| circRNA_ID      | strand | gene_id                                      | samples    |
|----------------|--------|----------------------------------------------|------------|
| hsa_circ_0004663 | +      | ENSG0000004764;                             | Con_5Y1    |
| hsa_circ_0006727 | +      | ENSG000000077713;                           | Con_5Y1    |
| hsa_circ_0091506 | +      | ENSG000000156697;                           | Con_5Y1    |
| hsa_circ_0007717 | +      | ENSG000000176896;                           | Con_5Y1    |
| hsa_circ_0090739 | -      | ENSG00000086758;                           | Con_5Y1    |
| hsa_circ_0002227 | -      | ENSG000000085224;                           | Con_5Y1    |
| hsa_circ_0030130 | +      | ENSG000000102780;                           | Con_5Y1    |
| hsa_circ_0030722 | +      | ENSG000000134882;                           | Con_5Y1    |
| hsa_circ_0027861 | +      | ENSG000000111785;                           | Con_5Y1    |
| hsa_circ_0028021 | +      | ENSG000000110880;                           | Con_5Y1    |
| hsa_circ_0028146 | +      | ENSG000000139437;                           | Con_5Y1    |
| hsa_circ_0029051 | -      | ENSG000000284934;                           | Con_5Y1    |
| hsa_circ_0025506 | +      | ENSG00000013588;                           | Con_5Y1    |
| hsa_circ_0025553 | -      | ENSG000000176915;                           | Con_5Y1    |
| hsa_circ_0003853 | +      | ENSG000000123106;                           | Con_5Y1    |
| hsa_circ_0026616 | -      | ENSG00000094914;                           | Con_5Y1    |
| hsa_circ_0002419 | +      | ENSG00000067798;                           | Con_5Y1    |
| hsa_circ_0027707 | -      | ENSG00000070961;                           | Con_5Y1    |
| hsa_circ_0005127 | +      | ENSG00000076043;                           | Con_5Y1    |
| hsa_circ_0024473 | +      | ENSG00000095139;                           | Con_5Y1    |
| hsa_circ_0089660 | +      | ENSG00000172273;                           | Con_5Y1    |
| hsa_circ_0021500 | +      | ENSG00000185238;                           | Con_5Y1    |
| hsa_circ_0021728 | +      | ENSG00000026508;                           | Con_5Y1    |
| hsa_circ_0020915 | -      | ENSG00000110713;                           | Con_5Y1    |
| hsa_circ_0002464 | -      | ENSG00000110713;                           | Con_5Y1    |
| hsa_circ_0004899 | +      | ENSG00000198561;                           | Con_5Y1    |
| hsa_circ_0002440 | -      | ENSG00000175376;                           | Con_5Y1    |
| hsa_circ_0023031 | +      | ENSG00000173715;                           | Con_5Y1    |
| hsa_circ_0001968 | +      | ENSG00000110075;                           | Con_5Y1    |
| hsa_circ_0023555 | -      | ENSG00000168014;                           | Con_5Y1    |
| hsa_circ_0023940 | -      | ENSG00000073921;                           | Con_5Y1    |
| hsa_circ_0024016 | +      | ENSG00000166004;                           | Con_5Y1    |
| hsa_circ_0019777 | +      | ENSG00000148842;                           | Con_5Y1    |
| hsa_circ_0017469 | +      | ENSG00000047056;                           | Con_5Y1    |
| hsa_circ_0020078 | +      | ENSG00000151553;                           | Con_5Y1    |
| hsa_circ_0017709 | -      | ENSG00000151461;                           | Con_5Y1    |
| hsa_circ_0020336 | +      | ENSG00000019995;                           | Con_5Y1    |
| hsa_circ_0008885 | -      | ENSG00000175029;                           | Con_5Y1    |
| hsa_circ_0006279 | +      | ENSG00000120539;                           | Con_5Y1    |
| hsa_circ_0007403 | -      | ENSG00000134470;                           | Con_5Y1    |
| hsa_circ_003658  | +      | ENSG00000138311;                           | Con_5Y1    |
| hsa_circ_0018544 | +      | ENSG00000060339;                           | Con_5Y1    |
| hsa_circ_0018557 | +      | ENSG00000060339;                           | Con_5Y1    |
| hsa_circ_0018659 | +      | ENSG00000107719;                           | Con_5Y1    |
| hsa_circ_0007797 | +      | ENSG00000035403;                           | Con_5Y1    |
| hsa_circ_0019116 | +      | ENSG00000107854;                           | Con_5Y1    |
| hsa_circ_0008332 | +      | ENSG00000107854;                           | Con_5Y1    |
| hsa_circ_0019120 | +      | ENSG00000095564;                           | Con_5Y1    |
| hsa_circ_0004896 | -      | ENSG00000171311;                           | Con_5Y1    |
| hsa_circ_0019421 | +      | ENSG00000198018;                           | Con_5Y1    |
| hsa_circ_0007871 | -      | ENSG00000167193;                           | Con_5Y1    |
| hsa_circ_0042268 | -      | ENSG00000171953;                           | Con_5Y1    |
| Hsa_circ_ID       | Strain     | ENSG_ID     | Con_Y1     |
|------------------|------------|-------------|------------|
| hsa_circ_0072275 | -          | ENSG00000113569; | Con_5Y1    |
| hsa_circ_0001483 | -          | ENSG00000067248; | Con_5Y1    |
| hsa_circ_0071660 | +          | ENSG00000112877; | Con_5Y1    |
| hsa_circ_0001498 | -          | ENSG00000164253; | Con_5Y1    |
| hsa_circ_0073163 | +          | ENSG00000039319; | Con_5Y1    |
| hsa_circ_0005187 | +          | n/a         | Con_5Y1    |
| hsa_circ_0001374 | +          | ENSG00000114054; | Con_5Y1    |
| hsa_circ_00064576| +          | ENSG00000114427; | Con_5Y1    |
| hsa_circ_00066414| -          | ENSG00000163785; | Con_5Y1    |
| hsa_circ_0002541 | -          | ENSG00000174738; | Con_5Y1    |
| hsa_circ_0003337 | +          | ENSG00000163939; | Con_5Y1    |
| hsa_circ_00056433| +          | ENSG00000163715; | Con_5Y1    |
| hsa_circ_00056734| +          | ENSG00000163731; | Con_5Y1    |
| hsa_circ_0001081 | +          | ENSG00000157827; | Con_5Y1    |
| hsa_circ_00057128| -          | ENSG00000172845; | Con_5Y1    |
| hsa_circ_0002541 | +          | ENSG00000163939; | Con_5Y1    |
| hsa_circ_0003337 | +          | ENSG00000163939; | Con_5Y1    |
| hsa_circ_0014151 | -          | ENSG00000198380; | Con_5Y1    |
| hsa_circ_0000020 | +          | ENSG00000173218; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000020 | +          | ENSG00000173218; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| hsa_circ_0000052 | +          | ENSG00000135945; | Con_5Y1    |
| Gene Name           | Strand | Ensembl Gene ID       | Sample Type |
|--------------------|--------|-----------------------|-------------|
| hsa_circ_0016414   | +      | ENSG00000162769       | Con_5Y1     |
| hsa_circ_0016707   | -      | ENSG00000183814       | Con_5Y1     |
| hsa_circ_0016873   | -      | ENSG00000119280       | Con_5Y1     |
| hsa_circ_0017160   | +      | ENSG00000116984       | Con_5Y1     |
| hsa_circ_0009376   | +      | ENSG00000157916       | Con_5Y1     |
| hsa_circ_0017263   | -      | ENSG00000035687       | Con_5Y1     |
| hsa_circ_0011120   | -      | ENSG00000158161       | Con_5Y1     |
| hsa_circ_0004320   | +      | ENSG00000197056       | Con_5Y1     |
| hsa_circ_0017263   | -      | ENSG00000035687       | Con_5Y1     |
| hsa_circ_0011120   | -      | ENSG00000158161       | Con_5Y1     |
| hsa_circ_0004320   | +      | ENSG00000197056       | Con_5Y1     |
| hsa_circ_0012550   | -      | ENSG00000134744       | Con_5Y1     |
| hsa_circ_0088404   | +      | ENSG00000011454       | Con_5Y1     |
| hsa_circ_0088417   | -      | ENSG00000165209       | Con_5Y1     |
| hsa_circ_0088530   | -      | ENSG00000173611       | Con_5Y1     |
| hsa_circ_0088600   | -      | ENSG00000119487       | Con_5Y1     |
| hsa_circ_0002330   | -      | ENSG00000137024       | Con_5Y1     |
| hsa_circ_0087024   | -      | ENSG000001213908      | Con_5Y1     |
| hsa_circ_0004725   | -      | ENSG000000105339      | Con_5Y1     |
| hsa_circ_0004725   | -      | ENSG000000105339      | Con_5Y1     |
| hsa_circ_0004403   | +      | ENSG00000136828       | Con_5Y1     |
| hsa_circ_0088661   | +      | ENSG00000148356       | Con_5Y1     |
| hsa_circ_0089721   | +      | ENSG00000181090       | Con_5Y1     |
| hsa_circ_0007784   | -      | ENSG00000171889       | Con_5Y1     |
| hsa_circ_0007374   | -      | ENSG00000155096       | Con_5Y1     |
| hsa_circ_0002330   | -      | ENSG00000135018       | Con_5Y1     |
| hsa_circ_0003015   | -      | ENSG00000136828       | Con_5Y1     |
| hsa_circ_0003185   | -      | ENSG00000136828       | Con_5Y1     |
| novel_circ_0018625 | -      | n/a                   | Con_5Y1     |
| novel_circ_0018665 | +      | ENSG000000101911      | Con_5Y1     |
| novel_circ_0018687 | -      | ENSG000000213468      | Con_5Y1     |
| novel_circ_0018791 | +      | ENSG000000130741      | Con_5Y1     |
| novel_circ_0002899 | -      | ENSG000000132953      | Con_5Y1     |
| novel_circ_0002899 | -      | ENSG000000132953      | Con_5Y1     |
| novel_circ_002057  | -      | ENSG000000111011      | Con_5Y1     |
| Gene Symbol         | Ensembl ID          | Con_5Y1     |
|--------------------|---------------------|-------------|
| novel_circ_0002118 | +                   | ENSG00000184445; Con_5Y1 |
| novel_circ_0002148 | -                   | ENSG00000139697; Con_5Y1 |
| novel_circ_0002184 | -                   | ENSG00000196498; Con_5Y1 |
| novel_circ_0002193 | -                   | ENSG00000150990; Con_5Y1 |
| novel_circ_0002207 | -                   | ENSG00000111450; Con_5Y1 |
| novel_circ_0002215 | +                   | ENSG00000183495; Con_5Y1 |
| novel_circ_0002242 | +                   | ENSG00000171681; Con_5Y1 |
| novel_circ_0002245 | +                   | ENSG00000023697; Con_5Y1 |
| novel_circ_0002260 | +                   | ENSG00000052126; Con_5Y1 |
| novel_circ_0002279 | +                   | ENSG00000139163; Con_5Y1 |
| novel_circ_0002355 | +                   | ENSG0000013573; Con_5Y1 |
| novel_circ_0002410 | -                   | ENSG00000129317; Con_5Y1 |
| novel_circ_0002433 | +                   | ENSG00000257261; Con_5Y1 |
| novel_circ_0002461 | +                   | ENSG00000123352; Con_5Y1 |
| novel_circ_0002524 | +                   | ENSG00000050426; Con_5Y1 |
| novel_circ_0002564 | +                   | ENSG0000011581; Con_5Y1 |
| novel_circ_0002630 | +                   | ENSG00000135679; Con_5Y1 |
| novel_circ_0002658 | -                   | ENSG00000133858; Con_5Y1 |
| novel_circ_0002705 | -                   | ENSG00000058272; Con_5Y1 |
| novel_circ_0000996 | -                   | ENSG00000133812; Con_5Y1 |
| novel_circ_0001003 | +                   | ENSG00000137693; Con_5Y1 |
| novel_circ_0001035 | -                   | ENSG00000152404; Con_5Y1 |
| novel_circ_0001055 | -                   | ENSG00000149308; Con_5Y1 |
| novel_circ_0001094 | -                   | ENSG00000086848; Con_5Y1 |
| novel_circ_0001111 | +                   | ENSG00000110328; Con_5Y1 |
| novel_circ_0001124 | +                   | ENSG00000118058; Con_5Y1 |
| novel_circ_0001180 | +                   | ENSG00000245498; Con_5Y1 |
| novel_circ_0001241 | -                   | ENSG00000011405; Con_5Y1 |
| novel_circ_0001333 | +                   | ENSG00000135387; Con_5Y1 |
| novel_circ_0001358 | +                   | ENSG00000026508; Con_5Y1 |
| novel_circ_0001406 | +                   | ENSG00000151348; Con_5Y1 |
| novel_circ_0001423 | +                   | ENSG00000175224; Con_5Y1 |
| novel_circ_0001484 | +                   | ENSG00000255691; Con_5Y1 |
| novel_circ_0001496 | -                   | ENSG00000110076; Con_5Y1 |
| novel_circ_0001515 | -                   | ENSG00000166037; Con_5Y1 |
| novel_circ_0001790 | +                   | ENSG000000120029; Con_5Y1 |
| novel_circ_0000051 | -                   | ENSG00000148843; Con_5Y1 |
| novel_circ_0000103 | +                   | ENSG00000108055; Con_5Y1 |
| novel_circ_0000121 | +                   | ENSG00000151532; Con_5Y1 |
| novel_circ_0000133 | +                   | n/a; Con_5Y1 |
| novel_circ_0000190 | -                   | ENSG00000107581; Con_5Y1 |
| novel_circ_0000198 | -                   | ENSG00000151461; Con_5Y1 |
| novel_circ_0000309 | +                   | ENSG00000203780; Con_5Y1 |
| novel_circ_0000352 | +                   | ENSG00000065328; Con_5Y1 |
| novel_circ_0000425 | +                   | ENSG00000269897; ENSG00000135679; Con_5Y1 |
| novel_circ_0000482 | +                   | ENSG00000095787; Con_5Y1 |
| novel_circ_0000483 | +                   | ENSG00000095787; Con_5Y1 |
| novel_circ_0000501 | -                   | ENSG00000165322; Con_5Y1 |
| novel_circ_0000518 | +                   | ENSG00000216937; Con_5Y1 |
| novel_circ_0000533 | -                   | ENSG00000148498; Con_5Y1 |
| novel_circ_0000567 | -                   | ENSG00000165406; Con_5Y1 |
| novel_circ_0000645 | -                   | ENSG00000057608; Con_5Y1 |
| novel_circ_0000701 | -                   | ENSG00000138346; Con_5Y1 |
| novel_circ_0000707 | -                   | ENSG00000138346; Con_5Y1 |
| novel_circ_0000714 | +                   | ENSG00000138336; Con_5Y1 |
| novel_circ_0000778 | -                   | ENSG00000122882; Con_5Y1 |
| novel_circ_0000833 | -                   | ENSG00000107929; Con_5Y1 |
| Identifier        | Symbol       | Description        |
|-------------------|-------------|--------------------|
| novel_circ_00000845 | -           | ENSG00000182771; Con_5Y1 |
| novel_circ_00000856 | -           | ENSG00000062650; Con_5Y1 |
| novel_circ_00000915  | +           | ENSG00000138160; Con_5Y1  |
| novel_circ_00000950  | -           | ENSG00000059573; Con_5Y1  |
| novel_circ_00005327  | +           | ENSG00000132383; Con_5Y1  |
| novel_circ_00005393  | -           | ENSG00000007202; Con_5Y1  |
| novel_circ_00005454  | +           | ENSG00000196712; Con_5Y1  |
| novel_circ_00005523  | +           | ENSG00000276234; Con_5Y1  |
| novel_circ_00005566  | -           | ENSG00000074755; Con_5Y1  |
| novel_circ_00005598  | -           | ENSG00000108799; Con_5Y1  |
| novel_circ_00005748  | +           | ENSG00000011260; Con_5Y1  |
| novel_circ_00005925  | +           | ENSG00000198909; Con_5Y1  |
| novel_circ_00005977  | -           | ENSG00000154240; Con_5Y1  |
| novel_circ_00006053  | +           | ENSG00000073350; Con_5Y1  |
| novel_circ_00006087  | +           | ENSG00000078687; Con_5Y1  |
| novel_circ_00004630  | +           | ENSG00000186260; Con_5Y1  |
| novel_circ_00004644  | -           | ENSG00000166783; Con_5Y1  |
| novel_circ_00004681  | -           | ENSG00000063854; Con_5Y1  |
| novel_circ_00004699  | +           | ENSG00000103528; Con_5Y1  |
| novel_circ_00004888  | +           | ENSG00000102910; Con_5Y1  |
| novel_circ_00004894  | +           | ENSG00000102910; Con_5Y1  |
| novel_circ_00004903  | +           | ENSG00000155393; Con_5Y1  |
| novel_circ_00004930  | +           | ENSG00000087253; Con_5Y1  |
| novel_circ_00004941  | -           | ENSG00000135736; Con_5Y1  |
| novel_circ_00004950  | -           | ENSG00000125107; Con_5Y1  |
| novel_circ_00004966  | -           | ENSG00000159720; Con_5Y1  |
| novel_circ_00005153  | -           | ENSG00000103248; Con_5Y1  |
| novel_circ_00005154  | -           | ENSG00000103248; Con_5Y1  |
| novel_circ_00005165  | -           | ENSG00000103257; Con_5Y1  |
| novel_circ_00005189  | +           | ENSG00000158545; Con_5Y1  |
| novel_circ_00005223  | +           | ENSG00000197912; Con_5Y1  |
| novel_circ_00003954  | +           | ENSG00000184254; Con_5Y1  |
| novel_circ_00003969  | -           | ENSG000000273749; Con_5Y1 |
| novel_circ_00004072  | +           | ENSG00000137815; Con_5Y1  |
| novel_circ_00004080  | -           | ENSG00000166887; Con_5Y1  |
| novel_circ_00004132  | -           | ENSG00000104133; Con_5Y1  |
| novel_circ_00004143  | -           | ENSG00000166200; Con_5Y1  |
| novel_circ_00004153  | -           | ENSG00000166262; Con_5Y1  |
| novel_circ_00004203  | -           | ENSG00000285253; Con_5Y1  |
| novel_circ_00004310  | -           | ENSG00000075131; Con_5Y1  |
| novel_circ_00004316  | +           | ENSG00000174442; Con_5Y1  |
| novel_circ_00004479  | +           | ENSG00000086666; Con_5Y1  |
| novel_circ_00004498  | -           | ENSG00000064726; Con_5Y1  |
| novel_circ_00004521  | +           | ENSG000000170776; Con_5Y1 |
| novel_circ_00004546  | +           | ENSG00000166965; Con_5Y1  |
| novel_circ_00004558  | +           | ENSG000000173575; Con_5Y1 |
| novel_circ_00003351  | +           | ENSG00000100664; Con_5Y1  |
| novel_circ_00003393  | -           | ENSG00000165819; Con_5Y1  |
| novel_circ_00003408  | -           | ENSG00000100802; Con_5Y1  |
| novel_circ_00003453  | -           | ENSG00000092148; Con_5Y1  |
| novel_circ_00003481  | -           | ENSG00000129515; Con_5Y1  |
| novel_circ_00003501  | -           | ENSG00000151332; Con_5Y1  |
| novel_circ_00003577  | -           | ENSG00000087299; Con_5Y1  |
| novel_circ_00003687  | +           | ENSG00000054654; Con_5Y1  |
| novel_circ_00003774  | +           | ENSG00000100767; Con_5Y1  |
| novel_circ_00003785  | +           | ENSG00000258653; Con_5Y1  |
| novel_circ_00003792  | +           | ENSG00000119596; Con_5Y1  |
| novel_circ_00003878  | -           | ENSG000000100796; Con_5Y1  |
| Gene Symbol       | Strand | Gene ID                  | Con_5Y1 |
|------------------|--------|--------------------------|---------|
| novel_circ_0003888 | +      | ENSG00000165934;         | Con_5Y1 |
| novel_circ_0006735 | -      | ENSG000000267059;ENSG0   | Con_5Y1 |
| novel_circ_0006851 | -      | ENSG00000121289;         | Con_5Y1 |
| novel_circ_0007015 | +      | ENSG00000105464;         | Con_5Y1 |
| novel_circ_0007100 | +      | n/a                      | Con_5Y1 |
| novel_circ_0007137 | -      | ENSG000000070423;        | Con_5Y1 |
| novel_circ_0007160 | -      | ENSG00000167785;         | Con_5Y1 |
| novel_circ_0006298 | +      | ENSG00000141449;         | Con_5Y1 |
| novel_circ_0006309 | +      | ENSG00000167088;         | Con_5Y1 |
| novel_circ_0006338 | +      | ENSG00000101773;         | Con_5Y1 |
| novel_circ_0006378 | +      | ENSG00000099940;         | Con_5Y1 |
| novel_circ_0006484 | +      | ENSG00000082212;         | Con_5Y1 |
| novel_circ_0009712 | +      | ENSG00000099940;         | Con_5Y1 |
| novel_circ_0009835 | -      | ENSG00000233080;         | Con_5Y1 |
| novel_circ_0009931 | -      | ENSG00000121281;         | Con_5Y1 |
| novel_circ_0010001 | -      | ENSG00000128159;         | Con_5Y1 |
| novel_circ_0010003 | +      | ENSG00000025770;         | Con_5Y1 |
| novel_circ_0009159 | -      | ENSG00000101391;         | Con_5Y1 |
| novel_circ_0009232 | +      | ENSG00000167088;         | Con_5Y1 |
| novel_circ_0009273 | +      | ENSG00000197818;         | Con_5Y1 |
| novel_circ_0009383 | +      | ENSG00000197818;         | Con_5Y1 |
| novel_circ_0009530 | -      | ENSG00000156299;         | Con_5Y1 |
