CC
fibrillar collagen t CC
collagen type I tri CC
collagen type II tr CC
collagen type III t CC
collagen type IV t CC
collagen type V tr CC
collagen type VI t CC
collagen type VII t CC
collagen type VIII CC
collagen type XI t CC
collagen type IX t CC
collagen type XII t CC
collagen type XIV CC
collagen type XVI CC
collagen type XIII CC
basement membr CC
laminin-1 comple CC
laminin-2 comple CC
laminin-3 comple CC
laminin-5 comple CC
interstitial matrix CC
intracellular CC
lamin filament CC
integral compone CC
nuclear envelope CC
annulate lamellae CC
nuclear lamina CC
nucleolar ribonuc CC
nuclear pre-replic CC
replication fork CC
alpha DNA polym CC
DNA replication f: CC
DNA replication f: CC
nuclear origin of r CC
RNA polymerase CC
RNA polymerase CC
transcription regl CC
RNA polymerase CC
transcription fact CC
Ada2/Gcn5/Ada3 CC
transcription fact CC
transcription fact CC
transcription fact CC
transcription fact CC
transcription fact CC
transcription fact CC
chromatin silenci CC
anaphase-promo CC
spliceosomal corr CC
U5 snRNP CC
U7 snRNP CC
U2-type spliceosc CC
U1 snRNP CC
U2 snRNP CC
U4 snRNP CC
U6 snRNP CC
U12-type spliceosc CC
U4atac snRNP CC
U6atac snRNP CC
telomerase holoe CC
chiasma CC
recombination nc CC
late recombinatic CC
pericentric heterc CC
perichromatin fib CC
nucleolus organiz CC
small nucleolar ril CC
RNA polymerase CC
mitochondrial en CC
mitochondrial ou CC
TIM23 mitochon CC
m-AAA complex CC
mitochondrial res CC
mitochondrial res CC
mitochondrial res CC
mitochondrial res CC
mitochondrial res CC
mitochondrial res CC
mitochondrial prc CC
mitochondrial prc CC
mitochondrial pei CC
mitochondrial int CC
mitochondrial ma CC
gamma DNA poly CC
mitochondrial rib CC
mitochondrial lar CC
mitochondrial sm CC
endosome CC
late endosome CC
multivesicular bo CC
vacuole CC
vacuolar membra CC
autophagosome CC
peroxisome CC
peroxisomal mem CC
integral compone CC
peroxisomal mat CC
Sec61 translocon
signal recognition
signal recognition
signal peptidase c
endoplasmic retic
rough endoplasm
endoplasmic retic
Golgi stack
Golgi lumen
Golgi medial ciste
Golgi-associated
cis-Golgi network
trans-Golgi netw
centrosome
centriole
microtubule orga
aster
spindle
actomyosin contr
polar microtubule
kinetochore micro
chaperonin-conta
hemoglobin com
heterotrimeric G-
proteasome regu
proteasome core
ribosome
polysome
mRNA cap bindi
nuclear cap bindi
mRNA cleavage a
mRNA cleavage s
mRNA cleavage f
eukaryotic transl
eukaryotic transl
eukaryotic transl
nascent polypept
axonemal dynein
muscle myosin cc
troponin complex
muscle thin filam
striated muscle r
striated muscle t
cytoplasmic dyne
dynactin complex  
kinesin complex  
plus-end kinesin c  
microtubule  
microtubule asso  
spindle microtubu  
axonemal microt  
nuclear microtub  
cytoplasmic micro  
intermediate filar  
neurofilament  
actin filament  
Arp2/3 protein cc  
potassium:proton  
sodium:potassium  
voltage-gated cali  
acetylcholine-gat  
interleukin-2 rece  
interleukin-5 rece  
interleukin-6 rece  
interleukin-13 rec  
insulin receptor c  
oncostatin-M rec  
caveola  
microvillus  
brush border  
clathrin-coated pi  
cell-cell junction  
adherens junction  
spot adherens jur  
zonula adherens  
fascia adherens  
septate junction  
gap junction  
connexin comple  
focal adhesion  
muscle tendon ju  
cilium  
axoneme  
cell cortex  
septin ring  
phosphatidylinosi  
phosphatidylinosi  
phosphatidylinosi  
6-phosphofructo
mitochondrial alp CC
acetoacetate synt CC
cAMP-dependent CC
CAAX-protein ger CC
calcium- and calnexin CC
calcineurin complex CC
protein kinase CK CC
DNA-dependent CC
glycine cleavage CC
phosphorylase kinase CC
protein farnesyltransferase CC
mitochondrial pyr CC
Rab-protein geranyl CC
serine-pyruvate a CC
ribonucleoside-diphosphate CC
carbohydrate metabolism BP
polysaccharide metabolism BP
glycogen metabolism BP
glycogen biosynthesis BP
regulation of glycogen BP
glycogen catabolism BP
regulation of glycogen BP
starch catabolism BP
disaccharide metabolism BP
sucrose metabolism BP
sucrose biosynthesis BP
lactose biosynthesis BP
trehalose metabolism BP
trehalose catabolism BP
monosaccharide metabolism BP
xylulose metabolism BP
xylulose catabolism BP
xylulose biosynthesis BP
fructose metabolism BP
fructose 6-phosphate BP
fructose 2,6-bisphosphate BP
fucose metabolism BP
glucose metabolism BP
glucose catabolism BP
UDP-glucose metabolism BP
galactose metabolism BP
mannose metabolism BP
D-ribose metabolism BP
5-phosphoribose metabolism BP
inositol metabolism BP
inositol biosynthesis BP
glycosaminoglycan BP
glycosaminoglycan BP
proteoglycan catabolic process BP
chitin catabolic process BP
glucosamine metabolic process BP
glucosamine catabolic process BP
N-acetylglucosamine metabolic process BP
N-acetylglucosamine metabolic process BP
N-acetylglucosamine metabolic process BP
UDP-N-acetylglucosamine BP
UDP-N-acetylglucosamine BP
UDP-N-acetylglucosamine BP
N-acetylmannosamine BP
N-acetylneuraminate BP
CMP-N-acetylneuraminic acid BP
sorbitol metabolic process BP
sorbitol biosynthesis BP
sorbitol catabolic process BP
UDP-glucuronate metabolic process BP
alcohol metabolic process BP
ethanol metabolic process BP
ethanol catabolic process BP
ethanol oxidation process BP
glycerol metabolic process BP
glycerol-3-phosphate metabolic process BP
organic acid metabolic process BP
acetyl-CoA metabolic process BP
acetyl-CoA biosynthetic process BP
acetyl-CoA biosynthetic process BP
lactate metabolic process BP
pyruvate metabolic process BP
generation of precursors BP
gluconeogenesis BP
glycolytic process BP
glyoxylate cycle BP
pentose-phosphate cycle BP
tricarboxylic acid cycle BP
citrate metabolic process BP
isocitrate metabolic process BP
2-oxoglutarate metabolic process BP
succinyl-CoA metabolic process BP
succinate metabolic process BP
fumarate metabolic process BP
oxaloacetate metabolism
malate metabolism
regulation of carbon metabolism
regulation of glycogen metabolism
regulation of glucose metabolism
energy reserve metabolism
glycerol biosynthesis
NADH oxidation
acetaldehyde metabolism
oxidative phosphorylation
mitochondrial electron transport
mitochondrial electron transport
mitochondrial electron transport
mitochondrial electron transport
ferredoxin metabolism
glycerophosphate metabolism
purine nucleobase metabolism
guanine catabolism
inosine catabolism
adenosine catabolism
deoxyadenosine metabolism
purine nucleotide metabolism
AMP biosynthesis
adenine salvage
dAMP biosynthesis
AMP catabolism
cAMP biosynthesis
GTP biosynthesis
dAMP biosynthesis
cAMP catabolism
dGTP catabolism
IMP biosynthesis
'de novo' IMP biosynthesis
ITP catabolism
purine nucleotide metabolism
AMP catabolism
AMP catabolism
AMP catabolism
AMP catabolism
IMP catabolism
pyrimidine nucleo BP
'de novo' pyrimid BP
pyrimidine nucleo BP
thymine catabolic BP
5-methylcytosine BP
uracil catabolic pr BP
pyrimidine nucleo BP
thymidine catabo BP
uridine catabolic BP
pyrimidine nucleo BP
UMP biosynthetic BP
UDP biosynthetic BP
dUMP biosynthet BP
UTP biosynthetic BP
dTMP biosynthetic BP
CTP biosynthetic BP
CMP catabolic pr BP
dCMP catabolic p BP
dCTP catabolic pr BP
CTP catabolic pro BP
UDP catabolic pro BP
UDP-glucose cata BP
DNA metabolic pr BP
DNA replication BP
DNA-dependent [BP
mitochondrial DN BP
DNA topological c BP
DNA ligation BP
pre-replicative co BP
DNA unwinding ir BP
DNA replication, : BP
DNA replication ir BP
DNA strand elong.BP
leading strand elc BP
lagging strand elo BP
regulation of DNA BP
RNA-dependent [ BP
DNA repair BP
regulation of DNA BP
transcription-cou BP
base-excision rep BP
base-excision rep BP
base-excision rep BP
base-excision rep BP
base-excision rep BP
termination of RNA
7-methylguanosine
mRNA splice site
mRNA polyadeny
mRNA cleavage
adenosine to inosine
transcription by RNA polymerase
transcription initiation
termination of RNA
RNA splicing, via RNA polymerase
mitochondrial transcription initiation
transcription elongation
termination of microRNA
RNA processing
mRNA 3'-end processing
tRNA metabolic processing
tRNA modification
mRNA catabolism
RNA localization
RNA import into ribosome
RNA export from ribosome
tRNA export from ribosome
RNA export from ribosome
RNA export from ribosome
tRNA export from ribosome
translation initiation
translation elongation
translation termination
regulation of translation
tRNA aminoacylation
alanyl-tRNA synthetase
arginyl-tRNA synthetase
asparaginyl-tRNA synthetase
aspartyl-tRNA synthetase
cysteinyl-tRNA synthetase
glutamyl-tRNA synthetase
glutaminyl-tRNA synthetase
glycyl-tRNA synthetase
histidyl-tRNA synthetase
isoleucyl-tRNA synthetase
leucyl-tRNA synthetase
lysyl-tRNA synthetase
methionyl-tRNA synthetase
phenylalanyl-tRNA BP
prolyl-tRNA amino BP
seryl-tRNA amino BP
threonyl-tRNA an BP
tryptophanyl-tRNA BP
tyrosyl-tRNA amino BP
valyl-tRNA amino BP
regulation of tran BP
regulation of tran BP
regulation of tran BP
regulation of tran BP
protein folding    BP
'de novo' protein BP
'cellular protein mBP
'signal peptide prc BP
protein phosphor BP
negative regulatio BP
protein dephosph BP
protein ADP-ribo:BP
protein acetylaic BP
N-terminal protei BP
internal protein a BP
protein deacetyla BP
protein sulfation    BP
peptidyl-tyrosine BP
protein methylati BP
N-terminal protei BP
C-terminal protei BP
protein demethyl BP
protein glycosylatBP
protein N-linked x BP
dolichol-linked oBP
dolichyl diphosphBP
oligosaccharide-li BP
N-glycan processi BP
protein O-linked x BP
protein lipidation BP
N-terminal protei BP
C-terminal protei BP
GPI anchor meta BP
GPI anchor biosy BP
GPI anchor releas BP
proteolysis    BP
membrane protei BP
protein monoubit BP
protein quality coBP
glycoprotein cata BP
glycoprotein deglycosyBP
peptide metaboli BP
cellular amino aci BP
regulation of cell.BP
arginine metaboliBP
arginine biosynth BP
arginine catabolic BP
asparagine metaBP
asparagine biosyr BP
aspartate metabc BP
aspartate biosynt BP
aspartate catabol BP
cysteine metabol BP
cysteine biosynth BP
 glutamate metab BP
 glutamate biosyn BP
 glutamate cataboBP
 glutamate cataboBP
 glutamate decarbBP
 glutamine metabBP
 glutamine biosyn'BP
 glutamine catabo BP
glycine metabolic BP
glycine biosynthe BP
glycine catabol jBP
histidine metabol BP
histidine catabolBP
isoleucine metabBP
isoleucine catabo BP
leucine metabolic BP
leucine catabolic BP
lysine catabolic pr BP
methionine meta BP
S-adenosylmethic BP
S-adenosylmethic BP
L-phenylalanine nBP
L-phenylalanine c BP
proline metabolic BP
proline biosynthe BP
proline catabolic BP
L-serine metaboli BP
L-serine biosynth BP
L-serine catabolic BP
threonine metabo BP
threonine catabo BP
tryptophan meta BP
tryptophan catab BP
tyrosine metabo BP
tyrosine catabo BP
valine metabolo BP
valine catabo p BP
cellular modified BP
cellular biogenic BP
amino-acid beta BP
amino-acid beta BP
ethanolamine me BP
acetylcholine cat BP
melanin metabolo BP
melanin biosynth BP
catecholamine m BP
octopamine biosy BP
thyroid hormone BP
ornithine metabo BP
ornithine biosynth BP
polyamine metab BP
polyamine biosyn BP
spermine biosyn BP
polyamine catab BP
creatine metabo BP
creatine biosynth BP
protein targeting BP
protein import in BP
NLS-bearing prote BP
ribosomal protei BP
protein export fr BP
protein targeting BP
cotranslational pr BP
SRP-dependent BP
SRP-dependent α BP
SRP-dependent α BP
posttranslational BP
protein retention BP
protein targeting BP
protein targeting BP
vacuolar protei BP
protein targeting BP
protein targeting BP
protein targeting BP
protein processin BP
fatty acid beta-ox BP
acyl-CoA metabol BP
neutral lipid metab BP
acylglycerol meta BP
monoacylglycerol BP
triglyceride metabol BP
triglyceride mobil BP
membrane lipid BP
phospholipid metab BP
phosphatidylethanolamine BP
phospholipid tran BP
glycerophospholipid BP
diacylglycerol bio BP
phosphatidic acid BP
phosphatidylglycerol BP
phosphatidylcholine BP
CDP-choline path BP
phosphatidylserine BP
phosphatidylserine BP
phosphatidylinositol BP
glycerol ether metabol BP
platelet activating BP
glycolipid metabolism BP
sphingolipid metab BP
3-keto-sphinganine BP
sphinganine metab BP
sphinganine-1-phosphoryl BP
sphinganine-1-phosphoryl BP
sphingosine meta BP
ceramide metab BP
glycosylceramide BP
glucosylceramide BP
glucosylceramide BP
glucosylceramide BP
galactosylceramide BP
galactosylceramide BP
sphingomyelin metabol BP
sphingomyelin catabolism BP
icosanoid metabolism BP
leukotriene metab BP
prostanoid metab BP
prostaglandin me BP
bile acid biosynth BP
C21-steroid horm BP
progesterone bio BP
androgen biosynt BP
estrogen biosynl BP
glucocorticoid bic BP
mineralocorticoid BP
steroid catabolic BP
cholesterol catab BP
androgen catabol BP
estrogen cataboli BP
glucocorticoid cat BP
sesquiterpenoid r BP
isoprenoid metab BP
cellular aromatic BP
eye pigment bios BP
tetrahydrobiopte BP
one-carbon meta BP
NADH metabolic BP
nicotinamide ribo BP
NADP metabolic f BP
NADPH regeneration BP
NADP biosynthetic BP
ubiquinone meta BP
ubiquinone biosy BP
FAD biosynthetic BP
glutathione meta BP
glutathione biosy BP
glutathione catab BP
nucleoside phosph BP
ATP biosynthetic BP
AMP phosphoryl BP
ATP generation fr BP
folic acid-containi BP
vitamin metabolic BP
biotin metabolic f BP
riboflavin metab BP
thiamine metab BP
vitamin A metab BP
Mo-molybdopter BP
porphyrin-contain BP
porphyrin-contain BP
uroporphyrinogen BP
succinyl-CoA path BP
protoporphyrinogen BP
heme biosynthesis BP
heme A biosynthesis BP
heme oxidation BP
bilirubin conjugate BP
sulfur compound BP
phosphate-containing BP
polyphosphate BP
polyphosphate calcium BP
superoxide metal BP
xenobiotic metabolism BP
nitrogen compound BP
regulation of nitrogen BP
nitric oxide biosynthesis BP
cation transport BP
potassium ion transport BP
sodium ion transport BP
phosphate ion transport BP
anion transport BP
chloride transport BP
cobalt ion transport BP
copper ion transport BP
iron ion transport BP
manganese ion transport BP
zinc ion transport BP
water transport BP
dicarboxylic acid transport BP
neurotransmitter BP
serotonin transport BP
mitochondrial transport BP
tricarboxylic acid transport BP
mitochondrial citrate transport BP
acyl carnitine transport BP
pyruvate transport BP
mitochondrial pyruvate transport BP
mitochondrial calcium transport BP
carnitine shuttle transport BP
drug transport membrane BP
oligopeptide transport BP
extracellular transport BP
nucleotide transport BP
pyrimidine nucleotide transport BP
amino acid transport BP
regulation of strié BP
induction by virus BP
syncytium format BP
acute-phase resπ BP
complement acti\BP
complement acti\BP
complement acti\BP
humoral immune BP
positive regulatio BP
positive regulatio BP
cellular defense r BP
response to osm\BP
hypotonic respon BP
hyperosmotic res BP
DNA damage indl BP
DNA damage res\BP
DNA damage res\BP
response to oxid\BP
response to lipid  BP
ER overload resp\BP
ER-nucleus signal BP
response to unfol BP
positive regulatio BP
response to stero BP
cellular response BP
organelle organiz BP
nucleus organizat BP
nuclear envelope BP
nuclear pore orga BP
nucleolus organiz BP
telomere mainter BP
mitochondrion or BP
mitochondrial mε BP
inner mitochondr BP
plasma membran BP
cytoskeleton orgε BP
actin ubiquitinatε BP
actin filament org BP
microtubule-base BP
microtubule-base BP
microtubule depc BP
microtubule nuc\BP
tubulin complex ε BP
post-chaperonin 1BP
negative regulatι BP
positive regulation
protein kinase C
phospholipase C
phospholipase C
phospholipase C
serotonin receptor
dopamine receptor
G protein-coupled
gamma-aminobutyric acid receptor
phospholipase C
G protein-coupled
neuropeptide receptor
Notch signaling
Notch receptor
Wnt signaling
patched ligand
positive regulation
osmosensory receptor
I-kappaB kinase
I-kappaB phosphorylation
cytoplasmic sequence
JNK cascade
activation of JNK
activation of JUN
JUN phosphorylation
nitric oxide mediator
small GTPase
Ras protein signaling
Rho protein signaling
chemical synaptic
neurotransmitter
neuron-neuron
synaptic transmission
neuromuscular
multicellular organism
gamete generation
germ cell development
spermatogenesis
spermatogonial
spermatid development
sperm axoneme
spermatid nucleus
female gamete
vitellogenesis
pole plasm assembly
insemination
single fertilization
binding of sperm
acrosome reaction
penetration of zygote
fusion of sperm to egg
egg activation
pronuclear fusion
regulation of mitosis
zygotic specification
zygotic determination
thorax and anterior
etermination of anterior and posterior
segment specification
ventral midline
ectoderm development
nervous system development
neuroblast fate determination
neuroblast proliferation
negative regulation
axonogenesis
axon guidance
axon target recognition
axon fasciculation
synapse assembly
ventral midline development
brain development
peripheral nervous system
sensory organ development
salivary gland development
foregut morphogenesis
hindgut morphogenesis
regulation of rhoBP
endoderm developmBP
endodermal cell f BP
midgut developmBP
visceral mesoderBP
posterior midgut BP
mesoderm developmBP
ectoderm and mesBP
mesodermal cell !BP
mesodermal cell !BP
gonadal mesoder BP
heart developmBP
mesoderm migratBP
adult heart developmBP
myoblast fate det BP
skeletal muscle ti BP
myoblast fusion BP
muscle cell fate d BP
visceral muscle d BP
somatic muscle d BP
neuromuscular junBP
establishment of BP
sex determination BP
sex differentiation BP
dosage compensBP
female pregnancy BP
embryo implantat BP
parturition BP
aging BP
cell aging BP
respiratory gaseo BP
digestion BP
excretion BP
body fluid secreti BP
lactation BP
blood coagулatior BP
blood coagulator BP
blood coagulator BP
hemostasis BP
sensory perceptio BP
visual perception BP
phototransductio BP
phototransductio BP
phototransductio BP
sensory perceptio BP
sensory perception BP
sensory perception BP
behavior BP
learning or memory BP
learning BP
memory BP
short-term memory BP
long-term memory BP
mating behavior BP
mating BP
copulation BP
negative regulation BP
rhythmic behavior BP
circadian rhythm BP
ultradian rhythm BP
grooming behavior BP
locomotory behavior BP
adult walking behavior BP
feeding behavior BP
visual behavior BP
chemosensory behavior BP
mechanosensory behavior BP
beta-catenin binding MF
regulation of hearing BP
G-protein-coupled MF
synaptic vesicle C-termini MF
transcription elongation CC
cyclin/CDK positivity CC
monocarboxylic acid MF
tRNA processing BP
high-density lipoprotein MF
cell recognition BP
neuron recognition BP
synaptic target recognition BP
intracellular ferritin CC
motor neuron axon BP
axon guidance receptor MF
enzyme activator MF
calcium sensitivity MF
male courtship behavior BP
female courtship behavior BP
sensory organ boundary BP
mitochondrial fusion BP
eye pigment granules BP
chitin binding MF
Toll signaling path BP
regulation of actin BP
establishment of BP
glutamate receptor MF
ornithine decarboxylase MF
guanylate cyclase CC
voltage-gated potassium CC
mesodermal cell rBP
translation termir MF
N-acetyltransferase MF
phosphoric diester MF
growth factor act MF
axo-dendritic trar BP
anterograde axon BP
retrograde axon BP
spectrin CC
cytoskeletal protein MF
cytoskeletal anchor MF
DNA-dependent MF
5S rRNA binding MF
protein localization BP
alcohol dehydrogenase MF
galactoside 2-alpha MF
UDP-glucose:hexose MF
N-acetylactosamine MF
alpha-methylacyl-CoA MF
nicotinamide N-ni MF
peptide-methionine MF
sarcosine oxidase MF
prostaglandin-I syn MF
sphinganine-1-phosphate MF
N-acetylactosamine MF
thiopurine S-methyl MF
ceramide glucosyl MF
ubiquinol-cytochrome MF
4-alpha-hydroxytryptophan MF
acyl-CoA dehydrogenase MF
quercetin 2,3-dioxygenase MF
primary amine oxoglutarate MF
transcription factor MF
translation factor MF
NADH dehydrogenase MF
protein tyrosine phosphorylation MF
nuclear localization MF
cAMP response e MF
oxysterol binding MF
drug binding MF
metabolic proces BP
hedgehog receipt MF
protein tyrosine Ζ MF
protein phosphat MF
mRNA methyltrans MF
RNA guanylyltrans MF
tRNA guanylyltrans MF
UDP-glycosyltrans:MF
phosphatidate ph MF
ferrous iron bindi MF
ion channel inhibi MF
bile acid metabol BP
C21-steroid horm BP
androgen metab BP
murine death BP
ionic channel inhibition BP
opsonization BP
peptidase activity