| novel_circ_0009548 | +      | ENSG00000142166;         | Con_5Y1 |
| novel_circ_0009651 | +      | ENSG000001160218;        | Con_5Y1 |
| novel_circ_0009683 | +      | ENSG00000160299;         | Con_5Y1 |
| novel_circ_0015819 | -      | ENSG000000239521;        | Con_5Y1 |
| novel_circ_0015878 | +      | ENSG00000005483;         | Con_5Y1 |
| novel_circ_0016053 | +      | ENSG00000146963;ENSG0Con | Con_5Y1 |
| novel_circ_0016054 | +      | ENSG00000146963;ENSG0Con | Con_5Y1 |
| novel_circ_0016185 | -      | ENSG000000146918;        | Con_5Y1 |
| novel_circ_0016215 | +      | ENSG00000136261;         | Con_5Y1 |
| novel_circ_0016273 | -      | ENSG000000164548;        | Con_5Y1 |
| novel_circ_0016307 | -      | ENSG00000070882;         | Con_5Y1 |
| novel_circ_0016393 | +      | ENSG00000011426;         | Con_5Y1 |
| novel_circ_0016464 | +      | ENSG00000075618;         | Con_5Y1 |
| novel_circ_0016599 | -      | ENSG00000009954;         | Con_5Y1 |
| novel_circ_0016645 | +      | ENSG000000187257;        | Con_5Y1 |
| novel_circ_0014938 | -      | ENSG00000112249;         | Con_5Y1 |
| novel_circ_0014978 | +      | ENSG000000183137;        | Con_5Y1 |
| novel_circ_0014979 | -      | ENSG000000135596;        | Con_5Y1 |
| novel_circ_0015072 | -      | ENSG00000152894;         | Con_5Y1 |
| novel_circ_0015146 | +      | ENSG000001121249;        | Con_5Y1 |
| novel_circ_0015227 | +      | ENSG00000008083;         | Con_5Y1 |
| novel_circ_0015286 | +      | ENSG00000164674;         | Con_5Y1 |
| novel_circ_0015308 | +      | ENSG00000085511;         | Con_5Y1 |
| novel_circ_0015448 | -      | n/a                      | Con_5Y1 |
| novel_circ_0015452 | +      | ENSG000000237649;        | Con_5Y1 |
| novel_circ_0015466 | +      | ENSG00000065060;         | Con_5Y1 |
| novel_circ_0015468 | +      | ENSG00000023892;         | Con_5Y1 |
| novel_circ_0015544 | -      | ENSG000000124571;        | Con_5Y1 |
| novel_circ_0015575 | -      | ENSG00000001084;         | Con_5Y1 |
| novel_circ_0015685 | -      | n/a                      | Con_5Y1 |
| novel_circ_0015698 | +      | ENSG00000083123;         | Con_5Y1 |
| novel_circ_0013968 | +      | ENSG00000145495;         | Con_5Y1 |
| novel_circ_0013971 | +      | ENSG00000145495;         | Con_5Y1 |
| novel_circ_0014004 | -      | ENSG00000129595;         | Con_5Y1 |
| novel_circ_0014019 | +      | ENSG00000172795;         | Con_5Y1 |
| Novel_Circ_ID       | Stratum  | ENSG_ID 1                | Stratum  | ENSG_ID 2                |
|--------------------|----------|-------------------------|----------|-------------------------|
| novel_circ_0013059 | -        | ENSG000000057019;       | Con_5Y1  |                         |
| novel_circ_0010026 | +        | ENSG000000071054;       | Con_5Y1  |                         |
| novel_circ_0010032 | +        | ENSG000000135974;       | Con_5Y1  |                         |
| novel_circ_0010056 | +        | ENSG000000163006;       | Con_5Y1  |                         |
| novel_circ_0010179 | +        | ENSG000000136731;       | Con_5Y1  |                         |
| novel_circ_0010248 | +        | ENSG000000115705;       | Con_5Y1  |                         |
| novel_circ_0010342 | -        | ENSG000000196151;       | Con_5Y1  |                         |
| novel_circ_0010345 | +        | ENSG00000064933;        | Con_5Y1  |                         |
| novel_circ_0010359 | -        | ENSG00000115290;        | Con_5Y1  |                         |
| novel_circ_0010468 | -        | ENSG00000115966;        | Con_5Y1  |                         |
| novel_circ_0010528 | +        | ENSG00000138448;        | Con_5Y1  |                         |
| novel_circ_0010541 | +        | ENSG00000069248;        | Con_5Y1  |                         |
| novel_circ_0010669 | +        | ENSG00000119004;        | Con_5Y1  |                         |
| novel_circ_0010738 | +        | ENSG00000079246;        | Con_5Y1  |                         |
| novel_circ_0010739 | +        | ENSG000001136731;       | Con_5Y1  |                         |
| novel_circ_0007217 | +        | ENSG000000123636;       | Con_5Y1  |                         |
| novel_circ_0011365 | -        | ENSG000000068878;       | Con_5Y1  |                         |
| novel_circ_0011500 | +        | ENSG000000115504;       | Con_5Y1  |                         |
| novel_circ_0011540 | -        | ENSG00000243667;        | Con_5Y1  |                         |
| novel_circ_0011613 | +        | ENSG00000116127;        | Con_5Y1  |                         |
| novel_circ_0011642 | +        | ENSG00000115459;        | Con_5Y1  |                         |
| novel_circ_0011702 | -        | ENSG00000151694;        | Con_5Y1  |                         |
| novel_circ_0007176 | -        | ENSG00000156876;        | Con_5Y1  |                         |
| novel_circ_0017752 | +        | ENSG00000119509;        | Con_5Y1  |                         |
| novel_circ_0017814 | +        | ENSG00000165219;        | Con_5Y1  |                         |
| novel_circ_0017953 | -        | ENSG00000119414;        | Con_5Y1  |                         |
| novel_circ_0017957 | +        | ENSG00000069248;        | Con_5Y1  |                         |
novel_circ_0018212 + n/a Con_5Y1
novel_circ_0018302 + ENSG00000165304; Con_5Y1
novel_circ_0018457 - ENSG00000135052; Con_5Y1
novel_circ_0016992 - ENSG00000154359; Con_5Y1
novel_circ_0017309 - ENSG00000129696; Con_5Y1
novel_circ_0017389 + ENSG00000164808; Con_5Y1
novel_circ_0017392 - ENSG00000253729; Con_5Y1
novel_circ_0017570 - ENSG00000276418; Con_5Y1
novel_circ_0017607 - ENSG00000251136; Con_5Y1
novel_circ_0017666 - ENSG00000164944; Con_5Y1
novel_circ_0017699 + ENSG00000173273; Con_5Y1
novel_circ_0017703 + ENSG00000147649; Con_5Y1
novel_circ_0017705 + ENSG00000147649; Con_5Y1
novel_circ_0017720 - ENSG00000104375; Con_5Y1
hsa_circ_0003450 - ENSG00000123562; Con_5Y1,Con_5Y2
hsa_circ_0001913 - ENSG00000185896; Con_5Y1,Con_5Y2
hsa_circ_0000509 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_0026153 + ENSG00000123352; Con_5Y1,Con_5Y2
hsa_circ_0025002 + ENSG00000006831; Con_5Y1,Con_5Y2
hsa_circ_0025219 - ENSG00000285238; Con_5Y1,Con_5Y2
hsa_circ_0025359 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_0020875 - ENSG00000110713; Con_5Y1,Con_5Y2
hsa_circ_0004410 - ENSG00000110713; Con_5Y1,Con_5Y2
hsa_circ_0023229 + ENSG00000110075; Con_5Y1,Con_5Y2
hsa_circ_0023655 + ENSG00000158636; Con_5Y1,Con_5Y2
hsa_circ_0003546 - ENSG00000184014; Con_5Y1,Con_5Y2
hsa_circ_00006820 + ENSG00000204152; Con_5Y1,Con_5Y2
hsa_circ_0003168 + ENSG00000155256; Con_5Y1,Con_5Y2
hsa_circ_0042835 + ENSG00000108582; Con_5Y1,Con_5Y2
hsa_circ_00025002 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_00001913 - ENSG00000185896; Con_5Y1,Con_5Y2
hsa_circ_000325002 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_00025002 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_00025002 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_00025002 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_00025002 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_00025002 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_00025002 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_00025002 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_00025002 + ENSG00000065970; Con_5Y1,Con_5Y2
hsa_circ_00025002 + ENSG00000065970; Con_5Y1,Con_5Y2
novel_circ_0001482 - ENSG00000149532; Con_5Y1,Con_5Y2
novel_circ_0000428 - ENSG00000150867; Con_5Y1,Con_5Y2
novel_circ_0006163 - ENSG00000176155; Con_5Y1,Con_5Y2
novel_circ_0005183 + ENSG00000158545; Con_5Y1,Con_5Y2
novel_circ_0003939 - ENSG00000140470; Con_5Y1,Con_5Y2
novel_circ_0003953 + n/a Con_5Y1,Con_5Y2
novel_circ_0004003 + ENSG00000285077;ENSG00000284906; Con_5Y1,Con_5Y2
novel_circ_0004064 - ENSG00000128908; Con_5Y1,Con_5Y2
novel_circ_0004073 + ENSG00000137815; Con_5Y1,Con_5Y2
novel_circ_0004126 + ENSG00000104131; Con_5Y1,Con_5Y2
novel_circ_0004190 - ENSG00000128833; Con_5Y1,Con_5Y2
novel_circ_0004246 + ENSG00000140455; Con_5Y1,Con_5Y2
novel_circ_0004465 + ENSG00000140403; Con_5Y1,Con_5Y2
novel_circ_0007058 + n/a Con_5Y1,Con_5Y2
novel_circ_0006475 - ENSG00000172361; Con_5Y1,Con_5Y2
novel_circ_0006595 + ENSG00000166377; Con_5Y1,Con_5Y2
novel_circ_0009774 - ENSG00000180957; Con_5Y1,Con_5Y2
novel_circ_0009943 + ENSG00000284805;ENSG00000172361; Con_5Y1,Con_5Y2
novel_circ_0009071 - ENSG00000089048; Con_5Y1,Con_5Y2
novel_circ_0015866 - ENSG00000164815; Con_5Y1,Con_5Y2
novel_circ_0016176 + ENSG00000109335; Con_5Y1,Con_5Y2
novel_circ_0016701 + ENSG00000105793; Con_5Y1,Con_5Y2
novel_circ_0015097 + ENSG00000118507; Con_5Y1,Con_5Y2
novel_circ_0015386 - ENSG00000124795; Con_5Y1,Con_5Y2
novel_circ_0015788 - ENSG00000146263; Con_5Y1,Con_5Y2
novel_circ_0014921 - ENSG00000153922; Con_5Y1,Con_5Y2
novel_circ_0013318 - ENSG00000198589; Con_5Y1,Con_5Y2
novel_circ_0013632 - ENSG00000112192; Con_5Y1,Con_5Y2
novel_circ_00111904 + ENSG00000177707; Con_5Y1,Con_5Y2
novel_circ_00111921 - ENSG00000082781; Con_5Y1,Con_5Y2
novel_circ_00112324 + ENSG00000131374; Con_5Y1,Con_5Y2
novel_circ_0012702 + ENSG00000179152; Con_5Y1,Con_5Y2
novel_circ_0012855 + ENSG00000164081; Con_5Y1,Con_5Y2
novel_circ_0010266 + ENSG00000083045; Con_5Y1,Con_5Y2
novel_circ_0010839 + ENSG00000144468; Con_5Y1,Con_5Y2
novel_circ_00111014 - ENSG00000138101; Con_5Y1,Con_5Y2
novel_circ_00111183 - ENSG00000171055; Con_5Y1,Con_5Y2
novel_circ_00111221 - ENSG00000115904; Con_5Y1,Con_5Y2
novel_circ_00111430 - ENSG00000115464; Con_5Y1,Con_5Y2
novel_circ_00111624 - ENSG00000159374; Con_5Y1,Con_5Y2
novel_circ_00111647 + ENSG00000168883; Con_5Y1,Con_5Y2
novel_circ_00007351 - ENSG00000143401; Con_5Y1,Con_5Y2
novel_circ_0007355 + ENSG00000117360; Con_5Y1,Con_5Y2
novel_circ_00007547 - ENSG00000152382; Con_5Y1,Con_5Y2
novel_circ_00007686 + ENSG00000162782; Con_5Y1,Con_5Y2
novel_circ_00007764 + ENSG00000116747; Con_5Y1,Con_5Y2
novel_circ_00007869 - ENSG00000127483; Con_5Y1,Con_5Y2
novel_circ_00008222 + ENSG00000174371; Con_5Y1,Con_5Y2
novel_circ_0008663 - ENSG00000134744; Con_5Y1,Con_5Y2
novel_circ_00087998 + ENSG00000122483; Con_5Y1,Con_5Y2
novel_circ_0018094 + ENSG00000177239; Con_5Y1,Con_5Y2
novel_circ_0018185 + ENSG00000099810; Con_5Y1,Con_5Y2
novel_circ_0016825 - ENSG00000104517; Con_5Y1,Con_5Y2
novel_circ_0016842 - ENSG00000155096; Con_5Y1,Con_5Y2
novel_circ_0016872 + ENSG00000164830; Con_5Y1,Con_5Y2
novel_circ_0017357 - ENSG00000120925; Con_5Y1,Con_5Y2
novel_circ_0017506 + ENSG00000104218; Con_5Y1,Con_5Y2
novel_circ_0017533 - ENSG00000066777; Con_5Y1,Con_5Y2
hsa_circ_0002748 - ENSG00000123066; Con_5Y1,Con_5Y3
hsa_circ_0028587 - ENSG00000123066; Con_5Y1,Con_5Y3
hsa_circ_0008087 + ENSG00000153179; Con_5Y1,Con_5Y3
hsa_circ_0024236 + ENSG00000149311; Con_5Y1,Con_5Y3
hsa_circ_0003900 - ENSG00000167986; Con_5Y1,Con_5Y3
hsa_circ_0005282 - ENSG00000110090; Con_5Y1,Con_5Y3
hsa_circ_0006534 - ENSG00000136758; Con_5Y1,Con_5Y3
hsa_circ_0002498 - ENSG00000107959; Con_5Y1,Con_5Y3
hsa_circ_0002487 - ENSG00000148498; Con_5Y1,Con_5Y3
hsa_circ_0003023 - ENSG00000151240; Con_5Y1,Con_5Y3
hsa_circ_0006148 + ENSG00000156671; Con_5Y1,Con_5Y3
hsa_circ_0000744 - ENSG00000141027; Con_5Y1,Con_5Y3
hsa_circ_0042977 + ENSG00000178691; Con_5Y1,Con_5Y3
hsa_circ_0043282 + ENSG00000176624; Con_5Y1,Con_5Y3
hsa_circ_0041011 - ENSG00000187741; Con_5Y1,Con_5Y3
hsa_circ_0034694 + ENSG00000285920; Con_5Y1,Con_5Y3
hsa_circ_0035929 - ENSG00000174485; Con_5Y1,Con_5Y3
hsa_circ_0007836 + ENSG00000132003; Con_5Y1,Con_5Y3
hsa_circ_0005617 + ENSG00000198089; Con_5Y1,Con_5Y3
hsa_circ_0007130 + ENSG00000025293; Con_5Y1,Con_5Y3
hsa_circ_0002660 + ENSG00000151928; Con_5Y1,Con_5Y3
hsa_circ_0008795 - ENSG00000159131; Con_5Y1,Con_5Y3
hsa_circ_0001672 - ENSG00000185658; Con_5Y1,Con_5Y3
hsa_circ_0079628 + ENSG00000105926; Con_5Y1,Con_5Y3
hsa_circ_00077535 - ENSG0000057663; Con_5Y1,Con_5Y3
hsa_circ_0001647 + ENSG00000152818; Con_5Y1,Con_5Y3
hsa_circ_00076558 - ENSG00000124571; Con_5Y1,Con_5Y3
hsa_circ_0003929 - ENSG00000072364; Con_5Y1,Con_5Y3
hsa_circ_0006994 + ENSG00000145907; Con_5Y1,Con_5Y3
hsa_circ_0003868 - ENSG00000135074; Con_5Y1,Con_5Y3
hsa_circ_0006970 + ENSG00000123460; Con_5Y1,Con_5Y3
hsa_circ_0002670 + ENSG00000158234; Con_5Y1,Con_5Y3
hsa_circ_00068435 - ENSG00000244405; Con_5Y1,Con_5Y3
hsa_circ_00066434 + ENSG00000163635; ENSG00000057663; Con_5Y1,Con_5Y3
hsa_circ_0006595 + ENSG00000143379; Con_5Y1,Con_5Y3
hsa_circ_00016905 + ENSG00000270106; Con_5Y1,Con_5Y3
hsa_circ_0005057 - ENSG00000116514; Con_5Y1,Con_5Y3
hsa_circ_0004877 - ENSG00000085832; Con_5Y1,Con_5Y3
hsa_circ_00012742 - ENSG00000162601; Con_5Y1,Con_5Y3
hsa_circ_00012942 - ENSG00000118454; Con_5Y1,Con_5Y3
hsa_circ_0003762 + ENSG00000086061; Con_5Y1,Con_5Y3
hsa_circ_00087248 + ENSG00000197969; Con_5Y1,Con_5Y3
hsa_circ_0008577 + ENSG00000158079; Con_5Y1,Con_5Y3
novel_circ_0002873 + ENSG00000121741; Con_5Y1,Con_5Y3
novel_circ_0002640 + ENSG00000166228; Con_5Y1,Con_5Y3
novel_circ_0002775 + ENSG00000139350; Con_5Y1,Con_5Y3
novel_circ_0001315 + ENSG00000149100; Con_5Y1,Con_5Y3
novel_circ_0001670 - ENSG00000048649; Con_5Y1,Con_5Y3
novel_circ_0001766 + ENSG00000182919; ENSG00000138160; Con_5Y1,Con_5Y3
novel_circ_0000404 - ENSG00000241058; Con_5Y1,Con_5Y3
novel_circ_0000432 - n/a Con_5Y1,Con_5Y3
novel_circ_0000914 + ENSG00000138160; Con_5Y1,Con_5Y3
novel_circ_0000992 - ENSG00000107554; Con_5Y1,Con_5Y3
novel_circ_0005377 + ENSG00000007168; Con_5Y1,Con_5Y3
novel_circ_0005751 + ENSG000000261879; Con_5Y1,Con_5Y3
novel_circ_0006011 + ENSG00000141337; Con_5Y1,Con_5Y3
novel_circ_0005113 - ENSG00000153774; Con_5Y1,Con_5Y3
novel_circ_0005114 - ENSG00000153774; Con_5Y1,Con_5Y3
novel_circ_0003526 + ENSG00000258526; Con_5Y1,Con_5Y3
novel_circ_0003889 + ENSG00000066455; Con_5Y1,Con_5Y3
novel_circ_0009389 - ENSG00000101126; Con_5Y1,Con_5Y3
novel_circ_0016102 - ENSG00000133624; Con_5Y1,Con_5Y3
novel_circ_0016674 - ENSG00000003147; Con_5Y1,Con_5Y3
novel_circ_0014116 + ENSG00000113522; ENSG00000283782; Con_5Y1,Con_5Y3
novel_circ_0014153 + ENSG00000145833; Con_5Y1,Con_5Y3
novel_circ_0013627 - ENSG00000121892; Con_5Y1,Con_5Y3
novel_circ_0013675 - ENSG00000145220; Con_5Y1,Con_5Y3
novel_circ_0013730 + ENSG00000145216; ENSG00000282278; Con_5Y1,Con_5Y3
novel_circ_0011906 + ENSG00000065485; Con_5Y1,Con_5Y3
novel_circ_0012254 - ENSG00000154310; Con_5Y1,Con_5Y3
novel_circ_0010028 + ENSG00000170417; Con_5Y1,Con_5Y3
novel_circ_0010170 - ENSG00000144223; Con_5Y1,Con_5Y3
novel_circ_0010231 + ENSG00000144224; Con_5Y1,Con_5Y3
novel_circ_0010666 + ENSG00000144426; Con_5Y1,Con_5Y3
novel_circ_0010897 + ENSG00000204120; Con_5Y1,Con_5Y3
novel_circ_0007300 + n/a Con_5Y1,Con_5Y3
novel_circ_0007437 - ENSG00000116539; Con_5Y1,Con_5Y3
novel_circ_0007542 - ENSG00000215908; Con_5Y1,Con_5Y3
novel_circ_0007739 + ENSG00000132849; Con_5Y1,Con_5Y3
novel_circ_0008742 + ENSG00000156787; Con_5Y1,Con_5Y3
hsa_circ_0002724 - ENSG00000086758; Con_5Y2
hsa_circ_0091092 - ENSG00000085224; Con_5Y2
hsa_circ_0004790 - ENSG00000185989; Con_5Y2
hsa_circ_0000465 + ENSG00000121741; Con_5Y2
hsa_circ_0008007 - ENSG00000132953; Con_5Y2
hsa_circ_00029684 - ENSG00000132953; Con_5Y2
hsa_circ_0005874 + ENSG00000132952; Con_5Y2
hsa_circ_0029929 + ENSG00000139618; Con_5Y2
hsa_circ_00030200 + ENSG00000136141; Con_5Y2
hsa_circ_00030340 - ENSG00000136100; Con_5Y2
hsa_circ_00030425 - ENSG00000136111; Con_5Y2
hsa_circ_00030547 + ENSG00000102471; Con_5Y2
hsa_circ_00027905 - ENSG00000111670; Con_5Y2
hsa_circ_00028048 - ENSG00000110851; Con_5Y2
hsa_circ_00028608 + ENSG00000174989; Con_5Y2
hsa_circ_0003902 - ENSG00000122966; Con_5Y2
hsa_circ_0006615 - ENSG00000051825; Con_5Y2
hsa_circ_000424 - ENSG00000196498; Con_5Y2
hsa_circ_0024996 + ENSG00000082805; Con_5Y2
hsa_circ_0004021 + ENSG00000185684; Con_5Y2
hsa_circ_00025850 + ENSG00000087470; Con_5Y2
hsa_circ_0006018 + ENSG00000189079; Con_5Y2
hsa_circ_00027471 + ENSG00000111581; Con_5Y2
hsa_circ_00027478 + ENSG00000111581; Con_5Y2
hsa_circ_00027479 + ENSG00000111581; Con_5Y2
hsa_circ_0000424 - ENSG00000058272; Con_5Y2
hsa_circ_0003251 + ENSG00000060237; Con_5Y2
| CircRNA ID   | Strand | Gene ID       | Con_5Y2    |
|-------------|--------|---------------|------------|
| hsa_circ_0024986 | -      | ENSG0000002016 | Con_5Y2    |
| hsa_circ_0024477 | +      | ENSG00000095139 | Con_5Y2    |
| hsa_circ_0003015 | +      | ENSG00000187079 | Con_5Y2    |
| hsa_circ_0024917 | -      | ENSG000000151503 | Con_5Y2    |
| hsa_circ_0021386 | -      | ENSG00000011405 | Con_5Y2    |
| hsa_circ_0000279 | -      | ENSG00000110756 | Con_5Y2    |
| hsa_circ_0021572 | +      | ENSG00000060749 | Con_5Y2    |
| hsa_circ_0020917 | -      | ENSG00000110713 | Con_5Y2    |
| hsa_circ_0021929 | -      | ENSG00000175216 | Con_5Y2    |
| hsa_circ_0020250 | -      | ENSG00000107669 | Con_5Y2    |
| hsa_circ_0020310 | +      | ENSG00000107902 | Con_5Y2    |
| hsa_circ_0020311 | +      | ENSG00000107902 | Con_5Y2    |
| hsa_circ_0007825 | -      | ENSG00000258539 | Con_5Y2    |
| hsa_circ_0001963 | +      | ENSG00000148459 | Con_5Y2    |
| hsa_circ_0018019 | -      | ENSG00000107890 | Con_5Y2    |
| hsa_circ_0000745 | +      | ENSG00000074266 | Con_5Y2    |
| hsa_circ_0022052 | +      | ENSG00000148737 | Con_5Y2    |
| hsa_circ_0020250 | -      | ENSG00000107669 | Con_5Y2    |
| hsa_circ_0020310 | +      | ENSG00000107902 | Con_5Y2    |
| hsa_circ_0020311 | +      | ENSG00000107902 | Con_5Y2    |
| hsa_circ_0007825 | -      | ENSG00000258539 | Con_5Y2    |
| hsa_circ_0020460 | +      | ENSG00000150760 | Con_5Y2    |
| hsa_circ_0001963 | +      | ENSG00000148459 | Con_5Y2    |
| hsa_circ_0018019 | -      | ENSG00000107890 | Con_5Y2    |
| hsa_circ_0000514 | -      | ENSG00000171988 | Con_5Y2    |
| hsa_circ_0018761 | +      | ENSG00000156026 | Con_5Y2    |
| hsa_circ_0018887 | +      | ENSG00000035403 | Con_5Y2    |
| hsa_circ_0020900 | -      | ENSG00000062650 | Con_5Y2    |
| hsa_circ_0001900 | -      | ENSG00000107890 | Con_5Y2    |
| hsa_circ_0000732 | -      | ENSG00000074660 | Con_5Y2    |
| hsa_circ_0042419 | -      | ENSG00000108599 | Con_5Y2    |
| hsa_circ_0042426 | +      | ENSG00000128487 | Con_5Y2    |
| hsa_circ_0004192 | -      | ENSG00000070366 | Con_5Y2    |
| hsa_circ_0042838 | +      | ENSG00000108582 | Con_5Y2    |
| hsa_circ_0042888 | +      | ENSG00000196712 | Con_5Y2    |
| hsa_circ_0043333 | +      | ENSG000000274211 | Con_5Y2    |
| hsa_circ_0043462 | +      | ENSG00000141736 | Con_5Y2    |
| hsa_circ_0002899 | -      | ENSG00000074755 | Con_5Y2    |
| hsa_circ_0041551 | -      | ENSG00000185722 | Con_5Y2    |
| hsa_circ_0008601 | -      | ENSG00000108883 | Con_5Y2    |
| hsa_circ_0044836 | +      | ENSG00000153982 | Con_5Y2    |
| hsa_circ_0045047 | -      | ENSG00000108506 | Con_5Y2    |
| hsa_circ_0045409 | -      | ENSG00000198265 | Con_5Y2    |
| hsa_circ_0045462 | +      | ENSG00000171634 | Con_5Y2    |