cysteine-type peptidase

metalloexopeptidase

serine-type peptidase

metallopeptidase

exopeptidase activity

dipeptidyl-peptidase

tripeptidyl-peptidase

peptidyl-dipeptidase

omega peptidase

1-alkyl-2-acetylglycerol

oligosaccharyltransferase

tRNA-specific adenylate kinase

nucleotidase activity

5'-nucleotidase

3'-nucleotidase

3-oxoacid CoA-transferase

pyrimidine-specific nucleotide kinase

Mo-molybdopterin

poly(U) RNA binding protein

JAK pathway signaling

secondary active sulfate transport

calcium, potassium

gamma-tubulin

gamma-tubulin

protein methyltransferase

regulation of G protein

cohesin complex

sulfonylurea receptor

inward rectifying potassium channel

insulin receptor

protein serine/threonine kinase

F-actin capping protein

acetylcholine biosynthesis

calcium- and calmodulin-dependent kinase

spermidine biosynthesis

3'-5'-exodeoxyribonuclease

single-stranded DNA binding protein

intracellular messenger RNA

isoprenoid biosynthesis

DNA binding, benzodiazepine receptor

integrin complex

associative learning
structural constitutemMF
voltage-gated ani MF
double-stranded MF
single-stranded D MF
double-stranded MF
7S RNA binding MF
G2/MI transition BP
protein prenyltransfer MF
protein transportmen MF
cation transportem MF
methyl-CpG binding MF
ionotropic glutam CC
protein tyrosine/th MF
high voltage-gate MF
low voltage-gate MF
endosome to lysosome BP
histone mRNA mBP
gamma-butyrobet MF
determination of BP
adult feeding behavior BP
adult locomotory BP
glial cell migration BP
MAP kinase kinas MF
katanin complex CC
RNA polymerase MF
germ cell migration BP
olfactory learning BP
asymmetric cell division BP
regulation of cell BP
regulation of cell BP
axon ensheathment BP
sialyltransferase MF
O-acyltransferase MF
acetylglucosamin MF
acetylgalactosam MF
galactosyltransferase MF
thioredoxin peroxidase MF
RNA splicing BP
mechanosensitivity MF
IkappaB kinase ac MF
IkappaB kinase cc C C
cholesterol monooxygenase MF
steroid 7-alpha-hydroxy MF
coumarin 7-hydroxyl MF
testosterone 16-ethyl MF
arachidonic acid r MF
arachidonic acid ε MF
steroid hydroxyla MF
oxysterol 7-alpha MF
sterol 12-alpha-h MF
sterol 14-demeth MF
retinoic acid 4-hy MF
25-hydroxycholesterol MF
arachidonic acid 1MF
arachidonic acid 1MF
gonad development BP
3'-5' exonuclease MF
5'-3' exonuclease MF
CoA-transferase ε MF
8-oxo-7,8-dihydr MF
fucosyltransferase MF
protein-N-termin MF
RNA lariat debran MF
RNA polymerase MF
gamma-glucosidase MF
glycoprotein 6-al MF
2-polyproenyl-6-m MF
protein kinase C i MF
calcium-dependent MF
ribonuclease inhib MF
phosphatidylethanol MF
selenium binding MF
vitamin E binding MF
JUN kinase bindin MF
thyrotropin-release MF
inositol-1,4,5-tris MF
3'(2'),5'-bisphospho MF
3-hydroxyisobutyryl MF
phosphofructokin MF
CDP-diacylglycerol MF
D-aspartate oxid MF
GDP-mannose 4,ε MF
N-acetylglycosamin MF
N-acetylglycosamin MF
RNA ligase activit MF
alanine-glyoxylate MF
alpha-1,3-mannos MF
alpha-1,6-mannos MF
alpha-N-acetylgal MF
beta-galactosyl-N MF
carnitine O-octan MF
cartroitin 6-sulf MF
dTDP-glucose 4,6 MF
glycero dehydr MF
glycogen glucos MF
[heparan sulfate] MF
histone-arginine l MF
isovaleryl-CoA de MF
palmitoyl-(protein MF
procollagen-lysine MF
protein-tyrosine s MF
pyridoxal kinase s MF
queine tRNA-rib MF
sarcosine dehydr MF
sphinganine kinas MF
sulfite oxidase acr MF
transaminase acti MF
sulfuric ester hyd MF
diphosphoinosito MF
gamma-glutamyl MF
UDP-galactose:gli MF
tetracycline trans MF
translation activa MF
protoheme IX far MF
UDP-galactose:be MF
melatonin recept MF
benzodiazepine ri MF
monoamine trans MF
sucrose:proton s MF
sodium:iodide sri MF
bile acid:sodium s MF
anion transmemb MF
sodium:bicarbon MF
sodium:potassium MF
secondary active MF
organic anion tra MF
folic acid transme MF
folate:anion antip MF
ammonium trans MF
L-ascorbate:sodi MF
acetyl-CoA transn MF
sodium-depended MF
phosphatidy lchol MF
phosphatidy linosi MF
taste receptor act MF
G protein-coupled MF
riboflavin kinase MF
N-acetyllactosam MF
oxidized purine n MF
respiratory chain BP
proteasome activ CC
proteasome regu CC
proteasome regu CC
visual learning BP
fibroblast growth BP
epidermis develop BP
JUN kinase kinase MF
proton-exporting MF
potassium transn MF
ATPase-coupled MF
microtubule-seve MF
ATP-dependent MF
JUN kinase phosp MF
regulation of sync BP
male gonad develop BP
female gonad develop BP
regulation of sma BP
regulation of Toll BP
regulation of Not BP
photoreceptor cell BP
anterior/posterior BP
calcium-depende MF
phosphorylase kiri MF
attachment of spi BP
alkylglycerone-phospholipid MF
ether lipid biosyn BP
peptidyl-lysine MF
pyridoxine biosyn BP
guanosine metab BP
epsilon DNA polymerase CC
extrinsic apoptosis BP
granzyme-mediated BP
intrinsic apoptosis BP
activation of cyste BP
ubiquitin-like motif MF
carbohydrate transfer BP
hexose transmer BP
rRNA methyltran MF
rRNA (uridine-2'-MF
cellular amino aci BP
lipopolysaccharid BP
phospholipid bios BP
pyrimidine-contai BP
cysteine-type enc MF
(3R)-hydroxymyri MF
2',3'-cyclic-nucle MF
2,3-dihydro-2,3-d MF
2,4-dienoyl-CoA r MF
2-octoprenyl-3-m MF
3-demethylubiqu MF
3-hydroxydecano MF
4-hydroxy-2-oxog MF
methionine synth MF
cholate 7-alpha-d MF
D-lactate dehydr MF
D-serine ammoni MF
DNA-3-methylade MF
L-allo-threonine a MF
N-acetylmuramo MF
NAD(P)+ transhyd MF
N-acetylneuramir MF
NADPH dehydrog MF
S-adenosylmethic MF
UDP-N-acetylg gluc MF
UDP-sugar diphos MF
acetate CoA-tran MF
N-acylneuraminal MF
agmatinase activi MF
alkyl hydroperoxi MF
arsenate reducta MF
bis(5'-nucleosyl)-1 MF
beta-aspartyl-pep MF
betaine-aldehyde MF
bis(5'-nucleosyl)-1 MF
cardiolipin synth MF
chloramphenicol MF
choline dehydrop MF
cob(I)yrinic acid a MF
crossover junction MF
cupric reductase MF
dATP pyrophosph MF
glutamine family  BP
aspartate family  aBP
serine family aminoBP
serine family aminoBP
serine family aminoBP
aromatic amino acidBP
aromatic amino acidBP
pyruvate family a BP
branched-chain amino acidBP
branched-chain amino acidBP
branched-chain amino acidBP
methionine biosynthesis BP
methionine catabolism BP
isoleucine biosynthesis BP
leucine biosynthesis BP
valine biosynthesis BP
glycoprotein metabolism BP
glycoprotein biosynthesis BP
lipopolysaccharide BP
lipote metabolic BP
lipote biosynthesis BP
purine nucleobase BP
xanthine catabolism BP
nucleoside metabolism BP
nucleoside metabolism BP
nucleoside monophosphate BP
cyclic nucleotide BP
pyrimidine ribonucleoside BP
pyrimidine deoxy BP
nucleotide-sugar BP
nucleotide-sugar BP
thiamine diphospho BP
riboflavin biosynthesis BP
menaquinone biosynthesis BP
cobalamin metabolism BP
cobalamin biosynthesis BP
isopentenyl diphosphate BP
glycolipid biosynthesis BP
protein lipoylation BP
peptidoglycan synthesis BP
10-formyltetrahydrofolic acid BP
10-formyltetrahydrofolic acid BP
10-formyltetrahydrofolic acid BP
ribonucleotide diphosphate BP
deoxyribonucleotide BP
deoxyribonucleotide BP
deoxyribonucleotide BP
response to temperature BP
response to pH BP
nucleoid CC
GDP-mannose biosynthesis BP
mRNA transcription BP
snRNA transcription BP
rRNA transcription BP
tRNA transcription BP
protein biotinylation BP
protein secretion BP
amine metabolism BP
amine biosynthesis BP
oligosaccharide synthesis BP
oligosaccharide synthesis BP
oligosaccharide synthesis BP
response to radiation BP
acetyl-CoA carboxylase CC
phenylalanine-tRNA isomerase CC
DNA topoisomerase CC
glycerol-3-phosphate dehydrogenase CC
mitochondrial oxaloacetate CC
DNA polymerase CC
succinate-CoA ligase CC
endopeptidase CC
biotin binding MF
four-way junction MF
rRNA (cytosine-C!MF
N-acylmannosam MF
translational atte BP
phospholipid cata BP
folic acid-containi BP
FMN biosynthetic BP
toxin biosynthetic BP
toxin metabolic p BP
pathogenesis BP
response to heat BP
response to xeno BP
response to UV BP
response to water BP
response to light BP
NAD biosynthetic BP
glyoxylate cata BP
carnitine metabo BP
methylglyoxal me BP
cyanate catabolic BP
glycolate metabo BP
pyridoxal 5'-phos BP
pyruvate oxidatio BP
putrescine metab BP
putrescine biosyn BP
putrescine catab BP
gamma-aminobul BP
gamma-aminobul BP
gamma-aminobul BP
RNA modification BP
7-methylguanosir BP
fertilization BP
detection of abioti BP
detection of light BP
detection of visible BP
detection of cheni BP
detection of bioti BP
response to symb BP
response to woui BP
response to fung BP
response to nemt BP
response to grav BP
cold acclimation BP
response to herbi BP
response to toxic BP
cytoplasmic side CC
auditory receptor BP
epidermal cell dif BP
hormone transpo BP
sterol 5-alpha red MF
fatty acid elongas MF
fatty acid elongas CC
basal plasma mer CC
calcium-depende MF
proximal/distal a BP
anterior/posterio BP
polarity specificat BP
dorsal/ventral axi BP
anterior/posterio BP
dorsal/ventral pa BP
proximal/distal p:BP
radial pattern for BP
epidermal cell fat BP
regulation of sign BP
positive regulatio BP
negative regulatio BP
cytidine deamina BP
pseudouridine syn MF
cellular process BP
cell-cell recognitik BP
response to extra BP
cellular water hor BP
oocyte differentia BP
glial cell different BP
cardioblast differ BP
amylopectin biosi BP
wax biosynthetic BP
meiotic chromoso BP
response to orgar BP
response to acet BP
response to inorg BP
response to meta BP
response to iron i BP
response to iron( BP
response to iron( BP
response to manq BP
response to zinc i BP
response to alum BP
response to mycc BP
zygote asymmetr BP
cellular response BP
arginine catabolic BP
phenylacetate cat BP
proline catabolic BP
farnesyl diphosph BP
regulation of prot BP
response to chlor BP
specification of cell BP
response to cesium BP
response to X-ray BP
body morphogen BP
embryonic body r BP
FMN binding MF
positive regulation BP
vitamin E biosynthesis BP
response to ozone BP
response to ionizing BP
maintenance of cell BP
response to UV-B BP
response to UV-C BP
response to lithium BP
vascular transport BP
response to organ BP
establishment or BP
response to glucose mediated BP
endomembrane s BP
NADH dehydrogenase BP
multicellular organ BP
animal organ senescence BP
SCF complex assembly BP
response to vitamin BP
response to selenium BP
response to silver BP
detoxification of c BP
response to lead BP
acireductone dioxygenase MF
regulation of hydroxylation BP
detoxification of ion BP
phosphatidylinositol MF
membrane invagination BP
lithium;proton antiporter MF
regulation of anionic BP
negative regulation BP
chromocenter CC
perinucleolar chromatin CC
double-stranded  MF
COP9 signalosom  BP
regulation of G2/ BP
histone monoubiBP
3,4-dihydroxy-5-pteroyl MF
DNA methylation BP
methyl-CpNpG bi MF
fatty acid omega- BP
carotenoid dioxygen MF
response to alkali BP
response to acidic BP
regulation of cell BP
negative regulatBP
positive regulatio BP
centriole-centriol BP
exit from mitosis BP
negative regulatBP
positive regulatio BP
mesenchymal cell BP
regulation of mes BP
nerve growth fact BP
gene expression  BP
regulation of sign BP
regulation of gastro BP
response to sulfu BP
epidermal cell div BP
regulation of epider BP
H3 histone acetyl MF
H4 histone acetyl MF
cytoplasmic stress CC
proteasomal prot BP
proteasomal ubiquiBP
RNA secondary str BP
negative regulatBP
positive regulatio BP
polyamine home BP
regulation of acet BP
negative regulatBP
positive regulatio BP
regulation of phos BP
positive regulatio BP
negative regulatBP
telomerase inhibi MF
regulation of calc BP
negative regulatBP
positive regulation BP
negative regulation BP
regulation of actin BP
positive regulation BP
regulation of platelet BP
negative regulation BP
positive regulation BP
regulation of glycogen BP
positive regulation BP
regulation of cell BP
regulation of cell BP
regulation of ketone BP
regulation of double BP
positive regulation BP
positive regulation BP
vascular endothelial BP
regulation of vascular BP
positive regulation BP
glutamine secretion BP
miRNA metabolic BP
miRNA catabolic BP
regulation of lamellar BP
positive regulation BP
negative regulation BP
regulation of endocytosis BP
positive regulation BP
negative regulation BP
regulation of cytochrome BP
positive regulation BP
negative regulation BP
posttranscriptional BP
mRNA localization BP
regulation of mRNA BP
regulation of carcinoembryonic BP
positive regulation BP
negative regulation BP
negative regulation BP
programmed cell death BP
positive regulation BP
negative regulation BP
negative regulation BP
epithelial cell migration BP
regulation of epithelial BP
negative regulation BP
regulation of mitc BP
positive regulatio BP
negative regulatio BP
positive regulatio BP
regulation of plat BP
positive regulatio BP
negative regulatio BP
cell communicatio BP
negative regulatio BP
positive regulatio BP
positive regulatio BP
negative regulatio BP
muscle cell apopt BP
cardiac muscle ce BP
negative regulatio BP
positive regulatio BP
negative regulatio BP
ectodermal cell d BP
epithelial structur BP
negative regulatio BP
positive regulatio BP
acetyltransferase MF
negative regulatio BP
positive regulatio BP
meiotic DNA doul BP
ganglioside biosynt BP
globoside biosynt BP
regulation of coll: BP
negative regulatio BP
regulation of coll: BP
regulation of extr BP
negative regulatio BP
regulation of epit BP
positive regulatio BP
negative regulatio BP
negative regulatio BP
regulation of fern BP
regulation of defi BP
negative regulatio BP
positive regulatio BP
negative regulatio BP
negative regulatio BP
positive regulatio BP
negative regulatio BP
serum response e MF
protein kinase A :BP
regulation of prot BP
positive regulatio BP
regulation of mac BP
positive regulatio BP
negative regulatic BP
positive regulatio BP
negative regulatic BP
regulation of nitri BP
positive regulatio BP
negative regulatic BP
regulation of cGMP BP
positive regulatio BP
negative regulatic BP
regulation of plas BP
positive regulatio BP
negative regulatic BP
positive regulatio BP
negative regulatic BP
fibroblast migrati BP
regulation of fibrin BP
positive regulatio BP
negative regulatic BP
positive regulatio BP
negative regulatic BP
regulation of tran BP
negative regulatic BP
regulation of cell BP
meiotic DNA doul BP
DNA double-strar BP
regulation of mRF BP
regulation of ubic BP
regulation of mul BP
positive regulatio BP
negative regulatic BP
regulation of tum BP
negative regulatic BP
regulation of syn BP
positive regulatio BP
regulation of cell-BP
positive regulatio BP
negative regulatic BP
neuropeptide cat BP
substance P cata BP
bradykinin catabolism BP
calcitonin catabolism BP
regulation of hormone BP
positive regulation BP
regulation of mitochondrion BP
positive regulation BP
negative regulation BP
regulation of centriole BP
positive regulation BP
negative regulation BP
regulation of glucoseBP
positive regulation BP
negative regulation BP
telomere maintenance BP
regulation of protein BP
negative regulation BP
regulation of keratin BP
positive regulation BP
regulation of retina layer formation BP
regulation of cholesterol BP
regulation of cholesteryl ester BP
regulation of proteasome BP
adenylate cyclase MF
calcium-dependent MF
positive regulation BP
regulation of triglyceride BP
positive regulation BP
negative regulation BP
regulation of cholesterol BP
regulation of cholesterol storage BP
regulation of release BP
regulation of carcinoma BP
regulation of carc BP
regulation of lipid BP
positive regulation BP
positive regulation BP
negative regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
negative regulation BP
positive regulation BP
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negative regulation BP
CoA pyrophosphate BP
negative regulation BP
negative regulation BP
positive regulation BP
positive regulation BP
positive regulation BP
negative regulation BP
negative regulation BP
negative regulation BP
negative regulation BP
magnesium ion BP
cellular magnesium BP
regulation of mitc BP
regulation of pho BP
regulation of micr BP
transport along r BP
positive regulation BP
negative regulation BP
regulation of neu BP
positive regulation BP
negative regulation BP
positive regulation BP
positive regulation BP
regulation of low-BP
negative regulation BP
regulation of SMA BP
ubiquitin recycling BP
free ubiquitin chain BP
anaphase-promo1 MF
regulation of tran BP
regulation of eIF2 BP
programmed cell BP
induction of prog BP
endomembrane sCC
ER to Golgi trans CC
trans-Golgi netw CC
astrocyte develop BP
oligodendrocyte t BP
microglia differentiate BP
microglia develop BP
positive regulation BP
glial cell proliferation BP
Schwann cell prol BP
peripheral nerv BP
regulation of gliomatosis BP
positive regulation BP
neuroblast differentiate BP
notochord forma BP
neural crest forma BP
mesenchymal cell BP
neural crest cell d BP
neural crest cell d BP
neural crest cell f BP
neural crest cell f BP
Schwann cell differentiate BP
regulation of Schw BP
smooth muscle h'BP
regulation of somBP
release of seques BP
regulation of skel BP
positive regulatio BP
skeletal muscle sc BP
regulation of skel BP
tonic smooth mu:BP
response to activiBP
artery smooth m BP
vein smooth mus BP
intestine smooth BP
vascular smooth rBP
urinary bladder s BP
skeletal muscle sc BP
myoblast differenBP
myoblast migrati BP
skeletal muscle sc BP
regulation of skel BP
growth factor deq BP
esophagus smooth BP
response to musc BP
response to inact BP
regulation of skel BP
positive regulatio BP
regulation of skel BP
skeletal myofibril BP
response to musc BP
response to musc BP
response to injun BP
response to elect BP
transition between BP
transition between BP
muscle atrophy _BP
striated muscle atBP
response to dene BP
smooth muscle h'BP
muscle hypertropBP
cardiac muscle h yBP
satellite cell activ BP
myotube differen BP
myotube cell dev BP
myoblast fusion ii BP
myotube differen BP
smooth muscle cBP
regulation of smo BP
positive regulatio BP
negative regulati BP
regulation of lung BP
heme-copper ter MF
heparan sulfate p BP
heparan sulfate p BP
heparan sulfate p BP
[heparan sulfate] MF
galactosylgalacto MF
heparan-alpha-gli MF
glucuronosyltrans MF
coreceptor activit MF
Cajal body CC
protein disulfide r MF
disulfide oxidorec MF
peptide disulfide MF
glutathione disulf MF
NADPH-adreno MF
secretin receptor MF
thrombin-activat MF
amidinotransfera MF
glycine amidinotr MF
DNA integration BP
ion transmembra MF
proton transmem MF
potassium ion tra MF
sodium ion transr MF
calcium ion trans MF
cadmium ion tran MF
cobalt ion transm MF
ferrous iron trans MF
lead ion transme MF
magnesium ion tr MF
molybdate ion trc MF
nickel cation tran MF
vanadium ion trai MF
organic cation tra MF
arsenite transme MF
bicarbonate trans MF
chloride transme MF
iodide transmelf MF
nitrate transmem MF
phosphate ion tra MF
sulfate transmem MF
thiosulfate transm
bile acid transm
canalicular bile ac
bilirubin transm
lactate transmem
mevalonate transm
oxaloacetate tranm
prostaglandin tra
sialic acid transm
citrate transm
alpha-ketoglutarate
malate transm
succinate transm
tricarboxylic acid
urate transmem
carbohydrate transm
pentose transm
fucose transm
alpha-glucoside
glucose-6-phosph
glucuronoside tra
pyrimidine nuclec
polyl transmem
glycerol transm
amino acid trans
acidic amino acid
aromatic amino a
basic amino acid
neutral amino ac
L-amino acid tran
L-alanine transm
arginine transm
L-asparagine tran
L-aspartate transm
L-cystine transm
gamma-aminobu
L-glutamine transm
glycine transm
L-isoleucine transm
L-lysine transmen
L-leucine transm
L-methionine tran
L-proline transm
L-serine transmern
L-threonine transm
L-tryptophan transport
amino-acid betaine transport
urea transport
nucleobase transport
adenine transport
purine nucleoside transport
cytidine transport
uridine transport
pyrimidine nucleotide transport
purine nucleotide transport
ADP transport
pyrimidine nucleotide transport
choline transport
biotin transport
carnitine transport
acyl carnitine transport
coenzyme A transport
L-ascorbic acid transport
FAD transport
heme transporter
pantothenate transport
thiamine transport
fatty acid transport
aminophospholipid transport
sterol transporter
water channel activity
proton channel activity
glycerol channel activity
urea channel activity
calcium-activated activity
outward rectifier activity
ATP-activated activity
stretch-activated activity
ligand-gated ion channel activity
kainate-selective activity
store-operated activity
ligand-gated sodium channel activity
porin activity
uniporter activity
symporter activity
solute:proton symporter activity
anion:cation symporter activity
antiporter activity
solute:proton antiporter activity
anion: anion antip
phosphate: proton s
sodium: inorganic MF
peptide: proton s
sodium: independent MF
thyroid hormone MF
methotrexate tra MF
low-affinity sodiu MF
high-affinity sodiu MF
oxoglutarate: mal MF
calcium: cation an MF
calcium: proton ar MF
glycine: sodium sy MF
cation: chloride sy MF
sodium: chloride s MF
potassium: chloric MF
sodium: sulfate sy MF
sodium: proton ar MF
potassium: protonor MF
pyrimidine- and a MF
purine-specific n MF
manganese trans MF
ATPase-coupled p MF
ATPase-coupled g MF
ATPase-coupled t MF
ATPase-coupled r MF
ATPase-coupled l MF
ATPase-coupled l MF
P-P-bond-hydroly MF
oxidoreduction- d MF
potassium chann MF
acetylcholine reci MF
G-protein activat MF
cation: cation anti MF
gamma-aminobu MF
formate transme MF
glutamate: sodium MF
propionate transr MF
efflux transmem MF
ATPase-coupled f MF
DNA translocase a MF
tubulin binding MF
short-chain fatty MF
toxic substance b MF
fatty acid ligase a MF
peptidoglycan tra MF
quaternary ammonium MF
branched-chain a MF
formate efflux tra MF
carbon dioxide tra BP
oxygen transport BP
monovalent inorganic BP
nickel cation tra BP
vanadium ion tra BP
copper ion import BP
protein maturation BP
molybdate ion tra BP
lead ion transport BP
magnesium ion tra BP
mercury ion trans BP
organic cation tra BP
ammonium trans BP
quaternary ammonium BP
inorganic anion tra BP
arsenite transport BP
bicarbonate trans BP
iodide transport BP
nitrate transport BP
nitrite transport BP
thiosulfate transport BP
organic anion transport BP
hexose phosphate BP
monocarboxylic acid BP
bile acid and bile BP
canalicular bile acid BP
bilirubin transport BP
formate transport BP
lactate transport BP
mevalonate transport BP
oxaloacetate transport BP
propanoate transport BP
prostaglandin tra BP
taurine transport BP
sialic acid transport BP
alpha-ketoglutarate BP
succinate transport BP
citrate transport BP
urate transport BP
pentose transport BP
fructose transme BP
fucose transmem BP
galactose transm BP
glucose-6-phosph BP
sucrose transport BP
polysaccharide transm BP
glucuronoside trans BP
CMP-N-acetylneu BP
UDP-glucose trans BP
UDP-glucuronic a BP
UDP-N-acetylgala BP
UDP-xylose trans BP
polyol transport BP
glycerol transport BP
mannitol transport BP
myo-inositol tran BP
aromatic amino a BP
basic amino acid BP
branched-chain a BP
neutral amino aci BP
S-adenosyl-L-met BP
L-amino acid tran BP
L-alanine transpo BP
arginine transpor BP
aspartate transm BP
L-cystine transport BP
gamma-aminobu BP
L-glutamate trans BP
glycine transport BP
histidine transport BP
lysine transport BP
leucine transport BP
methionine trans BP
ornithine transpo BP
phenylalanine tra BP
proline transport BP
L-serine transport BP
threonine transp BC
tryptophan trans BP
tyrosine transpor BP
valine transport BP
peptide transport BP
peptidoglycan tra BP
amine transport BP
amino-acid betair BP
urea transport BP
aminergic neurotransmitter BP
monoamine transport BP
organic hydroxy c BP
nucleobase transport BP
adenine transport BP
guanine transport BP
pyrimidine nucleotide BP
nucleoside transport BP
purine nucleoside BP
cytidine transport BP
uridine transport BP
pyrimidine nucleotide BP
purine nucleotide BP
ADP transport BP
ATP transport BP
purine ribonucleotide BP
choline transport BP
dopamine transport BP
norepinephrine transport BP
acetyl-CoA transport BP
biotin transport BP
carnitine transport BP
creatine transport BP
L-ascorbic acid transport BP
folic acid transport BP
heme transport BP
pantothenate transport BP
thiamine transport BP
cobalamin transport BP
siderophore transport BP
tetracycline transport BP
fatty acid transport BP
long-chain fatty acid BP
long-chain fatty acid BP
long-chain fatty acid BP
short-chain fatty acid BP
short-chain fatty acid BP
phospholipid transport BP
fatty-acyl-CoA transport BP
aminophospholipid BP
peroxisomal membrane BP
lipopolysaccharide BP
mannosidase activity MF
glucosidase activity MF
trehalase activity MF
hexosaminidase α MF
nucleobase-conta BP
large ribosomal si CC
small ribosomal s CC
coenzyme A met BP
coenzyme A biosi BP
coenzyme A catal BP
pantothenate me BP
formate metaboli BP
nucleobase-conta BP
diadenosine poly BP
diadenosine triph BP
diadenosine tetra BP
energy derivation BP
ATP synthesis col BP
electron transpor BP
chlorophyll biosynthesis BP
phospholipase ac MF
phospholipase A2 MF
dystrophin-associ CC
dystroglycan com CC
sarcoglycan com CC
syntrophin compl CC
morphogen activi MF
cyclosporin A bin MF
peptidoglycan im MF
CDP-diacylglycerol BP
rhabdomere CC
tRNA import into BP
maleylacetoacetate MF
zeta DNA polyme CC
cellular response BP
lipid catabolic prc BP
cellular compone BP
detection of bacti BP
detection of fung BP
detection of temp BP
vesicle organizati BP
carbohydrate bio: BP
carbohydrate cat: BP
Wnt signaling pat BP
rhodopsin mediati BP
RNA metabolic pr BP
mRNA metabolic BP
rRNA metabolic p BP
snRNA metabolic BP
snoRNA metabolic BP
tRNA catabolic pr BP
snRNA catabolic ζ BP
snoRNA catabolic BP
trRNA catabolic pr BP
synaptic vesicle e BP
synaptic vesicle t:BP
synaptic vesicle d BP
synaptic vesicle p BP
polyprenol biosyn BP
polyprenol catabol BP
monoterpenoid n BP
diterpenoid meta BP
triterpenoid biosyn BP
carotenoid meta BP
carotene metabo BP
carotene catabol BP
xanthophyll meta BP
sterol metabolic ζ BP
glycoside catabol BP
translation release MF
nickel cation bind MF
urocanate hydrat MF
pyrimidine-nucleotide MF
formyltetrahydro MF
linoleate 13S-lipo MF
glial cell-derived r MF
interleukin-15 rec MF
NAD(P)H oxidase MF
superoxide-gener MF
snRNA processing BP
synaptic vesicle b BP
synaptic vesicle π BP
synaptic vesicle t:BP
synaptic vesicle u BP
vesicle-mediated BP
endosomal trans BP
axon choice point BP
axon midline choi BP
regulation of stri BP
muscle attachme BP
catechol O-meth MF
myristoyl-[acyl-ca MF
palmitoyl-[acyl-ca MF
acyl-[acyl-carrier- MF
lipase activity MF
tRNA (uracil) met MF
1-phosphatidylin MF
phosphatidylinosi MF
1-phosphatidylin MF
1-phosphatidylin MF
depphosphorylatio BP
inositol bisphosp MF
phosphatidylinosi MF
phosphatidylinosi MF
endoplasmic retic BP
female meiosis ch BP
neuron remodelir BP
basolateral plasm CC
apical plasma me CC
apicolateral plasm CC
lateral plasma me CC
morphogenesis o BP
establishment or BP
calcium-independ BP
calcium-depende BP
calcium-depende BP
catenin complex CC
meiotic chromos BP
dendrite develop BP
activin receptor a MF
activin receptor a MF
nuclear matrix CC
palmitoyl-CoA oxi MF
pristanoyl-CoA ox MF
dimethylargininas MF
15-hydroxyprosta MF
CoA-ligase activit MF
acetyltransferase MF
palmitoyltransfer MF
N-acyltransferase MF
acylglycerol O-acy MF
octanoyltransfer MF
S-acetyltransfera MF
S-malonyltransfer MF
CoA carboxylase i MF
mRNA (2’-O-meth MF
tRNA (guanine) m MF
tRNA (cytosine) r MF
tRNA (cytosine-5-MF
tRNA (adenine-N1:MF
tRNA (adenine-N6:MF
tRNA-uridine ami MF
rRNA (adenine) r MF
rRNA (guanine) m MF
tRNA cytidylyltrar MF
posttranscription BP
RISC complex CC
somatic cell DNA BP
somatic diversific BP
somatic hypermu BP
somatic recombin BP
C-acetyltransfera:MF
gene silencing BP
myosin complex CC
myosin II comple:CC
unconventional n CC
pyrophosphatase MF
proton-transportCC
vacuolar proton-t CC
regulation of emt BP
negative regulat BP
negative regulat BP
cytosolic transpo BP
protein processin BP
peptide hormone BP
farnesol catabolic BP
C-C chemokine re MF
C-X-C chemokine MF
C-X3-C chemokin MF
substance P rece MF
substance K rece MF
protein-hormone MF
prostacyclin rece MF
pheromone rece MF
peptidase activat MF
peptidase activat MF
mitochondrial fat CC
long-chain-enoyl MF
long-chain-3-hydr MF
core-binding fact CC
SWI/SNF complex CC
interleukin-12 rec MF
gastric inhibitory MF
growth hormone-MF
latrotoxin receptor MF
sarcoplasm CC
metallochaperone MF
copper chaperone MF
superoxide dismutase MF
protein kinase 5 CC
cyclin-dependent MF
intein-mediated MF
protein autoprocesse BP
base conversion c BP
cytidine to uridin BP
mRNA modification BP
peroxisome membrane BP
protein import into BP
peroxisome fission BP
protein import into BP
covalent chromat BP
histone modification BP
histone phosphatase BP
histone acetylase BP
histone ubiquitination BP
histone deacetylation BP
histone dephosphorylation BP
histone demethylation BP
histone deubiquitination BP
Sin3 complex CC
NuRD complex CC
nucleosome positioning BP
RSC-type complex CC
NURF complex CC
ACF complex CC
RNA polymerase complex CC
mediator complex CC
Cdc73/Paf1 complex CC
glycine binding MF
glutamate binding MF
thienylcyclohexyl MF
amino acid binding MF
protein arginyltransferase BP
flotillin complex CC
Rac protein signaling BP
CCAAT-binding factor, glutaminyl-peptidyl MF nuclear body, PML body, growth hormone, oxidoreductase a-MF, malate dehydrogenase MF, hydroxypyruvate oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, 2-oxoglutarate dehydrogenase MF, flavonoid 3'-monooxygenase MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, oxidoreductase a-MF, hydroxymethyl-, 1-MF, carboxyl- or carbonyltransferase activity MF, transferase activity MF, transferase activity MF, transferase activity MF, transferase activity MF, transferase activity MF, spermine synthase MF, transferase activity MF
phosphotransferase MF
sulfurtransferase MF
3-mercaptopyruv transferase activity MF
thiolester hydrolase MF
phosphatase activity MF
dipeptidase activity MF
cysteine-type carboxylase MF
hydrolase activity MF
threo-lyase activity MF
cysteine-type carboxy-lyase MF
oxo-acid-lyase activity MF
hydro-lyase activity MF
ammonia-lyase activity MF
strictosidine synthase MF
carbon-sulfur lyase MF
phosphorus-oxygen isomerase activity MF
carboxy-lyase activity MF
intramolecular oximes MF
carbon-nitrogen isomerase activity MF
ecdesoxyribonuclease MF
site-specific endonuclease MF
6-phosphoglucon MF
serine C-palmitoy CC
3-galactosyl-N-ac MF
S-methyl-5-thioac MF
fatty acid amide † MF
single-strand sele MF
snRNA binding MF
U6 snRNA binding MF
intracellular cyclic CC
syntaxin-1 binding MF
purine nucleotide MF
oxidative phospho MF
sodium channel r MF
chloride channel † MF
4-galactosyl-N-ac MF
response to insec BP
mitochondrial prc CC
glycolipid transfer MF
meprin A comple: CC
heparan sulfate 6 MF
acetylserotonin CMF
sulfonylurea rece MF
very-long-chain-a MF
aminoacyl-tRNA s CC
5'-flap endonucle MF
glutamate-cysteir CC
nucleoside-dipho MF
nucleoside-triph MF
dihydropyrimidin MF
single-stranded D MF
lipoyltransferase MF
Golgi transport cc CC
plasma membran BP
protein N-acetylg CC
SH3 domain bindi MF
deoxyctidyl tran MF
nucleologenesis BP
phospholipid scra MF
triglyceride bindir MF
poly(C) RNA bindi MF
fibroblast growth MF
NAD-dependent † MF
insecticide metab BP
drug metabolic pr BP
stem cell division BP
NMDA selective gCC
Wnt-protein bind MF
negative regulatiBP
trNA dihydourid MF
DEAD/H-box RNA MF
sodium:dicarboxyMF
semaphorin receBP
Calcium-ion regulaBP
regulation of exoBP
regulation of calc BP
pantetheine hydr MF
inositol-1,3,4-tris|MF
aryl hydrocarbon MF
vinculin binding MF
5-oxoprolinase (AMF
serine hydrolase iMF
glycine N-methyltMF
phosphatidylinosiMF
glucosidase II conCC
diphthine-ammor MF
peptidyl-diphthar BP
peptidyl-lysine hy BP
peptidyl-pyroglut BP
peptidyl-glutamic BP
aspartate N-acet|M
N-terminal peptic BP
N-terminal peptic BP
N-terminal peptic BP
N-terminal peptic BP
N-terminal peptic BP
N-terminal peptic BP
N-terminal peptic BP
N-terminal peptic BP
N-terminal peptic BP
N-terminal peptic BP
peptidyl-histidine BP
peptidyl-lysine m BP
peptidyl-lysine tri BP
calmodulin-lysine MF
peptidyl-lysine m BP
peptidyl-lysine di BP
protein amidation BP
peptidyl-lysine ox BP
cytochrome c-her BP
protein-histidine MF
N-terminal peptic BP
protein polyglycylc BP
protein polyglutamate BP
protein citrullinat BP
peptidyl-serine pl BP
peptidyl-histidine BP
peptidyl-threonin BP
peptidyl-tyrosine BP
threonine racemase BP
protein adenyllyla BP
peptidyl-cysteine BP
peptidyl-arginine BP
peptidyl-cysteine BP
protein hydroxyla BP
protein-DNA covBP
keratan sulfate bi BP
peptide cross-link BP
iso peptide cross-l BP
protein oxidation BP
peptidyl-pyrrome BP
C-terminal protei BP
peptidyl-cysteine BP
peptidyl-amino arab BP
peptidyl-glutamic BP
peptidyl-lysine m BP
peptidyl-methion BP
peptidyl-proline r BP
peptidyl-arginine BP
peptidyl-L-cystein BP
protein O-linked 1 BP
protein O-linked 4 BP
biotin-protein ligase MF
protein-pyridoxal BP
iso peptide cross-l BP
protein deaminat BP
protein N-linked 1 BP
iron incorporation BP
protein-FAD linka BP
protein-chromop BP
peptidyl-serine Al BP
molybdenum incc BP
protein prenylatix BP
protein farnesylation BP
protein geranylge BP
protein palmitoyl BP
protein esterificat BP
protein-pyridoxal BP
peptidyl-glutamin BP
internal peptidyl- BP
peptidyl-lysine ac BP
peptidyl-lysine hy BP
peptidyl-proline f BP
peptidyl-proline f BP
protein C-linked g BP
protein C-termini MF
peptidyl-glutamic BP
translation release CC
alcohol dehydrog MF
formaldehyde de MF
benzaldehyde del MF
malonate-semial MF
benzaldehyde del MF
methanethiol oxi MF
4-nitrophenol 2-n MF
phenanthrene 9,1 MF
(S)-limonene 6-m MF
(S)-limonene 7-m MF
alkane 1-monoox MF
3,4-dihydrocoum MF
5-formylglutathio MF
acetylpuruvate h MF
3-hydroxyacyl-Co MF
benzoate-CoA lig MF
arsonoacetate me BP
benzoate metabo BP
biphenyl metabol BP
carbon tetrachlor BP
dibenzo-p-dioxin BP
benzene metabol BP
nitrobenzene me BP
naphthalene met BP
phenol-containin BP
4-nitrophenol me BP
phthalate metab BP
propylene metab BP
thiocyanate meta BP
trichloroethylene BP
guanyl nucleotide MF
GMP binding MF
SCF ubiquitin lig CC
molybdopterin sy CC
release from viral BP
modulation by vir BP
suppression by vi BP
modulation by vir BP
modulation by vir BP
viral life cycle BP
uncoating of virus BP
virion attachment BP
fusion of virus me BP
receptor-mediated BP
virion assembly BP
viral RNA genome BP
virus maturation BP
viral release from BP
viral genome repl BP
viral translation BP
viral protein proc BP
viral transcription BP
early viral transcr BP
late viral transcrip BP
transformation of BP
male germ-line sex BP
male somatic sex BP
pyrimidine nucleo MF
DNA N-glycosylas MF
myristoyltransfer MF
benzaldehyde del MF
phenanthrene-9, MF
deoxyhypusine m MF
deoxy nucleoside MF
ADP-sugar diphos MF
aminobutyraldeh MF
D-ribulokinase ac MF
protein-disulfide MF
mannokinase acti MF
trans-2-enoyl-Co MF
3-hydroxyacyl-[ac MF
NADP phosphatas MF
snRNA-activating CC
carbohydrate kin MF
amino acid kinase MF
carbohydrate phc MF
nucleobase-conta MF
nucleoside kinase MF
kinase regulator
phosphatase regulator
kinase activator
kinase inhibitor
phosphatase activator
phosphatase inhibitor
deacetylase activator
intermediate filar
regulation of fatty
regulation of ster
regulation of met
transmission of n
neuronal action p
neuronal action p
regulation of vasc
proprioception
sensory perception
response to pher
centromeric DNA
deaminase activator
citrulline biosynthesis
methylglyoxal biosynthesis
methylglyoxal catalysis
lactate biosynthesis
lactate biosynthesis
carnitine metabolism
glucose 1-phosphate
N-acetylmuramyl
glycine biosynthesis
glycine biosynthesis
UDP-N-acetylgalactosamine
L-methionine salvaging
glycine betaine biosynthesis
isopentenyl diphosphate
siderophore biosynthesis
D-ribose catabolism
inositol catabolism
hexose metabolism
hexose biosynthesis
pentose metabolism
pentose biosynthesis
pentose catabolism
dibenzo-p-dioxin
methionine biosynthesis
methionine biosynthesis
transsulfuration  BP
dolichol metaboli BP
pyridine nucleotid BP
fatty acid elongat BP
arachidonic acid r BP
leukotriene biosy BP
cyclooxygenase p BP
lipoxygenase path BP
epoxidegenase P45 BP
glycolipid catabol BP
galactose catabol BP
glucuronoside cat BP
fatty acid oxidatic BP
galactitol metabo BP
dolichol biosynth BP
acetate biosynthe BP
sulfur oxidation  BP
acetyl-CoA biosyr BP
removal of super BP
triglyceride biosy BP
triglyceride catab BP
aromatic compou BP
aromatic compou BP
tryptophan catab BP
tryptophan catab BP
tryptophan catab BP
L-cysteine catabo BP
L-cysteine catabo BP
L-cysteine catabo BP
glycine decarboxy BP
4-hydroxyproline BP
L-lysine catabolic BP
D-amino acid cat:BP
beta-alanine met:BP
beta-alanine bios BP
L-methionine salv BP
S-adenosylhomoc BP
peptidyl-proline f BP
lactate oxidation  BP
L-threonine catal BP
D-gluconate met:BP
taurine metabolic BP
oxalate transmem MF
oxalate transport BP
toxin transmem MF
protein metabolic BP
propionate biosynth BP
propionate catab BP
arginine catabolic BP
arginine catabolic BP
glutamate catabol BP
glutamate catabol BP
histidine catabolic BP
histidine catabolic BP
glycerol catabolic BP
butyrate metabol BP
2-oxobutyrate catabol BP
short-chain fatty acid BP
urea metabolic pr BP
organophosphate BP
glucurionate catal BP
aerobic electron t BP
GDP-mannose m BP
NAD metabolic pr BP
ammonia assimil BP
NAD catabolic pr BP
glyceraldehyde-3- BP
ribose phosphate BP
choline metabolic BP
protein-cysteine S MF
protein-cysteine S MF
calcium-mediated BP
B cell mediated ir BP
cellular homeost BP
antimicrobial hum BP
antibacterial hum BP
antifungal humor BP
pentacyclic triterpen BP
regulation of isop BP
carboxylic acid m BP
immunoglobulin I MF
IgA receptor activ MF
IgE receptor activ MF
low-affinity IgG re MF
proteasome core CC
proteasome core CC
Atg8 ligase activit MF
Atg12 transferase MF
Atg12 activating e MF
Atg8 activating er MF
FAT10 activating r
NEDD8 activating MF
ISG15 activating e
ubiquitin-like pro MF
NEDD8-specific pi MF
ubiquitin-like pro MF
NEDD8 transferase MF
SUMO transferase MF
procollagen-proline MF
tubulin N-acetyltr MF
peptide cross-link BP
quinolinate biosy BP
bromide peroxide MF
aspartoacylase ac MF
spermidine bindir MF
putrescine bindin MF
cocaine binding MF
immunoglobulin r CC
B cell receptor co CC
oxygen binding MF
oxygen sensor ac MF
stem cell populat BP
aspartic-type end MF
ATPase-coupled c MF
phospholipase A2 MF
growth factor bin MF
retinol binding MF
vitamin binding MF
rRNA binding MF
L-ascorbic acid m BP
L-ascorbic acid bi BP
calcium channel i MF
pyrimidine nucleotide BP
cytosine metabol BP
thymine metabol BP
uracil metabolic c BP
IgA binding MF
IgE binding MF
IgG binding MF
immunoglobulin l MF
organelle inner m CC
outer membrane CC
cytoskeleton channel i MF
potassium channel MF
sodium channel ir MF
lysine biosynthesis BP
antigen processing BP
protein kinase reg MF
protein phosphatase MF
kinesin binding MF
axonal transport BP
extrinsic component CC
extrinsic component CC
protein kinase bir MF
phosphatase bind MF
protein phosphatase MF
protein domain MF
syntaxin binding MF
cyclin-dependent CC
nuclear cyclin-dependent CC
structural constituent MF
cyclin-dependent MF
lipid storage BP
peptidyl-arginine BP
peptidyl-arginine BP
second-messenger BP
cAMP-mediated BP
cGMP-mediated BP
cyclic-nucleotide-BP
SUMO activating MF
sexual reproduction BP
chemokine bindir MF
C-C chemokine bi MF
C-X-C chemokine MF
interleukin-8 bind MF
C-X3-C chemokine MF
type I interferon MF
interferon-gamma MF
interleukin-1 bind MF
interleukin-10 bind MF
interleukin-11 bind MF
interleukin-2 bind MF
interleukin-6 bind MF
diacylglycerol bind MF
symbiont-contain CC
symbiont-contain