| hsa_circ_0008557 | -      | ENSG00000161533 | Con_5Y2    |
| hsa_circ_0008891 | +      | ENSG00000163597 | Con_5Y2    |
| hsa_circ_0006122 | +      | ENSG00000141519 | Con_5Y2    |
| hsa_circ_0046131 | -      | ENSG00000157637 | Con_5Y2    |
| hsa_circ_0006462 | -      | ENSG00000182446 | Con_5Y2    |
| hsa_circ_0002445 | -      | ENSG00000059145 | Con_5Y2    |
| hsa_circ_0038063 | +      | ENSG00000072864 | Con_5Y2    |
| hsa_circ_0038247 | -      | ENSG00000157106 | Con_5Y2    |
| hsa_circ_0038748 | -      | ENSG00000077235 | Con_5Y2    |
| Gene Symbol | Ensembl ID | Description |
|-------------|------------|-------------|
| hsa_circ_0063153 | ENSG00000100345; | Con_5Y2 |
| hsa_circ_0001230 | ENSG00000100201; | Con_5Y2 |
| hsa_circ_0063605 | ENSG00000100147; | Con_5Y2 |
| hsa_circ_0001243 | n/a | Con_5Y2 |
| hsa_circ_0001230 | ENSG00000025293; | Con_5Y2 |
| hsa_circ_0001243 | n/a | Con_5Y2 |
| hsa_circ_0007050 | ENSG00000132792; | Con_5Y2 |
| hsa_circ_0060456 | ENSG00000101057; | Con_5Y2 |
| hsa_circ_0002615 | ENSG00000132824; | Con_5Y2 |
| hsa_circ_0060516 | ENSG00000124207; | Con_5Y2 |
| hsa_circ_0059365 | ENSG00000089057; | Con_5Y2 |
| hsa_circ_0060730 | ENSG00000124207; | Con_5Y2 |
| hsa_circ_0002536 | ENSG00000124207; | Con_5Y2 |
| hsa_circ_0009105 | ENSG00000125885; | Con_5Y2 |
| hsa_circ_0006854 | ENSG00000130699; | Con_5Y2 |
| hsa_circ_0008725 | ENSG00000159128; | Con_5Y2 |
| hsa_circ_0061757 | ENSG00000185658; | Con_5Y2 |
| hsa_circ_0007126 | ENSG00000160294; | Con_5Y2 |
| hsa_circ_0007459 | ENSG00000157741; | Con_5Y2 |
| hsa_circ_0007782 | ENSG00000133612; | Con_5Y2 |
| hsa_circ_0005860 | ENSG000001286192;ENSG00000130699; | Con_5Y2 |
| hsa_circ_0004869 | ENSG00000106263; | Con_5Y2 |
| hsa_circ_0001956 | ENSG00000122547; | Con_5Y2 |
| hsa_circ_0079336 | ENSG00000160346; | Con_5Y2 |
| hsa_circ_0005619 | ENSG00000164301; | Con_5Y2 |
| hsa_circ_0079074 | ENSG00000146456; | Con_5Y2 |
| hsa_circ_0006991 | ENSG00000146456; | Con_5Y2 |
| hsa_circ_0007782 | ENSG00000146456; | Con_5Y2 |
| hsa_circ_0007781 | ENSG00000112282; | Con_5Y2 |
| hsa_circ_0005753 | ENSG0000010558; | Con_5Y2 |
| hsa_circ_0007820 | ENSG00000131013; | Con_5Y2 |
| hsa_circ_0007829 | ENSG00000120254; | Con_5Y2 |
| hsa_circ_0005472 | ENSG00000285441;ENSG00000130699; | Con_5Y2 |
| hsa_circ_0004662 | ENSG00000285441;ENSG00000130699; | Con_5Y2 |
| hsa_circ_00075805 | ENSG000001112242; | Con_5Y2 |
| hsa_circ_00076055 | ENSG00000065060; | Con_5Y2 |
| hsa_circ_00076056 | ENSG00000065060; | Con_5Y2 |
| hsa_circ_00076150 | ENSG00000099060; | Con_5Y2 |
| hsa_circ_0004035 | ENSG00000170734; | Con_5Y2 |
| hsa_circ_00075522 | ENSG000001153046; | Con_5Y2 |
| hsa_circ_00077416 | ENSG000001112234; | Con_5Y2 |
| hsa_circ_0006072 | ENSG00000151422; | Con_5Y2 |
| hsa_circ_0005631 | ENSG00000038382; | Con_5Y2 |
| hsa_circ_00071903 | ENSG00000038382; | Con_5Y2 |
| hsa_circ_00074665 | ENSG00000145907; | Con_5Y2 |
| hsa_circ_00074744 | ENSG00000082516; | Con_5Y2 |
| hsa_circ_0006386 | ENSG00000120137; | Con_5Y2 |
| hsa_circ_00075026 | ENSG00000072803; | Con_5Y2 |
| hsa_circ_00072056 | ENSG00000113360; | Con_5Y2 |
| hsa_circ_00072263 | ENSG00000113569; | Con_5Y2 |
| hsa_circ_00072629 | ENSG00000086200; | Con_5Y2 |
| hsa_circ_00072756 | ENSG00000145740; | Con_5Y2 |
| hsa_circ_00073131 | ENSG00000152413; | Con_5Y2 |
| hsa_circ_00073329 | ENSG00000164199; | Con_5Y2 |
novel_circ_0015198  +  ENSG00000120254;  Con_5Y2
novel_circ_0015251  +  ENSG00000175048;  Con_5Y2
novel_circ_0015294  -  ENSG00000092820;  Con_5Y2
novel_circ_0015327  +  ENSG00000130396;  Con_5Y2
novel_circ_0015335  +  ENSG00000130396;  Con_5Y2
novel_circ_0015402  +  ENSG00000250903;  Con_5Y2
novel_circ_0015437  -  ENSG00000204463;  Con_5Y2
novel_circ_0015447  +  ENSG00000258388; ENSG00000221988; Con_5Y2
novel_circ_0015449  -  ENSG00000137266;  Con_5Y2
novel_circ_0015450  -  ENSG00000137266;  Con_5Y2
novel_circ_0015477  -  ENSG00000096063;  Con_5Y2
novel_circ_0015492  -  ENSG00000112079;  Con_5Y2
novel_circ_0015499  +  ENSG00000112200;  Con_5Y2
novel_circ_0015563  +  ENSG00000186952;  Con_5Y2
novel_circ_00154068  +  ENSG00000151292;  Con_5Y2
novel_circ_0014185  -  ENSG00000094880;  Con_5Y2
novel_circ_0014233  +  ENSG00000254996; ENSG00000286169; Con_5Y2
novel_circ_0014291  +  ENSG00000091009; ENSG00000275740; Con_5Y2
novel_circ_0014298  +  ENSG00000154124;  Con_5Y2
novel_circ_0014334  +  ENSG00000155506;  Con_5Y2
novel_circ_0014336  +  ENSG00000155508;  Con_5Y2
novel_circ_0014370  -  ENSG00000145555;  Con_5Y2
novel_circ_0014553  +  ENSG00000063438; ENSG00000112851; Con_5Y2
novel_circ_0014687  +  ENSG00000164300;  Con_5Y2
novel_circ_0014910  -  ENSG00000109323;  Con_5Y2
novel_circ_00143117  -  ENSG00000138801;  Con_5Y2
novel_circ_00143201  +  ENSG00000164074;  Con_5Y2
novel_circ_0013231  -  n/a;  Con_5Y2
novel_circ_0013252  +  ENSG00000164134;  Con_5Y2
novel_circ_0013550  -  ENSG00000091490;  Con_5Y2
novel_circ_0013592  +  ENSG00000169851;  Con_5Y2
novel_circ_0013758  -  ENSG00000128059;  Con_5Y2
novel_circ_0013761  +  ENSG00000174780;  Con_5Y2
novel_circ_0013770  +  ENSG00000248049;  Con_5Y2
novel_circ_0013773  +  ENSG00000170871;  Con_5Y2
novel_circ_0013879  -  ENSG00000163312;  Con_5Y2
novel_circ_0013925  +  ENSG00000163104;  Con_5Y2
novel_circ_00111770  +  ENSG00000114354;  Con_5Y2
novel_circ_00111862  -  n/a;  Con_5Y2
novel_circ_0011884  -  ENSG00000051341;  Con_5Y2
novel_circ_0011898  -  ENSG00000114030;  Con_5Y2
novel_circ_0011966  -  ENSG00000175792;  Con_5Y2
novel_circ_0012018  -  ENSG00000163781;  Con_5Y2
novel_circ_0012024  -  ENSG00000163785;  Con_5Y2
novel_circ_0012034  -  ENSG00000118007;  Con_5Y2
novel_circ_0012122  -  ENSG00000071794;  Con_5Y2
novel_circ_0012123  -  ENSG00000071794;  Con_5Y2
novel_circ_0012124  -  ENSG00000071794;  Con_5Y2
novel_circ_0012149  +  ENSG00000144895;  Con_5Y2
novel_circ_0012225  -  n/a;  Con_5Y2
novel_circ_0012251  -  ENSG00000173889;  Con_5Y2
novel_circ_0012320  +  ENSG00000058056;  Con_5Y2
novel_circ_0012330  +  ENSG00000058063;  Con_5Y2
| CircRNA ID            | Orientation | Gene ID                  | Symbol       |
|----------------------|-------------|--------------------------|--------------|
| novel_circ_0012337   | -           | ENSG00000053524;         | Con_5Y2      |
| novel_circ_0012364   | +           | ENSG000000114867;        | Con_5Y2      |
| novel_circ_0012383   | +           | ENSG000000073803;        | Con_5Y2      |
| novel_circ_0012420   | -           | ENSG000000136357;        | Con_5Y2      |
| novel_circ_0012436   | -           | ENSG00000061938;         | Con_5Y2      |
| novel_circ_0012446   | +           | ENSG000000273331;ENSG00000151276; | Con_5Y2      |
| novel_circ_0012534   | -           | ENSG000000163513;        | Con_5Y2      |
| novel_circ_0012554   | +           | ENSG000000152642;        | Con_5Y2      |
| novel_circ_0012587   | +           | ENSG000000153551;        | Con_5Y2      |
| novel_circ_0012687   | +           | ENSG000000114857;        | Con_5Y2      |
| novel_circ_0012774   | -           | ENSG000000173473;        | Con_5Y2      |
| novel_circ_0012775   | -           | ENSG000000173473;        | Con_5Y2      |
| novel_circ_0012841   | +           | ENSG000000114353;        | Con_5Y2      |
| novel_circ_0012975   | -           | ENSG000000151276;        | Con_5Y2      |
| novel_circ_0013025   | -           | ENSG000000196220;ENSG00000151276; | Con_5Y2      |
| novel_circ_0013046   | +           | ENSG000000241553;        | Con_5Y2      |
| novel_circ_0010015   | -           | ENSG000000204634;        | Con_5Y2      |
| novel_circ_0010088   | -           | ENSG000000153107;        | Con_5Y2      |
| novel_circ_0010093   | +           | ENSG000000144152;        | Con_5Y2      |
| novel_circ_0010120   | +           | n/a                      | Con_5Y2      |
| novel_circ_0010121   | +           | ENSG000000088179;        | Con_5Y2      |
| novel_circ_0010258   | +           | ENSG000000080345;        | Con_5Y2      |
| novel_circ_0010270   | +           | ENSG000000080345;        | Con_5Y2      |
| novel_circ_0010357   | +           | ENSG000000136560;        | Con_5Y2      |
| novel_circ_0010432   | +           | ENSG000000115827;        | Con_5Y2      |
| novel_circ_0010493   | +           | ENSG000000138434;        | Con_5Y2      |
| novel_circ_0010502   | -           | ENSG000000061676;        | Con_5Y2      |
| novel_circ_0010508   | -           | ENSG000000061676;        | Con_5Y2      |
| novel_circ_0010610   | -           | ENSG000000115942;        | Con_5Y2      |
| novel_circ_0010678   | +           | ENSG000000138443;        | Con_5Y2      |
| novel_circ_0010795   | +           | ENSG000000239498;        | Con_5Y2      |
| novel_circ_0010826   | -           | ENSG000000036257;        | Con_5Y2      |
| novel_circ_0010876   | +           | ENSG000000135931;        | Con_5Y2      |
| novel_circ_0010892   | +           | ENSG000000204120;        | Con_5Y2      |
| novel_circ_0010913   | +           | ENSG000000119771;        | Con_5Y2      |
| novel_circ_0010966   | -           | ENSG000000122085;        | Con_5Y2      |
| novel_circ_0011031   | +           | ENSG000000115163;        | Con_5Y2      |
| novel_circ_0011055   | -           | ENSG000000171103;        | Con_5Y2      |
| novel_circ_0011147   | +           | ENSG000000115760;        | Con_5Y2      |
| novel_circ_0011184   | -           | ENSG000000115808;        | Con_5Y2      |
| novel_circ_0011191   | -           | ENSG000000055332;        | Con_5Y2      |
| novel_circ_0011206   | +           | ENSG000000232973;        | Con_5Y2      |
| novel_circ_0011227   | -           | ENSG000000011566;        | Con_5Y2      |
| novel_circ_0011400   | +           | ENSG000000162929;        | Con_5Y2      |
| novel_circ_0011412   | +           | ENSG000000173209;        | Con_5Y2      |
| novel_circ_0011425   | -           | ENSG000000115464;        | Con_5Y2      |
| novel_circ_0011453   | -           | ENSG000000082898;        | Con_5Y2      |
| novel_circ_0011474   | -           | ENSG000000082898;        | Con_5Y2      |
| novel_circ_0011564   | -           | ENSG000000115998;        | Con_5Y2      |
| novel_circ_0011650   | +           | ENSG000000168883;        | Con_5Y2      |
| novel_circ_0007190   | +           | ENSG000000130939;        | Con_5Y2      |
| novel_circ_0007461   | -           | ENSG000000116580;        | Con_5Y2      |
| novel_circ_0007462   | -           | ENSG000000116580;        | Con_5Y2      |
| novel_circ_0007466   | -           | ENSG000000116580;        | Con_5Y2      |
| novel_circ_0007486   | +           | ENSG000000197312;        | Con_5Y2      |
| novel_circ_0007531   | -           | ENSG000000248333;        | Con_5Y2      |
| novel_circ_0007535   | -           | ENSG000000143183;        | Con_5Y2      |
| Gene Symbol | Strain | Description |
|-------------|--------|-------------|
| novel_circ_0007586 | + | ENSG00000117523; Con_5Y2 |
| novel_circ_0007619 | - | ENSG00000135870; Con_5Y2 |
| novel_circ_0007663 | + | ENSG00000074964; Con_5Y2 |
| novel_circ_0007669 | + | ENSG00000186283; Con_5Y2 |
| novel_circ_0007802 | - | ENSG00000118193; Con_5Y2 |
| novel_circ_0007805 | - | ENSG00000118193; Con_5Y2 |
| novel_circ_0007920 | + | ENSG00000162769; Con_5Y2 |
| novel_circ_0007956 | - | ENSG00000090686; Con_5Y2 |
| novel_circ_0008000 | - | ENSG00000162923; Con_5Y2 |
| novel_circ_0008095 | - | ENSG000001160094; Con_5Y2 |
| novel_circ_0008177 | - | ENSG00000054267; Con_5Y2 |
| novel_circ_0008199 | + | ENSG00000116984; Con_5Y2 |
| novel_circ_0008413 | + | ENSG00000163877; Con_5Y2 |
| novel_circ_0008464 | - | ENSG00000090686; Con_5Y2 |
| novel_circ_0008653 | - | ENSG00000134709; Con_5Y2 |
| novel_circ_0008721 | + | ENSG00000134744; Con_5Y2 |
| novel_circ_0008748 | - | ENSG00000116237; Con_5Y2 |
| novel_circ_0008758 | - | ENSG00000162923; Con_5Y2 |
| novel_circ_0008797 | + | ENSG00000186283; Con_5Y2 |
| novel_circ_0008848 | - | ENSG00000186283; Con_5Y2 |
| novel_circ_0008994 | + | ENSG00000186283; Con_5Y2 |
| novel_circ_0017784 | + | ENSG00000116237; Con_5Y2 |
| novel_circ_0017792 | + | ENSG00000116237; Con_5Y2 |
| novel_circ_0017855 | - | ENSG00000116237; Con_5Y2 |
| novel_circ_0017911 | + | ENSG00000116237; Con_5Y2 |
| novel_circ_0017926 | - | ENSG00000116237; Con_5Y2 |
| novel_circ_0017947 | - | ENSG00000116237; Con_5Y2 |
| novel_circ_0018002 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018025 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018043 | - | ENSG00000130729; Con_5Y2 |
| novel_circ_0018053 | - | ENSG00000130729; Con_5Y2 |
| novel_circ_0018064 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018087 | - | ENSG00000130729; Con_5Y2 |
| novel_circ_0018090 | - | ENSG00000130729; Con_5Y2 |
| novel_circ_0018104 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018119 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018305 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018343 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018365 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018368 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018369 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018406 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018496 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018504 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018545 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0018583 | + | ENSG00000130729; Con_5Y2 |
| novel_circ_0016800 | - | ENSG00000034677; Con_5Y2 |
| novel_circ_0016921 | - | ENSG00000136982; Con_5Y2 |
| novel_circ_0017036 | + | ENSG00000120158; Con_5Y2 |
| novel_circ_0017071 | - | ENSG00000120158; Con_5Y2 |
| novel_circ_0017132 | - | ENSG00000120158; Con_5Y2 |
| novel_circ_0017144 | + | ENSG00000120158; Con_5Y2 |
| novel_circ_0017205 | + | ENSG00000120158; Con_5Y2 |
| novel_circ_0017215 | + | ENSG00000120158; Con_5Y2 |
| novel_circ_0017245 | + | ENSG00000120158; Con_5Y2 |
| novel_circ_0017266 | - | ENSG00000120158; Con_5Y2 |
| novel_circ_0017277 | - | ENSG00000120158; Con_5Y2 |
| novel_circ_0017313 | - | ENSG00000120158; Con_5Y2 |
novel_circ_0017435 - ENSG00000023287; Con_5Y2
novel_circ_0017457 - n/a Con_5Y2
novel_circ_0017490 + ENSG00000066855; Con_5Y2
novel_circ_0017521 + ENSG000000104218; Con_5Y2
novel_circ_0017557 + ENSG00000121039; Con_5Y2
novel_circ_0017565 + ENSG00000104381; Con_5Y2
novel_circ_0017599 + ENSG00000085719; Con_5Y2
novel_circ_0017658 - ENSG00000265817; ENSG00000197275; Con_5Y2
novel_circ_0017659 - ENSG00000265817; ENSG00000197275; Con_5Y2
novel_circ_0017672 + ENSG00000104413; Con_5Y2
novel_circ_0017684 + ENSG00000156170; Con_5Y2
hsa_circ_0000503 + ENSG00000102606; Con_5Y2, Con_5Y3
hsa_circ_0003852 - ENSG00000150456; Con_5Y2, Con_5Y3
hsa_circ_0004627 + ENSG00000120800; Con_5Y2, Con_5Y3
hsa_circ_0005824 - ENSG00000064115; Con_5Y2, Con_5Y3
hsa_circ_0024470 - ENSG00000118096; Con_5Y2, Con_5Y3
hsa_circ_0002294 - ENSG00000110367; Con_5Y2, Con_5Y3
hsa_circ_0003852 - ENSG00000110075; Con_5Y2, Con_5Y3
hsa_circ_0004627 + ENSG00000120800; Con_5Y2, Con_5Y3
hsa_circ_0017476 + ENSG00000148459; Con_5Y2, Con_5Y3
hsa_circ_0018600 + ENSG00000120800; Con_5Y2, Con_5Y3
hsa_circ_0000247 + ENSG00000156026; Con_5Y2, Con_5Y3
hsa_circ_0006964 - ENSG00000131747; Con_5Y2, Con_5Y3
hsa_circ_00006964 - ENSG00000131747; Con_5Y2, Con_5Y3
hsa_circ_0004627 + ENSG00000120800; Con_5Y2, Con_5Y3
hsa_circ_0004627 + ENSG00000120800; Con_5Y2, Con_5Y3
hsa_circ_0000247 + ENSG00000156026; Con_5Y2, Con_5Y3
hsa_circ_0000247 + ENSG00000156026; Con_5Y2, Con_5Y3
hsa_circ_0000247 + ENSG00000156026; Con_5Y2, Con_5Y3
hsa_circ_0006761 + ENSG00000131747; Con_5Y2, Con_5Y3
| Gene Symbol | Details | Location |
|-------------|---------|----------|
| hsa_circ_0090360 | - | ENSG00000065923; Con_5Y3 |
| hsa_circ_0002532 | + | n/a; Con_5Y3 |
| hsa_circ_0008420 | + | ENSG000000175198; Con_5Y3 |
| hsa_circ_0029617 | - | ENSG000000121390; Con_5Y3 |
| hsa_circ_0030585 | - | ENSG000000125257; Con_5Y3 |
| hsa_circ_0002349 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0002957 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0029146 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0029160 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0029463 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0025582 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0025705 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0025304 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0025783 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0026276 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0027352 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0020914 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0004637 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0003555 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0004988 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0023059 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0008648 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0019614 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0019764 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0020150 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0000267 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0004583 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017555 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017599 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017605 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0000350 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00019614 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00019764 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00020150 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0000267 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0004583 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017555 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017599 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017605 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0000350 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00019614 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00019764 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00020150 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0000267 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0004583 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017555 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017599 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017605 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0000350 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00019614 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00019764 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00020150 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0000267 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0004583 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017555 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017599 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0017605 | + | ENSG000000120860; Con_5Y3 |