ciliary pocket mem

hemoglobin meta

eheme binding

prechordal plate

neural fold elevat

neural fold bend

floor plate forma

roof plate format

spinal cord devel

spinal cord patter

spinal cord dorsal

ventral spinal cor

cell differentiatio

dorsal spinal cord BP

ventral spinal cor BP

spinal cord motor BP

ventral spinal cor BP

spinal cord motor BP

somatic motor ne BP

visceral motor ne BP

medial motor col BP

spinal cord associ BP

commissural neur BP

spinal cord oligod BP

spinal cord oligod BP

neural tube patte BP

cell differentiatio BP

cell proliferation i BP

cell migration in t BP

diencephalon dev BP

telencephalon de BP

subthalamus dev BP

corpus calosum r BP

ammon gyrus dev BP

dentate gyrus dev BP

corpus callosum r BP

subpallium develop BP

rhombomere dev BP

pallium developr BP

subpallium develop BP

cranial nerve dev BP

midbrain-hindbra BP

pons developmer BP

cerebellum develop BP

central nervous s BP

olfactory nerve d BP
optic nerve develop BP
midbrain-hindbrain BP
oculomotor nerve BP
trochlear nerve dB BP
trigeminal nerve rBP
vestibulocochlear BP
glossopharyngeal BP
vagus nerve develop BP
rhombomere 3 dB BP
rhombomere 4 dB BP
rhombomere 5 dB BP
rhombomere 6 dB BP
hindbrain morphology BP
cerebellum morphology BP
cerebellum structure BP
ventricular system BP
fourth ventricle dB BP
abducens nerve fBP
cranial nerve morphology BP
facial nerve morphology BP
facial nerve structure BP
glossopharyngeal BP
hypoglossal nerve BP
oculomotor nerve BP
central nervous system BP
olfactory nerve structure BP
optic nerve morphology BP
optic nerve structure BP
trigeminal nerve rBP
trigeminal nerve tBP
vagus nerve morphology BP
vestibulocochlear BP
vestibulocochlear BP
rhombomere 3 st BP
rhombomere 3 fc BP
rhombomere 5 st BP
rhombomere 5 fc BP
lateral ventricle dB BP
nerve development BP
third ventricle de BP
cerebellar Purkinje BP
cerebellar granule BP
nerve maturation BP
cerebellar granule BP
cerebellar granule BP
forebrain-midbrain
smoothened sign
negative regulation
neural tube development
BMP signaling pathway
cell proliferation
"cerebellar granule"
cerebellar granule
"cerebellar Purkinje"
smoothened sign
positive regulation
negative regulation
radial glia guided
formation of radial
"neuronal-glial interface"
central nervous system
central nervous system
central nervous system
central nervous system
corticospinal tract
"anterior commissure"
spinal cord ventricle
corticospinal neuron
corticospinal neuron
telencephalon region
"hypothalamus cell"
pituitary gland development
"adenohypophysis"
neurohypophysis
habenula development
cerebral cortex development
olfactory lobe development
olfactory cortex development
initiation of neuronal
neural plate axis
"neural plate mediastinum"
neural plate anterior
convergent extension
neurogenesis
central nervous system
"central nervous system"
myelination in the pons
pallium cell proliferation
lateral ganglionic
interkinetic nucle BP
tangential migrat BP
telencephalon ce BP
metencephalon dBp
corpus callosum c BP
regulation of rho c BP
hair cycle process BP
membrane docki BP
regulation of cell-BP
negative regulatio BP
positive regulatio BP
reproductive proc BP
protein maturatic BP
ovulation cycle pr BP
regulation of cell- BP
mammalian ooge BP
cellular compone BP
gland morphogen BP
ribonucleoprotein BP
membrane to me BP
protein to membi BP
DNA strand elong BP
extracellular matr BP
ribonucleoprotein BP
proteasome acce CC
cytosolic large rib CC
cytosolic ribosom CC
transmitter-gatec MF
wide pore channe MF
voltage-gated ch MF
ion gated channe MF
leak channel acti MF
potassium ion lea MF
voltage-gated cat MF
acetylcholine-gat MF
glutamate-gated MF
serotonin-gated c MF
GABA-gated chlor MF
glycine-gated chl MF
alanine transmem MF
serine transmeml MF
inorganic cation t MF
Intermediate con MF
regulation of tran BP
electron transpor BP
respiratory electr BP
signal transductio BP
termination of sig BP
MHC class I prot MF
MHC class Ib prot MF
MHC class II prot MF
MHC class Ib prot MF
MHC class Ib prot MF
CD40 signaling pa BP
neuronal signal tr BP
regulation of sign BP
signaling           BP
signal release      BP
metal ion transpc BP
cellular cation ho BP
cellular potassium BP
TRAPP complex       CC
establishment of   BP
maintenance of c BP
CCR4-NOT compli CC
CCR4-NOT core cc CC
myofibril           CC
sarcomere           CC
extracellular mat MF
extracellular mat MF
extracellular mat MF
cellular mangane:BP
lamellipodium       CC
actin filament-ba:BP
cell projection or:BP
cell projection as:BP
lamellipodium as:BP
microvillus assem BP
microvillar actin t BP
microspike assem BP
actin cytoskeleton:BP
actin filament rec BP
contractile actin f BP
actin filament pol BP
actin filament deq BP
actin filament fra BP
parallel actin filan BP
actin modification BP
actin filament-ba:BP
muscle filament s BP
vesicle transport  BP
cell-substrate jun  CC
hemidesmosome  CC
desmosome  CC
L-malate dehydro  MF
mitochondrial  cri:CC
insulin processing  BP
regulation of mit  BP
peptide hormone  BP
insulin secretion  BP
protein repair  BP
hemopoiesis  BP
lymphocyte differ  BP
myeloid cell differ  BP
regulation of end  BP
natural killer cell  BP
vasopressin secre  BP
water homeostas  BP
HLA-A specific inh  MF
HLA-A specific act  MF
HLA-B specific inh  MF
regulation of Wnt  BP
glial cell-derived r  MF
membrane coat  CC
clathrin coat  CC
AP-type membran  CC
vesicle coat  CC
AP-1 adaptor con  CC
AP-2 adaptor con  CC
AP-3 adaptor con  CC
AP-4 adaptor con  CC
clathrin vesicle cc CC
COPI vesicle coat  CC
COPII vesicle coat  CC
clathrin coat of er  CC
clathrin coat of tr  CC
clathrin adaptor c  CC
clathrin coat of cc CC
transport vesicle  CC
COPII-coated ER t CC
coated vesicle  CC
clathrin-coated v  CC
COPI-coated vesic CC
dendocytic vesicle  CC
trans-Golgi netw CC
secretory granule CC
COPI-coated Golg CC
alpha-1,6-mannose MF
manganese ion bi MF
sphingolipid biosyn BP
sphingolipid catal BP
protein import in BP
molybdenum ion MF
cell differentiation BP
regulation of cell BP
benzodiazepine r MF
pancreatic juice s BP
protein xylosyltra MF
signaling receptor MF
synaptic receptor MF
regulation of prot BP
protein catabolic BP
PDZ domain binding MF
proteoglycan biosyn BP
proteoglycan catal BP
platelet activator BP
low-density lipop MF
pyridoxal phosph MF
troponin C binding MF
integral component CC
regulation of DNA BP
filopodium CC
positive regulation BP
negative regulation BP
neuron differentiation BP
B cell differentiation BP
nitric oxide trans MF
nitric oxide transp BP
melatonin biosyn BP
regulation of bloc BP
positive regulation BP
negative regulation BP
extracellular matrix MF
extracellular matrix BP
collagen fibril org BP
heparan sulfate p BP
heparan sulfate p BP
heparin metabolic BP
glycosaminoglyca BP
chondroitin sulfate BP
dermatan sulfate BP
chondroitin sulfate BP
chondroitin sulfate BP
dermatan sulfate BP
dermatan sulfate BP
heparin biosynthesis BP
heparin catabolic BP
hyaluronan metabolic BP
hyaluronan biosynthesis BP
hyaluronan catabolic BP
semaphorin receptor MF
keratinocyte differentiation BP
T cell differentiation BP
erthrocyte differentiation BP
megakaryocyte differentiation BP
platelet formation BP
basophil differentiation BP
neutrophil differentiation BP
monocyte differentiation BP
macrophage differentiation BP
apolipoprotein receptor MF
lipoprotein particle MF
very-low-density MF
deoxynucleotide MF
enzyme regulator MF
nitric-oxide synthase MF
female sex determiner BP
male sex determiner BP
myofibril assembly BP
skeletal muscle to BP
skeletal muscle from BP
autophagy of per BP
polysaccharide bi MF
polysaccharide bi MF
guanosine cyclase MF
guanosine cyclase MF
growth hormone BP
lipid modification BP
lipid glycosylation BP
chromosome condensation BP
apoptotic nuclear BP
apoptotic chromatin BP
nuclear fragment BP
glyoxylate reductase MF
5-formyltetrahyd MF
melanin-concentr MF
LIM domain bindi MF
LRR domain bindi MF
clathrin binding MF
maintenance of g BP
regulation of ossi BP
negative regulatix BP
structural consti MF
bone mineralizati BP
testosterone deh MF
estrogen recepto MF
integral compone CC
dynein complex CC
protein phosphat CC
protein serine/thi MF
protein tyrosine k MF
transmembrane r MF
receptor signalinı MF
protein kinase acı MF
protein tyrosine k MF
transmembrane r MF
receptor signalinı MF
intestinal choleston BP
regulation of inte BP
cholesterol transı BP
deoxyribo nucleotide ₠ BP
heparanase activı MF
positive regulatio BP
negative regulatix BP
poly-N-acetylactı BP
junctional membre CC
T-tubule CC
osteoclast differ BP
flagellated sperm BP
melanocyte differ BP
transepithelial ch BP
stabilization of m BP
respiratory tube ₠ BP
lung developmen BP
adrenal gland dev BP
embryonic limb n BP
prenylated protei BP
prenylcysteine ca BP
DNA damage resıp BP
regulation of bone
negative regulation BP
inorganic diphosphosphate MF
inorganic diphosphosphate BP
ankyrin binding MF
BMP signaling partner BP
regulation of BMI-1 BP
positive regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
snoRNA binding MF
regulation of axon BP
negative regulation BP
intracellular steroid BP
intracellular estrogen BP
androgen receptor BP
dihydrolipoamide dehydrogenase MF
granulocyte macrophage CC
structural constituent MF
small nuclear ribonucleoprotein CC
adult behavior BP
embryonic genitalia BP
male genitalia development BP
female genitalia development BP
Hsp70 protein binding MF
receptor regulation MF
signaling receptor MF
receptor inhibitor MF
acetylcholine receptor MF
acetylcholine receptor MF
acetylcholine receptor MF
cyclic nucleotide binding MF
cAMP binding MF
cGMP binding MF
adenyl nucleotide MF
bile acid catabolic BP
collagen catabolic BP
nuclear body organization BP
Cajal body organization BP
PML body organization BP
ubiquitin-dependent BP
[methionine synthetase MF
DNA ADP-ribosyltransferase MF
neurotransmitter MF
acetoacetate-CoA MF
sequestering of tr BP
guanidinoacetate MF
carnosine N-methyl MF
GTP-dependent p MF
amine N-methyltr MF
arsenite methyltr MF
methylarsonite m MF
regulation of actin BP
regulation of actin BP
regulation of actin BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
positive regulation BP
phospholipase C-1 BP
autosomal CC
prostate gland de BP
granulocyte differ BP
regulation of granu BP
negative regulation BP
positive regulation BP
epithelial cell diff BP
regulation of epithe BP
negative regulation BP
positive regulation BP
polarized epithelium BP
regulation of polar BP
positive regulation BP
cortical cytoskeleton CC
cortical actin cyto CC
cortical cytoskeleton BP
cortical actin cyto BP
rough endoplasmic CC
smooth endoplasmic CC
Mre11 complex CC
beta-catenin dest CC
thyroid gland develop BP
mammary gland c BP
RNA polymerase CC
beta-2-microglobulin MF
lipid antigen bind MF
endogenous lipid MF
exogenous lipid a MF
taurine binding MF
cortical microtubuCC
mismatched DNA MF
kininogen binding MF
intraciliary transp CC
intraciliary transp CC
intraciliary transp CC
regulation of centBP
response to caffe BP
potassium ion-traCC
filamin binding MF
ISWI-type comple CC
Ino80 complex CC
extracellular matrCC
troponin I binding MF
troponin T bindin MF
pancreas developBP
exocrine pancrea:BP
derocrine pancre BP
interphase microCC
nuclear migrationBP
microtubule orga BP
actomyosin structBP
myosin filament C BP
dense core granu CC
gene silencing by BP
heterochromatin BP
chromosome bre BP
primary miRNA piBP
pre-miRNA proces BP
regulation of histBP
positive regulatio BP
regulation of histBP
negative regulatic BP
positive regulatio BP
regulation of histBP
negative regulatic BP
positive regulatio BP
hair follicle morplBP
cysteine desulfur:MF
heat shock protei MF
cholesterol 26-hy MF
embryonic camer BP
post-embryonic c BP
nuclear pore outc CC
rRNA methylation BP
neuron projection BP
phosphopantetheine MF
peptide modification BP
SNARE complex CC
posttranslational BP
endoplasmic reticulum CC
Sec62/Sec63 complex CC
POZ domain bind MF
SCAR complex CC
phosphatidylcholine MF
RSF complex CC
biomineral tissue BP
auditory behavior BP
intrinsic component CC
anchored component CC
intrinsic component CC
intrinsic component CC
intrinsic component CC
extrinsic component CC
extrinsic component CC
intrinsic component CC
actin rod assembly BP
denatured protein MF
PAN complex CC
cell leading edge CC
cell projection membrane CC
leading edge membrane CC
lamellipodium membrane CC
uropod membrane CC
pseudopodium membrane CC
dNA replication process CC
Ndc80 complex CC
death-inducing ligand CC
CD95 death-inducing CC
small GTPase binding MF
pseudopodium or BP
positive regulation BP
regulation of late BP
regulation of cyclin BP
positive regulation BP
regulation of guanine BP
negative regulation BP
positive regulation of BP
retinal ganglion cell BP
Ran protein signaling BP
membrane protein BP
T cell costimulation BP
B cell costimulation BP
replication fork p BP
replication fork p CC
intrinsic component CC
integral component CC
extrinsic component CC
regulation of cell BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
positive regulation BP
positive regulation BP
positive regulation BP
positive regulation BP
positive regulation BP
positive regulation BP
anchored component CC
N-terminal protein BP
translation initiation MF
eukaryotic initiation MF
ubiquitin conjugation CC
UBC13-MMS2 core CC
RNA-directed RNA CC
nuclear RNA-directed CC
Rad17 RFC-like CC
Ctf18 RFC-like core CC
Elg1 RFC-like complex CC
regulation of pros BP
negative regulatig BP
positive regulatio BP
regulation of prot BP
positive regulatio BP
positive regulatio BP
sodium ion bindir MF
lithium ion bindin MF
chloride ion bindi MF
lipoic acid binding MF
carboxylic acid bi MF
oxylipin biosynth BP
NatA complex CC
NatB complex CC
NatC complex CC
L-ascorbic acid bi MF
cobalamin bindin MF
RecQ family helic CC
keratinization BP
response to meth BP
box C/D snoRNP r CC
box H/ACA snoRCC C
M band CC
Dbf4-dependent CC
titin binding MF
telethonin bindin MF
mitogen-activate MF
mitogen-activate MF
BRCA1-BARD1 co CC
positive regulatio BP
regulation of mRt BP
negative regulatig BP
positive regulatio BP
fast-twitch skelet BP
slow-twitch skele BP
positive regulatio BP
positive regulatio BP
glycine betaine tr BP
cullin-RING ubiqu CC
Cul2-RING ubiqui CC
Cul3-RING ubiqui CC
Cul4A-RING E3 ult CC
Cul4B-RING E3 ult CC
Cul5-RING ubiqui CC
Cul7-RING ubiqui CC
nuclear envelope BP
myosin V complex CC
myosin VII complex CC
myosin V binding MF
chromatin DNA b MF
nucleosome bind MF
nucleosomal DNA MF
nucleosomal histone MF
chromatin assembly BP
TRAMP complex CC
mannosyltransferase CC
protein-containing BP
heterochromatin BP
pericentric heterochromatin BP
SUMO-activating CC
Mis6-Sim4 complex CC
motile cilium CC
tRNA (m1A) modified CC
PcG protein complex CC
Myb complex CC
brush border membrane CC
filopodium membrane CC
microvillus membrane CC
ruffle organization BP
gonadotropin-releasing MF
thyrotropin-releasing MF
actin cytoskeleton BP
mRNA cap methyl CC
positive regulation BP
peptidyl-proline cis MF
peptidyl-proline trans MF
peptidyl-proline trans 4 MF
brain-derived neurotrophin BP
negative regulation BP
positive regulation BP
mitotic G1 DNA damage BP
intra-S DNA damage BP
membrane raft or BP
membrane raft diacylglycerol BP
hemidesmosome BP
phospholipase D-BP
activation of phospholipase D-BP
regulation of inositol 1,4,5-P3 BP
positive regulation BP
nucleotide-activated CC
cell-substrate adhesion BP
wybutosine biosynthesis BP
centrosomal corona CC
polyubiquitin moiety MF
neuromuscular junction CC
nuclear protease CC
cytosolic protease CC
spindle pole centriole CC
regulation of fever BP
positive regulation BP
ubiquitin conjugate MF
beta-endorphin beta MF
telomeric loop formation BP
opioid receptor beta MF
synaptic vesicle fusion BP
regulation of synapse BP
adenylate cyclase BP
zymogen activation BP
plasminogen activation BP
killing of cells of cancer BP
regulation of myosin BP
negative regulation BP
positive regulation BP
regulation of neuron BP
regulation of protein BP
protein destabilization BP
heat generation BP
negative regulation BP
positive regulation BP
lipopolysaccharide BP
regulation of lipopolysaccharide BP
negative regulation BP
positive regulation BP
response to nutrient BP
cellular response BP
cellular response BP
cellular response BP
A band CC
H-zone CC
I band CC
G-protein beta/gamma CC
G-protein beta-sigma MF
G-protein gamma MF
G-protein beta/gamma MF
adenosine receptor MF
A1 adenosine receptor
A2A adenosine receptor
adrenergic receptor
alpha-1A adrenergic receptor
alpha-1B adrenergic receptor
alpha-2A adrenergic receptor
alpha-2B adrenergic receptor
alpha-2C adrenergic receptor
beta-1 adrenergic receptor
beta-2 adrenergic receptor
beta-3 adrenergic receptor
adrenomedullin receptor
angiotensin receptor
angiotensin 1 receptor
angiotensin 2 receptor
apelin receptor
endothelin A receptor
endothelin B receptor
neuromedin B receptor
bradykinin receptor
C5L2 anaphylatoxin receptor
haptoglobin binding
hemoglobin alpha
CXCR5 chemokine receptor
CCR1 chemokine receptor
CCR2 chemokine receptor
CCR3 chemokine receptor
CCR4 chemokine receptor
CCR6 chemokine receptor
CCR7 chemokine receptor
CCR10 chemokine receptor
CX3C chemokine receptor
D1 dopamine receptor
D2 dopamine receptor
D3 dopamine receptor
D4 dopamine receptor
D5 dopamine receptor
Edg-2 lysophosphatidylcholine receptor
follicle-stimulating hormone receptor
ghrelin receptor
kisspeptin receptor
lutropin-choriogonadotropin receptor
corticotropin receptor
type 3 melanocortin receptor
type 4 melanocortin receptor
type 5 melanocor MF
 type 1 metabotro MF
 type 2 metabotro MF
 type 3 metabotro MF
 type 5 metabotro MF
 P2Y1 nucleotide r MF
 G protein-coupled MF
 type 2A serotonin MF
 haptoglobin-hem CC
 type 1 neuromed MF
 type 2 neuromed MF
 protection from r BP
 olfactory receptor MF
 mu-type opioid r e MF
 platelet activating MF
 telomeric 3' over e BP
 EP4 subtype pros MF
 thromboxane A2 MF
 proteinase activa MF
 taste receptor bir MF
 V1A vasopressin r MF
 V2 vasopressin re MF
 early endosome r CC
 endosome lumen CC
 early endosome l CC
 late endosome lu CC
 negative regulatio BP
 positive regulatio BP
 TOR signaling BP
 mitochondria-nuc BP
 TORC1 complex CC
 TORC2 complex CC
 negative regulatio BP
 positive regulatio BP
 regulation of chrc BP
 positive regulatio BP
 filamentous actin CC
 regulation of gluc BP
 negative regulatio BP
 regulation of prot BP
 negative regulatio BP
 positive regulatio BP
 medium-chain fat MF
 very long-chain fe MF
 mineralocorticoid BP
response to cortisol BP
mineralocorticoid MF
nuclear lumen CC
vesicle lumen CC
Golgi cisterna CC
locomotion involves BP
bombesin receptor BP
mRNA export from BP
insulin-like growth MF
thioesterase binds MF
N-terminal myristoyl MF
regulation of fatty BP
negative regulation BP
positive regulation BP
interleukin-28 receptor CC
regulation of TOR BP
negative regulation BP
positive regulation BP
eye early phagosome CC
phagolysosome CC
regulation of ARF BP
positive regulation BP
NELF complex CC
tripsinogen activation BP
positive regulation BP
response to cobra BP
response to magn BM
myosin light chain MF
myosin head/necro MF
myosin tail binding MF
myosin II head/necro MF
myosin heavy chain MF
myosin II heavy chain MF
integrator complex CC
small-subunit pro CC
NAD-dependent deoxyMF
mitochondrial DNAP
DSIF complex CC
guanyl-nucleotide CC
cardiolipin metabolism BP
cardiolipin biosynthesis BP
caluminin heavy chain MF
caluminin light chain MF
bile acid binding MF
ciliary basal body BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
bleb CC
bleb assembly BP
regulation of end BP
regulation of rest BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
positive regulation BP
negative regulation BP
NACHT domain bi MF
Pyrin domain bin MF
positive regulation BP
SAM domain bin MF
response to food BP
regulation of response BP
positive regulation BP
regulation of response BP
negative regulation BP
positive regulation BP
SMC loading com CC
sequestering of zi BP
dense core granu CC
chromosome pas CC
DNA insertion or MF
guanine/thymine MF
single base insert MF
dinucleotide inser MF
single guanine ins MF
single thymine ins MF
4-aminobutyrate CC
succinate-semialc MF
activation of prot BP
activation of prot BP
cell division site CC
cleavage furrow CC
septin cytoskeleton CC
septin collar CC
dinucleotide repe MF
ubiquitin-like pro MF
SUMO binding  MF
SUMO polymer  b MF
septin cytoskeleton BP
acrosin binding  MF
ubiquinone biosynthesis BP
transposition  BP
transposition, RN BP
telomere organization BP
telomere maintenance BP
telomere assembly BP
telomere formation BP
regulation of telomere BP
negative regulation BP
positive regulation BP
negative regulation BP
regulation of telomere BP
negative regulation BP
positive regulation BP
negative regulation BP
glucosaminyl-phosphorylation MF
riboflavin transport MF
riboflavin transport BP
negative regulation BP
positive regulation BP
regulation of synthesis BP
positive regulation BP
negative regulation BP
regulation of synthesis BP
negative regulation BP
positive regulation BP
regulation of actin BP
negative regulation BP
positive regulation BP
activation of store BP
adenosine transport BP
negative regulation BP
positive regulation BP
secretory granule BP
purine nucleotide BP
GMP salvage BP
IMP salvage BP
phosphatidylinositol MF
regulation of cell BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
gonadotropin secretion BP
luteinizing hormone BP
negative regulation BP
asymmetric synapse CC
symmetric synapse CC
AMPA glutamate CC
central nervous system BP
peripheral nervous system BP
myelin assembly BP
central nervous system BP
peripheral nervous system BP
positive regulation BP
ribonuclease H2 CC
mismatch repair CC
MutS alpha complex CC
MutS beta complex CC
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
prostaglandin secretion BP
angiogenin-PRI CC CC
molybdopterin CC BP
alanine transport BP
serine transport BP
regulation of choline BP
negative regulation BP
positive regulation BP
aldosterone metabolism BP
aldosterone biosynthesis BP
regulation of aldosterone BP
negative regulation BP
positive regulation BP
regulation of hormone BP
response to follicle stimulating hormone BP
response to estrogen BP
oxidized DNA binding BP
oxidized purine DNA binding BP
oxidized pyrimidine BP
pyridoxal phosphate BP
oxygen homeostasis BP
intracellular lipid metabolism BP
intracellular sterol metabolism BP
regulation of lipid BP
negative regulation BP
positive regulation BP
regulation of chol BP
negative regulation BP
positive regulation BP
regulation of intri BP
negative regulation BP
positive regulation BP
regulation of intri BP
negative regulation BP
positive regulation BP
MutLalpha compl CC
photoreceptor core CC
DNA geometric cl BP
MHC class I recep MF
MHC class Ib rece MF
MHC class II rece MF
activating MHC cl MF
MHC class Ib prot CC
melanosome loca BP
establishment of BP
melanosome tran BP
MutLalpha compl MF
MutLbeta comple MF
MutSalpha compl MF
MutSbeta comple MF
negative regulation BP
positive regulation BP
regulation of ion BP
positive regulation BP
regulation of sodi BP
negative regulation BP
positive regulation BP
lysosome localiza BP
extrinsic compon CC
stereocilium CC
stereocilium bun CC
purine-rich negat MF
regulation of misr BP
positive regulatio BP
stereocilium tip CC
GBD domain bind MF
beta-N-acetylgala MF
regulation of pho BP
positive regulation BP
activation of pho:BP
actin filament bur CC
filopodium tip CC
regulation of prot BP
negative regulation BP
positive regulation BP
cuticular plate CC
melanosome org:BP
2-alkenal reducta MF
activin responsive CC
protein modification BP
protein urmylation BP
CBM complex CC
maltose alpha-gl. MF
demethylase activ MF
histone demethyl MF
histone demethyl MF
histone demethyl MF
nerve growth fact BP
endocytic recylcr BP
slow endocytic rec BP
positive regulation BP
negative regulation BP
positive regulation BP
regulation of cytc BP
negative regulation BP
positive regulation BP
Golgi calcium ion BP
endoplasmic retic BP
positive regulation BP
negative regulation BP
Golgi calcium ion BP
cytoplasmic side CC
otolith morphoge BP
otolith formation BP
Rab protein signa BP
regulation of Rab BP
regulation of Ral BP
Rap protein signa BP
regulation of Rap BP
Cdc42 protein sign BP
regulation of Cdc BP
detection of mole BP
detection of mole BP
response to bact BP
response to pepti BP
response to mura BP
detection of lipol BP
detection of mura BP
detection of pept BP
muramyl dipeptic MF
developmental pr BP
cytokinetic proce BP
maintenance of p BP
DNA duplex unwi BP
endosome transp BP
endosome to lycsc BP
late endosome to BP
negative regulatio BP
positive regulatio BP
somite rostral/ca BP
response to retin BP
protein exit from BP
microvillus orga BP
regulation of mic BP
regulation of mic BP
regulation of cell BP
regulation of cell BP
cortical endoplasi CC
sulfiredoxin activi MF
mitochondrial tra BP
CURI complex CC
ribonucleoside bi MF
pyrimidine deoxy MF
pyrimidine ribon MF
adenyl deoxyribo MF
adenyl ribonuclec MF
guanyl ribonuclec MF
dATP binding MF
dGTP binding MF
response to progr BP
response to vitan BP
5'-3' RNA helicase MF
Golgi cisterna me CC
ER-dependent pe BP
growth cone men CC
multivesicular bo CC
trans-Golgi netw CC
neuron projection