| hsa_circ_0000350 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00019614 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00019764 | - | ENSG000000120860; Con_5Y3 |
| hsa_circ_00020150 | - | ENSG000000120860; Con_5Y3 |
hsa_circ_0075705  -  ENSG00000124789;  Con_5Y3
hsa_circ_0075456  +  ENSG00000124535;  Con_5Y3
hsa_circ_0003886  +  ENSG00000137275;  Con_5Y3
hsa_circ_0077141  -  ENSG00000146247;  Con_5Y3
hsa_circ_0077237  -  ENSG00000135317;  Con_5Y3
hsa_circ_0075356  +  ENSG00000113300;  Con_5Y3
hsa_circ_0072282  -  ENSG00000113569;  Con_5Y3
hsa_circ_0002121  -  ENSG00000083720;  Con_5Y3
hsa_circ_0072925  +  ENSG00000083312;  Con_5Y3
hsa_circ_0007662  +  ENSG00000164134;  Con_5Y3
hsa_circ_0071279  +  ENSG00000121210;  Con_5Y3
hsa_circ_0071311  +  ENSG00000109762;  Con_5Y3
hsa_circ_0068890  +  ENSG00000068784;  Con_5Y3
hsa_circ_0066636  +  ENSG00000036054;  Con_5Y3
hsa_circ_0066970  +  ENSG00000145088;  Con_5Y3
hsa_circ_0005028  +  ENSG00000154743;  Con_5Y3
hsa_circ_0004046  +  ENSG00000177463;  Con_5Y3
hsa_circ_0065263  -  ENSG00000173473;  Con_5Y3
hsa_circ_0067835  -  ENSG00000164080;  Con_5Y3
hsa_circ_0003747  +  ENSG00000138380;  Con_5Y3
hsa_circ_0003777  -  ENSG00000127481;  Con_5Y3
hsa_circ_0000970  +  ENSG00000115652;  Con_5Y3
hsa_circ_0086645 + ENSG00000086102; Con_5Y3
hsa_circ_0005739 + ENSG000000136938; Con_5Y3
hsa_circ_0001818 - ENSG000000104517; Con_5Y3
hsa_circ_0001825 - ENSG00000066827; Con_5Y3
hsa_circ_0085703 - ENSG000000167632; Con_5Y3
hsa_circ_0083258 + ENSG000000283239; ENSG00000104728; Con_5Y3
novel_circ_0018624 - ENSG00000133131; Con_5Y3
novel_circ_0018757 + ENSG00000086712; Con_5Y3
novel_circ_0018832 - ENSG00000069509; Con_5Y3
novel_circ_0018855 - ENSG00000072501; Con_5Y3
novel_circ_0003110 - ENSG00000102753; Con_5Y3
novel_circ_0001805 - n/a Con_5Y3
novel_circ_0001830 + ENSG00000136048; Con_5Y3
novel_circ_0001995 - ENSG00000173064; Con_5Y3
novel_circ_0002031 - ENSG00000111412; Con_5Y3
novel_circ_0002079 + ENSG00000130783; Con_5Y3
novel_circ_0002128 + ENSG00000130783; Con_5Y3
novel_circ_0002129 + ENSG00000130783; Con_5Y3
novel_circ_0002130 + ENSG00000130783; Con_5Y3
novel_circ_0002134 - n/a Con_5Y3
novel_circ_0002272 + ENSG00000111726; Con_5Y3
novel_circ_0002443 + ENSG00000152556; Con_5Y3
novel_circ_0002446 - ENSG00000174233; Con_5Y3
novel_circ_0002484 + ENSG00000161813; Con_5Y3
novel_circ_0002519 + ENSG00000256417; Con_5Y3
novel_circ_0002610 + n/a Con_5Y3
novel_circ_0001043 - ENSG00000110321; Con_5Y3
novel_circ_0001091 + ENSG00000170145; Con_5Y3
novel_circ_0001270 - ENSG00000151116; Con_5Y3
novel_circ_0001292 - ENSG00000121621; Con_5Y3
novel_circ_0001308 - ENSG00000205531; Con_5Y3
novel_circ_0001359 + ENSG00000060339; Con_5Y3
novel_circ_0001471 - ENSG00000156110; Con_5Y3
novel_circ_0001487 + ENSG00000131148; Con_5Y3
novel_circ_0014365  +  ENSG00000113328;  Con_5Y3
novel_circ_0014490  -  ENSG00000113360;  Con_5Y3
novel_circ_0014610  +  ENSG00000039123;  Con_5Y3
novel_circ_0014615  -  ENSG00000134352;  Con_5Y3
novel_circ_0014659  +  ENSG00000112877;  Con_5Y3
novel_circ_0014673  +  ENSG00000113597;  Con_5Y3
novel_circ_0014754  -  ENSG00000198780;  Con_5Y3
novel_circ_0014785  -  ENSG00000132842;  Con_5Y3
novel_circ_0014797  -  ENSG00000132837;  Con_5Y3
novel_circ_0014828  +  ENSG00000113318;  Con_5Y3
novel_circ_0014876  -  ENSG00000113391;  Con_5Y3
novel_circ_0013087  -  ENSG00000109323;  Con_5Y3
novel_circ_0013198  -  ENSG00000164073;  Con_5Y3
novel_circ_0013239  +  ENSG00000163945;  Con_5Y3
novel_circ_0013392  -  ENSG00000138758;  Con_5Y3
novel_circ_0013478  -  ENSG00000113360;  Con_5Y3
novel_circ_0013551  -  ENSG00000113391;  Con_5Y3
novel_circ_0013830  +  ENSG00000118816;  Con_5Y3
novel_circ_0013838  -  ENSG00000114354;  Con_5Y3
novel_circ_0011771  +  ENSG00000197548;  Con_5Y3
novel_circ_0011824  -  ENSG00000051341;  Con_5Y3
novel_circ_00112070  -  ENSG00000114107;  Con_5Y3
novel_circ_0012205  +  ENSG00000168827;  Con_5Y3
novel_circ_0012214  +  ENSG00000113391;  Con_5Y3
novel_circ_0012240  -  ENSG00000173889;  Con_5Y3
novel_circ_0012462  +  ENSG00000180370;  Con_5Y3
novel_circ_0012600  +  ENSG00000182973;  Con_5Y3
novel_circ_0012670  +  ENSG00000114742;  Con_5Y3
novel_circ_0012683  -  ENSG00000168038;  Con_5Y3
novel_circ_0012911  +  ENSG000000091490;  Con_5Y3
novel_circ_0012976  -  ENSG00000074054;  Con_5Y3
novel_circ_0010147  -  ENSG00000119772;  Con_5Y3
novel_circ_0010631  +  ENSG00000084676;  Con_5Y3
novel_circ_001010631  +  ENSG00000055044;  Con_5Y3
novel_circ_001010781  +  ENSG00000053625;  Con_5Y3
novel_circ_001010832  -  ENSG00000153827;  Con_5Y3
novel_circ_001010852  -  ENSG000000119778;  Con_5Y3
novel_circ_001010921  +  ENSG000000119772;  Con_5Y3
novel_circ_001010996  +  ENSG000000119778;  Con_5Y3
novel_circ_001011010  +  ENSG000000119772;  Con_5Y3
novel_circ_001011242  +  ENSG00000057935;  Con_5Y3
novel_circ_001011354  +  ENSG00000162869;  Con_5Y3
novel_circ_001011521  +  ENSG00000169764;  Con_5Y3
novel_circ_001011659  +  ENSG00000132305;  Con_5Y3
novel_circ_001011740  -  ENSG00000135951;  Con_5Y3
novel_circ_0007396  +  ENSG000000142621;  Con_5Y3
novel_circ_0007628  +  ENSG000000152061;  Con_5Y3
novel_circ_0007678  +  ENSG00000057252;  Con_5Y3
novel_circ_0007768  +  ENSG000000116747;  Con_5Y3
novel_circ_0007769  +  ENSG000000134371;  Con_5Y3
novel_circ_0007828  +  ENSG00000077157;  Con_5Y3
novel_circ_0008011  +  ENSG00000185842;  Con_5Y3
novel_circ_0008104  +  ENSG00000004487;  Con_5Y3
novel_circ_0008293  -  ENSG00000117614;  Con_5Y3
novel_circ_0008327  +  ENSG00000204138;  Con_5Y3
novel_circ_0008368  -  ENSG00000134644;  Con_5Y3
novel_circ_0008446  -  ENSG00000162591;  Con_5Y3
novel_circ_0008497  +  ENSG00000084073;  Con_5Y3
novel_circ_0008794  +  ENSG00000198160;  Con_5Y3
novel_circ_0008987  -  ENSG00000067208;  Con_5Y3
novel_circ_0017888  -  ENSG00000119396;  Con_5Y3
novel_circ_0017913  +  ENSG00000011454;  Con_5Y3
novel_circ_0017138  -  ENSG00000254812;  Con_5Y3
novel_circ_0017176  +  ENSG00000155975;  Con_5Y3
novel_circ_0017232  +  ENSG00000147454;  Con_5Y3
novel_circ_0017270  +  ENSG00000147421;  Con_5Y3
novel_circ_0017424  +  ENSG00000169139;  Con_5Y3
hsa_circ_0089978  -  ENSG00000102098;  CVB5_5Y1
hsa_circ_0090183  +  ENSG00000250349;ENSG00000130962;  CVB5_5Y1
hsa_circ_0091113  -  ENSG00000102158;  CVB5_5Y1
hsa_circ_0008744  +  ENSG00000134900;  CVB5_5Y1
hsa_circ_0030065  +  ENSG00000172766;  CVB5_5Y1
hsa_circ_0004676  +  ENSG00000181192;  CVB5_5Y1
hsa_circ_0020022  +  ENSG00000108055;  CVB5_5Y1
hsa_circ_0004476  +  ENSG00000181192;  CVB5_5Y1
| Gene Symbol       | Transcript ID | Type  | Symbol | Ensembl ID | Symbol | Ensembl ID |
|------------------|---------------|-------|--------|------------|--------|------------|
| novel_circ_0005991 | -             |       |        | ENSG00000198265; | CVB5_5Y1 |
| novel_circ_0006048 | +             |       |        | ENSG00000125450; | CVB5_5Y1 |
| novel_circ_0006051 | +             |       |        | ENSG00000073350; | CVB5_5Y1 |
| novel_circ_0006054 | -             |       |        | ENSG00000108469; | CVB5_5Y1 |
| novel_circ_0006149 | +             |       |        | ENSG00000185298; | CVB5_5Y1 |
| novel_circ_0006168 | -             |       |        | ENSG00000176155; | CVB5_5Y1 |
| novel_circ_0004627 | -             |       |        | ENSG00000059145; | CVB5_5Y1 |
| novel_circ_0004639 | +             |       |        | ENSG00000103429; | CVB5_5Y1 |
| novel_circ_0004715 | -             |       |        | ENSG00000007392; | CVB5_5Y1 |
| novel_circ_0004720 | +             |       |        | ENSG00000102897; | CVB5_5Y1 |
| novel_circ_0004753 | -             |       |        | ENSG00000083093; | CVB5_5Y1 |
| novel_circ_0004866 | -             |       |        | ENSG00000069345; | CVB5_5Y1 |
| novel_circ_0004125 | +             |       |        | ENSG00000104131; | CVB5_5Y1 |
| novel_circ_0004135 | +             |       |        | ENSG00000171763; | CVB5_5Y1 |
| novel_circ_0004142 | -             |       |        | ENSG00000047346; | CVB5_5Y1 |
| novel_circ_0004422 | -             |       |        | ENSG00000260269; | CVB5_5Y1 |
| novel_circ_0004477 | +             |       |        | ENSG00000166557; | CVB5_5Y1 |
| novel_circ_0003357 | +             |       |        | ENSG00000126214; | CVB5_5Y1 |
| novel_circ_0003615 | -             |       |        | ENSG00000237356; | CVB5_5Y1 |
| novel_circ_0003762 | +             |       |        | ENSG00000119707; | CVB5_5Y1 |
| novel_circ_0003851 | +             |       |        | ENSG00000100722; | CVB5_5Y1 |
| novel_circ_0003869 | -             |       |        | ENSG00000197933; | CVB5_5Y1 |
| novel_circ_0006712 | +             |       |        | ENSG00000104957; | CVB5_5Y1 |
| novel_circ_0006731 | -             |       |        | ENSG00000141867; | CVB5_5Y1 |
| novel_circ_0006820 | -             |       |        | ENSG00000176619; | CVB5_5Y1 |
| novel_circ_0007070 | -             |       |        | ENSG00000105426; | CVB5_5Y1 |
| novel_circ_0007092 | -             |       |        | ENSG00000105048; | CVB5_5Y1 |
| novel_circ_0007148 | +             |       | n/a    |           | CVB5_5Y1 |
| novel_circ_0007149 | -             |       |        | ENSG00000142449; | CVB5_5Y1 |
| novel_circ_0006581 | +             |       |        | ENSG00000130856; | CVB5_5Y1 |
| novel_circ_0009735 | +             |       |        | ENSG00000099991; | CVB5_5Y1 |
| novel_circ_0009836 | -             |       |        | ENSG00000233080; | CVB5_5Y1 |
| novel_circ_0009847 | -             |       |        | ENSG00000100065; | CVB5_5Y1 |
| novel_circ_0009873 | +             |       |        | ENSG00000100226; | CVB5_5Y1 |
| novel_circ_0009884 | +             |       |        | ENSG00000284431; | CVB5_5Y1 |
| novel_circ_0009989 | +             |       |        | ENSG00000224271; | CVB5_5Y1 |
| novel_circ_0009128 | -             |       |        | ENSG00000282826; | CVB5_5Y1 |
| novel_circ_0009459 | +             |       |        | ENSG00000101187; | CVB5_5Y1 |
| novel_circ_0009470 | -             |       |        | ENSG00000101210; | CVB5_5Y1 |
| novel_circ_0009490 | +             |       |        | ENSG00000155313; | CVB5_5Y1 |
| novel_circ_0009673 | -             |       |        | ENSG00000160294; | CVB5_5Y1 |
| novel_circ_0015832 | -             |       |        | ENSG00000106397; | CVB5_5Y1 |
| novel_circ_0015851 | -             |       |        | ENSG00000161040; | CVB5_5Y1 |
| novel_circ_0016035 | +             |       |        | ENSG00000155561; | CVB5_5Y1 |
| novel_circ_0016087 | +             |       |        | ENSG00000055130; | CVB5_5Y1 |
| novel_circ_0016245 | -             |       |        | ENSG00000286192; | CVB5_5Y1 |
| novel_circ_0016620 | -             |       |        | ENSG00000127952; | CVB5_5Y1 |
| novel_circ_0014964 | -             |       |        | ENSG00000025796; | CVB5_5Y1 |
| novel_circ_0014974 | +             |       |        | ENSG00000153157; | CVB5_5Y1 |
| novel_circ_0015073 | -             |       |        | ENSG00000152894; | CVB5_5Y1 |
| novel_circ_0015218 | -             |       |        | ENSG00000155906; | CVB5_5Y1 |
| novel_circ_0015290 | +             |       |        | ENSG00000164674; | CVB5_5Y1 |
| novel_circ_0015329 | +             |       |        | ENSG00000130396; | CVB5_5Y1 |
| novel_circ_0015357 | +             |       |        | ENSG00000112584; | CVB5_5Y1 |
| novel_circ_0015485 | -             |       |        | ENSG00000246982; | CVB5_5Y1 |
| novel_circ_0015488 | +             |       |        | ENSG00000112078; | CVB5_5Y1 |
novel_circ_0015576 - ENSG00000001084; CVB5_5Y1
novel_circ_0015606 + ENSG00000112208; CVB5_5Y1
novel_circ_0015616 + ENSG00000145982; CVB5_5Y1
novel_circ_0015655 - ENSG00000119899; CVB5_5Y1
novel_circ_0015799 - ENSG00000132423; CVB5_5Y1
novel_circ_0013979 + ENSG00000164236; CVB5_5Y1
novel_circ_0014024 + ENSG00000047188; CVB5_5Y1
novel_circ_0014152 + ENSG00000145833; CVB5_5Y1
novel_circ_00141456 + ENSG00000132570; CVB5_5Y1
novel_circ_00141460 + ENSG00000132570; CVB5_5Y1
novel_circ_00144423 + ENSG00000165671; CVB5_5Y1
novel_circ_00144428 + ENSG00000197451; CVB5_5Y1
novel_circ_00144566 + ENSG00000172262; CVB5_5Y1
novel_circ_00144648 + ENSG00000086200; CVB5_5Y1
novel_circ_0014487 + ENSG00000152348; CVB5_5Y1
novel_circ_00144866 + ENSG00000071539; CVB5_5Y1
novel_circ_0013082 - ENSG00000109323; CVB5_5Y1
novel_circ_0013090 - ENSG00000164038; CVB5_5Y1
novel_circ_0013343 - ENSG00000198589; CVB5_5Y1
novel_circ_0013623 - ENSG00000109814; CVB5_5Y1
novel_circ_0014648 + ENSG00000174738; CVB5_5Y1
novel_circ_0014847 + ENSG00000152348; CVB5_5Y1
novel_circ_0014866 + ENSG00000071539; CVB5_5Y1

| Gene Symbol       | Chromosome | Gene Accession | Experiment Details |
|-------------------|------------|----------------|--------------------|
| novel_circ_0002891| +          | ENSG00000032742; | CVB5_S1,Con_S1     |
| novel_circ_0003213| -          | ENSG000000125257; | CVB5_S1,Con_S1     |
| novel_circ_0002127| +          | ENSG000000130783; | CVB5_S1,Con_S1     |
| novel_circ_0001342| -          | ENSG000000166016; | CVB5_S1,Con_S1     |
| novel_circ_0001447| +          | ENSG000000030066; | CVB5_S1,Con_S1     |
| novel_circ_0001537| +          | ENSG000000173715; | CVB5_S1,Con_S1     |
| novel_circ_0000509| -          | ENSG000000165322; | CVB5_S1,Con_S1     |
| novel_circ_0000514| -          | ENSG000000138119; | CVB5_S1,Con_S1     |
| novel_circ_0000473| -          | ENSG000000167969; | CVB5_S1,Con_S1     |
| novel_circ_00006650| +          | ENSG000000065989; | CVB5_S1,Con_S1     |
| novel_circ_00007024| +          | ENSG000000105355; | CVB5_S1,Con_S1     |
| novel_circ_00009479| +          | ENSG000000101161; | CVB5_S1,Con_S1     |
| novel_circ_000116651| +        | ENSG000000187257; | CVB5_S1,Con_S1     |
| novel_circ_00013579| +          | n/a             | CVB5_S1,Con_S1     |
| novel_circ_00012456| -          | ENSG000000163961; | CVB5_S1,Con_S1     |
| novel_circ_00012714| -          | ENSG000000163814; | CVB5_S1,Con_S1     |
| novel_circ_00010820| -          | ENSG000000152056; | CVB5_S1,Con_S1     |
| novel_circ_00011118| +          | ENSG000000115760; | CVB5_S1,Con_S1     |
| novel_circ_00011258| -          | ENSG000000115970; | CVB5_S1,Con_S1     |
| novel_circ_00011265| +          | ENSG000000152527; | CVB5_S1,Con_S1     |
| novel_circ_00007287| +          | ENSG000000198162; | CVB5_S1,Con_S1     |
| novel_circ_00008251| -          | ENSG000000153187; | CVB5_S1,Con_S1     |
| novel_circ_00008795| +          | ENSG000000198160; | CVB5_S1,Con_S1     |
| novel_circ_00017890| +          | ENSG000000136848; | CVB5_S1,Con_S1     |
| novel_circ_00018139| +          | ENSG000000044459; | CVB5_S1,Con_S1     |
| novel_circ_00018322| +          | ENSG000000137054; | CVB5_S1,Con_S1     |
| novel_circ_00016858| -          | ENSG000000164933; | CVB5_S1,Con_S1     |
| novel_circ_00017307| -          | ENSG000000172728; | CVB5_S1,Con_S1     |
| hsa_circ_0005534| +          | ENSG000000082805; | CVB5_S1,Con_S1     |
| hsa_circ_0024251| +          | ENSG000000178105; | CVB5_S1,Con_S1     |
| hsa_circ_0002778| -          | ENSG000000166788; | CVB5_S1,Con_S1     |
| hsa_circ_0003970| +          | ENSG000000150760; | CVB5_S1,Con_S1     |
| hsa_circ_00007503| +          | ENSG000000095787; | CVB5_S1,Con_S1     |
| hsa_circ_0002637| -          | ENSG000000197879; | CVB5_S1,Con_S1     |
| hsa_circ_00043898| -          | ENSG000000108799; | CVB5_S1,Con_S1     |
| hsa_circ_00000786| +          | ENSG000000153933; | CVB5_S1,Con_S1     |
| hsa_circ_00051401| +          | ENSG000000142273; | CVB5_S1,Con_S1     |
| hsa_circ_00003912| -          | ENSG000000105516; | CVB5_S1,Con_S1     |
| hsa_circ_00061776| +          | ENSG000000182240; | CVB5_S1,Con_S1     |
| hsa_circ_00079431| +          | ENSG000000106443; | CVB5_S1,Con_S1     |
| hsa_circ_0003027| +          | ENSG000000133612; | CVB5_S1,Con_S1     |
| hsa_circ_00078373| +          | ENSG000000213079; | CVB5_S1,Con_S1     |
| hsa_circ_0002906| +          | ENSG000000024048; | CVB5_S1,Con_S1     |
| hsa_circ_0001610| -          | ENSG000000146072; | CVB5_S1,Con_S1     |
| hsa_circ_00074104| +          | ENSG000000120733; | CVB5_S1,Con_S1     |
| hsa_circ_00058988| -          | ENSG000000115687; | CVB5_S1,Con_S1     |
| hsa_circ_00012344| -          | ENSG000000079277; | CVB5_S1,Con_S1     |
| hsa_circ_0001856| -          | ENSG000000137075; | CVB5_S1,Con_S1     |
| hsa_circ_0008842| -          | ENSG000000165244; | CVB5_S1,Con_S1     |
| hsa_circ_0006863| +          | ENSG000000104671; | CVB5_S1,Con_S1     |
| novel_circ_0002389| +          | ENSG000000120647; | CVB5_S1,Con_S1     |
| novel_circ_0002599| -          | ENSG000000285238; | CVB5_S1,Con_S1     |
| novel_circ_0001135| +          | ENSG000000170242; | CVB5_S1,Con_S1     |
| novel_circ_0000970| -          | ENSG000000052749; | CVB5_S1,Con_S1     |
| novel_circ_0006907| -          | ENSG000000245680; | CVB5_S1,Con_S1     |
| novel_circ_0011541| -          | ENSG000000273398; | CVB5_S1,Con_S1     |
| novel_circ_0007684| +          | ENSG000000162779; | CVB5_S1,Con_S1     |
| Gene Symbol | Type | ENSG ID | Conditions |
|-------------|------|---------|------------|
| hsa_circ_0002263 | + | ENSG000000104218 | CVB5_5Y1, Con_5Y1 |
| novel_circ_0002097 | - | ENSG00000130779 | CVB5_5Y1, Con_5Y1 |
| novel_circ_0000843 | + | ENSG00000107771 | CVB5_5Y1, Con_5Y1 |
| novel_circ_0009695 | + | ENSG00000099968 | CVB5_5Y1, Con_5Y1 |
| novel_circ_0009757 | - | ENSG00000100077 | CVB5_5Y1, Con_5Y1 |
| novel_circ_0013388 | + | ENSG00000109756 | CVB5_5Y1, Con_5Y1 |
| novel_circ_0013497 | - | ENSG00000083857 | CVB5_5Y1, Con_5Y1 |
| novel_circ_0018456 | - | ENSG00000135052 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0008579 | + | ENSG00000198689 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0089772 | + | ENSG00000182378 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0000495 | - | ENSG0000005810 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0007885 | - | ENSG00000089234 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0025721 | + | ENSG0000029153 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0027629 | - | ENSG00000067798 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0022058 | + | ENSG00000030066 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0002983 | - | ENSG00000174669 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0003206 | + | ENSG00000166439 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0005321 | + | ENSG00000174238 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0000236 | + | ENSG00000005810 | CVB5_5Y1, Con_5Y1 |
| hsa_circ_0091427 | - | ENSG00000101882 | CVB5_5Y1, Con_5Y2 |
| hsa_circ_00008579 | + | ENSG00000198689 | CVB5_5Y1, Con_5Y2 |
| hsa_circ_0089772 | + | ENSG00000182378 | CVB5_5Y1, Con_5Y2 |
| hsa_circ_0000495 | - | ENSG0000005810 | CVB5_5Y1, Con_5Y2 |
| hsa_circ_0007885 | - | ENSG00000089234 | CVB5_5Y1, Con_5Y2 |
| Gene Symbol     | Description | Experiment Conditions |
|-----------------|-------------|------------------------|
| hsa_circ_0005888 | +           | ENSG00000116731; CVB5_5Y1,Con_5Y2. |
| hsa_circ_00083455 | +          | ENSG00000078674; CVB5_5Y1,Con_5Y2. |
| hsa_circ_0002537 | +           | ENSG00000169139; CVB5_5Y1,Con_5Y2. |
| novel_circ_0018931 | +        | ENSG00000146950; CVB5_5Y1,Con_5Y2. |
| novel_circ_0002211 | +          | ENSG00000061936; CVB5_5Y1,Con_5Y2. |
| novel_circ_0005558 | -           | ENSG00000131747; CVB5_5Y1,Con_5Y2. |
| novel_circ_0005801 | +           | ENSG00000108384; CVB5_5Y1,Con_5Y2. |
| novel_circ_0004898 | -           | ENSG00000102921; CVB5_5Y1,Con_5Y2. |
| novel_circ_0006645 | -           | ENSG00000132405; CVB5_5Y1,Con_5Y2. |
| novel_circ_0006733 | -           | ENSG00000070476; CVB5_5Y1,Con_5Y2. |
| novel_circ_0013782 | +           | ENSG00000132405; CVB5_5Y1,Con_5Y2. |
| novel_circ_0011950 | -           | ENSG00000070476; CVB5_5Y1,Con_5Y2. |
| novel_circ_0012322 | +           | ENSG00000070476; CVB5_5Y1,Con_5Y2. |
| novel_circ_0011634 | +           | ENSG00000070476; CVB5_5Y1,Con_5Y2. |
| novel_circ_0007607 | -           | ENSG00000070476; CVB5_5Y1,Con_5Y2. |
| novel_circ_0018233 | -           | ENSG00000070476; CVB5_5Y1,Con_5Y2. |
| hsa_circ_0007100 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0006390 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0042330 | -           | ENSG00000140632; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0006690 | -           | ENSG00000140632; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0037753 | -           | ENSG00000140632; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0002604 | -           | ENSG00000140632; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0034088 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0004180 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0002551 | -           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0036927 | -           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0048171 | -           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0062595 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0007544 | -           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0002958 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0008823 | -           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_00073127 | -          | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0006517 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_00086648 | +          | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0005376 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0000942 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0003345 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0009756 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_00003192 | -          | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0002211 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_00002251 | +          | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0001299 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0000942 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0004559 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0003345 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0009756 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_00015079 | -          | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0012734 | -           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_00007777 | -          | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0017053 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_00013730 | +          | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0017606 | n/a         | -                      |
| hsa_circ_0005990 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0045768 | -           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0046509 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| hsa_circ_0008860 | +           | ENSG00000177302; CVB5_5Y1,Con_5Y3. |
| Circulating RNA ID     | Gene ID                     | Reference Sequence                  | CVB5_5Y1, CVB5_5Y2  |
|-----------------------|-----------------------------|-------------------------------------|---------------------|
| hsa_circ_0007593      | ENSG000000064607            | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0061721      | ENSG00000185658             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0002708      | ENSG00000006451             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0073036      | ENSG00000113161             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0065242      | ENSG00000173473             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0002377      | ENSG00000138399             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0008141      | ENSG00000100523             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0065242      | ENSG00000173473             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0002377      | ENSG00000138399             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0008141      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0004406      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0073036      | ENSG00000113161             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0065242      | ENSG00000173473             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0002377      | ENSG00000138399             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0008141      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0004406      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0073036      | ENSG00000113161             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0065242      | ENSG00000173473             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0002377      | ENSG00000138399             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0008141      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0004406      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0073036      | ENSG00000113161             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0065242      | ENSG00000173473             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0002377      | ENSG00000138399             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0008141      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0004406      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0073036      | ENSG00000113161             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0065242      | ENSG00000173473             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0002377      | ENSG00000138399             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0008141      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0004406      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0073036      | ENSG00000113161             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0065242      | ENSG00000173473             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0002377      | ENSG00000138399             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0008141      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0004406      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0073036      | ENSG00000113161             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0065242      | ENSG00000173473             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0002377      | ENSG00000138399             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0008141      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0004406      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0073036      | ENSG00000113161             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0065242      | ENSG00000173473             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0002377      | ENSG00000138399             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0008141      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0004406      | ENSG00000152061             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0073036      | ENSG00000113161             | CVB5_5Y1, CVB5_5Y2                  |
| hsa_circ_0065242      | ENSG00000173473             | CVB5_5Y1, CVB5_5Y2                  |
| Gene Symbol     | Expression Sites | Expression Sites          |
|----------------|------------------|--------------------------|
| hsa_circ_0078224 | -                | ENSG00000131023; CVB5_5Y |
| hsa_circ_008403  | +                | ENSG000000231185; CVB5_5Y |
| hsa_circ_0004098 | -                | ENSG000000072803; CVB5_5Y |
| hsa_circ_0072380 | +                | ENSG000000172262; CVB5_5Y |
| hsa_circ_0072546 | +                | ENSG00000062194; CVB5_5Y |
| hsa_circ_0007692 | -                | ENSG000000071127; CVB5_5Y |
| hsa_circ_003673  | -                | ENSG00000145348; CVB5_5Y |
| hsa_circ_0070421 | +                | ENSG00000138646; CVB5_5Y |
| hsa_circ_0003113 | -                | ENSG00000163785; CVB5_5Y |
| hsa_circ_0001349 | +                | ENSG00000152601; CVB5_5Y |
| hsa_circ_0001274 | +                | ENSG000000154822; CVB5_5Y |
| hsa_circ_0001965 | -                | ENSG00000173889; CVB5_5Y |
| hsa_circ_0002569 | -                | ENSG00000181555; CVB5_5Y |
| hsa_circ_0066452 | -                | ENSG00000151276; CVB5_5Y |
| hsa_circ_003789  | +                | ENSG00000211460; CVB5_5Y |
| hsa_circ_0003994 | +                | ENSG00000196141; CVB5_5Y |
| hsa_circ_007038   | -                | ENSG00000153827; CVB5_5Y |
| hsa_circ_0088944  | +                | ENSG00000213064; CVB5_5Y |
| hsa_circ_0000196  | -                | ENSG00000135766; CVB5_5Y |
| hsa_circ_0000042  | +                | ENSG00000159023; CVB5_5Y |
| hsa_circ_0000076  | +                | ENSG00000172456; CVB5_5Y |
| hsa_circ_0012782  | +                | ENSG00000132849; CVB5_5Y |
| hsa_circ_0009007  | +                | ENSG00000136933; CVB5_5Y |
| hsa_circ_0001897  | +                | ENSG00000130714; CVB5_5Y |
| hsa_circ_0006459  | -                | ENSG00000156052; CVB5_5Y |
| hsa_circ_0085434  | -                | ENSG00000136986; CVB5_5Y |
| hsa_circ_0085459  | -                | ENSG00000156802; CVB5_5Y |
| hsa_circ_0084746  | -                | ENSG00000067167; CVB5_5Y |
| novel_circ_0002930 | -            | ENSG00000102699; CVB5_5Y |
| novel_circ_0002780 | +            | ENSG00000120802; CVB5_5Y |
| novel_circ_0001460 | +            | ENSG00000070047; CVB5_5Y |
| novel_circ_0003948 | -            | ENSG00000140470; CVB5_5Y |
| novel_circ_0006830 | +            | ENSG00000105176; CVB5_5Y |
| novel_circ_0016381 | +            | n/a; CVB5_5Y |
| novel_circ_0016768 | +            | ENSG00000164715; CVB5_5Y |
| novel_circ_0015555 | +            | ENSG00000198087; CVB5_5Y |
| novel_circ_0012466 | -            | ENSG00000163975; CVB5_5Y |
| novel_circ_0008406 | -            | ENSG00000134684; CVB5_5Y |
| novel_circ_0018277 | -            | ENSG00000080298; CVB5_5Y |
| novel_circ_0017553 | -            | ENSG000000174792; CVB5_5Y |
| hsa_circ_0006903  | -                | ENSG00000176915; CVB5_5Y |
| hsa_circ_0044968  | +                | ENSG00000170836; CVB5_5Y |
| hsa_circ_0032047  | -                | ENSG00000070367; CVB5_5Y |
| hsa_circ_0003271  | +                | ENSG00000167601; CVB5_5Y |
| hsa_circ_0059802  | +                | ENSG00000088305; CVB5_5Y |
| hsa_circ_0010402  | -                | ENSG00000077549; CVB5_5Y |
| hsa_circ_0002318  | -                | ENSG00000157693; CVB5_5Y |
| novel_circ_0002602 | -                | ENSG00000111653; CVB5_5Y |
| novel_circ_0009269 | +                | n/a; CVB5_5Y |
| novel_circ_0015498 | +                | ENSG00000156639; CVB5_5Y |
| novel_circ_0011159 | -                | ENSG00000071865; CVB5_5Y |
| novel_circ_0011625 | -                | ENSG00000159374; CVB5_5Y |
| hsa_circ_0030051  | -                | ENSG00000120690; CVB5_5Y |
| hsa_circ_0007458  | +                | ENSG00000158636; CVB5_5Y |
| hsa_circ_0004376  | -                | ENSG00000005100; CVB5_5Y |
| hsa_circ_0007066  | -                | ENSG00000125041; CVB5_5Y |
| hsa_circ_0045758  | -                | ENSG00000167880; CVB5_5Y |
| hsa_circ_0046435  | +                | ENSG00000141568; CVB5_5Y |
| CircRNA          | Ensembl  | Samples               |
|------------------|----------|-----------------------|
| hsa_circ_0004315 | ENSG00000090863 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0007206 | ENSG00000092439 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0008636 | ENSG00000103591 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0004794 | ENSG00000151748 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0047292 | ENSG00000141447 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0004812 | ENSG00000101004 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0008540 | ENSG00000157819 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0006920 | n/a      | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0008540 | ENSG00000157819 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0006906 | ENSG00000116171 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0009143 | ENSG00000249859 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0003134 | ENSG00000104213 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0018789 | ENSG00000130741 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0002612 | ENSG00000111581 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0001606 | ENSG00000162105 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0003881 | ENSG00000165929 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0014204 | ENSG00000153395 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0005328 | ENSG00000163539 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0000345 | ENSG00000048649 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0000345 | ENSG00000048649 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0005637 | ENSG00000108854 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0004553 | ENSG00000166685 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0004644 | ENSG00000141556 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0003127 | ENSG00000112079 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0000864 | ENSG00000038382 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0007184 | ENSG00000138802 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0006752 | ENSG00000051382 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0007900 | ENSG00000135945 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0000794 | ENSG00000167632 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0003131 | ENSG00000130429 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0008866 | ENSG00000160551 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0003127 | ENSG00000168615 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0001051 | ENSG00000141027 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0000729 | ENSG00000060339 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0000592 | ENSG00000136450 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0000607 | ENSG00000129667 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0000642 | ENSG00000141564 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0000411 | ENSG00000137770 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0000925 | ENSG00000182841 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0013691 | ENSG00000145244 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0013923 | ENSG00000184305 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0018521 | ENSG00000148120 | CVB5_5Y1, CVB5_5Y |
| novel_circ_0018543 | ENSG00000182150 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0008131 | ENSG00000167393 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0004596 | ENSG00000175582 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0000228 | ENSG00000148516 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0000628 | ENSG00000138160 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0005508 | ENSG00000174238 | CVB5_5Y1, CVB5_5Y |
| hsa_circ_0008866 | ENSG00000062716 | CVB5_5Y1, CVB5_5Y |
| Gene Name | Orientation | ENSG Accession | Samples |
|-----------|-------------|----------------|---------|
| hsa_circ_0038487 | + | ENSG00000103319 | CVB5_5Y1, CVB5_5Y2, CVB5_5Y3, Con_5Y1, Con_5Y2 |
| hsa_circ_0006008 | + | ENSG00000090905 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0008223 | - | ENSG00000169180 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0039076 | + | ENSG00000080603 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0006482 | + | ENSG00000067955 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0007361 | - | ENSG00000140948 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0036354 | - | ENSG00000169375 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0036763 | + | ENSG00000185033 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0000660 | + | ENSG00000140470 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0000557 | - | ENSG00000119638 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0049356 | + | ENSG00000142453 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0050336 | + | ENSG00000105176 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0003356 | + | ENSG00000011485 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0004266 | + | ENSG00000137807 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0007518 | + | ENSG00000090266 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0009039 | - | ENSG00000083857 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0002194 | - | ENSG00000113845 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_00005175 | - | ENSG00000100099 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0001235 | - | ENSG000001389123 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0009098 | + | ENSG00000088325 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0002715 | + | ENSG00000160299 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0007518 | + | ENSG00000113356 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0003203 | - | ENSG00000126524 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_00005214 | - | ENSG00000135541 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0006835 | - | ENSG00000152413 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0000073 | - | ENSG00000096060 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0001599 | - | ENSG00000112701 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0007518 | + | ENSG00000165671 | CVB5_5Y1, CVB5_5Y2 |