dendrite membra

dendritic spine m

integral compone

insulin-responsive

protein transport BP

B cell receptor trc BP

chemokine recep BP

interferon-gamm BP

interleukin-10 prc BP

tumor necrosis fa BP

regulation of cher BP

regulation of inte BP

regulation of inte BP

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negative regulatory BP
positive regulatory BP
copper-dependent MF
negative regulatory BP
positive regulatory BP
positive regulatory BP
positive regulatory BP
positive regulatory BP
positive regulatory BP
positive regulatory BP
positive regulatory BP
positive regulatory BP
RNA biosynthetic BP
DNA methylation BP
DNA methylation BP
Piccolo NuA4 hist CC
negative regulatory BP
positive regulatory BP
bile acid secretion BP
super elongation CC
regulation of DNA BP
negative regulatory BP
positive regulatory BP
monocarboxylic acid BP
saturated monocarboxylic acid BP
unsaturated monocarboxylic acid BP
ribosome disassembly BP
lead ion binding MF
negative regulatory BP
positive regulatory BP
GTPase activating MF
heterotrimeric G-MF
uropod organizat BP
SMN complex CC
Swi5-Sfr1 comple CC
low-density lipop BP
receptor cataboli BP
low-density lipop BP
regulation of low-BP
negative regulatic BP
positive regulatio BP
DNA ligase IV con CC
lacrimal gland de BP
everonal cell bod CC
sterol response e MF
negative regulatic BP
tumor necrosis fa MF
regulation of natl BP
negative regulatic BP
positive regulatio BP
regulation of natl BP
positive regulatio BP
regulation of natl BP
positive regulatio BP
regulation of natl BP
negative regulatic BP
positive regulatio BP
glomerulus develop BP
glomerular base BP
plasma membran CC
dendrite cytoplas CC
calcitomin binding MF
negative regulatic BP
positive regulatio BP
response to insuli BP
cellular response BP
regulation of stre BP
negative regulatic BP
positive regulatio BP
negative regulatic BP
positive regulatio BP
regulation of esta BP
regulation of prot BP
regulation of micr BP
regulation of vac BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
positive regulation BP
spermidine acetylation BP
spermine acetylation BP
putrescine acetylation BP
circadian regulation BP
activin receptor signaling BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
SREBP signaling p BP
sterol binding MF
SREBP-SCAP-Insig signaling CC
negative regulation BP
secretion by cell BP
mononuclear cell BP
negative regulation BP
positive regulation BP
regulation of actin BP
inositol trisphosphate BP
inositol phosphatase BP
inositol trisphosphate BP
regulation of inositol BP
positive regulation BP
collagen metabolism BP
collagen biosynthesis BP
negative regulation BP
positive regulation BP
positive regulation BP
regulation of actin BP
regulation of muscle BP
regulation of muscle BP
release of matrix BP
membrane insert MF
protein insertion BP
keratinocyte actin BP
mitochondrial res BP
myosin filament CC
kainate selective CC
protein-containin BP
protein-DNA com BP
cell part morphoph BP
protein-DNA com CC
protein-lipid com CC
Bcl3-Bcl10 compl CC
Fc-epsilon receptor CC
muscle cell prolif BP
regulation of mas BP
negative regulati BP
positive regulatio BP
negative regulati BP
positive regulatio BP
paranodal junction CC
perinuclear theca CC
tetrapyrrole metε BP
tetrapyrrole bioδ BP
sarcoplasmic retic CC
mast cell homeos BP
regulation of mas BP
negative regulati BP
myeloid cell apop BP
regulation of neu BP
negative regulati BP
positive regulatio BP
regulation of mye BP
negative regulati BP
positive regulatio BP
polysaccharide lo BP
bitter taste recep MF
sour taste recep MF
sweet taste recep MF
regulation of orgε BP
regulation of chrε BP
regulation of sistε BP
directional locom BP
cellular pigmenta BP
Rad51B-Rad51C-f CC
calcineurin-NFAT BP
proton-transporti CC
proton-transporti CC
proton-transporti CC
proton-transporti CC
plasma membran CC
regulation of hist BP
positive regulatio BP
dolichol-phosphat CC
CAF-1 complex CC
sphingomyelin sy MF
response to vitam BP
calmodulin-depen MF
Lsd1/2 complex CC
response to hydr BP
response to vitan BP
response to ATP BP
ribronuclease P RN MF
meiotic cytokines BP
leptin-mediated s BP
adiponectin-activ BP
iron import into c BP
siderophore-depe BP
reductive iron ass BP
amide binding MF
dsRNA transport BP
cysteine transme MF
regulation of prot BP
negative regulatic BP
positive regulatio BP
I-kappaB/NF-ka BP
Bcl3/NF-kappaB2 CC
nuclear DNA repli BP
regulation of nucl BP
CORVET complex CC
choline binding MF
node of Ranvier CC
internode region CC
paranode region CC
response to vitan BP
response to vitan BP
transcription fact CC
abortive mitotic c BP
cell proliferation i BP
eukaryotic 48S pr CC
eukaryotic 80S ini CC
T-tubule organiza BP
secretion of lysos BP
dehydroascorbic :MF
cell cycle compris BP
phytol metabolic BP
meiotic cell cycle BP
mitotic DNA repli BP
meiotic spindle a:BP
UDP-D-xylose bio BP
cerebrospinal flui BP
Leydig cell differe BP
peroxisome mem MF
negative regulatic BP
positive regulatio BP
cholesterol efflux BP
asparagine catabxBP
S-adenosylmethic BP
secretory granule BP
mast cell secretorBP
protein localizatic BP
protein localizatic BP
T cell secretory gr BP
maintenance of p BP
maintenance of g BP
geranyl diphosph BP
geranylgeranyl di BP
putrescine biosynBP
putrescine biosynBP
putrescine biosynBP
chromatoid body CC
beta-alanine bios BP
S-methylmethion BP
nitric oxide home BP
cholesterol biosynBP
galactose catabol BP
carbohydrate hor BP
HULC complex CC
floor plate developBP
L-lysine catabolic BP
L-lysine catabolic BP
histone H2A ubiq BP
histone H2B ubiq BP
fatty acid beta-ox BP
cell adhesion mec BP
regulation of cell BP
negative regulatìc BP
positive regulatìo BP
cell-cell adhesion BP
regulation of cell- BP
negative regulatìc BP
positive regulatìo BP
negative regulatìc BP
positive regulatìo BP
DNA/RNA helicas MF
5'-3' DNA/RNA he MF
3'-5' DNA/RNA he MF
nucleotide-excísic BP
positive regulatìc BP
negative regulatìc BP
osteoblast prolif.BP
regulation of oste BP
negative regulatìc BP
positive regulatìo BP
sialic acid binding MF
cellular polysacch BP
neurofilament bu BP
DNA 5'-adenosiné MF
phospholipid efflì BP
3beta-hydroxy-5t MF
aldehyde dehydríc MF
1-pyrroline dehy MF
peptìde-methion MF
L-methionine:thic MF
L-methionine-(R)- MF
histone demethyl MF
histone demethyl MF
indoleamine 2,3- MF
response to gluca BP
5beta-cholestane MF
cholesterol 24-hy MF
25-hydroxycholes MF
cyanocobalamír MF
3alpha,7alpha,12 MF
thyroxine 5-deioc MF
propanoyl-CoA C-MF
lipoyl(octanoyl) tr MF
procollagen gluco MF
O-fucosylpeptide MF
N-acetyl-beta-glu MF
diphosphoinosito MF
N-acetylgalactosaMF
negative regulatix BP
positive regulatio BP
Fas-activated seri MF
[heparan sulfate]- MF
[heparan sulfate]- MF
hormone-sensitiv MF
choloyl-CoA hydr MF
pyridoxal phosph MF
10-hydroxy-9-(ph MF
ribonuclease T2 a MF
hyaluronoglucuroMF
glucan 1,3-alpha-1 MF
mannosyl-glycopr MF
cis-stilbene-oxide MF
cytoplasmic mRN BP
box H/ACA snoRn BP
D-dopachrome dt MF
3alpha,7alpha,12 MF
response to lipid BP
FAD-AMP lyase (c MF
response to silico BP
deoxyhypusine sy MF
8-oxo-7,8-dihydrct MF
ATPase-coupled li MF
ATPase-coupled s MF
phagophore assei CC
poly(G) binding MF
suppression by sy BP
estrogen respons MF
RNA strand-exch MF
endosomal vesicel BP
response to anox BP
DNA polymerase MF
5'-3' RNA polyme MF
stress granule ass BP
RIC1-RGP1 guany CC
protein localizatix BP
CENP-A containin BP
establishment of BP
establishment of BP
maintenance of BF
VCP-NPL4-UFD1 / CC
erthrocyte home
regulation of tiss
egative regulat
positive regulatio
homotypic cell-ce
negative regulat
positive regulatio
heterotopic cell-c
negative regulat
positive regulatio
regulation of toll-
regulation of toll-
egative regulat
positive regulatio
toll-like receptor
regulation of toll-
egative regulat
toll-like receptor
regulation of toll-
egative regulat
toll-like receptor
toll-like receptor
regulation of toll-
egative regulat
toll-like receptor
toll-like receptor
regulation of toll-
egative regulat
toll-like receptor
apolipoprotein bi MF
apolipoprotein A-MF
apolipoprotein A-MF
very-low-density MF
apolipoprotein re MF
apolipoprotein A-MF
triglyceride transi
cellular response BP
activation of prot BP
response to oleic BP
glycolipid transloxBP
lipid translocator BP
amyloid-beta forr BP
GTP-dependent pMF
quinolinate catab BP
protein hexameri BP
carbohydrate tra BP
cellular response BP
tRNA thio-modifi BP
enkephalin proce BP
islet amyloid polyBP
GPI anchor bindir MF
protein kinase A cMF
protein kinase A rMF
macrophage fusion BP
positive regulatio BP
negative regulatic BP
regulation of tran BP
negative regulatic BP
mitochondrial DN
mitochondrial secMF
snoRNA splicing BP
negative regulatic BP
positive regulatio BP
phosphatidylinosiCC
phosphatidylinosiCC
Atg12-Atg5-Atg1f CC
kynurenic acid bi BP
Arp2/3 complex-r BP
regulation of Arp: BP
negative regulatic BP
cell junction asset BP
cell junction main BP
adherens junction BP
adherens junction BP
adherens junction BP
RNA folding BP
short-chain carbo MF
response to inter BP
response to type BP
positive regulatio BP
glial cell apoptoti BP
negative regulation BP
positive regulation BP
RNA pyrophosphorylation MF
'de novo' NAD biosynthesis BP
NAD salvage BP
NAD biosynthesis BP
plasma lipoprotein CC
mature chylomicron CC
chylomicron remnant CC
very-low-density CC
low-density lipoprotein CC
intermediate-density CC
high-density lipoprotein CC
discoidal high-density CC
spherical high-density CC
plasma lipoprotein BP
triglyceride-rich lipid BP
chylomicron remnant BP
very-low-density BP
intermediate-density BP
low-density lipoprotein BP
high-density lipoprotein BP
plasma lipoprotein BP
chylomicron assembly BP
very-low-density BP
high-density lipoprotein BP
plasma lipoprotein BP
chylomicron remnant BP
low-density lipoprotein BP
high-density lipoprotein BP
4-aminobutyrate: MF
Pwp2p-containing CC
lipid droplet organelle BP
regulation of splicing BP
negative regulation BP
positive regulation BP
protein localization BP
regulation of translation BP
telomere localization BP
nuclear periphery CC
chromatin organization BP
recruitment of 3'-BP
response to fluid BP
tRNA 3'-trailer cleavage BP
bisphosphoglycerate MF
urate biosynthetic BP
post-translational BP
autophagosome I CC
nuclear-transcribe BP
bis(5'-adenosyl)-† MF
bis(5'-adenosyl)-† MF
cholesterol esteri BP
glycoprotein tran BP
lipid oxidation BP
plasma lipoprotei BP
negative regulatory BP
substrate adhesive BP
very-low-density BP
ubiquitin-ubiquiti MF
centriolar satellite CC
dynactin binding MF
microtubule anch BP
microtubule anch BP
t-UTP complex CC
UTP-C complex CC
Mpp10 complex CC
3'-5' RNA helicase MF
small-subunit pro BP
90S preribosome BP
BBSome CC
response to carb BP
ncRNA processing BP
snRNA 3'-end pro BP
U1 snRNA 3'-end BP
U2 snRNA 3'-end BP
U4 snRNA 3'-end BP
U5 snRNA 3'-end BP
U6 snRNA 3'-end BP
phosphatidylglycer BP
phosphatidylinositol MF
vacuolar transmem BP
protein localizatic BP
early endosome t BP
late endosome to BP
protein localizatic BP
protein localizatic BP
protein localizatic BP
tooth mineralizat BP
chromosome, cer CC
centromere com† BP
U3 snoRNA binding MF
box C/D snoRNA binding MF
box H/ACA snoRNA binding MF
mitochondrial unBP
proteasome storage CC
response to vitamin BP
RNA cap binding CC
fumarate pyruvate MF
mitochondrial resBP
mitochondrial resBP
piRNA binding MF
piRNA metabolic BP
hydroxyproline tr BP
L-hydroxyproline MF
phosphatidylinositol MF
phosphatidylinositol MF
phosphatidylinositol MF
phosphatidylinositol MF
phosphatidylinositol MF
cellular response BP
oxoglutarate dehydrogenase MF
pyruvate dehydrogenase MF
response to tumor BP
cellular protein loss BP
cellular response BP
response to lamin BP
tetrahydrobiopterine MF
arginine binding MF
cellular response BP
cellular protein-α BP
fatty acid elongation BP
fatty acid elongation BP
'de novo' NAD binding BP
cellular protein-α BP
retinol transmembrane MF
retinol transport BP
glutathione transfer MF
glutathione transfer BP
phosphatidylcholine BP
establishment of BP
mitochondrion membrane BP
cellular response BP
cellular macromolecule BP
histone demethylation MF
histone demethylation MF
histone demethyl MF
cortisol metabolic BP
cortisol biosynthesis BP
retinoic acid catalysis BP
nucleobase-containing BP
GID complex CC
endoplasmic reticulum CC
integrin alpha1 beta CC
integrin alpha2 beta CC
integrin alpha3 beta CC
integrin alpha4 beta CC
integrin alpha4 beta CC
chemotaxis to arc BP
inhibin-beta glycan CC
integrin alpha5 beta CC
integrin alpha6 beta CC
integrin alpha7 beta CC
integrin alpha8 beta CC
integrin alpha9 beta CC
integrin alpha10 beta CC
integrin alpha11 beta CC
integrin alphav beta CC
integrin alphav beta CC
integrin alphav beta CC
integrin alphav beta CC
integrin alphav beta CC
integrin alphav beta CC
integrin alphav beta CC
integrin alphav beta CC
integrin alphaL beta CC
integrin alphaM beta CC
integrin alphaX beta CC
U11/U12 snRNP CC
response to prostaglandin BP
response to prostaglandin BP
response to gonadotropin BP
response to luteinizing hormone BP
ion channel complex CC
cation channel complex CC
potassium channel CC
sodium channel CC
chloride channel CC
methyltransferase CC
methylosome CC
inhibin binding MF
type I transforming MF
type III transforming MF
pICln-Sm protein CC
SMN-Gemin2 complex CC
SMN-Sm protein CC
histone H3-K4 de BP
histone H3-K4 de BP
gamma-glutamyl-MF
dNA replication-iBP
piecemeal microe BP
nucleosome orga BP
histone H3-K79 π BP
cholesterol O-acy MF
histone deacetyla MF
Scrib-APC-beta-cé CC
aryl hydrocarbon CC
cytosolic aryl hyd CC
iron ion transmer BP
regulation of iron BP
negative regulatic BP
negative regulatic BP
regulation of ion i BP
negative regulatic BP
positive regulatio BP
basement membi BP
histone H4-K20 π BP
histone H4-K20 d BP
histone H4-K20 tr BP
secretory granule CC
glutathione trans BP
response to histato BP
recycling endosor CC
caffeine oxidase ε MF
trimethylamine n MF
endothelin matur BP
histone lysine me BP
histone arginine r BP
histone H3-R2 me BP
histone H3-R17 π BP
histone H3-R26 π BP
protein folding in BP
response to endo BP
NAD-dependent t MF
mitochondrial prc BP
peptidyl-lysine de BP
iron chaperone a MF
immunoglobulin r MF
Fc-gamma recept MF
nuclear mitotic cc CC
nuclear meiotic c
meiotic nuclear n
oligosaccharyltransferase
oligosaccharyltransferase
phosphatidylinositol
1-phosphatidylinositol
phosphatidylinositol
somatic stem cell
regulation of Rac
negative regulation
positive regulation
regulation of Rho
negative regulation
positive regulation
leading edge cell
phosphatidylinositol
histone deacetylase
histone acetyltransferase
sperm-egg recognition
sperm entry
female pronucleus
male pronucleus
embryonic heart
cardiocyte differentiation
embryonic heart
brahma complex
interchromatin granule
nuclear speck
methylated histone
regulation of histone
positive regulation
negative regulation
axoneme assembly
siRNA loading onto
establishment of
establishment of
phosphatidylinositol
sperm chromatin
spermatogenesis
response to nicotine
behavioral response
histone methyltransferase
ESC/E(Z) complex
FACT complex
PRC1 complex
operant condition BP
limb morphogene BP
genitalia morpho BP
embryonic forelim BP
embryonic hindlim BP
post-embryonic f BP
forelimb morpho BP
hindlimb morpho BP
exon-exon juncti CC
tube formation BP
regulation of tube BP
embryonic hemato BP
post-embryonic h BP
histone kinase ac MF
histone serine kin MF
histone kinase ac MF
social behavior BP
Rb-E2F complex CC
post-transcription BP
gene silencing by BP
production of miR BP
siRNA binding MF
miRNA binding MF
cell competition i BP
glutamate-cysteir MF
positive regulatio BP
ectopic germ cell BP
ionotropic glutar BP
vitamin A biosynt BP
tube morphogeni BP
dopamine binding MF
protein-arginine c MF
protein-arginine c MF
protein-arginine c MF
peptidyl-arginine BP
peptidyl-arginine BP
alpha-1,4-N-acety MF
synaptic transmis BP
UDP-galactosyltr MF
UDP-glucosyltran MF
UDP-xylosyltrans MF
ciliary rootlet CC
glutamate receptor MF
ionotropic glutar MF
G protein-couplet MF
glucocorticoid rec MF
external genitalia BP
gonad morphoge BP
multicellular orga BP
organ growth BP
NuA4 histone ace CC
protein mannosyl BP
protein O-linked r BP
endocrine system BP
exocrine system r BP
ethanol binding MF
miRNA mediated BP
mRNA cleavage ir BP
miRNA loading or BP
pre-miRNA expor BP
segmentation BP
brain segmentation BP
tube development BP
inositol pentakis MF
regulation of dep BP
regulation of prot BP
negative regulatix BP
positive regulatio BP
positive regulatio BP
negative regulatix BP
5'-3' exodeoxyrib MF
wound healing, sr BP
hair cell different BP
Toll-like receptor MF
transcriptionally CC
hippo signaling BP
regulation of hipp BP
negative regulatix BP
positive regulatio BP
Notch receptor pi BP
peptidyl-tyrosine BP
long-chain fatty-a BP
long-chain fatty-a BP
SPOTS complex CC
inosine transport BP
hypoxanthine tra BP
coenzyme A trans BP
FAD transmembr BP
heme transmemr BP
NAD transmemr BP
gastric emptying  BP
adenine/guanine  MF
positive regulatio  BP
SNARE complex a  BP
SNARE complex d  BP
cAMP response e  MF
carnosine metab  BP
carnosine biosynt  BP
MH2 domain binc  MF
MH1 domain binc  MF
metanephric part  BP
positive regulatio  BP
regulation of myc  BP
positive regulatio  BP
negative regulatic  BP
oxidative DNA de  BP
oxidative RNA dei  BP
oxidative RNA deiMF
oxidative DNA de MF
PR-DUB complex  CC
histone H2A mon  BP
protein K29-linke  BP
monoubiquitinat  BP
monoubiquitinat  BP
protein K29-linke  BP
proline transmem  BP
NF-kappaB p50/p CC
retrograde transp  BP
NADH pyrophosp  MF
carbohydrate res  MF
8-oxo-7,8-dihydr  MF
regulation of SNA  BP
positive regulatio  BP
negative regulatic  BP
determination of  BP
oxidative single-s  BP
oxidative single-s  BP
intracellular signa  BP
negative regulatic  BP
positive regulatio  BP
regulation of kidn  BP
regulation of pro  BP
non-canonical Wr  BP
N-terminal peptic  BP
N-terminal peptic  BP
response to stilbBP
entry of bacterium BP
purine ribonuclec MF
exploration behav BP
locomotory explo BP
histone methyltrc MF
L-DOPA receptor MF
phosphoanandan BP
enteric smooth τ BP
endosome to mel BP
AP-1 adaptor con MF
AP-3 adaptor con MF
interleukin-18-mće BP
eRF1 methyltrans CC
Mon1-Ccz1 comp CC
Toll-like receptor MF
Toll-like receptor MF
TIRAP-dependent BP
TRAM-dependent BP
oligopeptide tran BP
oligopeptide tran MF
tricarboxylic acid BP
neuromast hair σ BP
memory T cell ex†BP
helper T cell extrε BP
helper T cell diap BP
sperm fibrous she CC
cellular response BP
macrophage migr BP
macrophage migr CC
NOS2-CD74 comp CC
mitochondrial prc BP
mitophagy by ind BP
monocyte extravBP
hematopoietic str BP
monocyte homec BP
memory T cell actBP
T-helper 1 cell actBP
T-helper 2 cell actBP
response to nitroBP
macrophage migr MF
intraciliary anter BP
intraciliary retro BP
interleukin-12-mε BP
interleukin-15-mε BP
sodium ion transm  
common myeloid  
lysophosphatidic MF  
response to hepa BP  
cellular response BP  
S-nitrosoglutathion MF  
dinitrosyl-iron coMF  
nitric oxide storage BP  
hepatic stellate cell BP  
intraciliary transp BP  
natural killer cell BP  
myelin sheath ab:CC  
myelin sheath ad:CC  
protein localization BP  
regulation of lyso BP  
lysosomal lumen BP  
B cell chemotaxis BP  
cardiolipin hydrol MF  
chemokine (C-C n MF  
chemokine (C-C n MF  
mesangial cell-mc BP  
endothelial cell cl BP  
endothelial cell cl BP  
ribonucleoprotein CC  
interleukin-4-mec BP  
interleukin-13-mec BP  
insulin secretion i BP  
positive regulation BP  
CD80 biosynthetic BP  
CD86 biosynthetic BP  
CD4-positive, alpl BP  
cell migration inv BP  
metanephric mes BP  
platelet-derived g BP  
platelet-derived g BP  
positive regulation BP  
positive regulation BP  
negative regulation BP  
2-alkenal reducta MF  
ureter maturation BP  
deubiquitinase ac MF  
adrenal cortex de BP  
adrenal cortex foi BP  
egg coat formatic BP  
structural constit MF
egg coat  CC
regulation of urin BP
positive regulatio BP
negative regulatric BP
renal sodium excr BP
regulation of renBP
negative regulatric BP
positive regulatio BP
modulation of prc BP
gene conversion  BP
homologous reco BP
growing cell tip  CC
new growing cell  CC
cloaca developm Bush
photoreceptor ce BP
oviduct epitheliur BP
uterine epitheliur BP
nephric duct elon BP
Krueppel-associat MF
horizontal cell loc BP
chromosome pas BP
megakaryocyte d BP
Seh1-associated c CC
glial cell-derived r BP
site of double-str.CC
dITP catabolic prc BP
response to pota BP
cellular response BP
alphav-beta3 inte CC
alphav-beta3 inte CC
alphav-beta3 inte CC
ciliary transition z CC
dITP diphosphata MF
protein K11-linke BP
nucleotide-bindinBP
lactate transmemBP
cellular response BP
death effector do MF
nail development BP
plasma membran BP
embryonic nail pl BP
amacrine cell diffi BP
enteroendocrine BP
vascular smooth r BP
parathyroid horm BP
response to isolate
response to immunity
aorta development
ascending aorta
descending aorta
dorsal aorta development
aorta morphogen
ascending aorta
descending aorta
dorsal aorta morphogen
skeletal muscle
cellular response
mRNA 3'-UTR
RNA import into ribosome
rRNA import into ribosome
corticosterone secretion
mitochondrial ncRNA
mitochondrial mRNA
cellular response
COPI-coated vesicle
cardiolipin acyl-choline
peptidyl-threonine
peptidyl-histidine
aggrephagy
transcription factor CC
histone H2A-S135
senescence-associated CC
senescence-associated
endodermal cell
chondrocyte proliferation
tendon development
tendon cell differentiation
tendon formation
deltoid tuberosity
response to muscle
7,8-dihydroneopterin
tetrahydrofolate
pre-mRNA binding
positive regulation
GAF domain binding
cellular response
long-chain fatty-a BP
hyalurannon cable CC
response to plate BP
cellular response BP
double-stranded MF
BMP binding MF
histone H3-K9 dir BP
histone H3-K9 tri BP
sperm flagellum CC
CatSper complex CC
prostaglandin H2 MF
prostaglandin D2 MF
13-prostaglandin MF
12-hydroxyheptalone MF
kynurenine amin MF
peptidyl-histidine BP
peptidyl-histidine MF
peptidyl-asparagine MF
kringle domain bi MF
dendritic cell hor BP
cellular response BP
phosphatidyglycerol BP
phosphatidylinositol BP
phosphatidylserine BP
phosphatidylethanolamine BP
triglyceride acyl-c BP
acylglycerol acyl-r BP
inner dynein arm CC
outer dynein arm CC
outer dynein arm BP
inner dynein arm BP
cell-abiotic substr BP
phenotypic switch BP
13-lipoxin reductase MF
early phagosome CC
muscle cell projec CC
protein modificat BP
dTTP diphosphatase MF
UTP diphosphatase MF
protein localization BP
cellular response BP
peroxisome trans BP
response to meth BP
multivesicular body BP
opsin transport BP
L-fucose mutarot MF
glutathione hydrox MF
sodium ion export BP
calcitriol biosynth BP
myofilament CC
cytidine diphosph MF
pre-replicative co BP
thiocyanate pero: MF
RNA N6-methylac CC
proteasome-activ MF
arachidonate 8(S) MF
cconversion of ds :BP
histone H3-K14 ac CC
histone H3-R26 cit BP
histone citrullinat BP
tRNA stabilization BP
L-phosphoserine MF
D-phosphoserine MF
K48-linked polyub MF
maintenance of l BP
citrate synthase a MF
calcium import in BP
microtubule minl CC
L-methionine-(S)- MF
keratohyalin gran CC
hepatocyte grow MF
BLOC-2 complex I MF
TRAIL-activated a BP
TRAIL receptor ac MF
cytoplasmic ribon CC
synaptic vesicle ri BP
synaptic vesicle ri BP
5-hydroxy-L-trypt MF
L-dopa decarboxy MF
tyrosine 3-monoc MF
cellular response BP
cell death in respir BP
cell death in respir BP
neuron death in respir BP
somatodendritic c CC
L-dopa decarboxy MF
peroxidase inhib MF
intrinsic apoptot BP
ventral trunk neu BP
nitric-oxide synth MF
CHOP-C/EBP com CC
eIF2alpha phosph BP
positive regulatio BP
positive regulatio BP
regulation of tran BP
IRE1-mediated ur BP
PERK-mediated u BP
ATF6-mediated u BP
UFD1-NPL4 comp CC
Derlin-1-VIMP coiCC
ERAD pathway BP
prosaposin recep MF
protein alpha-1,2 BP
trimming of term BP
trimming of term BP
trimming of first r BP
trimming of seco r BP
Derlin-1 retrotrar CC
dopaminergic net BP
serotonergic neur BP
chemoattraction BP
chemorepulsion c BP
astrocyte-dopami BP
protein deglycase MF
protein deglycati BP
peptidyl-cysteine BP
peptidyl-arginine BP
peptidyl-lysine de BP
protein deglycati BP
protein deglycati BP
glutathione degly BP
paracrine signalin BP
endocrine signalin BP
opioid receptor si BP
netrin-activated s BP
TRAF-mediated si BP
insulin receptor ir BP
Wnt receptor cat:BP
insulin receptor r BP
leptin receptor ac MF
signaling receptor MF
cargo receptor ac MF
reelin receptor ac MF
reelin-mediated s BP
apolipoprotein A-BP
ingulin receptor s BP
epidermal growth BP
non-canonical Wr BP
non-canonical Wr BP
positive regulatio BP
sphingosine-1-ph MF
G protein-coupled CC
G protein-coupled CC
G protein-coupled CC
cross-receptor inl BP
interleukin-5-mec BP
enkephalin recep MF
morphine recep MF
dynorphin recep MF
nitric oxide-cGMF BP
NIK/NF-kappaB si BP
protein tyrosine k MF
collagen-activate BP
collagen receptor MF
collagen-activate BP
p38MAPK cascadi BP
peptidyl-tyrosine BP
vascular endothe BP
vascular endothe MF
positive regulatio BP
positive regulatio BP
nodal signaling p£BP
Fc receptor signal BP
Fc-gamma recep BP
Fc-epsilon recep BP
Fc-gamma recep BP
positive regulatio BP
sequestering of B BP
nodal binding MF
sequestering of n BP
activin receptor a MF
negative regulatic BP
Kit signaling path BP
interleukin-2-mec BP
interleukin-7-mec BP
interleukin-8-mec BP
chemokine (C-C n BP
chemokine (C-C n BP
C-C motif chemol MF
urokinase plasmin BP
TORC1 signaling  BP
TORC2 signaling  BP
pronephric field s BP
pronephric neph r BP
pronephric neph r BP
pronephric neph r BP
pronephric duct m BP
induction by virus BP
suppression by vi BP
negative regulation BP
regulation of RIG- BP
RIG-I binding  MF
suppression by vi BP
suppression by vi BP
suppression by vi BP
fusion of virus me BP
negative strand dec BP
single stranded vi BP
viral RNA genome BP
DNA-templated v BP
viral budding via l BP
co-receptor bindi MF
establishment of  BP
regulation of gro BP
regulation of gro BP
positive regulation BP
locomotion  BP
regulation of loco BP
negative regulation BP
regulation of mul BP
negative regulation BP
embryonic cleav a BP
positive regulation BP
positive regulation BP
positive regulation BP
regulation of mei BP
regulation of gen BP
regulation of mol BP
sRNA modification BP
regulation of dev BP
regulation of fibr BP
negative regulation BP
polar body extrus BP
thermosensory b BP
interleukin-18 bin MF
interleukin-18 rec MF
interleukin-15 rec MF
interleukin-16 bin MF
interleukin-16 rec MF
interleukin-20 bin MF
interleukin-23 bin MF
interleukin-23 rec MF
interleukin-12 rec CC
DNA endoredupli BP
protein refolding BP
ATPase inhibitor : MF
peptidyl-histidine BP
neurexin family p MF
fluid transport BP
epithelial fluid tra BP
olfactory behavio BP
regulation of dop BP
negative regulatiBP
wound healing BP
gliogenesis BP
intraciliary transp BP
cell migration inv BP
T-helper 1 type in BP
type 2 immune re BP
T-helper cell diff BP
T cell proliferation BP
B cell proliferatio BP
T cell receptor co CC
positive regulatio BP
positive regulatio BP
alpha-beta T cell r CC
t cell activation BP
B cell activation BP
macrophage activ BP
monocyte activat BP
neutrophil activat BP
nitrate metabolic BP
regulation of T ce BP
negative regulatiBP
thiamine phosph MF
fructose 1,6-bisp MF
neurotransmitter BP
rRNA primary trai MF
neurotransmitter BP
neurotransmitter BP
telomeric DNA dou|BP
meiotic DNA dou|BP
vacuole fusion, n|BP
retrograde transp|BP
strand invasion  BP
cellular response BP
lipoprotein metal BP
lipoprotein biosyi BP
lipoprotein catabi BP
telomeric DNA bi|MF
interleukin-12 be|MF
neurotransmitter MF
acetylcholine bi|MF
heme catabolic p|BP
heme metabolic |BP
SH2 domain bindi MF
lysophosphatidic MF
nuclear outer me CC
regulation of prot BP
negative regulatic BP
xenobiotic catabc BP
cellular ketone m BP
ketone catabolic |BP
halogenated hydr BP
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cellular modified BP
response to cocai BP
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tissue regeneratic BP
establishment of BP
establishment of BP
ribosome biogene BP
ribosome assemb BP
mature ribosome BP
DNA protection  BP
peptidyl-aspartic BP
peptidyl-asparagi BP
natural killer cell BP
regulation of natl BP
protection from r BP
susceptibility to n BP
nuclear RNA expc CC
ribosomal large s BP
ribosomal small s BP
error-free postre|BP
error-prone trans BP
peptide binding MF
purine nucleoside BP
dolichyl pyrophos MF
hydroxymethylglc MF
dolichyl pyrophos MF
sphingolipid delta MF
xylosyltransferase MF
MHC protein bind MF
MHC class I prote MF
MHC class II prote MF
URM1 activating MF
vocal learning BP
beta-amyrin synt MF
phosphate ion bir MF
regulation of fath BP
regulation of prot BP
positive regulatio BP
negative regulatix BP
vasoconstriction BP
vasodilation BP
protein kinase C c BP
regulation of circ BP
negative regulatix BP
negative regulatix BP
negative regulatix BP
regulation of pho BP
negative regulatix BP
positive regulatio BP
heparan sulfate NM F
cuticle development BP
keratan sulfate m BP
keratan sulfate c s BP
'de novo' GDP-L-f BP
GDP-L-fucose salh BP
L-fucose catabolis BP
GDP-4-dehydro-DF MF
thiamine diphosp BP
vitamin D metabc BP
vitamin E metabo BP
menaquinone cat BP
vitamin D biosynt BP
vitamin D catabol BP
vitamin K biosynt BP
vitamin K metabc BP
glucose homeost: BP
response to starv BP
behavioral respor BP
fear response  BP
lamellar body  CC
riboflavin reducta MF
peptide antigen b MF
T cell receptor bir MF
CD4 receptor binc MF
CD8 receptor binc MF
MHC class I prote CC
MHC class II prote CC
photoreceptor ol CC
ATPase-coupled i MF
ATPase-coupled t MF
chylomicron  CC
mating plug form BP
mast cell granule  CC
cellular response  BP
cholesterol home BP
hair cycle  BP
regulation of hair BP
positive regulatio BP
negative regulatic BP
actomyosin  CC
mitochondrial nu CC
MHC class II prote MF
regulation of cell  BP
positive regulatio BP
negative regulatic BP
regulation of end  BP
negative regulatic BP
negative regulatic BP
regulation of inne BP
muscle cell differ BP
muscle cell fate o BP
ovulation cycle  BP
follicle-stimulatin BP
luteinizing hormo BP
progesterone sec BP
uterine wall breal BP
succinate-CoA lig CC
maternal behavio BP
sperm ejaculatio BP
mitochondrial int CC
mitochondrial inn CC
TIM22 mitochond CC
thiamine-containi BP
fibrinolysis BP
PH domain bindir MF
D-xylose metabol BP
embryonic digit n BP
presynaptic mem CC
drug catabolic pr BP
exogenous drug c BP
hydrogen peroxid BP
hydrogen peroxid BP
circadian sleep/w BP
circadian sleep/w BP
circadian sleep/w BP
regulation of circi BP
regulation of circi BP
positive regulatio BP
negative regulatix BP
eating behavior BP
drinking behavior BP
long-chain fatty a BP
long-chain fatty a BP
very long-chain fBP
very long-chain fBP
GPI-anchor trans CC
nucleosome mob BP
DNA damage resBP
signal transductio BP
intrinsic apoptoti BP
DNA damage resBP
ATP synthesis co BP
plasma membran BP
mitochondrial AT BP
mitochondrial AT BP
tRNA 3'-trailer cle BP
tRNA 3'-end proc BP
3'-tRNA processin MF
polysomal ribosoi CC
mRNA transcripti BP
nucleolar large rR BP
5S class rRNA trar BP
snRNA transcripti BP
snRNA transcripti BP
tRNA transcriptio BP
histone methyltransferase
actinin binding
fucose binding
vitamin D receptor
Wnt-activated receptor
vitamin B6 metabolism
pyridoxal phosphate
MHC class I peptide
TAP complex
histone deacetylase
platelet dense granules
defense response
peptidoglycan binding
BRE binding
d-glucuronate metabolism
d-xylose catabolism
L-alanine metabolism
L-alanine catabolism
pyruvate metabolism
cysteine transporter
amide transporter
amide transport
amygdalin metabolism
amyloid precursor
ornithine decarboxylase
amyloid precursor
regulation of amy BP
negative regulatic BP
positive regulatio BP
amyloid precurso BP
X11-like protein t MF
sequestering of a BP
cytoplasmic sequ BP
negative regulatix BP
positive regulatio BP
Golgi to plasma π BP
Golgi to plasma π BP
cytoplasmic sequ BP
neuron projector CC
activation of pho:BP
maintenance of r BP
ATP-dependent p MF
chordate embryo BP
camera-type eye  BP
myeloid dendritic BP
regulation of fusix BP
alpha-tubulin bin MF
gamma-tubulin b i MF
NADPH oxidase c CC
ribonuleoproteir MF
ribosome binding MF
ribosomal large s MF
ribosomal small s MF
neuronal cell bod CC
cysteine-type enc MF
cysteine-type enc MF
T cell homeostasi BP
regulation of mac BP
negative regulatix BP
positive regulatio BP
isoamylase comp CC
costamere  CC
chromatin insulat MF
tRNA aminoacyla BP
amino acid activa BP
peptide biosynthē BP
ATP-dependent c BP
DNA methylation BP
DNA methylation BP
single-stranded t MF
dolichyl monophc BP
alcohol binding   MF
rhythmic excitaticBP
vacuolar sequest BP
vascular endothe MF
vascular endothe MF
vascular endothe MF
P granule  CC
H4/H2A histone a CC
ATP-binding casse CC
axon initial segme CC
terminal bouton  CC
varicosity  CC
dendritic spine  CC
dendritic shaft  CC
sulfate binding  MF
response to amin BP
response to leucin BP
lysosomal lumen  CC
axon hillock  CC
perikaryon  CC
glycosphingolipid MF
myelin sheath  CC
myelin maintenar BP
compact myelin  CC
lateral loop  CC
Schmidt-Lanterm CC
SMC family prote MF
membrane-bounc CC
intracellular organ CC
receptor complex CC
laminin binding  MF
laminin-1 binding MF
Fanconi anaemia CC
negative regulatic BP
positive regulatio BP
regulation of prot BP
telomere mainter BP
proteasome assei BP
erythrocyte matu BP
sodium-dependen MF
sodium-dependen BP
sodium-independ BP
regulation of prot BP
laminin complex  CC
laminin-8 comp CC
enucleate erythroid
beta selection
positive T cell selection
CD4-positive or C
regulation of CD4
negative regulation
positive regulation
CD4-positive, alpha
CD8-positive, alpha
CD8-positive, alpha
regulation of CD8
negative regulation
positive regulation
memory T cell differentiation
regulation of memory
negative regulation
positive regulation
negative T cell selection
positive regulation
negative regulation
negative regulation
positive regulation
proteoglycan binding
heparan sulfate binding
HLH domain binding
cortisol secretion
steroid hormone
glucocorticoid metabolism
skeletal muscle tissue
regulation of skeletal
positive regulation
negative regulation
positive regulation
negative regulation
positive regulation
negative regulation
homocysteine catalysis
anthranilate metabolism
protein kinase B binding
3-phosphoinositide binding
bHLH transcription factor binding
MRF binding
2-decaprenyl-6-rhamnose binding
negative regulation BP
acetoacetic acid r BP
regulation of pent BP
regulation of cell BP
proton-transport i BP
regulation of ATP BP
regulation of cell BP
pigmentation BP
pigment metabol BP
cellular pigment α BP
regulation of RNA BP
histone exchange BP
regulation of mRF BP
RNA stabilization BP
malate-aspartate BP
protein kinase B s BP
protein-membran MF
skeletal muscle fi BP
mitochondrial DN BP
regulation of JUN BP
positive regulation BP
negative regulation BP
activin A complex CC
inhibin A complex CC
inhibin B complex CC
interleukin-12 cor CC
kinetochore bindi MF
regulation of DNA BP
positive regulation BP
negative regulation BP
regulation of myc BP
leucine zipper doi MF
regulation of neu BP
negative regulation BP
positive regulation BP
tRNA methyltrans CC
GET complex CC
adenosine 5’-mor MF
ADP binding MF
angiostatin bindi MF
inositol 1,3,4,5 te MF
blood vessel endc BP
regulation of bloc BP
positive regulation BP
negative regulation BP
regulation of actin BP
protein serine/thr MF
6-phosphofructo-CC
UDP-N-acetylgluc CC
endothelial cell m BP
protein acylation BP
lipoamide binding MF
molybdopterin cc BP
molybdopterin cc MF
positive regulation BP
phosphatidylinosi MF
regulation of kina BP
regulation of lipid BP
regulation of pho BP
positive regulation BP
negative regulation BP
regulation of tran BP
regulation of tran BP
insulin binding MF
insulin receptor s MF
Ku70:Ku80 compl CC
regulation of insu BP
positive regulation BP
negative regulation BP
maintenance of C BP
regulation of resp BP
ear development BP
nose developme BP
nose morphogen BP
tongue developm BP
tongue morphoge BP
skin development BP
skin morphogen BP
nuclear replicatio CC
nitrate catabolic BP
cellular amide m BP
cellular amide cat BP
regulation of cart BP
multi-eIF compl CC
astrocyte cell mig BP
keratinocyte prol BP
regulation of tran BP
regulation of tran BP
regulation of DNA BP
cortical microtubu BP
exonucleolytic cat BP
ossification involv BP
ossification involv BP
protein-containin BP
positive regulatio BP
regulation of cAM BP
positive regulatio BP
negative regulati BP
3-hydroxypropior MF
histone H3 acetyl BP
histone H4 acetyl BP
histone H2A aceti BP
histone H2B aceti BP
histone H3-K9 ac BP
histone H3-K23 ac BP
histone H3-K4 ac BP
histone H2A-K5 a BP