| hsa_circ_0003757 | - | ENSG00000198780 | CVB5_5Y1, CVB5_5Y2 |
| novel_circ_0002972 | - | ENSG00000120694 | CVB5_5Y1, CVB5_5Y2 |
| novel_circ_0005542 | + | ENSG000000167258 | CVB5_5Y1, CVB5_5Y2 |
| novel_circ_0005181 | + | ENSG00000179588 | CVB5_5Y1, CVB5_5Y2 |
| Gene Name          | Description                      | MIRNA 1 | MIRNA 2 | MIRNA 3 | Contrl 1 | Contrl 2 | Contrl 3 |
|-------------------|----------------------------------|---------|---------|---------|----------|----------|----------|
| novel_circ_0006708 |                                  |         |         |         |          |          |          |
| novel_circ_0006835 |                                  |         |         |         |          |          |          |
| novel_circ_0006283 |                                  |         |         |         |          |          |          |
| novel_circ_0009814 |                                  |         |         |         |          |          |          |
| novel_circ_0009973 |                                  |         |         |         |          |          |          |
| novel_circ_0009271 |                                  |         |         |         |          |          |          |
| novel_circ_0013250 |                                  |         |         |         |          |          |          |
| novel_circ_0012386 |                                  |         |         |         |          |          |          |
| novel_circ_0010546 |                                  |         |         |         |          |          |          |
| novel_circ_0018282 |                                  |         |         |         |          |          |          |
| novel_circ_0016990 |                                  |         |         |         |          |          |          |
| hsa_circ_0006020  |                                  |         |         |         |          |          |          |
| hsa_circ_0008077  |                                  |         |         |         |          |          |          |
| hsa_circ_0007290  |                                  |         |         |         |          |          |          |
| hsa_circ_0007817  |                                  |         |         |         |          |          |          |
| hsa_circ_00091178 |                                  |         |         |         |          |          |          |
| hsa_circ_000458   |                                  |         |         |         |          |          |          |
| hsa_circ_000462   |                                  |         |         |         |          |          |          |
| hsa_circ_000697*1 |                                  |         |         |         |          |          |          |
| hsa_circ_0002562  |                                  |         |         |         |          |          |          |
| hsa_circ_000408   |                                  |         |         |         |          |          |          |
| hsa_circ_0007845  |                                  |         |         |         |          |          |          |
| hsa_circ_00027492 |                                  |         |         |         |          |          |          |
| hsa_circ_00027699 |                                  |         |         |         |          |          |          |
| hsa_circ_0006868  |                                  |         |         |         |          |          |          |
| hsa_circ_00024169 |                                  |         |         |         |          |          |          |
| hsa_circ_0004962  |                                  |         |         |         |          |          |          |
| hsa_circ_0020976  |                                  |         |         |         |          |          |          |
| hsa_circ_0008338  |                                  |         |         |         |          |          |          |
| hsa_circ_0006705  |                                  |         |         |         |          |          |          |
| hsa_circ_000343   |                                  |         |         |         |          |          |          |
| hsa_circ_0023942  |                                  |         |         |         |          |          |          |
| hsa_circ_0024307  |                                  |         |         |         |          |          |          |
| hsa_circ_0024067  |                                  |         |         |         |          |          |          |
| hsa_circ_0000255  |                                  |         |         |         |          |          |          |
| hsa_circ_0000257  |                                  |         |         |         |          |          |          |
| hsa_circ_0003366  |                                  |         |         |         |          |          |          |
| hsa_circ_000259   |                                  |         |         |         |          |          |          |
| hsa_circ_0002533  |                                  |         |         |         |          |          |          |
| hsa_circ_0020050  |                                  |         |         |         |          |          |          |
| hsa_circ_0020072  |                                  |         |         |         |          |          |          |
| hsa_circ_0020134  |                                  |         |         |         |          |          |          |
| hsa_circ_0004498  |                                  |         |         |         |          |          |          |
| hsa_circ_0007448  |                                  |         |         |         |          |          |          |
| hsa_circ_0020238  |                                  |         |         |         |          |          |          |
| hsa_circ_0005734  |                                  |         |         |         |          |          |          |
| hsa_circ_0008969  |                                  |         |         |         |          |          |          |
| Gene Symbol   | Accession   | Description  |
|---------------|-------------|--------------|
| hsa_circ_0008872 | ENSG00000063978 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0006737 | ENSG00000087269 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001400 | ENSG00000181826 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001403 | ENSG00000035928 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0009154 | ENSG00000078140 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0002590 | ENSG00000078140 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0009492 | ENSG00000078140 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_00069559 | ENSG00000163697 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0008453 | ENSG00000163697 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0005912 | ENSG00000145216 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0007476 | ENSG00000145216 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_00069748 | ENSG00000145216 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_00069987 | ENSG00000163738 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0003451 | ENSG00000145293 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001421 | ENSG00000138674 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001324 | ENSG00000114439 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0004639 | ENSG00000177707 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0007315 | ENSG00000177707 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_00066783 | ENSG00000144824 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0007986 | ENSG00000082701 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_00067103 | ENSG00000163848 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0003181 | ENSG00000159685 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0005768 | ENSG00000163785 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001359 | ENSG00000173889 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001360 | ENSG00000173889 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0002387 | ENSG00000154310 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0006248 | ENSG00000136527 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0007203 | ENSG00000075711 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0006215 | ENSG00000033867 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001277 | ENSG00000033867 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001294 | ENSG00000173473 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001296 | ENSG00000173473 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001307 | ENSG00000164080 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001309 | ENSG00000114904 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001312 | ENSG00000180376 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0003540 | ENSG00000151276 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0003101 | ENSG00000144741 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0006135 | ENSG00000169379 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001062 | ENSG00000188177 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001070 | ENSG00000048991 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001074 | ENSG00000115947 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0000978 | ENSG00000151779 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0008010 | ENSG00000115183 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0003296 | ENSG00000198648 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0002141 | ENSG00000204186 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0008544 | n/a | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0007648 | ENSG00000115568 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0058456 | ENSG00000286239; ENSG00000286239 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0008382 | ENSG00000185404 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0003922 | ENSG00000067066 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0007321 | ENSG00000144535 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0003341 | ENSG00000204120 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001115 | ENSG00000077044 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0005059 | ENSG00000144504 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0009085 | ENSG00000243943 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0006794 | ENSG00000138081 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0005552 | ENSG00000115504 | CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001023 | ENSG00000169621 | CVB5_5Y1,CVB5_5Y |
hsa_circ_0007092 - ENSG00000135945; CVB5_5Y1,CVB5_5Y
hsa_circ_0000116 + ENSG000000198162; CVB5_5Y1,CVB5_5Y
hsa_circ_0001117 + ENSG000000198162; CVB5_5Y1,CVB5_5Y
hsa_circ_000120 + ENSG000000198162; CVB5_5Y1,CVB5_5Y
hsa_circ_0006470 + ENSG000000116688; CVB5_5Y1,CVB5_5Y
hsa_circ_0000002 - ENSG00000078808; CVB5_5Y1,CVB5_5Y
hsa_circ_0008063 - ENSG00000160087; CVB5_5Y1,CVB5_5Y
hsa_circ_0010023 - ENSG00000162496; CVB5_5Y1,CVB5_5Y
hsa_circ_0013953 + ENSG000000131778;ENSG0 CVB5_5Y1,CVB5_5Y
hsa_circ_0001279 - ENSG00000115274; CVB5_5Y1,CVB5_5Y
hsa_circ_0059553 + ENSG00000117627; CVB5_5Y1,CVB5_5Y
hsa_circ_00003490 + ENSG00000090273; CVB5_5Y1,CVB5_5Y
hsa_circ_0006587 + ENSG00000158161; CVB5_5Y1,CVB5_5Y
hsa_circ_0007895 - ENSG00000158161; CVB5_5Y1,CVB5_5Y
hsa_circ_0006602 - ENSG00000116350; CVB5_5Y1,CVB5_5Y
hsa_circ_00000045 - ENSG00000134644; CVB5_5Y1,CVB5_5Y
hsa_circ_0002729 + ENSG00000121766; CVB5_5Y1,CVB5_5Y
hsa_circ_0003238 + ENSG00000084652; CVB5_5Y1,CVB5_5Y
hsa_circ_0009027 + ENSG000001160094; CVB5_5Y1,CVB5_5Y
hsa_circ_00000661 - ENSG00000012803; CVB5_5Y1,CVB5_5Y
hsa_circ_0008777 - ENSG00000159592; CVB5_5Y1,CVB5_5Y
hsa_circ_0012333 + ENSG00000173660; CVB5_5Y1,CVB5_5Y
hsa_circ_0008657 + ENSG00000012607; CVB5_5Y1,CVB5_5Y
hsa_circ_0006354 + ENSG00000049245; CVB5_5Y1,CVB5_5Y
hsa_circ_0009674 - ENSG00000178585; CVB5_5Y1,CVB5_5Y
hsa_circ_0008705 - ENSG00000106771; CVB5_5Y1,CVB5_5Y
hsa_circ_0002672 + ENSG00000011454; CVB5_5Y1,CVB5_5Y
hsa_circ_0008427 - ENSG00000165209; CVB5_5Y1,CVB5_5Y
hsa_circ_0008664 + ENSG00000196814; CVB5_5Y1,CVB5_5Y
hsa_circ_0005871 + ENSG00000130723; CVB5_5Y1,CVB5_5Y
hsa_circ_00089310 + ENSG00000148308; CVB5_5Y1,CVB5_5Y
hsa_circ_00089371 - ENSG00000148300; CVB5_5Y1,CVB5_5Y
hsa_circ_0006502 - ENSG00000148399; CVB5_5Y1,CVB5_5Y
hsa_circ_0001904 + ENSG00000181090; CVB5_5Y1,CVB5_5Y
hsa_circ_0009727 + ENSG00000181090; CVB5_5Y1,CVB5_5Y
hsa_circ_0001851 - ENSG00000137073; CVB5_5Y1,CVB5_5Y
hsa_circ_0006735 - ENSG00000137073; CVB5_5Y1,CVB5_5Y
hsa_circ_0001860 + ENSG00000147905; CVB5_5Y1,CVB5_5Y
hsa_circ_0006345 + ENSG00000120158; CVB5_5Y1,CVB5_5Y
hsa_circ_00087630 + ENSG00000130956; CVB5_5Y1,CVB5_5Y
hsa_circ_00087631 + ENSG00000130956; CVB5_5Y1,CVB5_5Y
hsa_circ_0006623 - ENSG00000070756; CVB5_5Y1,CVB5_5Y
hsa_circ_0005173 + ENSG00000083307; CVB5_5Y1,CVB5_5Y
hsa_circ_0008849 + ENSG00000249859; CVB5_5Y1,CVB5_5Y
hsa_circ_0002965 - ENSG00000123908; CVB5_5Y1,CVB5_5Y
hsa_circ_0007313 - ENSG00000123908; CVB5_5Y1,CVB5_5Y
hsa_circ_0006154 - ENSG00000147799; CVB5_5Y1,CVB5_5Y
hsa_circ_0083443 - ENSG00000129422; CVB5_5Y1,CVB5_5Y
| Gene Symbol | Distribution |
|-------------|--------------|
| novel_circ_0011803 | ENSG00000177707; CVB5_5Y1,CVB5_5Y |
| novel_circ_0012459 | ENSG00000163961; CVB5_5Y1,CVB5_5Y |
| novel_circ_0012552 | ENSG00000235493; CVB5_5Y1,CVB5_5Y |
| novel_circ_0012593 | ENSG00000144635; CVB5_5Y1,CVB5_5Y |
| novel_circ_0012594 | ENSG00000144635; CVB5_5Y1,CVB5_5Y |
| novel_circ_0012603 | ENSG00000182973; CVB5_5Y1,CVB5_5Y |
| novel_circ_0012937 | CVB5_5Y1,CVB5_5Y |
| novel_circ_0010775 | n/a |
| novel_circ_0010779 | n/a |
| novel_circ_0010783 | n/a |
| novel_circ_0010819 | ENSG00000152056;ENSG00000152056;CVB5_5Y1,CVB5_5Y |
| novel_circ_0010862 | ENSG00000185404; CVB5_5Y1,CVB5_5Y |
| novel_circ_0011032 | ENSG00000138074; CVB5_5Y1,CVB5_5Y |
| novel_circ_0011163 | ENSG00000234171; CVB5_5Y1,CVB5_5Y |
| novel_circ_0011329 | n/a |
| novel_circ_0011332 | CVB5_5Y1,CVB5_5Y |
| novel_circ_0011411 | ENSG00000173209; CVB5_5Y1,CVB5_5Y |
| novel_circ_0011420 | CVB5_5Y1,CVB5_5Y |
| novel_circ_0011475 | CVB5_5Y1,CVB5_5Y |
| novel_circ_0007238 | ENSG00000162777; CVB5_5Y1,CVB5_5Y |
| novel_circ_0007543 | ENSG00000215908; CVB5_5Y1,CVB5_5Y |
| novel_circ_0007757 | ENSG00000285280; CVB5_5Y1,CVB5_5Y |
| novel_circ_0008295 | ENSG00000157978; CVB5_5Y1,CVB5_5Y |
| novel_circ_0008301 | ENSG00000130695; CVB5_5Y1,CVB5_5Y |
| novel_circ_0008468 | ENSG00000134697; CVB5_5Y1,CVB5_5Y |
| novel_circ_0008796 | ENSG00000198160; CVB5_5Y1,CVB5_5Y |
| novel_circ_0008931 | ENSG00000142599; CVB5_5Y1,CVB5_5Y |
| novel_circ_0018216 | ENSG00000086061; CVB5_5Y1,CVB5_5Y |
| novel_circ_0018254 | ENSG00000137073; CVB5_5Y1,CVB5_5Y |
| novel_circ_0018350 | ENSG00000183354; CVB5_5Y1,CVB5_5Y |
| novel_circ_0016687 | ENSG00000104412; CVB5_5Y1,CVB5_5Y |
| novel_circ_0017230 | ENSG00000120889; CVB5_5Y1,CVB5_5Y |
| novel_circ_0017461 | ENSG00000171316; CVB5_5Y1,CVB5_5Y |
| novel_circ_0017747 | ENSG00000132549; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0007232 | ENSG00000102753; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0000416 | ENSG00000135679; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0017438 | ENSG00000047056; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0005516 | ENSG00000148908; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0007759 | ENSG00000108506; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0000631 | ENSG00000159322; CVB5_5Y1,CVB5_5Y |
| hsa_circ_00050256 | ENSG00000105726; CVB5_5Y1,CVB5_5Y |
| hsa_circ_00075648 | ENSG00000124523; CVB5_5Y1,CVB5_5Y |
| hsa_circ_00078563 | ENSG00000120438; CVB5_5Y1,CVB5_5Y |
| hsa_circ_00072654 | ENSG00000153015; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001413 | ENSG00000145216; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001282 | ENSG00000144674; CVB5_5Y1,CVB5_5Y |
| hsa_circ_00058876 | ENSG00000132323; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0009246 | ENSG00000160087; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0014306 | ENSG00000143624; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0008998 | ENSG00000132680; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0009040 | ENSG00000171603; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0007613 | ENSG00000130723; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0002647 | ENSG00000181090; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0085673 | ENSG000000666827; CVB5_5Y1,CVB5_5Y |
| hsa_circ_0001790 | ENSG00000129691; CVB5_5Y1,CVB5_5Y |
| novel_circ_0001462 | ENSG00000070047; CVB5_5Y1,CVB5_5Y |
| novel_circ_0006222 | ENSG00000175711; CVB5_5Y1,CVB5_5Y |
| novel_circ_0004952 | n/a |
| Gene Symbol | Gene ID | Description | CVB5_5Y1 | CVB5_5Y2 | CVB5_5Y3 | Con_5Y1 | Con_5Y2 | Con_5Y3 |
|-------------|---------|-------------|----------|----------|----------|---------|---------|---------|
| novel_circ_0004971 | - | ENSG00000141098; CVB5_5Y1,CVB5_5Y2,CVB5_5Y3,Con_5Y1,Con_5Y3 |          |          |          |         |         |         |
| novel_circ_0003600 | + | ENSG000000258479; CVB5_5Y1,CVB5_5Y3 |          |          |          |         |         |         |
| novel_circ_0015012 | + | ENSG00000196911; CVB5_5Y1,CVB5_5Y3 |          |          |          |         |         |         |
| novel_circ_0007915 | + | ENSG00000162769; CVB5_5Y1,CVB5_5Y3 |          |          |          |         |         |         |
| novel_circ_0009044 | + | ENSG00000095380; CVB5_5Y1,CVB5_5Y3 |          |          |          |         |         |         |
| novel_circ_0015012 | - | ENSG000000258479; CVB5_5Y1,CVB5_5Y2,CVB5_5Y3,Con_5Y1,Con_5Y3 |          |          |          |         |         |         |
| hsa_circ_0008539 | + | ENSG00000150403; CVB5_5Y1,CVB5_5Y3 |          |          |          |         |         |         |
| hsa_circ_0026238 | + | ENSG00000161813; CVB5_5Y1,CVB5_5Y3 |          |          |          |         |         |         |
| hsa_circ_0008194 | - | ENSG00000124942; CVB5_5Y1,CVB5_5Y3 |          |          |          |         |         |         |