histone H2B-K5 a BP
histone H2B-K12 BP
histone H4-K5 ac BP
histone H4-K8 ac BP
histone H4-K12 ac BP
histone H4-K16 ac BP
histone H4-R3 me BP
histone H3-S10 p BP
histone H3-S28 p BP
histone H2A-S1 p BP
histone acetyltrar MF
histone acetyltrar MF
histone acetyltrar MF
histone acetyltrar MF
H2A histone acet MF
modulation by sy BP
H2B histone acet MF
histone methyltrc MF
hypermethylatio BP
hypomethylation BP
regulation of DNA BP
translocation of p BP
regulation of dige BP
regulation of excr BP
regulation of resp BP
regulation of anic BP
regulation of vacl BP
positive regulatio BP
cerebellar mossy CC
climbing fiber CC
dentate gyrus moCC
main axon CC
calyx of Held CC
neuron projection CC
dendritic branch CC
axonal spine CC
neuron spine CC
protein K6-linked BP
protein K27-linked BP
cone cell pedicle CC
wound healing, sq BP
cellular response BP
response to leptin BP
endoplasmic reticulum CC
retinoic acid-respons MF
ion channel binding MF
dendritic spine ne CC
canonical Wnt signal BP
canonical Wnt signal BP
canonical Wnt signal BP
canonical Wnt signal BP
cell-cell adhesion BP
canonical Wnt signal BP
canonical Wnt signal BP
canonical Wnt signal BP
canonical Wnt signal BP
canonical Wnt signal BP
canonical Wnt signal BP
sodium-dependent BP
type B pancreatic BP
cellular response BP
stromal-epithelial BP
fibroblast apoptosis BP
macropinocytosis BP
macropinosome CC
clearance of foreign BP
regulation of rRNA BP
regulation of per BP
RNA polymerase MF
non-sequence-specific MF
protein localization BP
glucose import BP
negative regulation BP
small protein activation MF
ubiquitin-like protein MF
microspike CC
adhesion of symb BP
entry into host BP
motile cilium assembly BP
glutaryl-CoA hydr MF
protein sulfhydryl BP
regulation of mito BP
supraspliceosome CC
long-chain fatty acid BP
L-cystine L-cysteine MF
NSL complex CC
NLRP3 inflammasome BP
DNA topoisomerase MF
S100 protein binding MF
GTP cyclohydrolase MF
relaxation of smo BP
dendritic cell proliferation BP
[2Fe-2S] cluster assembly BP
butyryl-CoA catabolism MF
17-beta-hydroxysteroid MF
decaprenyl dihydromycin MF
3-demethylubiquitin MF
daunorubicin metabolism BP
doxorubicin metabolism BP
AP-5 adaptor complex CC
protein deadenylation BP
protein adenylylation MF
DBIRD complex CC
FMN transmembrane MF
nuclear pore inner CC
nuclear pore central CC
nuclear pore cytoplasmic CC
nuclear pore nucleolar CC
histone H3-K4 dimethylation BP
adhesion of symbiosis BP
MLL3/4 complex CC
tooth eruption BP
8-oxo-dGDP phosphorylation MF
8-oxo-GDP phosphorylation MF
8-hydroxy-dADP phosphorylation MF
protein import into the nucleus BP
protection of DNA BP
dNA demethylation BP
hemi-methylated MF
depyrimidination BP
actin nucleation  BP
mitochondrial memBP
negative regulatoryBP
early endosome t BP
G0 to G1 transitic BP
mitochondrial deple
plasma membrane BP
DNA end binding MF
G protein-coupled MF
G protein-coupled MF
G protein-coupled MF
G protein-coupled MF
protein insertion BP
protein insertion BP
protein import in BP
protein import in BP
protein targeting BP
protein insertion BP
protein insertion BP
protein retention BP
constitutive secretion BP
regulated exocytosis BP
transcytosis BP
T cell selection BP
positive thymic T BP
negative thymic T BP
thymic T cell selecBP
extrathymic T cell BP
T-helper 1 cell dif BP
T-helper 2 cell dif BP
cytotoxic T cell dif BP
regulatory T cell dif BP
regulation of virus BP
positive regulation BP
regulation of signal BP
interleukin-18 recep.
keratin filament CC
type III intermediate CC
intermediate filar BP
intermediate filar BP
intermediate filar BP
intermediate filar BP
integrin biosynthesis BP
regulation of inte BP
protein neddylati BP
azole transmemb BP
pronucleus CC
membrane raft CC
cellular extravasa BP
regulation of bon BP
bioactive lipid rec MF
N-acetylgluosam MF
keratan sulfotran MF
pre-mRNA branch MF
meiotic chromos MP
uridine-diphosph MF
development of s BP
development of p BP
meiotic telomere BP
triplex DNA bindi MF
homologous chro BP
single-stranded D MF
tripeptide amino MF
myosin II binding MF
neuronal ion char BP
clustering of volt BP
clustering of volt BP
cell fate commitn BP
asymmetric prote BP
intercellular bridg CC
glutathione dehyr MF
basal protein loca BP
apical protein loc BP
apical part of cell CC
basal part of cell CC
apical cortex CC
basal cortex CC
translation regula MF
translation factor MF
establishment of BP
maintenance of p BP
zonula adherens :BP
regulation of circ BP
regulation of circ BP
isotype switching BP
regulation of isol BP
establishment or BP
establishment of BP
maintenance of e BP
establishment of BP
synapse
MAPK export for BP
MAPK phosphata BP
FasL biosynthetic BP
postsynaptic men CC
neurotransmitter BP
sarcomere organi BP
cell-cell junction r BP
cell-cell junction r BP
zonula adherens r BP
negative regulatic BP
negative regulatic BP
extracellular poly BP
protein palmitole BP
CXCR1 chemokin MF
tricarboxylic acid CC
succinate-CoA lig CC
oxoglutarate deh CC
pyruvate dehydrc CC
proton-transporti CC
proton-transporti CC
proton-transporti CC
respiratory chain CC
respiratory chain CC
respiratory chain CC
respiratory chain CC
succinate dehydrc CC
mRNA cis splicing BP
alpha-catenin bin MF
gamma-catenin b MF
tubulin complex CC
protein phosphor MF
leukocyte activat i BP
unmethylated Cp MF
late endosome to BP
carnitine biosynth BP
phospholipid tran BP
cellular respiratio BP
clathrin-coated e i CC
phagocytic vesick CC
farnesyl diphosph BP
farnesyl diphosph BP
mercury ion bindi MF
MHC class II biosynthesis regulation of MHC
negative regulation BP
positive regulation BP
interleukin-1 type MF
interleukin-1 type MF
regulation of nitric BP
positive regulation BP
fat cell differentiation BP
myoblast differentiation BP
endothelial cell differentiation BP
bone resorption BP
cell redox homeostasis BP
response to ethanol BP
response to ether BP
locomotor rhythm BP
photoreceptor cell BP
pole plasma CC
chemorepellent chemokine MF
dynein light chain MF
dynein heavy chain MF
dynein intermediate MF
interleukin-27 receptor MF
interleukin-27 binding MF
interleukin-18 receptor MF
interleukin-23 receptor MF
negative regulation BP
positive regulation BP
syndecan binding MF
dehydropavelicholyl ceramide MF
geranylgeranyl reductase MF
TRAIL binding MF
mast cell activation BP
regulation of B cell BP
negative regulation BP
positive regulation BP
regulation of T cell BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
regulation of gammaria BP
positive regulation BP
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UMP catabolic pr BP
UTP metabolic pr BP
UTP catabolic pro BP
dGMP metabolic BP
dGMP catabolic p BP
dADP catabolic pr BP
cAMP metabolic j BP
dAMP catabolic p BP
dATP metabolic p BP
dATP catabolic pr BP
dGDP catabolic pr BP
cGMP metabolic j BP
cGMP catabolic p BP
dGTP metabolic p BP
dTMP catabolic p BP
dUMP catabolic p BP
dUTP catabolic pr BP
adenine metaboli BP
adenine biosynth BP
adenosine metab BP
adenosine biosyn BP
deoxyctydine me BP
guanine metaboli BP
hypoxanthine me BP
hypoxanthine bio BP
inosine biosynthe BP
thymidine metab BP
thymidine biosyn BP
uridine metabolic BP
xanthine biosynth BP
deoxyribonucleos BP
purine deoxyriboi BP
purine ribonuclec BP
pyrimidine nuclec BP
pyrimidine nuclec BP
tetrahydrobiopte BP
alcohol catabolic BP
glyceraldehyde-3-BP
glycerol-3-phosph BP
glycerol-3-phosph BP
D-gluconate catal BP
aldehyde cataboli BP
spermidine catabol BP
nor-spermidine r BP
spermine catabol BP
nitric oxide metab BP
nitric oxide catab BP
indolalkylamine b BP
aflatoxin metabol BP
aflatoxin cataboli BP
coumarin catabol BP
stilbene catabolic BP
formaldehyde bic BP
formaldehyde cat BP
glycolate biosynl BP
phosphocreatine BP
gluconokinase acl MF
negative regulatBP
regulation of fatt BP
positive regulatio BP
negative regulatBP
glucose import BP
regulation of gluc BP
negative regulatBP
positive regulatio BP
glycerol biosynth BP
regulation of JNK BP
negative regulatBP
positive regulatio BP
lateral inhibition BP
SMAD binding MF
phosphatidyletha BP
phosphatidyletha BP
diaclylglycerol me BP
diacylglycerol cat BP
CDP-diacylglycer BP
acetyl-CoA catabu BP
butyrate cataboli BP
2-oxobutyrate bic BP
GDP-L-fucose me BP
fructose biosynth BP
L-arabinose meta BP
N-acetylneuramin BP
deoxyribose phos BP
ribose phosphate BP
carboxylic acid ca BP
UDP-glucuronate BP
polynucleotide 3' MF
ATP-dependent p MF
urate metabolic p BP
D-amino acid metabolism
negative regulation
positive regulation
organophosphate
creatine metabolism
dihydrofolate metabolism
icosanoid biosynthesis
hexadecanal metabolism
short-chain fatty acid
acylglycerol metabolism
membrane lipid metabolism
platelet activating factor
phosphatidylcholine
phosphatidylglycerol
phosphatidic acid
glycerophospholipids
glycosylceramide
glycosphingolipid
heterocycle metabolism
ether lipid metabolism
glycerolipid metabolism
glyoxylic acid metabolism
phosphatidylinositol
L-methylmalonylnicotinamide
S-adenosylhomocysteine
S-adenosylmethionine
protoporphyrinogen
sphinganine biosynthesis
sphingosine biosynthesis
ceramide biosynthesis
ceramide metabolism
sphingoid biosynthesis
sphingoid metabolism
S-methyl-5-thioribosylxylosylprotein
xylosylprotein 4-tetralin
D-xylulose reductase
glucosyltransferase
negative regulation
2,3-bisphosphoglycerate
histamine N-methyltransferase
U4/U6 x U5 tri-sn CC
saliva secretion
development of s BP
development of s BP
development of f BP
development of f BP
retinal rod cell de BP
retinal cone cell d BP
malate dehydrog MF
alpha-L-arabinofu MF
methylthioribulos MF
long-chain-alcoh MF
regulation of Ras BP
positive regulatio BP
negative regulatio BP
intercellular cana CC
positive regulatio BP
negative regulatio BP
polyamine oxidas MF
regulation of vira BP
negative regulatio BP
positive regulatio BP
regulation of cent BP
negative regulatio BP
positive regulatio BP
regulation of mitc BP
positive regulatio BP
regulation of cent BP
lysosomal proton CC
drug export BP
optic placode for BP
regulation of orgc BP
negative regulatio BP
positive regulatio BP
sphingolipid flopp MF
sphingolipid trans MF
sphingolipid bindi MF
regulation of insu BP
negative regulatio BP
positive regulatio BP
gamma-delta T ce BP
alpha-beta T cell i BP
alpha-beta T cell r BP
alpha-beta T cell l BP
positive regulatio BP
negative regulatio BP
positive regulatio BP
viral budding
protein autophosphorylation by viral protein
regulation of viral mRNA export
microtubule polymerization
viral replication cycle
host cell surface receptor-mediated virion binding
histone deacetylation
receptor-mediated coreceptor-mediated chemokine receptor-mediated
positive regulation
negative regulation
positive regulation
regulation of RNA polymerase II-mediated transcription
positive regulation
negative regulation
positive regulation
negative regulation
lipid phosphorylation
phosphorylated carbohydrate
phosphorylated phospholipid
filopodium assembly
hydroxyapatite binding
bone remodeling
regulation of bone metabolism
negative regulation
phosphatidylinositol
inositol phosphatase
phosphatidylinositol
terpenoid transport
cadmium ion binding
metal ion transport
quinolinate metabolism
ephrin receptor binding
regulation of salivary gland development
positive regulation
hormone secretion
regulation of follicle growth
positive regulation
negative regulation
regulation of hormone secretion
regulation of follicle-stimulating hormone
regulation of horr BP
positive regulatio BP
positive regulatio BP
negative regulatia BP
positive regulatio BP
regulation of lipid BP
response to cyclo BP
nucleoside tripho MF
tetrahydrofolylpo BP
tetrahydrofolylpo BP
regulation of mitc BP
secretion BP
tetrapyrrole bindi MF
intracellular trans BP
metal chelating a MF
transferase activi MF
transition metal i MF
transition metal i MF
alpha-(1->3)-fuco MF
alpha-(1->6)-fuco MF
peptide-O-fucosy MF
ER retention seq MF
regulation of neu BP
negative regulatia BP
pore complex CC
pore complex ass BP
proton-transporti MF
phosphatidylinosi MF
1-phosphatidylin MF
nucleotide phosp BP
carboxylic acid tr MF
hydroxylsine bio BP
cellular ketone bc BP
ketone body bios BP
ketone body cata BP
nonassociative le BP
habituation BP
sensitization BP
proton-transporti MF
3'-phosphoadeno BP
3'-phosphoadeno MF
retinoid X receptc MF
cytosol to endopl BP
peptide antigen t BP
NAD-dependent ™ MF
NAD-dependent hMF
histone acetyltran MF
histone methyltran MF
tapasin binding MF
TAP1 binding MF
TAP2 binding MF
tapasin binding MF
protein heterodim MF
protein dimerizat MF
regulation of hear BP
positive regulatio BP
negative regulatic BP
17-alpha,20-alpha MF
sterol-4-alpha-car MF
3-hydroxy-2-metl MF
cholest-5-ene-3-b MF
prostaglandin-F s MF
15-hydroxyprosta MF
15-hydroxyprosta MF
androsterone de MF
5alpha-androstan MF
3-oxoacyl-[acyl-c MF
testosterone deh MF
androsterone de MF
androstan-3-alpha MF
testosterone 17-t MF
vitamin-K-epoxidi MF
phospholipid-hyd MF
ketosteroid monc MF
27-hydroxycholes MF
aminomuconate-MF
4-trimethylammon MF
trans-1,2-dihydro MF
enoyl-[acyl-carrie MF
thiomorpholine-c MF
saccharopine deh MF
saccharopine deh MF
protein-disulfide MF
betaine-homocys MF
1-alkenylglycerop MF
1-alkenylglycerop MF
phosphatidylcholi MF
platelet-activating MF
1-acylglyceropho MF
N-acetyrneuramir MF
1-alkylglycerophosphate MF
1-alkylglycerophosphate MF
galactosylxylosylMF
beta-1,3-galactosylMF
acetylgalactosaminylMF
acetylgalactosaminylMF
glucuronylgalactosylMF
glucuronosyl-N-acetylgalactosaminylMF
lactosylceramide MF
N-acylsphingosine MF
galactosylgalactosaminylMF
glucosaminylgalactosylMF
globoside alpha-1-MF
nicotinamide phosphoramidomMF
monosialoganglioside MF
(alpha-N-acetyleneuraminylMF
lactosylceramide MF
4-hydroxybenzoate MF
(S)-3-amino-2-methyl MF
kynurenine-glyoxyl MF
[hydroxymethylglucosyl] MF
[3-methyl-2-oxobutyl] MF
inositol tetrakisphosphate MF
inositol tetrakisphosphate MF
fucose-1-phosphate MF
D-ribofuranosyl-5-phosphate MF
succinate-hydroxy MF
acylglycerol lipase MF
methylumbelliferone MF
all-trans-retinyl-p MF
dodecanoyl-[acyl-] MF
glycerophosphocholine MF
glycerophosphocholine MF
alkylglycerophosphate MF
glycerophosphoethanolamine MF
glycerophosphoethanolamine MF
protein-glucosylgalactosylMF
alkenylglycerophosphate MF
alkenylglycerophosphate MF
N-acyl-
17-alpha-hydroxy MF
N-acylneuraminic MF
3-hydroxyoctano MF
ATP-dependent N MF
heparosan-N-sulf MF
regulation of res BP
protein N-termini MF
ceramide choline MF
vesicle transport BP
mitochondrion tr BP
calcium-dependent MF
calcium-independent MF
15-oxoprostaglandin MF
2-aminoadipate t MF
2-hydroxyglutarate MF
3',5'-cyclic-GMP 7 MF
3-dehydroshinganine MF
acetoacetyl-CoA l MF
acetylputrescine r MF
acetylpyridine MF
acyl-CoA hydrolase MF
acylglycerol kinase MF
acylpyruvate hydrase MF
ADP-ribose diphosphate MF
allyl-alcohol dehydrogenase MF
arachidonate-CoA MF
arachidonate 8(R)-MF
amine sulfotransferase MF
aspartyltransferase MF
ATP diphosphatase MF
beta-adrenergic r MF
bile-salt sulfotransferase MF
biotinidase activity MF
bis(5'-adenosyl)-t MF
indanol dehydrogenase MF
iron-cytochrome MF
carnosine synthase MF
CDP-glycerol diphosphate MF
chlordecone reduction MF
cholate-CoA ligase MF
cholestanetetraol MF
cholestanetriol 2t MF
cholestenol delta MF
cholestenone 5-a MF
chondroitin 4-sulfate MF
chondroitin-glucuronic MF
butyrate-CoA liga MF
(S)-citramalyl-CoF MF
citrate dehydrata MF
delta4-3-oxosterc MF
cysteamine dioxY MF
L-cysteine:2-oxog MF
cysteine-S-conjug MF
cytidylate cyclase MF
D-glutamate cyclc MF
D-threeo-aldose 1-MF
D-xylose 1-dehyd MF
dCTP diphosphatMF
doxyctydine de:MF
doxyuridine pho MF
diiodophenylpyru MF
dimethylglycine d MF
dolichyldiphosph: MF
farnesol dehydroq MF
fatty acid peroxid MF
flavonol 3-sulfo MF
ganglioside galact MF
GDP-mannose 3,5 MF
glucosamine kina MF
glucose-1,6-bisph MF
glucose 1-dehydr MF
glucose 1-dehydr MF
glucose 1-dehydr MF
L-glucuronate red MF
glucuronolactone MF
glutamine N-acylt MF
glycerol dehydroq MF
glycine N-acyltrar MF
glycine N-choloyl MF
guanosine phosp MF
hepoxilin-epoxide MF
hydroxyacid-oxoa MF
hydroxyllysine kin MF
hydroxymethylglu MF
antigen processin BP
antigen processin BP
antigen processin BP
platelet-derived g BP
insulin-like growt BP
vascular endothe BP
neurotrophin TRK BP
hepatocyte growth
ephrin receptor s
Tie signaling path
phosphatidylinositol
inositol phosphat
inositol lipid-med
receptor ligand α
receptor antagonist
CCR chemokine receptor
regulation of mRNBP
mRNA 5'-UTR binding
monosaccharide binding
heme O biosynthesis
quinone binding
ubiquinone binding
UDP-glucuronate
focal adhesion at
embryonic eye
post-embryonic eye
developmental pigment
eye pigmentation
regulation of development
negative regulation
positive regulation
regulation of chromatin
calcium- and calmodulin
autophagic cell death
somatic stem cell
establishment of
female germ-line
male germ-line stem
spermatocyte division
astrocyte activation
fibroblast proliferation
regulation of fibrinogen
positive regulation
negative regulation
behavioral respor BP
tau protein bindir MF
primary follicle st BP
regulation of syn:BP
regulation of neu BP
regulation of long BP
positive regulatio BP
regulation of shor BP
activin receptor c CC
activin binding MF
Set1C/COMPASS CC
Golgi vesicle tran:BP
Golgi vesicle budt BP
vesicle targeting, BP
vesicle targeting, BP
COPI coating of G BP
COPII vesicle coat BP
regulation of vesi BP
Golgi vesicle fusic BP
Golgi vesicle dock BP
Golgi vesicle prefi BP
inter-Golgi cisterr BP
plasma membran BP
male gamete gen BP
rough endoplasm CC
negative regulatic BP
sperm capacatric BP
epinephrine tran:BP
epinephrine secre BP
norepinephrine sire BP
phytanoyl-CoA di MF
eosinophil chemc BP
macrophage cher BP
lymphocyte cher BP
iron import into t BP
elastic fiber assen BP
lauric acid metab BP
snoRNA localizati BP
mRNA stabilizatio BP
flap endonucleasi MF
3'-flap endonucle MF
regulation of rece BP
positive regulatio BP
negative regulat BP
determination of BP
determination of BP
response to pain  BP
behavioral respor BP
clathrin coat asse BP
methionine aden CC
methionine aden MF
mitogen-activate MF
vesicle docking  BP
vesicle fusion wit BP
organelle fusion  BP
lung alveolus dev BP
isotype switching BP
isotype switching BP
negative regulat BP
positive regulatio BP
negative regulat BP
positive regulatio BP
regulation of isot BP
positive regulatio BP
calcium-depende MF
mitochondrion di BP
intracellular distri BP
axial mesoderm c BP
axial mesoderm r BP
axial mesoderm f BP
mesoderm morpl BP
mesodermal cell i BP
positive regulatio BP
paraxial mesoder BP
paraxial mesoder BP
paraxial mesoder BP
paraxial mesoder BP
paraxial mesoder BP
lateral mesoderm BP
regulation of late BP
mesendoderm de BP
retinoic acid rece BP
regulation of retir BP
positive regulatio BP
negative regulatie BP
endosomal lumene BP
intermediate mes BP
intermediate mes BP
brain-derived net MF
axon extension
axon extension in response to axon
regulation of axon
positive regulation
negative regulation
positive regulation
negative regulation
positive regulation
negative regulation
positive regulation
negative regulation
generation of new
embryonic crania
embryonic neuro
embryonic visceral
embryonic skeletal
skeletal system
embryonic skeletal
astrocyte differer
oligodendrocyte
t regulation of astr
positive regulation
negative regulation
t regulation of olig
positive regulation
negative regulation
tissue morphogen
epidermis morph
system development
gland development
sebaceous gland
cardiac muscle tissue
cardiac muscle fiber
skeletal muscle fiber
t regulation of skel
positive regulation
smooth muscle fiber
muscle fiber development
semicircular canal
pigment granule
branching morphogen
branching morphogen
pigment granule
mesenchymal cell
sarcomerogenesis: BP
tissue remodeling BP
presynaptic activity: CC
cytoskeleton of p: CC
cytoskeletal matrix: BP
maintenance of p: BP
calcium ion regulation: BP
spontaneous exocytosis: BP
pronephros development: BP
genitalia development: BP
female genitalia: BP
male genitalia: BP
neuron projection: BP
dendrite morphology: BP
regulation of dendrites: BP
hair follicle maturation: BP
erythrocyte development: BP
enucleate erythrocyte: BP
inner ear development: BP
otolith development: BP
regulation of axon: BP
positive regulation: BP
negative regulation: BP
artery morphogenesis: BP
venous blood vessel: BP
axon extension: BP
hypophysis morphogenesis: BP
diencephalon morphology: BP
forebrain morphogenesis: BP
brain morphogen: BP
adenohypophysis: BP
anatomical structure: BP
neural nucleus development: BP
cell projection: BP
formation of anatomy: BP
leukemia inhibition: BP
stem cell differentiation: BP
stem cell development: BP
stem cell fate specification: BP
cellular development: BP
cell motility: BP
multicellular organ: BP
homeostasis of n: BP
homeostasis of n: BP
host-mediated re BP
chemical homeos BP
sensory system d BP
peripheral nervol BP
peripheral nervol BP
itaconyl-CoA hydr MF
L-funolate dehyd MF
L-piqueolate oxid MF
L-xylulose reduct MF
lathosterol oxid MF
L-leucine:2-oxogl MF
leukotriene-B4 2C MF
long-chain-aldehy MF
long-chain-fatty-ε MF
m7G(5')pppN dip MF
malonyl-CoA decr MF
L-gulonate 3-deh MF
inositol oxygens MF
myosin-light-chai MF
N-acylglicosamin MF
N-acylneuramin MF
NAD(P)+ nucleosi MF
NADH dehydroge MF
omega-amidase a MF
omega-hydroxyd MF
ornithine(lysine) t MF
phenylpyruvate t MF
phosphatidylinos MF
[phosphorylase] t MF
phytanate-CoA lig MF
plasmalogen synt MF
fucokinase activit MF
plasmanylethano MF
procollagen galac MF
progesterone 5-a MF
propionate-CoA li MF
prostaglandin-E s MF
prostaglandin-E2 MF
retinol isomerase MF
retinol O-fatty-ac MF
retinyl-palmitate MF
rhodopsin kinase MF
ribitol 2-dehydro MF
ribosyl nicotinami MF
RNA uridylyltrans MF
sedoheptulokinase
sphingomyelin phospholipase A
sphingosine N-acetyltransferase
sterol sulfotransferase
sterol-beta-glucosidase
sulfur dioxygenase
tau-protein kinase
thiamin-triphosphatase
thiosulfate-thiolase
trans-L-3-hydroxyacyl-CoA dehydrogenase
trans-octaprenyl diphosphate
trimethyllysine diacylglycerol
tripokinsase activity
triphosphatase activator
[acetyl-CoA carboxylase]
nitrite reductase
3'-phosphoadenosine 5'-phosphosulfate
3'-phosphoadenosine 5'-phosphosulfate
positive regulation
amyloid-beta protein
microfibril binding protein
ethanolaminephosphorylase
N-acetylneuraminate
arachidonate
glyceryl-ether monophosphate
imidazolonepropionate
arachidonate
5'-nucleotidase
5'-nucleotidase
intramolecular transacylase
hyaluronan synthase
glucuronosyl-N-acetylgalactosaminyltransferase
N-acetylgalactosaminyltransferase
N-acetylgalactosaminyltransferase
lactosylceramide
acyloxyacyl hydrolase
icosatetraenoic acid
arachidonic acid
aspartate-tRNA transferase
glutamate-tRNA transferase
glutaminyl-tRNA synthetase
protein-glutaminyltransferase
1,5-anhydro-D-fru MF
GDP-L-fucose syn MF
quinine 3-monoo MF
methylarsonate r MF
delta14-sterol rec MF
delta24-sterol rec MF
propionyl-CoA C2 MF
acetyl-CoA C-myr MF
5-oxo-6E,8Z,11Z: MF
5-hydroxy-6E,8Z, : MF
5(S)-hydroxypero MF
testosterone 6-be MF
chondroitin sulfate BP
dermatan sulfate BP
dermatan sulfate BP
chondroitin sulfate BP
dermatan sulfate BP
3'-phosphoadeno MF
RNA transport BP
N-acetylgalactosa MF
flavin adenine din MF
oxidoreductase a MF
hydrogen peroxid BP
regulation of hom BP
homocysteine me BP
positive regulatio BP
positive regulatio BP
negative regulatig BP
epithelial cell pro BP
regulation of epit BP
positive regulatio BP
negative regulatig BP
androgen recepto MF
AF-2 domain bind MF
AF-1 domain bind MF
regulation of mRNA BP
negative regulatig BP
negative regulatig BP
regulation of def BP
regulation of def BP
DNA binding dom MF
LBD domain bindi MF
galactose 3-O-sul MF
proteoglycan sul MF
WW domain bind MF
CARD domain bin MF
regulation of prot BP
positive regulatio BP
regulation of infla BP
negative regulatiBP
positive regulatio BP
regulation of pep BP
positive regulatio BP
negative regulatiBP
RS domain bindin MF
regulation of lipo BP
positive regulatio BP
negative regulatiBP
low-density lipop MF
regulation of pha,BP
negative regulatiBP
positive regulatio BP
regulation of neu BP
negative regulatiBP
positive regulatio BP
regulation of axo,BP
negative regulatiBP
positive regulatio BP
regulation of den BP
negative regulatiBP
positive regulatio BP
negative regulatiBP
RNA destabilizatBP
dopamine recept MF
advanced glycatiMF
RAGE receptor bi,MF
detoxification of t BP
regulation of cataBP
regulation of vira BP
regulation of dev,BP
regulation of cell,BP
regulation of beh BP
regulation of insu BP
activated T cell pr BP
ion homeostasiBP
modulation of chi,BP
negative regulatiBP
positive regulatio BP
regulation of sync,BP
regulation of ster BP
GABA receptor bi MF
regulation of acyl BP
phosphoserine re MF
phosphothreonin MF
negative regulatix BP
positive regulatio BP
protein stabilizati BP
peptide antigen s BP
regulation of liqui BP
defense response BP
defense response BP
defense response BP
pyruvate transme MF
cell adhesion mol MF
extracellular matr MF
progesterone rec BP
negative regulatix BP
positive regulatio BP
antigen receptor-BP
T cell receptor sig BP
B cell receptor sig BP
regulation of B ce BP
regulation of T ce BP
positive regulatio BP
negative regulatix BP
positive regulatio BP
positive regulatio BP
regulation of T ce BP
regulation of B ce BP
regulation of cell BP
negative regulatix BP
positive regulatio BP
negative regulatix BP
negative regulatix BP
positive regulatio BP
positive regulatio BP
positive regulatio BP
white fat cell diff BP
brown fat cell diff BP
nervous system p BP
regulation of bod BP
musculoskeletal r BP
voluntary muscul BP
musculoskeletal r BP
neuromuscular pr BP
neuromuscular pr BP
cognition BP
multicellular orga BP
intestinal absorpt BP
sensory processir BP
response to stiml BP
cobalt ion binding MF
leukocyte migrati BP
leukocyte tetheri BP
leukocyte adhesi BP
diapedesis BP
neuromuscular pr BP
detection of stimi BP
detection of chen BP
detection of light BP
sensory percepti BP
detection of mecl BP
detection of chen BP
detection of chen BP
sensory percepti BP
sensory percepti BP
sensory percepti BP
sensory percepti BP
negative chemot BP
regulation of chen BP
positive regulatio BP
negative regulatio BP
regulation of neg BP
negative regulatio BP
positive regulatio BP
negative regulatio BP
induction of nega BP
induction of posit BP
positive regulatio BP
detection of tem BP
detection of tem BP
detection of tem BP
detection of mecl BP
detection of chen BP
detection of mecl BP
detection of mecl BP
sensory perception
BP
detection of mecl BP
dimethylallyl diph BP
regulation of lipid BP
negative regulation BP
positive regulation BP
nitric-oxide synth MF
regulation of nitri BP
positive regulation BP
negative regulation BP
regulation of lipo BP
negative regulation BP
positive regulation BP
Hsp27 protein bir MF
microtubule plus-MF
microtubule minus-MF
microtubule sliding BP
microtubule sever BP
actin filament sever BP
actin filament binding MF
barbed-end actin BP
actin filament bundling BP
protein kinase A binding MF
GTPase binding MF
GDP-dissociation MF
Rho GDP-dissociation MF
chiasma assembly BP
rRNA transport BP
tRNA transport BP
nucleic acid transport MF
RNA transmembrane MF
regulation of end BP
positive regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
regulation of secretion BP
positive regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
regulation of translation BP
positive regulation BP
negative regulation BP
negative regulation
positive regulation
regulation of sma
NF-kappaB binding
Dihydrobiopterin
Dihydrolipoamide
Nuclear envelope
Unfolded protein
'de novo' cotrans
'de novo' posttras
Chaperone cofactor
Chaperone media
Chaperone binding
Constitutive prote
Regulation of DNA
DNA ligation
ATPase binding
Sugar transmembrane
Hepoxilin A3 synthesis
Hepoxilin metabolism
Hepoxilin biosynthesis
RNA polymerase
Synaptic growth
dBPI
Regulation of actin
Positive regulation
Regulation of cell
Chaperone-media
Positive regulation
Regulation of NK T
Metal ion:proton
negative regulation BP
positive regulation BP
negative regulation BP
cellular response BP
muscle alpha-actin MF
FATZ binding MF
mannose-ethanol MF
serotonin binding MF
epinephrine binding MF
norepinephrine binding MF
kinetochore assembly BP
kinetochore organization BP
response to glucose BP
response to mining BP
regulation of neuron BP
negative regulation BP
positive regulation BP
inactivation of M-ATP
RNA acetylation BP
beta-actinin binding MF
BH domain binding MF
neuron apoptotic BP
stress-activated L-ATP
response to nitro BP
detoxification of L-ATP
response to corticosteroid BP
response to corticosteroid BP
microtubule nucleation BP
PTB domain binding MF
hormone receptor MF
peptide hormone MF
corticotropin-releasing MF
corticotropin-releasing MF
BH2 domain binding MF
BH3 domain binding MF
regulation of ubiquitin BP
positive regulation BP
negative regulation BP
regulation of meiosis BP
negative regulation BP
myoblast proliferation BP
myoblast migration
intracellular pH regulation
regulation of intracellular pH
monopolar spindle
maintenance of p
positive regulation
negative regulation
positive regulation
negative regulation
positive regulation
negative regulation
positive regulation
negative regulation
D-aminoacyl-tRNA
D-tyrosyl-tRNA
adenine nucleotide
NFAT protein binding
2 iron, 2 sulfur cluster
3 iron, 4 sulfur cluster
elastin metabolic pathway
elastin biosynthesis
negative regulation
keratinocyte migration
positive regulation
negative regulation
flavone metabolism
mitochondrial calcium
positive regulation
negative regulation
smooth endoplasmic reticulum
histone H3-K9 methylation
histone H3-K4 methylation
regulation of histone
positive regulation
negative regulation
negative regulation
positive regulation BP
5'-deoxyribose-5- MF
regulation of neu BP
positive regulation BP
dopamine uptake BP
regulation of dop BP
negative regulation BP
positive regulation BP
response to calcit BP
response to folic BP
detection of gluc BP
response to meth BP
response to meth BP
meiotic recombination BP
response to hydr BP
exocyst localization BP
response to elect BP
proteolysis involvement BP
protein maturation BP
detection of stimulus BP
histamine transport BP
serotonin uptake BP
regulation of serc BP
negative regulation BP
histamine uptake BP
norepinephrine uptake BP
regulation of nor BP
negative regulation BP
positive regulation BP
epinephrine uptake BP
barbed-end actin BP
actin filament network BP
organelle localization BP
cellular localization BP
centrosome localization BP
endoplasmic reticulum BP
Golgi localization BP
mitochondrion localization BP
nucleus localization BP
vesicle localization BP
establishment of BP
establishment of BP
maintenance of BP
spindle localization BP
establishment of BP
establishment of BP
maintenance of n BP
establishment of BP
maintenance of c BP
nuclear pore loca BP
membrane raft lo BP
actin cortical patc BP
localization withi BP
membrane disru BP
establishment of BP
maintenance of c BP
maintenance of E BP
actin filament caç BP
pointed-end actin BP
protein delipidati BP
interaction with l BP
interaction with s BP
response to other BP
regulation of killi BP
positive regulatio BP
inositol-1,3,4,5-te MF
protein C-termin ε MF
protein methyle MF
NAD transmembr MF
protein de-ADP-ri BP
germline cell cycli BP
polynucleotide 5' MF
polydeoxyribonu MF
ATP-dependent p MF
ATP-dependent p MF
cytosine C-5 DNA MF
delta3,5-delta2,4-MF
alpha-1,4-manno:MF
meiotic sister chr BP
homologous chro BP
actin crosslink for BP
inositol tetrakisφ MF
negative regulatic BP
response to redo:BP
behavioral respor BP
positive regulatio BP
negative regulatix BP
all-trans-retinol 1 MF
misfolded protei MF
response to misf BP
short-chain fatty acid BP
medium-chain fat BP
medium-chain fat BP
medium-chain fat BP
regulation of timi BP
positive regulation BP
negative regulation BP
regulation of hair BP
positive regulation BP
negative regulation BP
phosphatidylinositol MF
regulation of sync BP
positive regulation BP
cytolysis by host cell BP
glycolipid binding MF
histone demethyl MF
protein autoubiquitination BP
general adaptation BP
methotrexate binding MF
killing by host of target BP
pigment granule 1 BP
pigment granule 3 BP
lateral element α BP
G-quadruplex DNA MF
regulation of mito BP
mitochondrial depletion BP
regulation of timi BP
positive regulation BP
negative regulation BP
positive regulation BP
regulation of focal adhesion BP
positive regulation BP
negative regulation BP
regulation of proteasome BP
positive regulation BP
negative regulation BP
membrane depolimerization BP
regulation of mitochondrial BP
positive regulation BP
S-(hydroxymethyl) MF
pigment granule 1 BP
double-stranded DNA MF
induction of synapse BP
granulocyte color MF
regulation of fibrinogen BP
negative regulation BP
positive regulation BP
peroxiredoxin act MF
sulfation BP
regulation of calc BP
negative regulation BP
positive regulation BP
regulation of sen:BP
synaptic transmission BP
glutamate reuptake BP
gamma-aminobutyric BP
L-glutamate import BP
gamma-aminobutyric BP
regulation of glut BP
positive regulation BP
negative regulation BP
positive regulation BP
methotrexate transport BP
dynein light intermediate MF
regulation of neuron BP
negative regulation BP
regulation of synapse BP
negative regulation BP
positive regulation BP
regulation of synapse BP
negative regulation BP
positive regulation BP
regulation of transport BP
negative regulation BP
positive regulation BP
regulation of telomere BP
positive regulation BP
negative regulation BP
lysophospholipid BP
lysophospholipid:MF
regulation of choline BP
positive regulation BP
positive regulation BP
positive regulation BP
regulation of attacin BP
(R)-2-hydroxyglutathione MF
squalene synthase MF
protein carboxyl (MF
modulation by syBP
phytoalexin metabolism BP
catabolism by hormone BP
suppression of sy BP
tRNA dimethylallyl MF
negative regulation BP
regulation of pep BP
regulation of end BP
sn-glycerol-3-pho MF
sn-glycerol-3-pho MF
tryptamine:oxygen MF
aminoacetone:oxygen MF
aliphatic-amine o MF
phenylethylamine:oxygen MF
diamine oxidase e MF
histamine oxidase MF
methylputrescine MF
propane-1,3-diam MF
phosphatidylinositol MF
UDP-N-acetylgala MF
lysophosphatidic MF
NADP-retinol deh MF
monoacylglycerol BP
 cyclic purine nucleotide BP
L-leucine transarr MF
L-valine transamii MF
L-isoleucine trans MF
guanine phospho MF
inositol-1,4,5-tris MF
inositol-1,3,4,5-te MF
tRNA (cytosine-2' MF
carboxylic ester h MF
raffinose alpha-g l MF
cellular glucuronid BP
flavonoid glucuro BP
xenobiotic glucur BP
tRNA-specific ade MF
fatty acid in-chair MF
inositol hexakispf MF
inositol hexakispf MF
inositol-1,3,4-tris MF
inositol-1,3,4-tris MF
tRNA (cytosine-3-MF
phosphatidylserirzr MF
1-acyl-2-lysophos MF
(R)-limonene 6-m MF
phosphatidylinosoi MF
inositol phosphat MF
convergent extension
notochord regression
anatomical structure
pharyngeal system
cardiac muscle cell
pericardium development
retinal bipolar neuron
retinal development
retina morphogenesis
regulation of cardiac
negative regulation
positive regulation
regulation of acetylcholine cholinoceptor
heart contraction
cardiac muscle cell
regulation of protein
positive regulation
negative regulation
neurofilament cytoplasm
angiogenesis invasion
mammary gland development
positive regulation
embryonic retina
post-embryonic retina
Spemann organizer
Spemann organizer
uterus development
oviduct development
cervix development
vagina development
canonical Wnt signaling
Wnt signaling pathway
large conductance
micturition
synapse maturation
regulation of resting
excitatory synapse
inhibitory synapse
regulation of synaptic
excitatory postsynaptic BP
inhibitory postsynaptic BP
membrane hyperpolarization BP
smooth muscle contraction BP
synaptic transmission BP
circadian temperature BP
relaxation of vascular BP
auditory receptor BP
molecular adaptation MF
kinocilium CC
positive regulation BP
generation of ovulation BP
inner ear receptor BP
vestibular receptor BP
auditory receptor BP
inner ear receptor BP
vestibular receptor BP
inner ear receptor BP
regulation of growth BP
positive regulation BP
negative regulation BP
somatotropin secretion BP
prolactin secretion BP
corticotropin hormone BP
thyroid-stimulating hormone BP
prepulse inhibition BP
maternal process BP
embryonic process BP
maternal process BP
positive regulation BP
positive regulation BP
microtubule-based BP
platelet dense granule BP
urinary bladder detrusor BP
phospholipase C BP
regulation of dopamine BP
negative regulation BP
positive regulation BP
subpallium neurodevelopment BP
regulation of timers BP
regulation of timers BP
olfactory pit development BP
positive regulation BP
negative regulation BP
ciliary membrane CC
stereocilium men

limb development

limb bud formation

brain-derived neuron MF

regulation of angiogenesis

regulation of exocrine

male mating behavior

apelin receptor signaling

cell pole CC

negative regulation

positive regulation

cloacal septation

clathrin-sculpted CC

clathrin-sculpted cytoplasmic vesicle CC

negative regulation

positive regulation

decardium formation

primitive hemopoiesis

definitive hemopoiesis

hemangioblast cell BP

hematopoietic stromal BP

camera-type eye BP

camera-type eye BP

retinal rod cell differentiation

phosphatidylcholine MF

lipoprotein lipase MF

mesenchymal to epithelial delamination

development

neuroblast delamination

lens induction

regulation of mitosis

contact inhibition

negative regulation

positive regulation

regulation of glial cell

positive regulation

negative regulation

regulation of feed intake

regulation of transport

positive regulation

negative regulation

regulation of respiration

positive regulation

negative regulation
bone trabecula fc BP
heart trabecula fc BP
bone developmer BP
bone morphogen BP
endochondral boi BP
cartilage develop BP
cell adhesion mol BP
negative regulati BP
positive regulatio BP
negative regulati BP
response to amm BP
cranial suture mo BP
frontal suture mo BP
lambdoid suture i BP
sagittal suture mc BP
regulation of Fc n BP
positive regulatio BP
susceptibility to T BP
regulation of atri BP
regulation of atri BP
regulation of venl BP
mast cell differen BP
regulation of mas BP
positive regulatio BP
negative regulati BP
regulation of brox BP
cardiac muscle ce BP
positive regulatio BP
regulation of DNA BP
positive regulatio BP
innervation BP
axonogenesis invi BP
synapse assembly BP
pathway-restrictc BP
regulation of SM/ BP
positive regulatio BP
negative regulati BP
regulation of patl BP
negative regulati BP
SMAD protein sig BP
growth hormone BP
growth hormone BP
regulation of grox BP
positive regulatio BP
negative regulati BP
cytosolic calcium  BP
calcium ion transi  BP
axonemal microt  BP
regulation of pen  BP
positive regulatio  BP
negative regulatic  BP
cardiac septum  r  BP
ventricular septu  BP
atrial septum  mo  BP
aorta smooth mu  BP
muscle tissue  mo  BP
response to grow  BP
regulation of hear  BP
positive regulatio  BP
peptidyl-dipeptid  MF
lung morphogene  BP
lung vasculature  e  BP
lung epithelium  d  BP
epithelium devek  BP
lung saccule deve  BP
primary lung bud  BP
bronchus develop  BP
bronchus morphc  BP
bronchiole devek  BP
lung growth  BP
trachea developr  BP
trachea morphog  BP
carcinogen metabolis  BP
epithelial tube  br  BP
branching involve  BP
mammary gland  r  BP
branching involve  BP
branching involve  BP
bud outgrowth in  BP
dichotomous sub  BP
bud elongation in  BP
positive regulatio  BP
regulation of gast  BP
positive regulatio  BP
negative regulatic  BP
right lung develop  BP
left lung developr  BP
lung lobe morphc  BP
pharynx developr  BP
activation of mei  BP
negative regulation BP
positive regulation BP
regulation of calc BP
positive regulation BP
developmental gr BP
apoptotic process BP
epithelial tube mBP
neuroepithelial αBP
positive regulation BP
morphogenesis α BP
intestinal epitheli BP
intestinal epitheli BP
intestinal epitheli BP
ventral spinal cor BP
positive regulation BP
multicellular orga BP
regulation of lipo BP
negative regulation BP
ATPase regulator MF
chondroblast diff BP
mammary gland f BP
mammary gland s BP
fibroblast growth BP
mammary placod BP
dichotomous sub BP
lateral sprouting i BP
lateral sprouting l BP
mammary gland c BP
tube closure BP
mammary gland f BP
adipose tissue de BP
fat pad developm BP
mammary gland l BP
regulation of chol BP
regulation of chr BP
regulation of vesi BP
regulation of ER t BP
regulation of hor BP
regulation of mei BP
regulation of microBP
negative regulation BP
mesenchymal-epi BP
mammary gland c BP
mammary gland l BP
submandibular sa BP
salivary gland cav BP
epithelial cell pro BP
regulation of brar BP
dichotomous sub BP
branch elongation BP
regulation of brar BP
embryonic placer BP
branching involve BP
epithelial cell mor BP
placenta blood ve BP
ureteric bud mor BP
ureteric bud form BP
dichotomous sub BP
branch elongation BP
primary ureteric l BP
regulation of brar BP
epithelial-mesenc BP
regulation of pro BP
negative regulation BP
regulation of brar BP
regulation of mor BP
cell differentiation BP
regulation of brar BP
regulation of chol BP
regulation of pho BP
positive regulati BP
endoribonuclease MF
regulation of end BP
negative regulati BP
deoxyribonuclease MF
cell differentiation BP
trophoblast giant BP
spongiotrophobla BP
glycogen cell diff BP
chorio-allantoic f BP
labyrinthine layer BP
spongiotrophobla BP
labyrinthine layer BP
syncytiotrophobl BP
labyrinthine layer BP
chorion developn BP
chorionic trophob BP
spongiotrophobla BP
regulation of spo BP
intestinal epitheli BP
positive regulation BP
positive regulation BP
regulation of end BP
regulation of eIF2BP
prostate gland grBP
epithelial-mesenchymal BP
mesenchymal-epithelial BP
prostate gland epBP
prostate gland str BP
epithelial cell diff BP
epithelial cell maBP
mammary gland l BP
mammary gland r BP
parental behavior BP
tertiary branching BP
mammary gland B BP
epithelial cell pro BP
branch elongation BP
regulation of mas BP
positive regulation BP
negative regulation BP
negative regulation BP
regulation of brar BP
mammary duct tec BP
cell-cell signaling BP
regulation of and BP
negative regulation BP
regulation of epit BP
positive regulation BP
negative regulation BP
planar cell polarity BP
regulation of mes BP
mesenchymal sm BP
regulation of cell BP
hair follicle placode BP
cell fate commitment BP
regulation of cell BP
BMP signaling path BP
positive regulation BP
negative regulation BP
mesodermal to r BP
random inactivation BP
inactivation of pa BP
inactivation of X c BP
inactivation of X c BP
inactivation of X cBP
fibroblast growth BP
negative regulatiBP
ciliary receptor c1 BP
smoothened sign BP
lymphatic endoth BP
blood vessel endcBP
lymphatic endoth BP
artery developmeBP
venous blood ves BP
arterial endotheli BP
venous endotheli BP
arterial endotheli BP
Notch signaling p.BP
branching involveBP
establishment of BP
establishment of BP
anterior semicircBP
lateral semicirculBP
limb epidermis d BP
neural plate patteBP
embryonic camer BP
regulation of hair BP
positive regulatio BP
regulation of prot BP
positive regulatio BP
cardiac cell fate s BP
cardiac cell fate d BP
heart formation BP
mesenchymal cel BP
mesenchymal cel BP
cardiac pacemakeBP
sinoatrial node cεBP
cardiac muscle cε BP
atrioventricular n BP
sinoatrial node cεBP
sinoatrial node cεBP
His-Purkinje systeBP
epicardium-derivBP
epithelial to meseBP
cardiac neuron di BP
cardiac vascular s BP
cardiac vascular s BP
endocardial cell d BP
regulation of genBP
Peyer's patch mo BP
BMP signaling pa1BP
BMP signaling pa1BP
trachea gland dev BP
endothelial tube iBP
pulmonary artery BP
pulmonary artery BP
mRNA destabiliza BP
3'-UTR-mediated BP
establishment of BP
endoplasmic retic BP
negative regulatic BP
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negative regulatic BP
mammary gland eBP
regulation of cho BP
negative regulatic BP
positive regulatio BP
negative regulatic BP
negative regulatic BP
positive regulatio BP
taste bud develop BP
fungiform papilla BP
fungiform papilla BP
fungiform papilla BP
clathrin-sculpted CC
paramesonephric BP
canonical Wnt sig BP
retina vasculature BP
retina vasculature BP
cerebellum vascu BP
cerebellum vascu BP
smooth muscle cBP
cornea developm BP
retinal blood vess BP
cardiac neural cre BP
cardiac neural cre BP
BMP signaling pa1BP
Notch signaling in BP
canonical Wnt sig BP
canonical Wnt sig BP
cell proliferation iBP
renal tubule mor BP
cardiac conductio BP
phagolysosome

response to TNF α

hematopoietic

memory T cell

early endosome

cyclic-GMP-AMP

CDP phosphorylation

centriole elongation

protein localization

glucose 6-phosphatase

interleukin-34

myeloid cell development

microglial cell pro-BP

macrophage homing

Langerhans cell development

hindgut development

acetylcholine secretion

glycogen synthase

ganglion development

sympathetic ganglia

cranial ganglion development

trigeminal ganglia

axon development

dAMP phosphorylation

CMP phosphorylation

dCMP phosphorylation

GDP phosphorylation

UDP phosphorylation

dCDP phosphorylation

TDP phosphorylation

actin filament binding

actin filament binding

ASAP complex

cyclin-dependent kinase

calcium ion transport

Lys63-specific deubiquitylation

intestinal epithelial cell

positive regulation

calcium activated

calcium activated

calcium activated

molybdo-pterin acyl transferase
molybdopterin m MF
molybdopterin-sy MF
molybdopterin-sy MF
nuclear import siq MF
fructose-1-phosp MF
mannose to fruct BP
pri-miRNA transci BP
glycolytic process BP
MICOS complex CC
glycolytic process BP
canonical glycolys BP
glycolytic process BP
fructose catabolic BP
pharyngeal arch ε BP
S-methylmethionon MF
H3K27me3 modif MF
RNA polymerase MF
ubiquitin conjuga MF
RNA lariat debran MF
regulation of prot BP
cytoskeleton-dep BP
chemoattraction BP
chemorepulsion c BP
positive regulatio BP
histone H3-K9 mc BP
ubiquitin modific MF
NEDD8 conjugatin MF
SUMO conjugatin MF
UFM1 conjugatin MF
NEDD8 ligase acti MF
SUMO ligase acti MF
UFM1 ligase activ MF
mitochondrial rib BP
spontaneous neu BP
evoked neurotrar BP
mitotic spindle as CC
importin-alpha fa MF
chaperone-media BP
diphthine methyl MF
tricellular tight ju CC
lipoamidase activ MF
protein-glutarylly MF
protein deglutary BP
peptidyl-lysine de BP
GATOR2 complex CC
ADP-ribosyl cyclase:MF
cyclic ADP-ribose:MF
telomeric DNA:BP
telomeric D-loop:BP
telomeric D-loop:MF
podosome core:CC
sperm head:CC
apical tubulobulb:CC
basal tubulobulb:CC
concave side of s1:CC
apical ectoplasm:CC
basal ectoplasm:CC
protein localization:BP
neuropeptide:pro:BP
microtubule organelle:BP
neuron projection:CC
dendritic spine:cy:CC
response to chol:BP
telomeric G-quadruplex:MF
growth cone:lead:CC
leading edge of la:CC
negative regulation:BP
dendritic:BP
DNA clamp:unload:MF
microtubule:plus:MF
positive regulation:BP
negative regulation:BP
positive regulation:BP
positive regulation:BP
regulation of astr:BP
negative regulation:BP
positive regulation:BP
calcium ion sensor:MF
all-trans retinol:3, MF
all-trans retinal:3, MF
all-trans retinoic acid:MF
11-cis-retinal:3,4-MF
positive regulation:BP
autophagosome-l:BP
autophagosome:BP
selective autophagosome:BP
protein propionyl:MF
peptidyl-lysine:pr:BP
glutathione specific:MF
gamma-glutamylation
negative regulation of BP
establishment of BP
midbody abscission of BP
mRNA (adenine-NMF
penetration of cu BP
establishment of BP
perichondral bone BP
articular cartilage BP
3-hydroxykynurenine MF
negative regulation of BP
negative regulation of BP
secondary palate BP
collagen-containment CC
negative regulation of BP
regulation of stre BP
positive regulation of BP
negative regulation of BP
D-loop DNA binding MF
positive regulation of BP
GPI-mannose eth MF
TAP complex binding MF
box C/D snoRNP cMF
box H/ACA snoRNA MF
GARP complex binding MF
H3K9me3 modification MF
acyl-CoA delta5-d MF
TSC1-TSC2 complex MF
HLA-E specific inhibition MF
stomach development BP
regulation of pro1 BP
negative regulation of BP
positive regulation of BP
peptidyl-aspartic MF
double-stranded BP
RNA 2′-O-methyl MF
fatty acid primary BP
4-hydroxybutyrate MF
mRNA (cytidine-5 MF
C5-methylcytidine MF
N6-mA mAMP deamidation MF
mitochondrial AT MF
mitochondrial AT CC
brexanolone methyl MF
brexanolone catalysis BP
R-loop disassembly BP
radial spoke assembly BP
25-hydroxycholesterol MF
1-alpha,25-dihydroxy MF
calciferol 1-mo MF
anandamide 8,9 € MF
anandamide 11,1 MF
anandamide 14,1 MF
positive regulation BP
peroxynitrite ison MF
platelet activation BP
protein localization BP
specification of α1 BP
intracellular proteolysis BP
protein-containing BP
protein-DNA complex BP
electrochemical potential CC
cysteine-type exopeptidase MF
carbon monoxide MF
collagen V binding MF
thrombospondin MF
mRNA splicing, via BP
intrinsic apoptotic BP
'de novo' actin filament BP
fructose binding MF
electrochemical potential CC
RNA polymerase  MF
proline-rich regio  MF
cytochrome comÌ  CC
proton-transporti  BP
vacuolar proton-t  BP
histone lysine der  BP
histone H3-R2 de  BP
histone H4-R3 de  BP
titin Z domain binMF
clathrin-sculpted  CC
protein initiator nBP
glycosylation     BP
ubiquitin-depend BP
chromo shadow cMF
chloride-activateMF
glucagon secretioBP
regulation of glucBP
negative regulatiBP
positive regulatioBP
fructose-6-phosp MF
delta-catenin binMF
negative regulatiBP
positive regulatioBP
positive regulatioBP
ciliary neurotropCC
ciliary neurotropMF
ciliary neurotropBP
Kupffer's vesicle cBP
isopeptidase actiiMF
transforming groMF
mitochondrial traBP
mitochondrial traBP
mitochondrial traBP
tRNA aminoacylaBP
regulation of mitcBP
negative regulatiBP
positive regulatioBP
SUMO-specific enMF
SUMO-specific iscMF
response to UV-ABP
synaptic vesicle bBP
mitochondrial alaBP
mitochondrial asBP
mitochondrial glyBP
mitochondrial ser BP
mitochondrial thr BP
tight junction CC
negative regulation BP
positive regulation BP
enamel mineralization BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
positive regulation BP
DRM complex CC
D-serine metabolism BP
D-serine biosynthesis BP
large ribosomal subunit MF
small ribosomal subunit MF
DNA polymerase MF
mitochondrial tryptophan BP
mitochondrial tryptophan BP
shelterin complex CC
kynurenine metabolism BP
methionine-R-sulfoximine MF
chromosome organization BP
synaptonemal complex BP
synaptonemal complex BP
growth hormone CC
meiotic attachment BP
protein localization BP
establishment of BP
regulation of establishment of BP
regulation of establishment of BP
protein trimerization BP
protein homotrimerization BP
protein heterotrimerization BP
ASTRA complex CC
protein poly-ADP-ribosylation BP
protein auto-ADP-ribosylation BP
sulfide oxidation, BP
sulfide:quinone oxidoreductase BP
regulation of lymphocyte BP
T cell apoptotic pathway BP
regulation of T cell BP
negative regulation BP
positive regulation BP
regulation of activation BP
negative regulation BP
positive regulation BP
thymocyte apoptosis BP
regulation of thyroid BP
negative regulation BP
positive regulation BP
pristanate-CoA ligase MF
actin-mediated cAMP BP
mucus secretion BP
negative regulation BP
positive regulation BP
5'-tyrosyl-DNA phosphodiesterase MF
peptidyl-serine dehydratase BP
necrotic cell death BP
necroptotic process BP
oncasis BP
cornification BP
pyroptosis BP
phosphatidylinositol MF
RES complex CC
extracellular matrix BP
vitamin B6 binding MF
pyridoxal binding MF
axonemal dynein BP
N-acylphosphatidyl ethanolamine MF
N-acylphosphatidyl ethanolamine BP
N-acylphosphatidyl ethanolamine BP
renal absorption BP
renal sodium ion BP
renal water absorption BP
sarcoplasmic reticulum BP
phosphatidic acid MF
cellular response BP
regulation of streptomyacin BP
positive regulation BP
response to cyclic GMP BP
lens fiber cell differentiation BP
lens fiber cell development BP
lens fiber cell metabolism BP
G1 to G0 transition BP
G1 to G0 transition BP
regulation of G0 transition BP
negative regulation BP
positive regulation BP
Golgi to plasma membrane CC
inward rectifier p MF
thyroid hormone MF
lipoprotein partic MF
very-low-density MF
thyroid hormone BP
triglyceride home BP
aromatase activit MF
aspartate binding MF
flap-structured DIMF
3'-flap-structured MF
negative regulatix BP
positive regulatio BP
positive regulatio BP
regulation of whiBP
actin polymerizat BP
hepatocyte differ BP
negative regulatix BP
positive regulatio BP
beta-catenin-TCF' CC
cellular heat accli BP
ERK1 and ERK2 cc BP
regulation of ERK BP
positive regulatio BP
ERK5 cascade BP
positive regulatio BP
endosome to plas CC
exocytic vesicle CC
dNA cytosine dea BP
Harderian gland c BP
transcription exp CC
detection of lipot BP
NADP+ binding MF
NADPH binding MF
NAD+ binding MF
NADH binding MF
oxidation-depend BP
carbamoyl phosp BP
cO-SMAD binding MF
I-SMAD binding MF
R-SMAD binding MF
trehalose metabc BP
cellular response BP
dNA-dependent CC
nonhomologous CC
DNA ligase III-XRCC CC
nucleotide-bindin BP
regulation of nucleotide-bindin BP
negative regulation of nucleotide-bindin BP
positive regulation of nucleotide-bindin BP
Shc-EGFR complex CC
Grb2-EGFR complex CC
regulation of oligomerization CC
negative regulation of elongin complex CC
positive regulation of elongin complex CC
regulation of herring BP
positive regulation of cellular detoxification BP
prolactin secretion BP
thyroid-stimulating hormone BP
SAGA-type complex CC
plus-end specific plus-end complex CC
respirasome CC
uterine smooth muscle regulation of uterine smooth muscle BP
negative regulation of rRNA base methylation BP
rRNA (guanine-N7) BP
nuclear transcription factor BP
nuclear transcription factor BP
detection of hypoxia BP
leukocyte aggregation BP
monocyte aggregation BP
neutrophil aggregation BP
T cell aggregation BP
oligosaccharide binding BP
thrombin activation BP
negative regulation of interleukin-1 receptor BP
poly-gamma-glutamate BP
high-density lipoprotein BP
regulation of microRNA BP
calcium ion import BP
positive regulation of calcium ion import BP
death domain bin MF
CAK-ERCC2 comp CC
ERCC4-ERCC1 cor CC
11-beta-hydroxys MF
tRNA threonylcar BP
platelet aggregati BP
protein kinase C s BP
K63-linked polyuł MF
BRCA1-A complex CC
protein K63-linke BP
histone H2A K63- BP
protein K63-linke BP
histone H2A K63- BP
oleic acid binding MF
linoleic acid bindi MF
response to platiř BP
response to linole BP
histone H3-K36 d BP
PeBoW complex CC
L-glutamine amin MF
endoribonuclease MF
BRISC complex CC
nicotinic acid rece MF
synaptobrevin 2-Č CC
response to inter BP
PCNA-p21 complex CC
protein secretion BP
vitamin D receptc BP
regulation of vitai BP
negative regulatic BP
positive regulatio BP
adenyllyltransfera MF
cytidylyltransfera MF
guanyllyltransfera MF
uridylyltransferas MF
regulation of neu BP
negative regulatic BP
positive regulatio BP
metallodipeptida:MF
cadmium ion tran BP
vitamin D 24-hydi MF
lysine-acetylated MF
RISC-loading com CC
methylcytosine d MF
mitochondrion m BP
protein localization BP
cell-cell adhesion BP
dendrite self-avoidance BP
regulation of centrosome BP
histone methylation MF
histone methylation MF
regulation of protein BP
nucleosome-depletion MF
Grb2-Sos complex CC
zymogen granule BP
(S)-2-(5-amino-1-methyl-4-pentenyl) MF
proteasome binding MF
transepithelial transport BP
transepithelial anion BP
vitamin D3 metabolism BP
vitamin D 25-hydroxylation MF
vitamin D response MF
protein modification BP
formin-nucleation BP
nonfunctional ribosome BP
HAUS complex CC
high-density lipoprotein MF
leukocyte proliferation BP
mast cell proliferation BP
regulation of leukocyte BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
response to intercellular BP
response to intercellular BP
response to intercellular BP
response to intercellular BP
response to intercellular BP
hypoxanthine degradation MF
hypoxanthine oxidation MF
intraluminal vesicle BP
preprotein binding MF
inositol 1,4,5-triphosphate MF
glutaminyl-tRNA synthetase BP
proteasome regulation BP
seminal clot liquefaction BP
macropinocytic capture CC
P-TEFb complex CC
deoxyribonucleoside MF
FHF complex  CC  activin receptor b MF
type I activin rece MF
type II activin rece MF
BMP receptor bin MF
mucus layer  CC  sodium-dependent BP
mismatch repair i BP
response to chole BP
BMP receptor cor CC
leucine binding  MF
cAMP transport  BP
cGMP transport  BP
protein adenyllylty MF
histone H3-K27 ρ BP
protein-glycine lig MF
protein-glycine lig MF
protein-glutamic  MF
tubulin-glutamic ϕ MF
response to inter BP
C2H2 zinc finger c MF
interleukin-23 cor CC
pre-snoRNP com CC
nuclear pore tran CC
gamma-secretase CC
PAS complex  CC
protein-N-termin MF
phytoceramidase MF
MOZ/MORF histo CC
D-aspartate trans BP
L-aspartate transi BP
D-aspartate impo BP
dihydrosphingosii MF
response to bioti BP
phosphatidylserir BP
hydrogen sulfide  BP
hydrogen sulfide  BP
peptidyl-lysine 5- MF
phosphorylation ϕ BP
tertiary granule  CC
tertiary granule n CC
Sin3-type comple CC
paraferritin comp CC
chromatin mainte BP
heterochromatin BP
heterochromatin  BP
bicellular tight jun BP
caveola assembly BP
dehydroascorbic BP
divalent metal ion BP
dynein complex b MF
aggresome assen BP
polyubiquitinated BP
Hsp90 deacetyl BP
core mediator co CC
response to grow BP
growth factor rec MF
cell body fiber CC
myosin VI binding MF
myosin VI light ch MF
regulation of bile BP
negative regulatix BP
RNA polymerase CC
regulation of prot BP
positive regulatix BP
heterochromatin BP
regulation of glyc BP
SOSS complex CC
microprocessor c CC
primary miRNA bi MF
pre-miRNA bind ir MF
regulation of calc BP
negative regulatix BP
positive regulatix BP
E-box binding MF
platelet alpha gra BP
lipoteichoic acid  t MF
lipoteichoic acid  i MF
negative regulatix BP
transcription prei BP
RNA polymerase BP
mitochondrial trf BP
mitochondrial trf BP
mitochondrial trf BP
mitochondrial trf BP
mitochondrial trf BP
transepithelial L-ε BP
serine binding MF
regulation of cell BP
negative regulation BP
positive regulation BP
NF-kappaB complex CC
CMG complex CC
DNA replication pBP
RNA trimethylguanine MF
ribonucleoprotein BP
protein localization BP
establishment of BP
site-specific DNA BP
WASH complex CC
histone pre-mRNA CC
protein localization BP
establishment of BP
histone pre-mRNA MF
histone pre-mRNA MF
U7 snRNA binding MF
protein targeting BP
cellular response BP
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connexin binding MF
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Ssh1 translocon complex CC
positive regulation BP
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MLL1 complex CC
skeletal muscle αBP
diphosphate met:BP
cellular response BP
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integral compone CC
protein localization BP
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response to hepatic BP
cellular response BP
cellular response BP
phosphopantethine CC
genetic imprinting BP
maintenance of ir BP
semaphorin-plexin BP
tRNA re-export from BP
cementum miner BP
ankyrin repeat bin MF
RING-like zinc finger MF
protein localization BP
eukaryotic translation CC
eukaryotic translation CC
dopaminergic net BP
diphosphoinosito BP
diphosphoinosito BP
pi-body  CC
piP-body  CC
response to dextra BP
cellular response  BP
death-inducing siBP
integral compone CC
histone H3-K27 d BP
histone demethyl MF
response to trans BP
cellular response  BP
nucleus-vacuole j CC
npBAF complex  CC
nBAF complex  CC
UFM1 activating r MF
UFM1 hydrolase : MF
UFM1 transferase MF
protein ufmylation BP
integral compone CC
zinc ion transmen BP
zinc ion import ac BP
regulation of zinc BP
negative regulatic BP
detoxification of c BP
CAAX-box protein BP
lymphocyte aggreg BP
Nem1-Spo7 phos CC
ubiquitin-depend BP
neuronal ribonuc CC
otic vesicle develop BP
otic vesicle morpl BP
phytosphingosine BP
endothelial cell-ct BP
transforming gro BP
linoleic acid epox MF
lysophospholipid MF
granulocyte chem BP
regulation of grar BP
positive regulatio BP
vocalization beha BP
cytoplasm protei BP
nuclear protein q BP
dihydroceramide MF
negative regulatic BP
positive regulation BP
negative regulation BP
regulation of MAC BP
positive regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
catenin-TCF7L2 c c CC
gamma-catenin-TCC
smooth muscle c cBP
negative regulation BP
positive regulation BP
mononuclear cell BP
negative regulation BP
positive regulation BP
olfactory bulb axo BP
commissural neur BP
cellular response BP endocytic vesicle CC
cardiac muscle th BP
regulation of MAI BP
organic substance BP
organic substance BP
nitrogen compound BP
immunoglobulin 1BP
membrane asserr BP
basement membi BP
ER-associated mi c BP
icosanoid transm MF
leukotriene trans BP
sodium-independ BP
lipopeptide bindi MF
cellular response BP
cellular response BP
response to nitric BP
cellular response BP
transcriptional ac BP
secretory IgA impr CC
nuclear membrar BP
nuclear inner mer BP
cellular response BP
response to fibro BP
endoplasmic retic BP
endoplasmic retic CC
endoplasmic retic BP
endoplasmic retic BP
K11-linked polyub MF
K6-linked polyub MF
LUBAC complex  CC
cellular response BP
podosome assem BP
regulation of pod BP
positive regulatio BP
potassium ion tra BP
protein transmen BP
positive regulatio BP
lipoprotein partic MF
tail-anchored mei BP
MMXD complex  CC
BAT3 complex  CC
DUBm complex  CC
N-box binding  MF
FANCM-MHF corr CC
triglyceride-rich li BP
intermediate-den BP
HMG box domain MF
cell proliferation i BP
apoptotic process BP
actin filament del BP
TNFSF11-mediate BP
positive regulatio BP
mitotic cell cycle  BP
neuropeptide rec MF
regulation of cell  BP
positive regulatio BP
negative regulatix BP
response to catec BP
cellular response BP
response to epine BP
cellular response BP
response to norej BP
cellular response BP
adrenergic recept BP
negative regulatix BP
positive regulatio BP
adenylate cyclase BP
adenylate cyclase BP
phospholipase C-β BP
N-terminal protein MF
leukocyte apoptosis BP
macrophage apoptosis BP
14-3-3 protein binding MF
bicarbonate binding MF
BMP signaling pathway BP
histone H2B conserved BP
odontoblast differentiation BP
protein localization BP
DNA biosynthetic BP
negative regulation BP
regulation of protein BP
negative regulation BP
positive regulation BP
determination of BP
determination of BP
determination of BP
determination of BP
synchronous neuron BP
citrate secondary MF
promosomes CC
dipeptide transport MF
urea transport MF
G-quadruplex DNA BP
cleavage body CC
cohesin loading BP
regulation of cohesin BP
endocannabinoid BP
alpha-tubulin acetylation BP
negative regulation BP
positive regulation BP
replication fork recombination BP
Arp2/3 complex MF
thiamine transport MF
coreceptor activation MF
vitamin A import BP
XPC complex CC
cell periphery CC
protein deubiquitination BP
FAD binding MF
conversion of mevalonate BP
elastic fiber CC
chemokine (C-C)nBP
mitotic sister chrBP
establishment or BP
fung-type cell wBP
extracellular exosBP
cell gliding BP
multivesicular bo BP
Ragulator compleCC
WD40-repeat dor MF
kidney rudiment IBP
nephron developIBP
glomerular epitheBP
glomerular endot BP
glomerulus vascu BP
proximal tubule dBP
glomerular viscer BP
glomerular pariet BP
distal tubule deveBP
nephron morphoBP
renal vesicle forrBP
renal vesicle indu BP
mesenchymal ste BP
negative regulatIBP
collecting duct deBP
establishment of BP
proximal/distal p:BP
comma-shaped b BP
S-shaped body m BP
renal inner medu BP
renal outer medu BP
outer medullary c BP
inner medullary c BP
loop of Henle dev BP
kidney epitheliu BP
metanephric mes BP
nephrogenic mes BP
renal vesicle morBP
nephron tubule πBP
nephron tubule χBP
nephron tubule δ BP
specification of lo BP
stem cell prolifer:BP
regulation of stenBP
ureteric bud inva:BP
regulation of bran BP
negative regulatic BP
specification of ur BP
glomerulus morp BP
glomerular capill BP
ureteric peristalsi BP
positive regulatio BP
positive regulatio BP
glomerular mesar BP
cell proliferation i BP
glomerular viscer BP
negative regulatic BP
positive regulatio BP
metanephric mes BP
nephrogenic mes BP
condensed meser BP
mesenchymal cel BP
glomerular pariet BP
renal interstitial f BP
mesangial cell de BP
glomerular mesar BP
epithelial cell fate BP
distal tubule mor BP
nephron tubule e BP
mesenchymal cel BP
mesonephric epit BP
mesonephric tubi BP
posterior mesone BP
specification of ar BP
specification of pr BP
metanephric tubi BP
mesonephric tubi BP
metanephric tubi BP
epithelial tube fo BP
mesonephric duc BP
nephric duct mor BP
nephric duct for BP
mesonephric duc BP
mesonephric duc BP
regulation of nep BP
negative regulati k BP
renal vesicle prog BP
ureter development BP
ureter urothelium BP
ureter epithelial c
ureter smooth m
ureter morphcine
mesenchymal cel
negative regulation
negative regulation
cell differentiation
(cell proliferation)
metanephric coll
metanephric epit
metanephric smo
metanephric nepl
metanephric cap
metanephric cort
metanephric asce
metanephric cort
metanephric dist:
metanephric glon
metanephric pro
metanephric nepl
metanephric dist:
metanephric loop:
metanephric pro
metanephric glon
metanephric glon
metanephric glon
metanephric inte
metanephric glon
metanephric caps
pattern specification
proximal/distal pc
metanephric nepl
metanephric glon
metanephric glon
metanephric glon
metanephric glon
metanephric com
metanephric nepl
metanephric ren:
metanephric S-sh
mesenchymal to
metanephric con
metanephric dist:
metanephric nepl
positive regulation
positive regulation BP
negative regulation BP
regulation of metabolism BP
clathrin coat disassembly BP
vesicle uncoating BP
volume-sensitive MF chaperone-media BP
signal transduction BP
intrinsic apoptosis BP
UDP-galactose trc BP
modified amino acid rescue of stalled BP
NAADP-sensitive MF
response to anesthetic BP
tricarboxylic acid BP
histone kinase acetyl MF
histone H3-T3 phosphorylation BP
chromosome passage BP
PTW/PP1 phosphatase CC
circulatory system BP
blood coagulation BP
TRC complex CC
minus-end-directed BP
plus-end-directed BP
organelle transport BP
minus-end-directed BP
plus-end-directed BP
flavin adenine dinucleotide BP
microtubule anchoring BP
detection of stimulus BP
signal transduction BP
detection of DNA BP
signal transduction BP
response to DNA BP
signal transduction BP
signal transduction BP
response to intracellular BP
signal transduction BP
response to G1 BP
signal transduction BP
MSL complex CC
ammonium transport BP
mesenchymal stem cell BP
embryonic skeletal muscle BP
divalent inorganic BP
positive regulation BP
Rho-dependent p MF
seminiferous tubule BP
purine-containing BP
pyrimidine-containing BP
perineuronal net CC
interleukin-23 receptor CC
fibroblast activation BP
T-helper 17 type I BP
T-helper 17 cell 1d BP
T-helper 17 cell 1i BP
protein phosphatase MF
L-DOPA binding MF
tyrosine binding MF
ER membrane receptor CC
terminal button cBP
blood vessel lumen BP
17-beta-ketosteroid MF
IPAF inflammasome CC
NLRP1 inflammasome CC
NLRP3 inflammasome CC
type B pancreatic BP
blood microparticle CC
endothelial micro CC
ADP-D-ribose binding MF
poly-ADP-D-ribose MF
tolerance induction BP
hepatocyte proliferation BP
liver morphogenesis BP
endothelial cell adhesion BP
glycine receptor c BP
17-beta-hydroxysteroid MF
clathrin-dependent BP
caveolin-mediated BP
DNA topoisomerase MF
box H/ACA scaRN CC
N-acetyl-L-aspartate MF
citrate-L-glutamate MF
oxygen metabolic BP
establishment of BP
establishment of BP
maintenance of p BP
protein localization BP
protein localization BP
maintenance of p BP
establishment of BP
establishment of BP
tRNA-splicing ligase CC
neutrophil extravasation BP
lamellipodium motility BP
multinuclear osteoclast fusion BP
lymphocyte migration BP
T cell migration BP
thymocyte migration BP
T cell extravasation BP
mitochondrial tRNA BP
mitotic spindle CC
meiotic spindle CC
protein localization BP
cellular response BP
response to sorbitol BP
cellular response BP
response to hydrogen peroxide response BP
cellular response BP
response to actin BP
cellular response BP
response to cisplatin BP
cellular response BP
response to dithiothreitol BP
cellular response BP
response to anisomycin BP
cellular response BP
entry of viral genome BP
microtubule-dependent viral protein transport of viral protein
viral translational BP
viral translational BP
transport of viral protein
establishment of BP
viral penetration BP
intracellular trans BP
Cul4-RING E3 ubiquitin BP
mRNA methylation BP
fatty-acyl-CoA reductase MF
phosphatidylinositol MF
methyl indole-3-acetate MF
GDP-D-glucose phosphatase MF
protein deglutathione BP
regulation of primase BP
phosphatidyl-N-diacyl glycerol MF
DNA demethylation BP
AMP transport BP
AMP transmembrane MF
proteasome core BP
fatty acid alpha-hydroxyster MF
regulation of cell death BP
amino acid homeostasis BP
L-cysteine desulfuration MF
regulation of fertility BP
regulation of protein homeostasis BP
hydrogen peroxidase BP
response to phenol BP
entry into host cell BP
maintenance of salt BP
protein K6-linked BP
extracellular matrix BP
modulation by synapses BP
cardiac muscle cell BP
cardiac muscle cell BP
cardiac muscle cell BP
regulation of cardiac BP
ventricular cardiac BP
voltage-gated sodium MF
voltage-gated calcium MF
voltage-gated potassium MF
membrane repolarization BP
membrane depolarization BP
membrane repolarization BP
membrane depolarization BP
atrial cardiac muscle BP
SA node cell action BP
AV node cell action BP
cell-cell signaling  BP
gap junction chan MF
SA node cell to at BP
adenylate cyclase BP
adenylate cyclase BP
Purkinje myocyte BP
adenylate cyclase BP
regulation of carc BP
calcium:sodium a MF
calcium-transport MF
sodium:proton ar MF
voltage-gated pot MF
cardiac muscle ce BP
bundle of His cell BP
atrial cardiac mus BP
membrane depol BP
membrane depol BP
membrane depol BP
AV node cell to br BP
bundle of His cell BP
Purkinje myocyte BP
voltage-gated cali MF
voltage-gated cali MF
voltage-gated cali MF
voltage-gated cali MF
voltage-gated soc MF
voltage-gated soc MF
voltage-gated soc MF
voltage-gated soc MF
cell communicat BP
atrial cardiac mus BP
AV node cell to br BP
bundle of His cell BP
SA node cell to at BP
AV node cell-bun BP
bundle of His cell BP
gap junction chan MF
gap junction chan MF
gap junction chan MF
gap junction chan MF
gap junction chan MF
protein binding in MF
cell adhesive prot MF
cell adhesive prot MF
voltage-gated pot MF
regulation of heart BP
regulation of the BP
angiotensin-activ. BP
endothelin recep. BP
protein kinase D BP
U2AF CC
L-histidine transr BP
L-histidine transr BP
spanning compor CC
amino acid impor BP
caspase binding MF
primitive streak fr BP
regulation of neu BP
positive regulatio BP
negative regulatic BP
regulation of mor BP
negative regulatic BP
positive regulatio BP
positive regulatio BP
regulation of prot BP
positive regulatio BP
negative regulatic BP
tubulin deacetyla BP
regulation of tubi BP
positive regulatio BP
positive regulatio BP
regulation of cell BP
positive regulatio BP
negative regulatic BP
positive regulatio BP
regulation of prot BP
positive regulatio BP
regulation of thal BP
positive regulatio BP
negative regulatic BP
negative regulatic BP
relaxation of mus BP
relaxation of skele BP
positive regulatio BP
regulation of hear BP
positive regulatio BP
regulation of incl BP
negative regulatic BP
regulation of prot BP
negative regulatic BP
negative regulatic BP
microtubule cytoskeleton regulation of estabishing of BP
planar cell polarization BP
regulation of cholesterol BP
positive regulation BP
negative regulation BP
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negative regulation BP
positive regulation BP
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positive regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
chromosome localization BP
centrosome-templating BP
regulation of microtubules BP
regulation of centrosome BP
regulation of kinetochore BP
regulation of metabolism BP
regulation of arachidonic acid BP
positive regulation BP
regulation of histones BP
positive regulation BP
negative regulation BP
retinoic acid receptor BP
Wnt signaling pathway BP
axis elongation in BP
convergent extension BP
regulation of cell BP
protein localization BP
regulation of DNA BP
regulation of plat BP
negative regulatic BP
regulation of bron BP
positive regulatio BP
positive regulatio BP
negative regulatic BP
positive regulatio BP
negative regulatic BP
cellular organoflu BP
negative regulatic BP
regulation of plat BP
positive regulatio BP
negative regulatic BP
negative regulatic BP
phagosome matu BP
phagosome acidif BP
phagosome-lysos BP
phagosome-lysos BP
phagolysosome a BP
phagosome-lysos BP
negative regulatic BP
cellular senescen BP
replicative senesc BP
stress-induced pr BP
oncogene-induce BP
oxidative stress-ir BP
malonyl-CoA synt MF
malonate catabol BP
nicotinate transm MF
thiamine pyrophc MF
acinar cell differe BP
palmitoyl-CoA lig; MF
oleoyl-CoA ligase MF
protein localizatib BP
FAR/SIN/STRIPAK CC
glutamate homec BP
dibasic protein pr BP
pyrimidine nuclec BP
vitamin transmen MF
small RNA 2'-O-m MF
dopamine uptake BP
mesenchymal cel BP
extrinsic compon CC
endocardial cushi BP
RNA phosphodies BP
sphingolipid medi BP
glomerular viscer BP
vesicle tethering iBP
actin filament rec BP
cation-transporti CC
calcium ion-trans CC
CERF complex CC
MIT domain bindi MF
Flemming body CC
phosphatidylicholi MF
phosphatidyleth a MF
phosphatidylserir MF
establishment of BP
regulation of mer BP
2-(3-amino-3-carl MF
RNA polymerase CC
RNA polymerase CC
alpha-glucosidase MF
ubiquitin-indeper BP
mitochondrial mF BP
DNA clamp unloa BP
meiotic spindle pCC
endoribonuclease MF
mRNA cleavage ir BP
activation of GTP:BP
outer dense plaqCC
inner dense plaq CC
mitochondrial tRF BP
modulation of ag BP
response to envir BP
response to oxyg BP
cellular response BP
apical cytoplasm CC
t-circle formation BP
telomeric loop di:BP
walking behavior BP
cerebrospinal flui BP
box H/ACA telom CC
galanin-activated BP
scaRNA localizati BP
endothelial cell cl BP
telomerase RNA sBP
telomerase RNA I BP
endothelial cell-m
intermicrovillar a
BP
calcium ion trans|BP
Scc2-Scc4 cohesir CC
primary adaptive BP
receptor-recepto MF
central region of CC
peripheral region CC
Las1 complex CC
site of DNA dama CC
telomere mainte BP
glycolysis from st BP
acetylcholine rect BP
ceramide binding MF
adipokinetic hor MF
regulation of plas BP
eukaryotic transl BP
cellular response BP
phagocytic vesicle CC
ciliary plasm CC
L27 domain bindi MF
renal protein abs BP
COPII adaptor act MF
lymphocyte migr BP
lymphocyte migr BP
fructose 6-phosph MF
MPP7-DLG1-LIN7 CC
ubiquitin-protein MF
dendritic cell dif BP
mature conven BP
regulation of mer BP
regulation of plas BP
heme export BP
perinuclear endo CC
protein linear pol BP
phosphatidyler BP
motor neuron ap BP
type B pancreatic BP
establishment of BP
L-kynurenine met BP
L-kynurenine cate BP
agmatine biosynt BP
selenocysteinyl-tR BP
TRAF2-GSTP1 con CC
CRLF-CLCF1 comp CC
CNTFR-CLCF1 con CC
synaptic membra CC
dendritic spine or BP
dendritic spine m BP
anterior head dev BP
response to thyrc BP
cellular response BP
response to thyrc BP
cellular response BP
ductus arteriosus BP
selenite:proton s MF
plasma membran BP
vascular smooth r BP
methyl-branched BP
presynaptic mem BP
synaptic vesicle c BP
craniofacial sutur BP
supercoiled DNA MF
blood vessel endc BP
endothelial tip ce BP
postsynaptic men BP
presynaptic mem BP
postsynaptic den: BP
postsynaptic den: BP
hedgehog family MF
neuroligin family MF
scaffold protein b MF
endoplasmic retic BP
gamma-aminobut BP
AMPA glutamate BP
NMDA glutamate BP
neurexin clusterir BP
gephyrin clusterir BP
guanylate kinase- BP
neuroligin cluster BP
postsynaptic den: BP
receptor localizat BP
cyclin A1-CDK2 cc CC
cyclin A2-CDK2 cc CC
cyclin B1-CDK1 cc CC
cyclin D2-CDK4 cc CC
cyclin E1-CDK2 cc CC
cyclin E2-CDK2 cc CC
Bel-2 family prote CC
cellular response BP
lysosomal membr BP
regulation of lyso BP
positive regulation BP
mitochondrial mFBP
sperm connecting CC
cell midpiece CC
cell mitochondr CC
cell annulus CC
cell principal p CC
cell end piece CC
lamellar body mem CC
epidermal lamell CC
cellular response BP
cellular response BP
hematopoietic st BP
amyloid-beta cleavage BP
flavonoid binding MF
mitochondrial res BP
oligodendrocyte : BP
R2TP complex CC
leukotriene B4 12 MF
self proteolysis BP
omega-hydroxyla BP
cytoophidium CC
all-trans-decapren MF
urea homeostasis BP
cellular ammonia BP
cellular creatinine BP
cellular urea hom BP
complement-dep BP
immune complex BP
hepatocyte apopto BP
renal phosphate i BP
activation of cyst BP
regulation of nucl BP
programmed nec BP
response to alcoh BP
cap1 mRNA meth BP
cap2 mRNA meth BP
plasma membra BP
7SK snRNA binding MF
B cell adhesion : BP
melanocyte migr : BP
melanocyte prolif BP
melanocyte adhesion response to anti-BP
response to anti-p BP
response to clozapine BP
inhibition of cysteine BP
ripososome CC
ripososome assembly BP
Rix1 complex CC
mitochondrial outer membrane BP
neutrophil clearance BP
autophagosome r BP
protein localization BP
perinucleolar correlation CC
UDP-glucosylation BP
CIA complex CC
MCM8-MCM9 complex CC
protein O-GlcNAcylation BP
establishment of BP
protein O-GlcNAcylation BP
MDM2/MDM4 family BP
NAD-dependent l MF
sensory neuron axon BP
interneuron axon BP
dorsal spinal cord BP
dorsal spinal cord BP
photoreceptor di CC
diDP diphosphatase MF
glial cell projection CC
interleukin-17-MC BP
synaptic vesicle MC BP
neuroblast migration BP
cellular response BP
glial cytoplasmic intermediate CC
hypoxia-inducible BP
Lewy body CC
classical Lewy body CC
neurofibrillary tangle CC
liver regeneration BP
tubular endosome CC
microtubule bundling CC
protein maturation BP
mitotic spindle pole CC
dense body CC
supramolecular fi BP
spliceosomal tri-s CC
necroptotic signa BP
evolution phase σ BP
granulocyte migr; BP
mast cell migratic BP
cellular stress res BP
lymphoid lineage BP
thymus epitheliur BP
ciliary transition f CC
axonemal basal p CC
ciliary tip CC
ciliary inversin co CC
axonemal outer d CC
ciliary base CC
transcription prei CC
mitochondrial do BP
calcium ion transị BP
glutathione oxido MF
lateral cell cortex CC
sequestering of ir BP
lamellipodium or BP
sperm cytoplasmic CC
cullin family prot MF
temperature-gate MF
monoamine oxidi MF
potassium ion exị BP
extrinsic compone CC
integral compone CC
eextrinsic compone CC
eextrinsic compone CC
integral compone CC
L-arginine import BP
amylin receptor a MF
amylin receptor s BP
A axonemal micro CC
serpin family prot MF
3',5'-nucleotide b MF
histone H3-K36 d BP
STAT family prot MF
double-strand brẹ BP
double-strand brẹ BP
intracellular phos MF
histone H3-K4 mc BP
establishment of BP
establishment of BP
telomere mainteBP
vascular endotheBP
intracellular vesicCC
ciliary basal bodyBP
vesicle targeting, BP
disordered doma MF
calcineurin-mediaBP
LEM domain bind MF
9+0 motile cilium CC
9+2 motile cilium CC
non-motile ciliumCC
9+0 non-motile ci CC
photoreceptor ce CC
extracellular exosBP
urate salt excretiBP
mitochondrial trF BP
regulation of bloc BP
membrane tubuliBP
endosome membBP
regulation of DNF BP
membrane bendi BP
non-replicative tr BP
G-rich strand telo MF
polynucleotide 3' BP
polynucleotide 5' BP
endothelial to hei BP
nucleotide phosp MF
skeletal muscle fi BP
positive regulatio BP
ligand-activated t MF
histone H3-K27 tr BP
centriole assemblBP
de novo centrioleBP
deuterosome CC
defense responseBP
lumenal side of G CC
cytoplasmic side c CC
cytoplasmic side c CC
cytoplasmic side c CC
cytoplasmic side c CC
cytoplasmic side c CC
lumenal side of ly CC
lumenal side of r CC
inactive sex chro CC
innate vocalization
external side of a CC
 cytoplasmic side of CC
 mucin granule of CC
 perivitelline space of CC
 palmitoyl hydrolase MF
 cell-cell adhesion BP
 trans-Golgi network BP
 cell-cell adhesion MF
 collagen fibril bin MF
 protein complex of CC
 collagen binding of MF
 integrin binding of MF
 cadherin binding MF
 cation transmembrane BP
 anion transmembrane BP
 import into cell BP
 inorganic anion in BP
 inorganic cation in BP
 inorganic cation out BP
 G protein-coupled BP
 G protein-coupled CC
 extrinsic component of CC
 template-free RNA MF
 photoreceptor rib of CC
 Schaffer collateral of CC
 hippocampal moss of CC
 parallel fiber to PCC
 glycine receptor of CC
 dopaminergic synapse of CC
 regulation of synapse BP
 regulation of synapse MF
 inositol 1,4,5-trisphosphate MF
 regulation of neuromodulator BP
 postsynaptic specificity BP
 neurotransmitter BP
 calcium ion import BP
 copper ion import BP
 iron ion import alpha BP
 glucose import alpha BP
 iron ion import alpha BP
 L-glutamate import BP
 leucine import alpha BP
 serine import alpha BP
 sodium ion import BP
symmetric cell division
macromolecule dimer
positive regulation
negative regulation
import across plasma membrane
cell-cell adhesion
fast, calcium ion-dependent
Cerebellar neurons
integral component
anchored component
cellular response
FBXO family proteins
skin epidermis differentiation
positive regulation
response to mitotic
ncRNA transcript
mRNA cleavage
pre-mRNA cleavage
xenophagy
postsynapse
membrane protein
plasma membrane
outer mitochondrial membrane
inner mitochondrial membrane
mRNA cap binding
nitrite reductase
neurotransmitter
nuclear chromatin
spontaneous synapsing
modulation of excitatory
BMP receptor activation
endoplasmic reticulum
intestinal folate absorption
presynaptic endosome
presynaptic active transport
presynaptic endosome
postsynaptic recycling
folate transmembrane protein transport
postsynaptic density
protein transport
postsynaptic endosome
postsynaptic endo CC
sequence-specific MF
cellular detoxifica BP
etrinsic compon CC
HCN channel com CC
intestinal lipid ab: BP
membrane micro CC
actin-based cell p CC
bone growth BP
cellular oxidant d BP
postsynaptic actin CC
G protein-coupled MF
epididymosome CC
neurotransmitter BP
maintenance of p BP
structural constiti MF
synapse pruning BP
modification of p BP
modification of d BP
neurotransmitter BP
etrinsic compon CC
etrinsic compon CC
etrinsic compon CC
etrinsic compon CC
etrinsic compon CC
regulation of acti BP
regulation of carc BP
regulation of mer BP
regulation of mer BP
regulation of AV r BP
regulation of bun BP
regulation of Pur BP
regulation of SA r BP
regulation of neu BP
regulation of carc BP
regulation of atrr BP
regulation of vent BP
membrane depol BP
membrane repol BP
membrane repol BP
structural constiti MF
structural constiti MF
retrograde trans: BP
retrograde trans: BP
retrograde trans: BP
axon transport  BP
anterograde dencBP
dendritic transpo BP
retrograde trans-:BP
neurotransmitter BP
anterograde axor BP
retrograde axona BP
regulation of postBP
dendritic transpo BP
perisynaptic extrCC
exocytic insertionBP
neurotransmitter BP
neurotransmitter BP
postsynaptic neurBP
anterograde dencBP
anterograde dencBP
structural constiMF
postsynaptic actirBP
excitatory chemicBP
inhibitory chemic BP
glutamatergic synCC
cholinergic synap CC
GABA-ergic synap CC
symmetric, GABA CC
neuron to neuron CC
asymmetric, glut CC
NMDA selective gBP
neuronal dense c:CC
anchored compoi CC
extrinsic compon CC
extrinsic compon CC
vesicle-mediated BP
calmodulin deper BP
modification of prBP
neuronal dense c:BP
neuronal dense c:CC
neuronal dense c:CC
perinuclear endoCC
vesicle tethering iCC
anchored compoi CC
anchored compoi CC
anchored compoi CC
anchored compoi CC
anchored compoi CC
ceramide floppas MF
synaptic membra BP
maintenance of p BP
modification of s\_BP
modification of \_s\BP
regulation of pos\_BP
calcium ion bindir MF
cytoplasmic regio CC
presynaptic cytos CC
postsynaptic spec CC
regulation of prot BP
regulation of prot BP
regulation of tran BP
regulation of tran BP
G protein-coupled MF
ion antiporter act MF
neurotransmitter MF
neurotransmitter BP
neurotransmitter MF
regulation of neu BP
ligand-gated calc MF
microtubule plus-BP
lateral attachmer BP
regulation of acti BP
microtubule later MF
protein localizatic BP
matrix side of mit CC
ventricular cardia BP
voltage-gated cal-MF
neurotransmitter BP
postsynaptic spec CC
postsynaptic neu BP
postsynaptic endi CC
postsynaptic spec CC
voltage-gated cal-MF
neurotransmitter BP
endosome to pla: BP
neurotransmitter BP
anterograde axon BP
retrograde axon BP
neurotransmitter BP
integral compone CC
induction of syna BP
cell cortex region CC
negative regulatic BP
positive regulatio BP
ficolin-1-rich granule  
cytolytic granule  
ubiquitinyl hydrolase
protein histidine  
estrogen 16-alpha  
estrogen 2-hydroxylase  
tRNA-guanine transferase  
chaperone complex  
acyl-L-homoserine thioesterase  
proline dipeptidase  
fatty acid omega-oxidation  
isobutyryl-CoA:FA hydroxylase  
beta,beta-carotene