| hsa_circ_0020197 | + | ENSG00000107651; CVB5_5Y1,CVB5_5Y3 |          |          |          |         |         |         |
| hsa_circ_0049700 | + | ENSG00000188917; CVB5_5Y1,CVB5_5Y3 |          |          |          |         |         |         |
hsa_circ_0004581  -  ENSG00000114316; CVB5_Y1,CVB5_Y5
hsa_circ_0007868  +  ENSG00000031698; CVB5_Y1,CVB5_Y5
hsa_circ_0006760  +  ENSG00000143363; CVB5_Y1,CVB5_Y5
hsa_circ_0083756  -  ENSG000000104228; CVB5_Y1,CVB5_Y5
novel_circ_0001576  +  ENSG00000110075; CVB5_Y1,CVB5_Y5
novel_circ_0000961  -  ENSG00000077147; CVB5_Y1,CVB5_Y5
novel_circ_0009846  -  ENSG00000100353; CVB5_Y1,CVB5_Y5
novel_circ_0012004  -  ENSG00000114686; CVB5_Y1,CVB5_Y5
novel_circ_0013026  +  ENSG00000134077; CVB5_Y1,CVB5_Y5
novel_circ_0010097  +  ENSG00000114999; CVB5_Y1,CVB5_Y5
hsa_circ_0001932  -  ENSG00000085224; CVB5_Y1,CVB5_Y5
hsa_circ_0007044  +  ENSG00000198431; CVB5_Y1,CVB5_Y5
hsa_circ_0002783  -  ENSG00000196948; CVB5_Y1,CVB5_Y5
hsa_circ_0002357  +  ENSG00000110841; CVB5_Y1,CVB5_Y5
hsa_circ_0024946  -  ENSG00000073614; CVB5_Y1,CVB5_Y5
hsa_circ_0021843  -  ENSG00000110497; CVB5_Y1,CVB5_Y5
hsa_circ_0008251  -  ENSG00000165322; CVB5_Y1,CVB5_Y5
hsa_circ_0003605  +  ENSG00000108175; CVB5_Y1,CVB5_Y5
hsa_circ_0003258  -  ENSG00000198740; CVB5_Y1,CVB5_Y5
hsa_circ_0046419  +  ENSG00000141562; CVB5_Y1,CVB5_Y5
hsa_circ_0038132  +  ENSG00000103222; CVB5_Y1,CVB5_Y5
hsa_circ_0005818  +  ENSG00000020426; CVB5_Y1,CVB5_Y5
hsa_circ_00050247 -  ENSG00000105717; CVB5_Y1,CVB5_Y5
hsa_circ_0000832  +  ENSG00000101639; CVB5_Y1,CVB5_Y5
hsa_circ_00062948  +  ENSG00000100150; ENSG0 CVB5_Y1,CVB5_Y5
hsa_circ_0001172  -  ENSG00000124224; CVB5_Y1,CVB5_Y5
hsa_circ_0005515  +  ENSG00000135164; CVB5_Y1,CVB5_Y5
hsa_circ_0005451  +  ENSG00000170734; CVB5_Y1,CVB5_Y5
hsa_circ_00070590 -  ENSG00000145348; CVB5_Y1,CVB5_Y5
hsa_circ_0005994  -  ENSG00000135749; CVB5_Y1,CVB5_Y5
hsa_circ_0008494  +  ENSG00000119408; CVB5_Y1,CVB5_Y5
novel_circ_0002116  +  ENSG00000184445; CVB5_Y1,CVB5_Y5
novel_circ_0000513  -  ENSG00000170759; CVB5_Y1,CVB5_Y5
novel_circ_0000850  -  ENSG00000062650; CVB5_Y1,CVB5_Y5
novel_circ_0006738  +  ENSG00000167460; CVB5_Y1,CVB5_Y5
novel_circ_0011779  -  ENSG00000066422; CVB5_Y1,CVB5_Y5
novel_circ_0012490  +  ENSG00000122068; CVB5_Y1,CVB5_Y5
novel_circ_0007766  +  ENSG00000116747; CVB5_Y1,CVB5_Y5
novel_circ_0017470  -  ENSG00000198363; CVB5_Y1,CVB5_Y5
hsa_circ_0006628  -  ENSG00000107745; CVB5_Y1,CVB5_Y5
hsa_circ_0043244  -  ENSG00000278540; CVB5_Y1,CVB5_Y5
hsa_circ_0006886  -  ENSG00000172775; CVB5_Y1,CVB5_Y5
hsa_circ_0000532  +  ENSG00000185246; CVB5_Y1,CVB5_Y5
hsa_circ_0001236  +  ENSG00000100403; CVB5_Y1,CVB5_Y5
hsa_circ_00067230 -  ENSG00000163902; CVB5_Y1,CVB5_Y5
hsa_circ_0007344  -  ENSG00000115761; CVB5_Y1,CVB5_Y5
hsa_circ_0013644  -  ENSG0000009307; CVB5_Y1,CVB5_Y5
hsa_circ_0012964  +  ENSG00000117054; CVB5_Y1,CVB5_Y5
novel_circ_0002865  -  ENSG00000121390; CVB5_Y1,CVB5_Y5
novel_circ_0002703  -  ENSG00000177425; CVB5_Y1,CVB5_Y5
novel_circ_0002737  -  ENSG00000049130; CVB5_Y1,CVB5_Y5
novel_circ_0007170  -  ENSG00000171466; CVB5_Y1,CVB5_Y5
novel_circ_0009909  +  ENSG00000100393; CVB5_Y1,CVB5_Y5
novel_circ_0015896  -  ENSG00000091127; CVB5_Y1,CVB5_Y5
novel_circ_0016793  -  ENSG00000106244; CVB5_Y1,CVB5_Y5
novel_circ_0014422  +  ENSG00000165671; CVB5_Y1,CVB5_Y5
hsa_circ_0004278  +  ENSG00000090889; CVB5_Y1,CVB5_Y5
hsa_circ_0003133  -  ENSG00000084112; CVB5_Y1,CVB5_Y5
| circRNA ID          | Ensembl ID                | Description                    |
|--------------------|---------------------------|-------------------------------|
| hsa_circ_0062713   | ENSG00000183765; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0003723   | ENSG00000100401; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0004359   | ENSG00000124177; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0008452   | ENSG00000185658; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0001197   | ENSG00000160193; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0006887   | ENSG00000146376; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0008801   | ENSG00000049618; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0003042   | ENSG00000137275; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0006213   | ENSG00000004534; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0054474   | ENSG00000116731; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0009020   | ENSG00000181090; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0004442   | ENSG00000135930; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0007529   | ENSG00000196182; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000190   | ENSG00000116969; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000192   | ENSG00000116948; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000219    | ENSG00000111371; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000218    | ENSG00000119967; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000246    | ENSG00000107554; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000020    | ENSG00000107815; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000025    | ENSG00000107669; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000067    | ENSG00000165476; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000077    | ENSG00000122884; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000094    | ENSG00000119969; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000098    | ENSG00000107554; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000550    | ENSG00000088388; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000569    | ENSG00000198933; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000609    | ENSG00000055483; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000616    | ENSG00000141551; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000462    | ENSG00000133393; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000504    | ENSG00000189091; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000510    | ENSG00000186187; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000408    | ENSG00000159433; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000435    | ENSG00000033800; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000377    | ENSG00000100767; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000711    | ENSG00000160633; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000641    | ENSG00000134759; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000973    | ENSG00000099991; CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000928    | ENSG00000125779; CVB5_5Y2,Con_5Y2 |
| novel_circ_0015907 | - | ENSG00000146776; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0015961 | - | ENSG00000048405; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0016481 | + | ENSG00000106305; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0015009 | - | ENSG00000153975; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0015389 | - | ENSG00000172197; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0014151 | + | ENSG00000145833; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0013417 | - | ENSG00000170448; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0013517 | + | ENSG00000163811; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0012810 | + | ENSG00000177479; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0012910 | + | n/a | CVB5_5Y2,Con_5Y2 |
| novel_circ_0012998 | - | ENSG00000163811; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0010582 | - | ENSG00000197121; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0011058 | + | ENSG00000169914; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0007229 | + | n/a | CVB5_5Y2,Con_5Y2 |
| novel_circ_0007800 | + | ENSG00000169914; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0008250 | - | ENSG00000153187; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0008347 | - | ENSG00000116350; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0008535 | + | ENSG00000185896; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0004408 | + | ENSG00000170448; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0003070 | - | ENSG00000102572; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0003465 | - | ENSG00000128908; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0003498 | - | ENSG00000067369; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000645 | - | ENSG00000117899; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000659 | + | ENSG00000140563; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000683 | - | ENSG00000198554; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000716 | + | ENSG00000033170; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0003252 | + | ENSG000000258653; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000597 | + | ENSG00000127616; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0006245 | - | ENSG00000028315; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000619 | + | ENSG00000160218; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000701 | - | ENSG00000055609; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000171 | - | ENSG0000009954; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000784 | - | ENSG00000049541; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0007749 | - | ENSG00000112249; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0001542 | + | ENSG00000131503; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0007348 | - | ENSG00000153922; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0006977 | - | ENSG00000138757; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0006812 | + | ENSG00000114416; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000392 | - | ENSG00000047849; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0006614 | - | ENSG00000163935; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0005880 | + | ENSG00000157985; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0008816 | - | ENSG00000116539; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000584 | + | ENSG00000074964; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000208 | + | ENSG00000065243; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0000759 | + | ENSG00000120158; | CVB5_5Y2,Con_5Y2 |
| hsa_circ_0006928 | + | ENSG00000165138; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0001856 | - | ENSG00000255641; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0002628 | + | ENSG00000135679; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0006519 | - | ENSG00000134440; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0009944 | + | ENSG00000241484; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0011507 | - | ENSG00000118514; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0015384 | - | ENSG00000124796; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0011369 | - | ENSG00000068878; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0011537 | + | ENSG00000214595; | CVB5_5Y2,Con_5Y2 |
| novel_circ_0008182 | + | ENSG00000284770; | CVB5_5Y2,Con_5Y2 |
| Gene Symbol       | Chromosome | Accession     | Description                  | Condition  |
|------------------|------------|---------------|------------------------------|------------|
| novel_circ_0018586 | +          | ENSG00000136937;CVB5_5Y2,Con_5Y2 | -               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_0029762  | -          | ENSG00000102699;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_0029441  | +          | ENSG00000061936;CVB5_5Y2,Con_5Y3 | -               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_0025128  | -          | ENSG00000067182;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_0000360  | -          | ENSG00000110367;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_0002955  | +          | ENSG00000196914;CVB5_5Y2,Con_5Y3 | -               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_0022631  | +          | ENSG00000168439;CVB5_5Y2,Con_5Y3 | -               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_0002417  | +          | ENSG00000110075;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_0023558  | -          | ENSG00000168014;CVB5_5Y2,Con_5Y3 | -               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_00005830 | -          | ENSG00000178950;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_0005144  | -          | ENSG00000153798;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_0008680  | -          | ENSG00000136830;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_0008620  | +          | ENSG00000178795;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_00086779 | -          | ENSG00000185923;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| hsa_circ_00005370 | +          | ENSG00000110512;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0018747 | +          | ENSG00000071859;CVB5_5Y2,Con_5Y3 | -               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0000178 | -          | ENSG00000075493;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0000465 | -          | ENSG00000074923;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0005606 | -          | ENSG00000104413;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0005770 | -          | ENSG00000104413;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0005115 | +          | ENSG00000153774;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0005144 | -          | ENSG00000135786;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0004006 | -          | ENSG00000123182;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0006942 | +          | ENSG00000100714;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0007133 | -          | ENSG00000100714;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0006377 | +          | ENSG00000100714;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0014935 | -          | ENSG00000112249;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0015777 | +          | ENSG00000118412;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0014862 | -          | ENSG00000164780;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0013527 | -          | ENSG00000145391;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0013704 | +          | ENSG00000109171;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0012803 | -          | ENSG00000114268;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0010389 | -          | ENSG00000152253;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0010590 | +          | ENSG00000270757;ENSG00000270757;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0010772 | +          | ENSG00000019870;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0007823 | +          | ENSG00000184007;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0008379 | -          | ENSG00000184007;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0008831 | +          | ENSG00000184007;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0016898 | -          | ENSG00000176986;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| novel_circ_0016927 | -          | ENSG00000244754;CVB5_5Y2,Con_5Y3 | +               | CVB5_5Y2,Con_5Y3 |
| Gene Symbol | Description | Location |
|-------------|-------------|----------|
| hsa_circ_0019658 | - | ENSG00000120029; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0006408 | - | ENSG00000170759; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0003020 | - | ENSG000000265354; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0007743 | + | ENSG00000006695; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0008603 | + | ENSG00000072210; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0003796 | + | ENSG00000171634; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0040609 | + | ENSG00000197943; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0032305 | + | ENSG00000182185; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0049192 | - | ENSG000000130816; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0061178 | - | ENSG00000130584; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0082171 | - | ENSG000000106344; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0075675 | + | ENSG00000008083; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0004271 | + | ENSG000000181789; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0068472 | - | ENSG00000163918; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0064679 | + | ENSG000000153551; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0064889 | + | ENSG00000157036; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0008639 | - | ENSG00000173473; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0006838 | + | ENSG000000177479; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0004355 | + | ENSG000000241553;ENSG0 CVB5_5Y2,CVB5_5Y |
| hsa_circ_0004919 | - |  | CVB5_5Y2,CVB5_5Y |
| hsa_circ_0008339 | - | ENSG00000132680; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0015136 | - | ENSG00000143147; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0002924 | - | ENSG00000118873; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0089728 | + | ENSG000000181090; CVB5_5Y2,CVB5_5Y |
| novel_circ_0005264 | - | n/a; CVB5_5Y2,CVB5_5Y |
| novel_circ_0005717 | + | ENSG000000108848; CVB5_5Y2,CVB5_5Y |
| novel_circ_0005013 | - | ENSG00000132604; CVB5_5Y2,CVB5_5Y |
| novel_circ_0006753 | + | ENSG00000099331; CVB5_5Y2,CVB5_5Y |
| novel_circ_0006605 | + | ENSG00000060069; CVB5_5Y2,CVB5_5Y |
| novel_circ_0013189 | - | ENSG000000159692; CVB5_5Y2,CVB5_5Y |
| novel_circ_0012416 | + | ENSG000000188001; CVB5_5Y2,CVB5_5Y |
| novel_circ_0013033 | + | ENSG000000169379; CVB5_5Y2,CVB5_5Y |
| novel_circ_0010031 | - | ENSG000000135966; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0027775 | + | ENSG00000111142; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0008451 | - | ENSG00000110713; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0007866 | - | ENSG000000234857;ENSG0 CVB5_5Y2,CVB5_5Y |