oleamide hydrolase  
L-dopa O-methyltransferase  
5-diphosphoinositol kinase  
homocarnosine synthase  
hypoxia-inducible factor

laurate hydroxylase  
ceramidase activator  
3-oxo-glutaryl-[acyl-CoA]
3-oxo-pimeloyl-[acyl-CoA]  
hepanan sulfate N-acetylation  
N-acetyl-beta-D-glucosaminidase  
very-long-chain 3-oxoacyl-CoA
[protein]-3-O-(N-acetylglucosamine)  
[protein]-3-O-(N-acetylglucosamine)  
3-beta-hydroxysterol  
protein-ribulosanase  
protein-fructosanase  
N-acetylphosphatidylethanolamine  
very long chain fatty acid

1,3-diacylglycerol  
1,2-diacylglycerol  
tRNA-dihydouridine  
lecithin:11-cis retinol  
1,8-cineole  
3-oxo-arachidoyl-CoA  
3-oxo-cerotoyl-CoA  
3-oxo-lignoceroyl-CoA  
3-oxo-arachidoyl-CoA  
3-oxo-behenoyl-CoA  
3-oxo-lignoceroyl-CoA  
3-oxo-cerotoyl-CoA
3-hydroxy-arachid MF
3-hydroxy-behen MF
3-hydroxy-lignoc MF
11-cis-retinol deh MF
polyprenol reduc MF
mycophenolic aci MF
decanoate-CoA lij MF
sn-1-glycerol-3-pi MF
dATP phosphohyc MF
dCTP phosphohyc MF
dUTP phosphohyri MF
dTTP phosphohyc MF
GTP phosphohydi MF
8-oxo-dGTP phos MF
dGTP phosphohyri MF
SHG alpha-glucan MF
beta-maltose 4-al MF
tRNA-4-demethyl MF
tRNA 4-demethyl MF
tRNAPhe (7-{3-ar MF
phosphatidyl phospho MF
lipoyl synthase ac MF
lipoyl synthase ac MF
octanoyl transfer MF
protein-(glutamin MF
phospholipase A2 MF
phospholipase A2 MF
(protein]-3-O-{N-:MF
malonate-semialc MF
GDP-Man:Man2GMF
S-adenosyl-L-met MF
myo-inositol-1,2,MF
UDP-alpha-D-gluc MF
1,4-alpha-glucan MF
very-long-chain 3 MF
NADPH phosphat MF
very-long-chain e MF
dihydroceramide MF
dihydroceramide MF
geranial:oxygen c MF
heptaldehyde:oxy MF
molybdenum cofi MF
orcinol O-methylt MF
hypoglycin A gam MF
alcohol-forming f MF
myristoyl-CoA hyd MF
16-hydroxypalmit MF
alpha-amylase ac MF
fructose-1-phosp MF
methionyl-N-acylt MF
alanylglutamate c MF
1-ethyladenine dt MF
4alpha-carboxy-4 MF
4alpha-carboxy-5 MF
leukotriene C4 ga MF
17-hydroxyproge: MF
anandamide amic MF
intestinal hexose BP
amyloid-beta con CC
tRNA (guanine-N') BP
RNA 5'-cap (guanine) BP
cytoskeletal protMF
2-oxoglutaramate MF
regulation of infla BP
negative regulat BP
positive regulatio BP
phosphatidylinosito MF
phosphatidylinosito MF
positive regulatio BP
neuron projection BP
neuron projection BP
tRNA pseudouridi MF
neuron projection BP
protein maturatic BP
protein maturatic BP
guanine deglycati BP
guanine deglycati BP
guanine deglycati BP
polyamine deace BP
spermidine deace BP
regulation of cell BP
tRNA 2'-O-methyl MF
regulation of calc BP
regulation of cob: BP
SUMO ligase com CC
regulation of ade: BP
positive regulatio BP
negative regulat BP
dolichyl pyrophos MF
aminoacyl-tRNA r BP
| Term                  | Value  | Term                  | Value  |
|----------------------|--------|----------------------|--------|
| histone succinylalBP |        | histone succinyltrMF  |        |
| negative regulatioBP |        | positive regulatioBP  |        |
| glial cell projectioBP|       | ER-dependent peBP    |        |
| Ala-tRNA(Thr) hycMF  |        | positive regulatioBP  |        |
| Sec61 translocon MF  |        | P-TEFb complex b MF  |        |
| phosphorylated h MF  |        | mRNA N-acetylitrMF   |        |
| cyclic-GMP-AMP MF    |        | tRNA C3-cytosine BP  |        |
| peptide 2-hydrox MF  |        | peptidyl-lysine glBP |        |
| histone glutaryltrMF |        | protein depropioBP   |        |
| protein-propionylMF  |        | ceramide-1-phosMF    |        |
| L-serine-phosphMF    |        | hydroperoxy icosMF   |        |
| NA                   |        | NA                   |        |
| NA                   |        | NA                   |        |
| NA                   |        | NA                   |        |
| NA                   |        | NA                   |        |
| NA                   |        | NA                   |        |
| NA                   |        | NA                   |        |
| NA                   |        | NA                   |        |
| NA                   |        | NA                   |        |
| NA                   |        | NA                   |        |
| NA                   |        | NA                   |        |
| NA                   |        | NA                   |        |
ncRNA deadenyla BP
positive regulatio BP
DNA strand resec BP
regulation of DNA BP
deaminated gluta MF
metabolite repair BP
regulation of actin BP
regulation of angi BP
cellularization cle CC
negative regulatic BP
vesicle-mediated BP
positive regulatio BP
cellular detoxifica BP
regulation of calc BP
mRNA alternative BP
Norrin signaling p BP
RNA NAD-cap (NMF
RNA NAD-cap (NMF
NAD-cap decappi BP
apical plasma me CC
intermembrane s BP
lipid transfer activ MF
phospholipid tran MF
sterol transfer ac MF
ceramide transfer MF
phosphatidylchol MF
plasma membran CC
positive regulatio BP
regulation of plas BP
plasma membran BP
positive regulatio BP
negative regulatice BP
stereocilium sha fi CC
stereocilium base CC
stereocilium mair BP
U6 snRNA (aden ir MF
snRNA (adene-t BP
ribitol beta-1,4-xi MF
positive regulatio BP
negative regulatice BP
positive regulatio BP
positive regulatio BP
cell adhesion invc BP
crotonyl-CoA hyd MF
negative regulatice BP
vacuole-isolation CC
centiolar subdist CC
dNA-3'-diphosph MF
Sm-like protein fa CC
Lsm2-8 complex CC
t cell meandering BP
proximal portion CC
distal portion of a CC
sulfatide binding MF
Formylglycine-ge MF
calcium-depende MF
positive regulatio BP
intraciliary transp MF
regulation of cold BP
negative regulatice BP
detection of cold BP
intraciliary transp BP
positive regulatio BP
regulation of bile BP
positive regulation BP
tight junction assembly BP
tight junction organization BP
mucociliary clearance BP
cone photoreceptor CC
rod photoreceptor CC
photoreceptor disc CC
proacrosomal vesicle BP
sperm head-tail CC
subapical part of CC
basal body patch CC
regulation of bladder BP
larynx morphology BP
NA
NA
NA
NA
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NA
NA
NA
NA
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NA
KICSTOR complex CC
L-aspartate import BP
d-aspartate transport MF
meiotic nuclear division BP
mitotic nuclear division BP
regulation of cytochrome BP
mitochondrial ADP BP
modification-dependent MF
phosphorylation-dependent MF
ubiquitin-dependent MF
sumo-dependent MF
cell-cell adhesion BP
cellular detoxification BP
lipid droplet formation BP
cellular response BP
organelle localization BP
| **ATPase-coupled** | **MF** |
|-------------------|--------|
| **flipase activity** | **MF** |
| **flopase activity** | **MF** |
| **lysophospholipid** | **BP** |
| **aminophospholipid** | **BP** |
| **diacylglyceride trans** | **MF** |
| **sphingomyelin trans** | **MF** |
| **phosphatidylglycerol** | **MF** |
| **cerebrosides trans** | **MF** |
| **phosphatidylserine** | **MF** |
| **triglycerides trans** | **MF** |
| **phosphatidylcholine** | **MF** |
| **N-retinylidene-phosphatidylcholine** | **MF** |
| **lysophosphatidylcholine** | **MF** |
| **glycosylceramide** | **MF** |
| **ABC-type transporter** | **MF** |
| **cyclic-GMP-AMP synthase** | **MF** |
| **cyclic-GMP-AMP phosphodiesterase** | **BP** |
| **zinc:bicarbonate symporter** | **MF** |
| **DNA-binding transcription factor** | **MF** |
| **protein-cysteine S-glutathionyltransferase** | **MF** |
| **cytoskeleton-nucleus interaction** | **MF** |
| **cytokine precursor** | **BP** |
| **signaling receptor** | **BP** |
| **protein targeting** | **BP** |
| **NA** | **NA** |
| **NA** | **NA** |
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- primary dendrite  
- distal dendrite  
- regulation of spol  
- clathrin-dependent  
- regulation of neu  
- positive regulation  
- negative regulation  
- apical distal dendrite  
- basal dendrite de  
- basal dendrite mc  
- basal dendrite art  
- oxidised low-density  
- oxidised low-density  
- positive regulation  
- negative regulation  
- distal axon  
- postsynaptic Golgi  
- amylin receptor c  
- amylin receptor c  
- amylin receptor c  
- complement-mediated  
- vertebrate eye  
- positive regulation  
- positive regulation  
- neuroinflammation  
- regulation of neu  
- positive regulation  
- negative regulation  
- multiple spine syn  
- amyloid-beta cleavage  
- amyloid-beta cleavage  
- glial cell-neuron s  
- neuron-glial cell s  
- regulation of microtubule  
- negative regulation  
- reactive gliosis  
- transport across t  
- protein localization  
- regulation of protein  
- positive regulation  
- positive regulation
negative regulation of tran BP
negative regulation of cell-substrate jun BP
negative regulation of cell-BP
positive regulation of tran BP
positive regulation of cell-BP
positive regulation of pho BP
positive regulation of pho BP
positive regulation of cell-cell signaling BP
negative regulation of cytc BP
positive regulation of D-er BP
negative regulation of sub BP
positive regulation of ruffl BP
negative regulation of cell-BP
positive regulation of cell-BP
negative regulation of prot BP
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semaphorin-plexi BP
regulation of amy BP
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regulation of NLR BP
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regulation of cell BP
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negative regulati\text{BC} BP
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negative regulati\text{BC} BP
positive regulatio BP
regulation of diac BP
palmitic acid bios BP
regulation of puri BP
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negative regulati\text{BC} BP
positive regulatio BP
positive regulatio BP
regulation of p38 BP
positive regulatio BP
regulation of vasc BP
negative regulati\text{BC} BP
positive regulatio BP
doxorubicin trans BP
regulation of mer BP
positive regulatio BP
negative regulati\text{BC} BP
negative regulati\text{BC} BP
ubiquinone-6 bios \text{BC}
regulation of pot\text{BC} BP
negative regulati\text{BC} BP
positive regulatio BP
regulation of calc BP
negative regulati\text{BC} BP
positive regulatio BP
regulation of mit\text{BC} BP
negative regulati\text{BC} BP
positive regulatio BP
regulation of resp\text{BC} BP
sarcosine metabc BP
sarcosine catabol BP
regulation of eng BP
positive regulatio BP
regulation of rela BP
negative regulati\text{BC} BP
benzylpenicillin \text{BC} BP
regulation of autc BP
negative regulati\text{BC} BP
positive regulation BP
gentamicin metabolic BP
carbohydrate derived BP
insulin metabolic BP
regulation of tropoBP
negative regulation BP
positive regulation BP
neural crest cell derived BP
regulation of ERβ BP
negative regulation BP
positive regulation BP
regulation of ephrin BP
positive regulation BP
negative regulation BP
regulation of extracellular BP
positive regulation BP
regulation of heat shock BP
negative regulation BP
negative regulation BP
regulation of neurotrophin BP
positive regulation BP
regulation of NIK/BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
(R)-carnitine translocase MF
positive regulation BP
negative regulation BP
positive regulation BP
nucleotide excision repair BP
regulation of macromolecule BP
positive regulation BP
carbohydrate derived BP
negative regulation BP
nucleoside phosphate BP
negative regulation BP
positive regulation BP
negative regulation of carg BP
positive regulation of carg BP
negative regulation of flag BP
positive regulation of flag BP
positive regulation of stor BP
negative regulation of stor BP
positive regulation of odo BP
negative regulation of odo BP
positive regulation of vasc BP
negative regulation of vasc BP
response to rapam BP
organic cyclic con BP
heterocyclic com BF
lipid hydperoxi BP
acetate ester trar BP
regulation of pot BP
negative regulation of pot BP
positive regulation of pot BP
regulation of cho BP
negative regulation of cho BP
regulation of volt BP
negative regulation of volt BP
positive regulation of volt BP
regulation of tran BP
negative regulation of tran BP
positive regulation of tran BP
positive regulation of tran BP
regulation of pho BP
response to benz BP
azole transmem BF
pyruvate transme BP
oleate transmem MF
positive regulation of pho BP
negative regulation of pho BP
positive regulation of cyst BP
negative regulation of cyst BP
positive regulatio BP
positive regulatio BP
regulation of her BP
negative regulatio BP
positive regulatio BP
negative regulatio BP
positive regulatio BP
response to paclitBP
response to fenolBP
response to metf BP
response to camf BP
organonitrogen c BP
negative regulatio BP
positive regulatio BP
regulation of acid BP
dendritic microtu CC
response to caps±BP
alpha-amino acid BP
positive regulatio BP
phosphatidylglyc MF
cardioplipin bindin MF
regulation of smo BP
negative regulatio BP
positive regulatio BP
regulation of lym BP
negative regulatio BP
cellular response BP
regulation of posBP
positive regulatio BP
XTP binding MF
ITP binding MF
nucleoside transn BP
positive regulatio BP
response to pepti BP
cellular response BP
calcium ion expor BP
quinone metabol BP
quinone catabolic BP
positive regulatio BP
regulation of sup BP
positive regulatio BP
regulation of mitc BP
negative regulatio BP
positive regulatio BP
nucleotide transn BP
regulation of rela BP
negative regulatio BP
positive regulatio BP
diadenosine pent BP
diadenosine hexa BP
adenosine 5'-hexa BP
positive regulatio BP
positive regulatio BP
S-adenosyl-L-met BP
positive regulatio BP
positive regulatio BP
regulation of inw BP
positive regulatio BP
phosphatidylinosito MF
negative regulatio BP
positive regulatio BP
response to ketar BP
regulation of cell BP
positive regulatio BP
regulation of mitc BP
negative regulatio BP
positive regulatio BP
negative regulatio BP
toxin transport BP
homogentisate c ε BP
regulation of amy BP
positive regulatio BP
negative regulatio BP
regulation of ciliu BP
negative regulatio BP
L-arginine transp BP
regulation of NAC BP
regulation of herr BP
positive regulatio BP
regulation of herr BP
negative regulatio BP
positive regulatio BP
regulation of extr BP
negative regulatio BP
positive regulatio BP
regulation of Fas BP
negative regulatio BP
polyamine transn BP
regulation of tran BP
response to L-glu BP
regulation of posi BP negative regulatiBP
regulation of end BP negative regulatiBP
positive regulatio BP negative regulatiBP
regulation of intri BP negative regulatiBP
positive regulatio BP regulation of apo BP
negative regulatiBP regulation of dela BP
positive regulatio BP apoptotic process:BP apoptotic process:BP negative regulatiBP positive regulatio BP (R)-carnitine tran:BP D3 vitamins bindi MF regulation of chr BP voltage-gated pol MF negative regulatiBP semaphorin-plexi BP semaphorin-plexi BP regulation of sodi BP negative regulatiBP positive regulatio BP negative regulatiBP positive regulatio BP regulation of copi BP positive regulatio BP positive regulatio BP oxaloacetate(2-) 1 BP sulfate transmemBP melanocyte apop BP positive regulatio BP negative regulatiBP negative regulatiBP negative regulatiBP negative regulatiBP negative regulatiBP VEGF-activated n BP chemoattractant MF positive regulatio BP ceramide 1-phosh MF ceramide 1-phosh MF
ceramide 1-phosphoBP
protein localizationBP
mitotic cytokineticsBP
regulation of mitoticBP
protein localizationBP
regulation of mRNABP
positive regulationBP
positive regulationBP
deactivation of mRNABP
negative regulationBP
positive regulationBP
protein localizationBP
negative regulationBP
riboflavin bindingMF
regulation of mitoticBP
negative regulationBP
positive regulationBP
positive regulationBP
protein localizationBP
positive regulationBP
regulation of protBP
positive regulationBP
L-alpha-amino acidBP
chloride transportBP
protein localizationBP
cholangiocyte apicalBP
regulation of spermatogenesisBP
negative regulationBP
catalytic complexCC
transmembrane transportCC
regulation of protBP
positive regulationBP
lysosomal HOPS complexCC
regulation of signal transductionBP
regulation of apoptosisCC
negative regulationBP
positive regulationBP
regulation of organelleBP
regulation of calcifiedBP
positive regulationBP
positive regulationBP
regulation of protBP
positive regulationBP
positive regulationBP
regulation of intracellularBP
negative regulation BP
positive regulation BP
regulation of DNA BP
positive regulation BP
negative regulation BP
positive regulation BP
serine/threonine CC
3′-phospho-5′-adiBP
H4 histone acetyl CC
regulation of neu BP
negative regulation BP
protein localization BP
negative regulation BP
multi-organism in BP
regulation of DNA BP
proton transmem BP
carnitine transmem BP
heterotrimeric G-BP
negative regulation BP
positive regulation BP
negative regulation BP
acyl carnitine tran BP
response to fluori BP
cellular response BP
regulation of neu BP
positive regulation BP
assembly of large BP
regulation of mRNA BP
regulation of mer BP
negative regulation BP
1-phosphatidyl-1lBP
kinociliary basal li CC
calcium ion impoi BP
positive regulation BP
regulation of axon BP
positive regulation BP
negative regulation BP
positive regulation BP
regulation of rece BP
negative regulation BP
positive regulation BP
mitochondrial ou BP
respiratory basal BP
regulation of neu BP
GABA receptor cc CC
GABA-A receptor
positive regulation
negative regulation
positive regulation
negative regulation
positive regulation
dendritic filopodia
apoptotic process
positive regulation
regulation of lens
negative regulation
positive regulation
regulation of cell
negative regulation
positive regulation
skeletal muscle
positive regulation
GTPase activator
late endosome
mitochondrial large
regulation of syncytium
regulation of cell
negative regulation
positive regulation
regulation of skeletal muscle
positive regulation
regulation of skeletal muscle
negative regulation
positive regulation
negative regulation
positive regulation
regulation of neuron
mitochondrial cytoplasm
negative regulation
positive regulation
propionyl-CoA carboxylase
propionyl-CoA bicyclic
regulation of retinol
positive regulation
regulation of respiration
negative regulation
positive regulation
protein localization BP
negative regulation BP
positive regulation BP
terminal web assembly BP
regulation of post BP
negative regulation BP
regulation of supr BP
negative regulation BP
positive regulation BP
positive regulation BP
protein kinase C CC
regulation of prot BP
negative regulation BP
positive regulation BP
phosphatidylinositol MF
inward rectifier p CC
regulation of intracellular BP
negative regulation BP
positive regulation BP
metalloendopeptidase MF
protein localization BP
regulation of tau BP
negative regulation BP
positive regulation BP
regulation of den BP
negative regulation BP
positive regulation BP
regulation of early BP
positive regulation BP
negative regulation BP
positive regulation BP
regulation of aspartate BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
mitotic DNA replication BP
mitotic DNA replication BP
mitotic DNA replication BP
DNA strand elongation BP
neurofibrillary tangle BP
mitotic telomere BP
regulation of amyloid BP
negative regulation of bone
positive regulation of bone
negative regulation of bone
positive regulation of bone
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organelle disassembly
regulation of bone
negative regulation of bone
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negative regulation of bone
positive regulation of bone
positive regulation of bone
regulation of RNA
negative regulation of bone
regulation of ops
positive regulation of bone
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regulation of response
positive regulation of bone
regulation of leukocyte
negative regulation of bone
positive regulation of bone
positive regulation of bone
protein localization
neural crest cell migration
negative regulation of bone
negative regulation of bone
positive regulation of bone
regulation of extracellular
negative regulation of bone
positive regulation of bone
regulation of melanin
positive regulation of bone
regulation of protein
negative regulation of bone
positive regulation of bone
positive regulation of bone
positive regulation of bone
regulation of estrogen receptor alpha
negative regulation of bone
positive regulation of bone
negative regulation of bone
positive regulation of bone
negative regulatory BP
protein localization BP
1-phosphatidyl-1D BP
regulation of mito BP
positive regulation BP
urate homeostasis BP
protein localization BP
negative regulation BP
negative regulation BP
negative regulation BP
cupric ion binding MF
cuprous ion binding MF
regulation of esta BP
negative regulation BP
positive regulation BP
adrenomedullin r CC
regulation of autc BP
negative regulation BP
positive regulation BP
regulation of calc BP
negative regulation BP
positive regulation BP
positive regulation BP
glyoxal metabolic BP
glyoxal catabolic BP
positive regulation BP
positive regulation BP
negative regulation BP
regulation of oxid BP
negative regulation BP
regulation of hydro BP
negative regulation BP
negative regulation BP
positive regulation BP
regulation of prot BP
negative regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
mRNA binding inv MF
melanosome assembly BP
regulation of calc BP
positive regulation BP
regulation of leuk BP
negative regulation BP
positive regulation BP
U2-type presplice BP
negative regulation BP
positive regulation BP
negative regulation BP
multi-ciliated epithelium BP
exon-exon junction BP
positive regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
positive regulation BP
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positive regulation BP
positive regulation BP
regulation of protein localization BP
positive regulation BP
negative regulation BP
positive regulation BP
regulation of protein localization BP
positive regulation BP
regulation of pyruvate BP
regulation of regulation BP
positive regulation BP
positive regulation BP
positive regulation BP
positive regulation BP
positive regulation BP
positive regulation BP
response to dopamine BP
cellular response BP
L-ornithine transaminase BP
regulation of G0/G1 BP
protein localization BP
regulation of cell cycle BP
negative regulation BP
positive regulation BP
regulation of endocytosis BP
positive regulation BP
facioacoustic ganglion BP
regulation of oxidation BP
negative regulation BP
positive regulation BP
negative regulation BP
negative regulation BP
regulation of hormone BP
positive regulation BP
negative regulation BP
positive regulation BP
protein localization BP
L-arginine transport BP
L-lysine transport BP
negative regulation BP
positive regulation BP
reactive oxygen species BP
cellular response BP
response to glyco BP
protein localization BP
regulation of sync BP
negative regulation BP
positive regulation BP
regulation of reaction BP
negative regulation BP
positive regulation BP
regulation of cell BP
positive regulation BP
regulation of TOR BP
negative regulation BP
positive regulation BP
positive regulation BP
protein localization BP
response to lipoic BP
negative regulation BP
protein transport BP
positive regulation BP
lactate catabolism BP
Okazaki fragment BP
regulation of mtBP
negative regulation BP
positive regulation BP
response to dehydro BP
response to 11-deoxy BP
regulation of nuclear BP
negative regulation BP
positive regulation BP
phytanic acid metabolism
release of sequences BP
calcium ion transport BP
positive regulation BP
regulation of blocking BP
negative regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
regulation of protein BP
regulation of meiosis BP
establishment of protein localization BP
negative regulation BP
positive regulation BP
cellular response BP
protein localization BP
regulation of growth BP
regulation of extracellular BP
positive regulation BP
negative regulation BP
extracellular vesicle BP
regulation of protein BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
cornified envelope BP
response to L-arginine BP
cellular response BP
regulation of ATP BP
negative regulation BP
positive regulation BP
positive regulation BP
regulation of blood BP
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protein localization BP
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tarsal gland develop BP
substantia propria BP
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uterine gland develop BP
spermine transport BP
cysteine transport BP
asparagine transport BP
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negative regulatio BP
cortical microtubule CC
positive regulatio BP
regulation of volt BP
positive regulation BP
gap junction channel MF
regulation of potassium BP
positive regulation BP
sweet taste receptor CC
negative regulation BP
positive regulation BP
regulation of virus BP
positive regulation BP
regulation of DNA BP
protein localization BP
positive regulation BP
regulation of glutamine BP
positive regulation BP
guanine nucleotide BP
regulation of protein BP
negative regulation BP
positive regulation BP
L-leucine import BP
L-glutamine import BP
glycine import BP
L-isoleucine import BP
L-histidine import BP
L-serine import BP
negative regulation BP
positive regulation BP
negative regulation BP
organic acid transport BP
arginine transport BP
regulation of cell BP
negative regulation BP
positive regulation BP
magnesium ion transport BP
positive regulation BP
cellular response BP
cellular response BP
negative regulation BP
regulation of aorta BP
positive regulation BP
regulation of cristae BP
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negative regulation BP
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positive regulation of ATF-6BP
negative regulation of ATF-6BP
positive regulation of IRE1BP
negative regulation of IRE1BP
positive regulation of PERBP
negative regulation of PERBP
positive regulation of estabP
negative regulation of estabP
positive regulation of plasBP
negative regulation of plasBP
positive regulation of receBP
negative regulation of receBP
positive regulation of estradiol binding MF
cellular response BP
primary palate development
response to sodium BP
cellular response BP
response to acrylate BP
negative regulation of nitric-oxide synth CC
monounsaturated BP
positive regulation of nitric-oxide synth CC
negative regulation of nitric-oxide synth CC
positive regulation of micBP
negative regulation of micBP
positive regulation of enterobactin binding MF
positive regulation of enterobactin binding MF
iron ion export ac BP
negative regulatio BP
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cellular response BP
response to Arocl BP
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cellular response BP
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phosphatidyletha MF
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response to methamphetamine BP
transmitter-gated MF
response to 2-O-acetylcarnosine BP
cellular response BP
cellular response BP
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regulation of dopamine BP
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regulation of telomerase BP
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regulation of protamine BP
maintenance of uroboros BP
protein localization BP
endoplasmic reticulum BP
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mannose trimming BP
response to sodium BP
cellular response BP
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melatonin binding MF
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cellular response BP
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cellular response BP
response to glucoBP
positive regulatio BP
cellular response BP
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response to amyl BP
cellular response BP
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regulation of fat cBP
positive regulatio BP
glucose transmemBP
regulation of ubiqBP


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ATP export BP
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myo-inositol import BP
peptide transfer MF
response to 3-me BP
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midbrain morpho BP
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positive regulation BP
regulation of prot BP
negative regulation BP
positive regulation BP
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positive regulation BP
beta-catenin destabilize MF
regulation of chaperone BP
positive regulation BP
negative regulation BP
tertiary granule lin CC
negative regulation BP
negative regulation BP
vascular association BP
negative regulation BP
positive regulation BP
regulation of prot BP
negative regulation BP
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chaperone-mediated BP
negative regulation BP
all-trans-retinol-binding MF
response to tetra BP
regulation of prot BP
negative regulatic BP
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regulation of core BP
negative regulatic BP
positive regulatio BP
negative regulatic BP
regulation of tran BP
positive regulatio BP
rRNA acetylation BP
ficolin-1-rich gran CC
negative regulatic BP
positive regulatio BP
purine nucleobas BP
protein localizatic BP
positive regulatio BP
positive regulatio BP
dorsal root gangli BP
beta-catenin-TCF BP
TORC2 complex b MF
response to nitro BP
cellular response BP
response to L-glut BP
cellular response BP
negative regulatic BP
positive regulatio BP
proteasome core MF
proteasome regu MF
excitatory synaps BP
inhibitory synaps BP
negative regulatic BP
protein localizatic BP
positive regulatio BP
regulation of telo BP
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response to hydroxy BP
cellular response BP
positive regulation BP
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Wnt signalosome BP
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ESCRT III complex BP
ESCRT III complex BP
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positive regulation BP
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coreceptor activity MF
MCM complex bid MF
negative regulation BP
planar cell polarity BP
folate import into BP
midbrain dopamine BP
ATPase complex CC
negative regulation BP
positive regulation BP
Wnt signaling pattern BP
canonical Wnt signal BP
planar cell polarity BP
regulation of mid BP
regulation of cyto BP
positive regulation BP
brush border assembly BP
positive regulation BP
cellular response BP
lymphatic endothelial BP
regulation of end BP
positive regulation BP
lysosomal protein BP
regulation of volt BP
positive regulatio BP
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atrioventricular c-BP
epicardium morp BP
clathrin-coated piBP
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cellular response BP
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negative regulatic BP
response to 3,3',5 BP
cellular response BP
regulation of moc BP
negative regulatic BP
positive regulatio BP
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endonucleolytic c-BP
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regulation of moc BP
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negative regulation BP
positive regulation BP
fibrous ring of heart BP
serine-type peptidase CC
regulation of CAMP BP
positive regulation BP
negative regulation BP
positive regulation BP
negative regulation BP
positive regulation BP
transforming growth factor BP
semi-lunar valve BP
inferior endocardium BP
positive regulation BP
telomerase holoelement BP
tracheoesophageal BP
positive regulation BP
regulation of gastric mucosa BP
positive regulation BP
negative regulation BP
positive regulation BP
prostaglandin cathepsin BP
dendodeoxyribonuclease CC
ciliary transition zone BP
spine apparatus apparatus BP
regulation of end bone BP
negative regulation BP
peptidase complex CC
serine-type endopeptidase CC
ceramide phosphodiesterase CC
response to D-galactose BP
negative regulation BP
positive regulation BP
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retromer complex MF
response to flavonoid BP
cellular response BP
negative regulation BP
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negative regulation BP
regulation of denervation BP
positive regulation BP
response to glycine BP
cellular response BP
positive regulation BP
non-canonical Wnt BP
positive regulation BP
positive regulation BP
negative regulation BP
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regulation of myeloid BP
negative regulation BP
regulation of lymphoid BP
negative regulation BP
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negative regulation BP
canonical Wnt signaling BP
regulation of protein BP
positive regulation BP
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positive regulation BP
acetyl-CoA binding MF
positive regulation BP
negative regulation BP
non-motile cilia BP
positive regulation BP
macrophage migration BP
positive regulation BP
regulation of macrophage BP
negative regulation BP
positive regulation BP
negative regulation BP
regulation of Golgi BP
positive regulation BP
positive regulation BP
polysome binding MF
positive regulation BP
positive regulation BP
regulation of blood BP
positive regulation BP
negative regulation BP
positive regulation BP
ganglioside GM1 BP
ganglioside GM1 MF
ganglioside GM2 MF
ganglioside GM3 MF
ganglioside GT1b MF
ganglioside GP1c MF
positive regulation BP
positive regulatio BP
outer hair cell apx BP
positive regulatio BP
fibronectin fibril c BP
resveratrol bindir MF
negative regulatic BP
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cellular response BP
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regulation of calc BP
negative regulatic BP
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amyloid fibril forr BP
inhibition of cyste BP
methylglyoxal rec MF
IDP phosphatase MF
granular vesicle CC
neurosecretory v CC
mitotic spindle m CC
hippocampal mos CC
vasomotion BP
pericellular baske CC
pinceau fiber CC
parallel fiber CC
calcium ion expor BP
calcium ion impor BP
Lewy body core CC
Lewy body coron CC
protein localizatic BP
stress-induced mi BP
spindle matrix CC
anterograde neur BP
retrograde neuro BP
phosphatidic acid MF
activation of prot BP
TRAPPI protein cc CC
TRAPPII protein c CC
TRAPP III protein c CC
polyuridylation-d BP
periciliary membr CC
cartilage homeos BP
lens fiber cell apo BP
response to nerv BP
cellular response BP
calcium-depende BP
protein linear del BP
spermatoproteas CC
RQC complex CC
RNA polymerase BP
ribosome-associa BP
response to trans BP RNA polymerase MF preribosome binc MF RNA 5'-methyltria MF RNA localization t BP bub1-bub3 comp CC cellular response BP Atg1/ULK1 kinase CC Ire1 complex CC gap junction-med BP sumoylated E2 lig CC terminal web CC lipid transport act BP Lys48-specific de MF ubiquitin-specific MF hyaloid vascular r BP meiotic spindle r CC mitotic cleavage 1 BP protein K33-linke BP DNA repair comp CC 3M complex CC mitochondrial rib MF embryonic lung d BP embryonic liver d BP embryonic brain t BP protein ADP-ribos MF protein antigen b MF CGRP receptor co CC calcitonin gene-re MF calcitonin gene-re BP adrenomedullin t MF adrenomedullin r BP replication-born c BP cellular response BP response to insuli BP glyoxalase (glycol MF RZZ complex CC ryanodine recept CC mitotic recombin BP miRNA transport BP peroxisomal impc CC extracellular mat MF upper tip-link der CC U6 2'-O-sRNA m BP MAP kinase serin MF
positive regulation BP
negative regulation BP
intrinsc apoptosis BP
peptidyl-threonine BP
F-box domain bin MF
U1 snRNP binding MF
U2 snRNP binding MF
exon-exon junction MF
linear polyubiquitin MF
cellular stress res BP
Parkin-FBXW7-Cu CC
L-type voltage-ga CC
mitochondrion-er BP
transferrin receptor MF
leptin receptor bi MF
omegasome CC
protein autums CM
NuA3a histone ac CC
NuA3b histone ac CC
response to ultra:BP
mRNA pseudouridy BP
mitotic spindle m CC
dense core granu BP
dense core granu BP
piRNA biosynthet BP
CLOCK-BMAL trar CC
single-stranded 3 MF
pyrimidine nucleo BP
bone regeneratio BP
glycosylphosphat CC
phospholipid-trar CC
neuron projectior BP
fructose import a BP
mitochondrial m BP
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mitochondrial NAP BP
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HSP90-CDC37 chc CC
UDP-N-acetylgluc BP
TERT-RMRP comț CC
potassium ion im BP
mitochondrial L-c BP
VCP-NSFL1C comp
UV-damage excisi BP
response to manig BP
pseudouridine 5′-MF
microvesicle CC
protein sialylation BP
primary miRNA mf BP
EARP complex CC
cellular detoxification BP
microtubule end CC
mitotic spindle m BP
ubiquitin ligase-st MF
ubiquitin ligase ac MF
mitotic sister chr BP
osmolarity-sensin MF
growth cone lam CC
arrestin family pr MF
myofibroblast cor BP
proximal neuron CC
clathrin-depende BP
response to angig BP
lipoprotein partic CC
protein localizatiBP
cytoplasmic side r CC
protein tyrosine k MF
response to wate BP
negative regulatiBP
dorsal root gangli BP
endoplasmic retic BP
MWP complex CC
growth cone filop CC
DNA/DNA anneal MF
RNA adenylyltr MF
basic amino acid BP
response to leuke BP
sequence-specific MF
hepatocyte dedif BP
C-rich single-strar MF
cellular response BP
slow axonal trans BP
clathrin-uncoatin MF
response to odor BP
lysosomal matrix CC
poly(U)-specific e MF
response to endo BP
adaptive thermog BP
Wnt-Frizzled-LRP1 CC
cellular response BP
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cytoplasmic side of CC
CST complex CC
rRNA cytidine N-anMF
H4K20me3 modif MF
netrin receptor biMF
beta-catenin-TCF CC
Wnt signalosome CC
response to hypo BP
response to psycl BP
sperm head plasm CC
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double-strand brx BP
PET complex CC
short-term synap BP
calcium ion regul BP
response to amin BP
RNA N1-methylac MF
RNA N6-methylac MF
5.8S rRNA binding MF
splicing factor bin MF
peptidyl-aspartic BP
ATP-dependent r MF
ubiquitin ligase in MF
intramanchette tr BP
G-rich single-str MF
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basophil homeo MF
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EMILIN complex CC
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glycogen binding MF
starch binding MF
positive regulation BP
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nicotinate transport BP
negative regulation BP
positive regulation of ATP
negative regulation of histone
positive regulation of CD8
negative regulation of osteocalcin
positive regulation of vasoactive intestinal polypeptide
negative regulation of apoB
positive regulation of phosphatidylinositol 4,5-bisphosphate
negative regulation of apoptosis
positive regulation of extracellular matrix
negative regulation of intracellular calcium
**Fig 4A.** Expression of interferon associated genes in ancestral SARS-CoV-2 (QLD02) infected epithelial cells relative to uninfected controls (48 hours post-infection).

| Donor | Adult_IFIT1 | Child_IFIT1 | Adult_CXCL10 | Child_CXCL10 | Adult_ISG15 | Child_ISG15 |
|-------|-------------|-------------|--------------|--------------|-------------|-------------|
| 1     | NA          | 0.53004     | 0.069        | 0.03409      | 0.46711     | 0.11066     |
| 2     | 0.00513     | 0.33641     | 0.00025      | 0.00171      | 0.01576     | 0.01282     |
| 3     | 0.01189     | 0.12405     | 0.0005       | 0.00012      | 0.02069     | 0.45572     |
| 4     | 0.0108      | 0.0425      | 0.00523      | 0.00853      | 0.01715     | 0.03612     |
| 5     | 0.01281     | 0.42629     | 0.00026      | NA           | 0.01518     | 0.182       |
| 6     | 0.10942     | 0.15472     | 0.03255      | 0.02308      | 0.1931      | 0.20152     |
| 7     | NA          | 0.01317     | NA           | 0.0003       | 0.23492     | 0.02203     |
| 8     | 0.06867     | 0.241       | 0.02024      | NA           | 0.05671     | 0.42259     |
| 9     | -           | 0.0082      | -            | 0.00027      | -           | 0.01247     |
| 10    | -           | 0.01278     | -            | 0.00122      | -           | 0.02334     |

N=8 adults: 5 females, 3 males and N=10 pediatric: 5 females, 5 males
### Gene Ontology (GO) Analysis of DEGs in Adult NECs

Fig 3D. Raw data of Gene ontology (GO) analysis of DEGs in adult NECs were displayed by the bar chart (bold). The bars of significantly enriched GO (Overrepresented p value < 0.05) enrichment results were marked in purple and represents the gene count hits (as a percentage over number of genes in a category).

| GO ID          | Category             | Over_represented | Under_represented | numDEInCat | numInCat | term                                                                 |
|----------------|----------------------|------------------|-------------------|------------|-----------|----------------------------------------------------------------------|
| GO:007086      |                      | 0.000188         | 1                 | 1          | 1         | negative regulation of protein exit from endoplasmic reticulum      |
| GO:19013C      |                      | 0.000188         | 1                 | 1          | 1         | negative regulation of cargo loading into CO                       |
| GO:003631      |                      | 0.000378         | 1                 | 2          | 3         | SREBP-SCAP complex retention in endoplasmic reticulum              |
| GO:003631      |                      | 0.000536         | 1                 | 3          | 3         | cellular response to sterol                                         |
| GO:001086      |                      | 0.00073          | 1                 | 4          | 4         | negative regulation of steroid biosynthetic process                |
| GO:000698      |                      | 0.000746         | 1                 | 4          | 4         | response to sterol depletion                                       |
| GO:006036      |                      | 0.000793         | 1                 | 4          | 4         | cranial suture morphogenesis                                        |
| GO:003291      |                      | 0.001618         | 0.999999          | 1          | 9         | SREBP signaling pathway                                             |
| GO:004571      |                      | 0.002138         | 0.999998          | 1          | 11        | negative regulation of fatty acid biosynthetic process             |
| GO:000622      |                      | 0.002294         | 0.999998          | 1          | 10        | UTP biosynthetic process                                            |
| GO:000624      |                      | 0.002484         | 0.999998          | 1          | 11        | CTP biosynthetic process                                            |
| GO:000618      |                      | 0.002536         | 0.999998          | 1          | 11        | GTP biosynthetic process                                            |
| GO:004247      |                      | 0.003213         | 0.999996          | 1          | 16        | middle ear morphogenesis                                            |
| GO:000696      |                      | 0.003564         | 0.997388          | 2          | 13        | regulation of smooth muscle contraction                             |
| GO:000616      |                      | 0.00405          | 0.999994          | 1          | 19        | nucleoside diphosphate phosphorylation                              |
| GO:000664      |                      | 0.004812         | 0.999992          | 1          | 25        | triglyceride metabolic process                                      |
| GO:001612      |                      | 0.00589          | 0.99987           | 1          | 30        | sterol biosynthetic process                                        |
| GO:004433      |                      | 0.006598         | 0.999653          | 1          | 2         | canonical Wnt signaling pathway involved in regulation of smooth muscle contraction |
| GO:000666      |                      | 0.006799         | 0.99983           | 1          | 35        | cholesterol biosynthetic process                                   |
| GO:004555      |                      | 0.007863         | 0.99977           | 1          | 42        | negative regulation of fat cell differentiation                     |
| GO:004247      |                      | 0.008294         | 0.99975           | 1          | 45        | inner ear morphogenesis                                            |
| GO:000018      |                      | 0.008427         | 0.997668          | 2          | 12        | activation of MAPK activity                                        |
| GO:006002      |                      | 0.010602         | 0.99958           | 1          | 57        | roof of mouth development                                           |
| GO:004266      |                      | 0.012633         | 0.99941           | 1          | 65        | cholesterol homeostasis                                            |
| GO:003286      |                      | 0.016826         | 0.99894           | 1          | 92        | cellular response to insulin stimulus                               |
| GO:00082C      |                      | 0.017315         | 0.99888           | 1          | 91        | cholesterol metabolic process                                       |
| GO:200067      |                      | 0.018956         | 0.9993            | 1          | 4         | negative regulation of type B pancreatic cell                       |
| GO:00082C      |                      | 0.022318         | 0.99813           | 1          | 112       | steroid metabolic process                                           |
| GO:005091      |                      | 0.024734         | 0.99977           | 1          | 103       | detection of chemical stimulus involved in se                      |
| GO:00076C      |                      | 0.02749          | 0.999716          | 1          | 119       | sensory perception of smell                                        |
| GO:00080C      |                      | 0.034699         | 0.999284          | 1          | 4         | neuron recognition                                                  |
| GO:004862      |                      | 0.035692         | 0.999466          | 1          | 3         | myoblast fate commitment                                            |
| GO:004357      |                      | 0.036513         | 0.999311          | 1          | 4         | maintenance of DNA repeat elements                                 |
| GO:19048C      |                      | 0.04127          | 0.994732          | 1          | 29        | beta-catenin-TCF complex assembly                                  |
| GO:003027      |                      | 0.042358         | 0.997957          | 1          | 10        | maintenance of gastrointestinal epithelium                          |
| GO:003202      |                      | 0.042689         | 0.993238          | 2          | 36        | positive regulation of insulin secretion                            |
| GO:00109C      |                      | 0.045689         | 0.999466          | 1          | 3         | positive regulation of heparan sulfate proteoglycan                 |
| GO:000941      |                      | 0.045893         | 0.990857          | 3          | 48        | response to UV                                                      |
| GO:001081      |                      | 0.046589         | 0.999263          | 2          | 4         | regulation of hormone levels                                       |
| GO:00508C      |                      | 0.047561         | 0.999138          | 1          | 226       | response to stimulus                                               |
| GO               | Description                                           | x  | y  |
|------------------|-------------------------------------------------------|----|----|
| GO:000722        | Wnt signaling pathway, calcium modulating             | 3  | 34 |
| GO:000154        | blood vessel development                              | 1  | 50 |
| GO:001943        | triglyceride biosynthetic process                     | 1  | 17 |
| GO:004682        | positive regulation of protein export from nucleus    | 2  | 19 |
| GO:003533        | positive regulation of hippo signaling                | 4  | 4  |
| GO:003101        | pancreas development                                  | 20 | 20 |
| GO:190204        | negative regulation of extrinsic apoptotic signals    | 11 | 11 |
| GO:003461        | response to tumor necrosis factor                     | 7  | 7  |
| GO:004862        | regulation of smooth muscle cell proliferation        | 3  | 3  |
| GO:004244        | regulation of hormone metabolic process               | 572| 572|
positive regulation of epithelial to mesenchymal transition
**Fig 4B.** Levels of CXCL10 (pg/mL) in epithelial cell supernatant at 24 and 48 hours post-infection (h.p.i) with ancestral SARS-CoV-2 (QLD02).

| Donor | Adult_24hpi | Kid_24hpi | Adult_48hpi | Kid_48hpi |
|-------|--------------|-----------|-------------|-----------|
| 1     | 0            | 0         | 45.6713*    | 32.6      |
| 2     | 0            | 0         | 0           | 0         |
| 3     | 0            | 0         | 0           | 0         |
| 4     | 0            | 0         | 0           | 0         |
| 5     | 0            | 0         | 0           | 18.2      |
| 6     | 0            | 0         | 0           | 40.9306   |
| 7     | 0            | 0         | 0           | 0         |
| 8     | 0            | 0         | 0           | 85.7205   |
| 9     | -            | 0         | -           | 0         |
| 10    | -            | 0         | -           | 0         |

*Note: Outliers were removed using ROUT’s test (Q = 1%).

Number of donors shown in Fig 4B&C (N=8 adults: 5 females, 3 males and N=10 children: 5 females, 5 males).
- mL) in epithelial cell
- post-infection
- CoV-2 (QLD02).

| Adult_48hp | Kid_48hpi |
|-----------|-----------|
| 0         | 4.41*     |
| 0         | 0         |
| 0         | 0         |
| 0         | 0         |
| 0         | 0         |
| 0         | 0         |
| 0         | 0         |
| -         | 123.23*   |
| -         | 0         |

| Donor | Adult_24hp | Kid_24hpi | Adult_48hp | Kid_48hpi |
|-------|------------|------------|------------|------------|
| 1     | NA         | 308.09     | NA         | 299.98     |
| 2     | 297.82     | 295.93     | 296.99     | 297.93     |
| 3     | 286.4      | 299.82     | 300.89     | 297.65     |
| 4     | 287.57     | 339.81     | 294.22     | 330.69     |
| 5     | 294.31     | NA         | 296.77     | NA         |
| 6     | -          | -          | -          | -          |
| 7     | -          | -          | -          | -          |
| 8     | -          | -          | -          | -          |
| 9     | -          | -          | -          | -          |
| 10    | -          | -          | -          | -          |

5 males) and 4D (N=5 adults: 4 females, 1 male and N=5 children: 2 females, 3 males) were different.
Fig 4E. Plaque forming units (PFU) of SARS-CoV-2 from the apical surface of nasal epithelial cells NEC hours post-infection (h.p.i.).

| Donor | Adult_QLD02 | Child_QLD02 | Adult_Delta | Child_Delta | Adult_Omicron |
|-------|-------------|-------------|-------------|-------------|---------------|
| 1     | 400         | NA          | 20000       | 4800*       | 360           |
| 2     | 240         | NA          | 5600        | 720         | NA            |
| 3     | 440         | 240         | 40000       | 1280        | 56000*        |
| 4     | 360         | 160         | 60000       | 1360        | 12200         |
| 5     | 12000*      | 320         | 68000       | 600         | 440           |
| 6     | 2000*       | 240         | 28000       | 520         | 2000          |
| 7     | 760         | 200         | 24000       | 600         | 5200          |
| 8     | 160         | 40          | 36000       | 5200*       | NA            |
| 9     | 240         | 240         | 920         | 2800        | 360           |
| 10    | 360         | 240         | 24000       | 1200        | NA            |

*Note: Outliers were removed using ROUT's test (Q = 1%).
N=10 adults: 5 females, 5 males and N=10 children: 5 females, 5 males
| Child_Omicron | Donor | Adult_QLD02 | Child_QLD02 | Adult_Delta |
|--------------|-------|------------|------------|-------------|
| 360          | 1     | 5255.57    | 333.74     | 1717274.95  |
| 160          | 2     | 9913.15    | **6930.29** | 683064.15   |
| 160          | 3     | 15169.12   | 35.284     | 1262284.72  |
| 680          | 4     | 772.18     | 158.162    | **6822313.3*** |
| 520          | 5     | 11991.24   | 316.247    | 2538679.34  |
| 280          | 6     | 7900.85    | **0.002**  | 344038.2    |
| 760          | 7     | 2904.24    | 111.385    | 636203.86   |
| 120          | 8     | 550.77     | 1011.895   | 1236879.3   |
| NA           | 9     | 167.48     | 1044.655   | 21226.02    |
| NA           | 10    | 1457.2     | 164.821    | 792260.34   |

Fig 4E. Expression of ORF3a RNA in it
Affected cells at relative to GAPDH expression.

| Child_Delta  | Adult_Omicron | Child_Omicron |
|--------------|---------------|---------------|
| 651873.57*   | 101134.5      | NA            |
| 7744.09      | NA            | NA            |
| 112300.37    | 325984729e+007* | 400865.784   |
| 15199.927    | 736008039e+007* | 59349.521    |
| 71076.044    | NA            | 486031.319   |
| 143943.514   | 74312.21      | 791524.651   |
| 22925.201    | 707687.05     | 553489.244   |
| 13945.082    | 158444.85     | 594667.521   |
| 6516.539     | NA            | 223005.885   |
| 50056.603    | 1690751.82    | 43188.236    |
S3 Fig. Relative ACE2 levels compared to GAPDH in pediatric and adult NECs.

| Donor | Adult_24h | Child_24h |
|-------|-----------|-----------|
| 1     | 0.199     | 0.176     |
| 2     | 0.218     | 0.142     |
| 3     | 0.522     | 0.091     |
| 4     | -         | 0.037     |