| hsa_circ_0018281 | - | ENSG000000172671; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0006243 | - | ENSG000000225830; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0008874 | + | ENSG00000108239; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0003638 | + | ENSG000000087095; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0043280 | + | ENSG000000276234; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0006631 | - | ENSG00000074755; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0006255 | - | ENSG000000108840; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0045931 | - | ENSG00000055483; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0004519 | - | ENSG00000168411; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0004033 | - | ENSG000000159322; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0031615 | - | ENSG000000198604; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0051399 | + | ENSG00000142273; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0060745 | + | ENSG00000124207; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0004343 | - | ENSG00000002822; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0007823 | + | ENSG000000106346; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0005629 | - | ENSG000000135074; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0075143 | + | ENSG00000113761; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0071189 | - | ENSG00000198589; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0006498 | + | ENSG000000153767; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0067013 | + | ENSG00000065485; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0057041 | - | ENSG00000123600; CVB5_5Y2,CVB5_5Y |
| hsa_circ_0008979 | - | ENSG00000180398; CVB5_5Y2,CVB5_5Y |
| CircRNA ID          | Strand | Gene ID                                      | Samples                |
|--------------------|--------|----------------------------------------------|------------------------|
| hsa_circ_0008062   | +      | ENSG0000017293;                              | CVB5_5Y2,CVB5_5Y       |
| hsa_circ_0065258   | -      | ENSG0000017343;                              | CVB5_5Y2,CVB5_5Y       |
| hsa_circ_0016733   | -      | ENSG00000143776;                             | CVB5_5Y2,CVB5_5Y       |
| hsa_circ_0004834   | +      | ENSG000000270106;                            | ENSG00000270106,CVB5_5Y2,CVB5_5Y |
| hsa_circ_0007617   | +      | ENSG00000121766;                             | CVB5_5Y2,CVB5_5Y       |
| hsa_circ_0001880   | +      | ENSG00000119318;                             | CVB5_5Y2,CVB5_5Y       |
| novel_circ_0018731 | -      | ENSG00000181544;                             | CVB5_5Y2,CVB5_5Y       |
| novel_circ_0014596 | +      | ENSG00000164258;                             | CVB5_5Y2,CVB5_5Y       |
| novel_circ_0009026 | +      | ENSG00000117528;                             | CVB5_5Y2,CVB5_5Y       |
| hsa_circ_0006598   | -      | ENSG00000185291;                             | CVB5_5Y3               |
| hsa_circ_0005518   | -      | ENSG00000086758;                             | CVB5_5Y3               |
| hsa_circ_0001880   | +      | ENSG00000119318;                             | CVB5_5Y2,CVB5_5Y       |
| hsa_circ_00027867  | +      | ENSG00000136021;                             | CVB5_5Y3               |
| hsa_circ_0029348   | -      | ENSG00000073060;                             | CVB5_5Y3               |
| hsa_circ_0025851   | +      | ENSG00000087470;                             | CVB5_5Y3               |
| hsa_circ_0026240   | +      | ENSG00000161813;                             | CVB5_5Y3               |
| hsa_circ_0004538   | -      | ENSG00000110925;                             | CVB5_5Y3               |
| hsa_circ_0026262   | +      | ENSG00000185591;                             | CVB5_5Y3               |
| hsa_circ_0027380   | +      | ENSG00000196935;                             | CVB5_5Y3               |
| hsa_circ_0027459   | -      | ENSG00000111554;                             | CVB5_5Y3               |
| hsa_circ_0027502   | +      | ENSG00000111605;                             | CVB5_5Y3               |
| hsa_circ_0005612   | +      | ENSG00000149311;                             | CVB5_5Y3               |
| hsa_circ_0024296   | +      | ENSG00000150768;                             | CVB5_5Y3               |
| hsa_circ_0003509   | -      | ENSG00000149187;                             | CVB5_5Y3               |
| hsa_circ_0022723   | -      | ENSG00000110047;                             | CVB5_5Y3               |
| hsa_circ_0023885   | -      | ENSG00000073921;                             | CVB5_5Y3               |
| hsa_circ_0023925   | -      | ENSG00000073921;                             | CVB5_5Y3               |
| hsa_circ_0006555   | -      | ENSG00000166169;                             | CVB5_5Y3               |
| hsa_circ_0002676   | -      | ENSG00000065154;                             | CVB5_5Y3               |
| hsa_circ_0008123   | +      | ENSG00000107938;                             | CVB5_5Y3               |
| hsa_circ_0000225   | +      | ENSG00000120539;                             | CVB5_5Y3               |
| hsa_circ_0018074   | -      | ENSG00000107951;                             | CVB5_5Y3               |
| hsa_circ_0018196   | +      | ENSG00000095794;                             | CVB5_5Y3               |
| hsa_circ_0018882   | +      | ENSG00000035403;                             | CVB5_5Y3               |
| hsa_circ_0018889   | +      | ENSG00000035403;                             | CVB5_5Y3               |
| hsa_circ_0019240   | -      | ENSG00000173145;                             | CVB5_5Y3               |
| hsa_circ_0019488   | -      | ENSG00000107554;                             | CVB5_5Y3               |
| hsa_circ_0041290   | -      | ENSG00000174231;                             | CVB5_5Y3               |
| hsa_circ_0042341   | -      | ENSG00000176974;                             | CVB5_5Y3               |
| hsa_circ_0041383   | -      | ENSG00000070366;                             | CVB5_5Y3               |
| hsa_circ_0005336   | +      | ENSG00000109046;                             | CVB5_5Y3               |
| hsa_circ_0043695   | -      | ENSG00000141698;                             | CVB5_5Y3               |
| hsa_circ_0007272   | -      | ENSG00000170832;                             | CVB5_5Y3               |
| hsa_circ_0045041   | -      | ENSG00000108506;                             | CVB5_5Y3               |
| hsa_circ_0045698   | +      | ENSG00000132470;                             | CVB5_5Y3               |
| hsa_circ_0046264   | -      | ENSG00000185624;                             | CVB5_5Y3               |
| hsa_circ_0046430   | +      | ENSG00000141568;                             | CVB5_5Y3               |
| hsa_circ_0038073   | +      | ENSG00000103222;                             | CVB5_5Y3               |
| hsa_circ_0006663   | -      | ENSG00000073922;                             | CVB5_5Y3               |
| hsa_circ_0039202   | -      | ENSG00000069329;                             | CVB5_5Y3               |
| hsa_circ_0040559   | -      | ENSG00000065427;                             | CVB5_5Y3               |
| hsa_circ_0034762   | +      | ENSG00000137802;                             | CVB5_5Y3               |
| hsa_circ_0003829   | +      | ENSG00000166734;                             | CVB5_5Y3               |
| hsa_circ_0035818   | +      | ENSG00000028528;                             | CVB5_5Y3               |
| Gene ID       | Direction | Ensembl ID                  | Species   |
|--------------|-----------|-----------------------------|-----------|
| hsa_circ_0072540 | +        | ENSG000000062194; CVB5_5Y3 |           |
| hsa_circ_0072548 | +        | ENSG00000062194; CVB5_5Y3  |           |
| hsa_circ_0072732 | +        | ENSG00000112851; CVB5_5Y3  |           |
| hsa_circ_0071758 | -        | ENSG00000037474; CVB5_5Y3  |           |
| hsa_circ_0006859 | -        | ENSG00000171617; CVB5_5Y3  |           |
| hsa_circ_0008408 | +        | ENSG00000109685; CVB5_5Y3  |           |
| hsa_circ_009776 | +        | ENSG00000134851; CVB5_5Y3  |           |
| hsa_circ_0069819 | +        | ENSG00000174799; CVB5_5Y3  |           |
| hsa_circ_0004334 | -        | ENSG00000138674; CVB5_5Y3  |           |
| hsa_circ_0067322 | -        | ENSG00000114127; CVB5_5Y3  |           |
| hsa_circ_0067627 | -        | ENSG00000181744; CVB5_5Y3  |           |
| hsa_circ_0067680 | +        | ENSG00000008952; CVB5_5Y3  |           |
| hsa_circ_0065649 | -        | ENSG00000067560; CVB5_5Y3  |           |
| hsa_circ_0008107 | -        | ENSG00000067560; CVB5_5Y3  |           |
| hsa_circ_0066273 | +        | ENSG00000115183; CVB5_5Y3  |           |
| hsa_circ_0008427 | +        | ENSG00000134851; CVB5_5Y3  |           |
| hsa_circ_0000477 | -        | ENSG00000067560; CVB5_5Y3  |           |
| hsa_circ_0018091 | -        | ENSG00000173889; CVB5_5Y3  |           |
| hsa_circ_0054609 | -        | ENSG00000067560; CVB5_5Y3  |           |
| hsa_circ_0000836 | +        | ENSG0000016568024; CVB5_5Y3 |           |
| hsa_circ_0005496 | +        | ENSG00000115758; CVB5_5Y3  |           |
| hsa_circ_0000223 | -        | ENSG00000115758; CVB5_5Y3  |           |
| hsa_circ_0000996 | +        | ENSG00000144118; CVB5_5Y3  |           |
| hsa_circ_0000594 | +        | ENSG00000144118; CVB5_5Y3  |           |
| hsa_circ_0001011 | +        | ENSG00000144233; CVB5_5Y3  |           |
| hsa_circ_0001525 | +        | ENSG00000144426; CVB5_5Y3  |           |
| hsa_circ_0001548 | +        | ENSG00000155917; CVB5_5Y3  |           |
| hsa_circ_0000007 | -        | ENSG00000067560; CVB5_5Y3  |           |
| hsa_circ_0011142 | +        | ENSG00000173889; CVB5_5Y3  |           |
| Gene Symbol               | Type   | Ensembl Gene Identifier   | Species | Chromosome | Start Position | End Position |
|---------------------------|--------|---------------------------|---------|------------|----------------|--------------|
| novel_circ_0014198        | -      | ENSG00000113013           | CVB5_5Y3|            |                |              |
| novel_circ_0014378        | +      | ENSG00000113643           | CVB5_5Y3|            |                |              |
| novel_circ_0014388        | +      | ENSG00000204764           | CVB5_5Y3|            |                |              |
| novel_circ_0014464        | -      | ENSG00000131459           | CVB5_5Y3|            |                |              |
| novel_circ_0014499        | +      | ENSG00000113407           | CVB5_5Y3|            |                |              |
| novel_circ_0014767        | +      | ENSG00000164252:ENSG0     | CVB5_5Y3|            |                |              |
| novel_circ_0014253        | +      | ENSG00000164134           | CVB5_5Y3|            |                |              |
| novel_circ_0013253        | +      | ENSG000000171205          | CVB5_5Y3|            |                |              |
| novel_circ_0013341        | -      | ENSG00000198589           | CVB5_5Y3|            |                |              |
| novel_circ_0013439        | -      | ENSG00000163950           | CVB5_5Y3|            |                |              |
| novel_circ_0013486        | +      | ENSG00000205129           | CVB5_5Y3|            |                |              |
| novel_circ_0013568        | +      | ENSG00000125386           | CVB5_5Y3|            |                |              |
| novel_circ_0013753        | +      | ENSG00000090989           | CVB5_5Y3|            |                |              |
| novel_circ_0013837        | -      | ENSG00000118816           | CVB5_5Y3|            |                |              |
| novel_circ_0013919        | -      | ENSG00000138640           | CVB5_5Y3|            |                |              |
| novel_circ_0011879        | +      | ENSG00000153767           | CVB5_5Y3|            |                |              |
| novel_circ_0011934        | -      | ENSG00000163848           | CVB5_5Y3|            |                |              |
| novel_circ_0011979        | -      | ENSG00000114656           | CVB5_5Y3|            |                |              |
| novel_circ_0012031        | +      | ENSG0000014054            | CVB5_5Y3|            |                |              |
| novel_circ_0012090        | +      | ENSG00000069849           | CVB5_5Y3|            |                |              |
| novel_circ_0012118        | +      | ENSG00000131379           | CVB5_5Y3|            |                |              |
| novel_circ_0012161        | +      | ENSG00000131375           | CVB5_5Y3|            |                |              |
| novel_circ_0012209        | -      | ENSG00000068885:ENSG0     | CVB5_5Y3|            |                |              |
| novel_circ_0012333        | -      | ENSG00000043093           | CVB5_5Y3|            |                |              |
| novel_circ_0012427        | -      | ENSG00000114331           | CVB5_5Y3|            |                |              |
| novel_circ_0012439        | -      | ENSG00000286168           | CVB5_5Y3|            |                |              |
| novel_circ_0012586        | +      | ENSG00000153551           | CVB5_5Y3|            |                |              |
| novel_circ_0012991        | -      | ENSG00000172340           | CVB5_5Y3|            |                |              |
| novel_circ_0010029        | -      | ENSG00000115758           | CVB5_5Y3|            |                |              |
| novel_circ_0010095        | +      | ENSG00000188177           | CVB5_5Y3|            |                |              |
| novel_circ_0010263        | +      | ENSG00000080345           | CVB5_5Y3|            |                |              |
| novel_circ_0010272        | -      | ENSG00000151779           | CVB5_5Y3|            |                |              |
| novel_circ_0010284        | -      | ENSG00000196504           | CVB5_5Y3|            |                |              |
| novel_circ_0010568        | +      | ENSG00000196950           | CVB5_5Y3|            |                |              |
| novel_circ_0010612        | -      | ENSG00000115942           | CVB5_5Y3|            |                |              |
| novel_circ_0010664        | -      | ENSG00000055917           | CVB5_5Y3|            |                |              |
| novel_circ_0010672        | +      | ENSG00000138443           | CVB5_5Y3|            |                |              |
| novel_circ_0010801        | +      | n/a                       | CVB5_5Y3|            |                |              |
| novel_circ_0010844        | +      | ENSG00000168958           | CVB5_5Y3|            |                |              |
| novel_circ_0010859        | -      | ENSG00000035115           | CVB5_5Y3|            |                |              |
| novel_circ_0010860        | -      | ENSG00000163053           | CVB5_5Y3|            |                |              |
| novel_circ_0010870        | -      | ENSG00000135932           | CVB5_5Y3|            |                |              |
| novel_circ_0010957        | -      | ENSG00000130414           | CVB5_5Y3|            |                |              |
| novel_circ_0010994        | -      | ENSG00000198399           | CVB5_5Y3|            |                |              |
| novel_circ_0011036        | -      | ENSG00000138002           | CVB5_5Y3|            |                |              |
| novel_circ_0011164        | +      | ENSG00000124356           | CVB5_5Y3|            |                |              |
| novel_circ_0011623        | -      | ENSG00000114993           | CVB5_5Y3|            |                |              |
| novel_circ_0011670        | -      | ENSG00000172086           | CVB5_5Y3|            |                |              |
| novel_circ_0011671        | -      | ENSG00000134313           | CVB5_5Y3|            |                |              |
| novel_circ_0007209        | +      | ENSG00000116266           | CVB5_5Y3|            |                |              |
| novel_circ_0007221        | -      | ENSG00000134222           | CVB5_5Y3|            |                |              |
| novel_circ_0007226        | +      | n/a                       | CVB5_5Y3|            |                |              |
| novel_circ_0007488        | -      | ENSG00000160075           | CVB5_5Y3|            |                |              |
| novel_circ_0007540        | +      | ENSG00000143179           | CVB5_5Y3|            |                |              |
| novel_circ_0007636        | +      | ENSG00000152061           | CVB5_5Y3|            |                |              |
| novel_circ_0007662        | -      | ENSG0000008130            | CVB5_5Y3|            |                |              |
| novel_circ_0007801        | -      | ENSG00000118193           | CVB5_5Y3|            |                |              |
| novel_circ_0007843        | +      | ENSG00000198625           | CVB5_5Y3|            |                |              |
| Gene ID          | Start       | End         | Start of overlap | End of overlap |
|------------------|-------------|-------------|------------------|----------------|
| novel_circ_0007845 | -           | ENSG00000133059; |                  |                |
| novel_circ_0007882 | -           | ENSG00000196878; |                  |                |
| novel_circ_0007912  | +           | ENSG00000162772; |                  |                |
| novel_circ_0007938  | +           | ENSG00000067606; |                  |                |
| novel_circ_0007969  | -           | ENSG00000196660; |                  |                |
| novel_circ_0008126  | +           | ENSG00000270106;ENSG0 |                 |                |
| novel_circ_0008174  | -           | ENSG00000054267; |                  |                |
| novel_circ_0008281  | +           | ENSG00000162852; |                  |                |
| novel_circ_0008346  | -           | ENSG00000116350; |                  |                |
| novel_circ_0008420  | +           | ENSG00000197056; |                  |                |
| novel_circ_0008996  | +           | ENSG00000122483; |                  |                |
| novel_circ_0018047  | -           | ENSG00000125485; |                  |                |
| novel_circ_0018060  | +           | ENSG00000196363; |                  |                |
| novel_circ_0018156  | +           | ENSG00000188352; |                  |                |
| novel_circ_0018194  | -           | ENSG00000120159; |                  |                |
| novel_circ_0016913  | -           | ENSG00000064313; |                  |                |
| novel_circ_0017773  | +           | ENSG00000106701; |                  |                |
| novel_circ_0017879  | -           | ENSG00000119402; |                  |                |
| novel_circ_0017885  | +           | ENSG00000119397; |                  |                |
| novel_circ_0017916  | -           | ENSG00000114544; |                  |                |
| novel_circ_0018102  | +           | ENSG00000130723; |                  |                |
| novel_circ_0018130  | -           | ENSG00000125485; |                  |                |
| novel_circ_0018060  | +           | ENSG00000196363; |                  |                |
| novel_circ_0018077  | -           | ENSG00000130560; |                  |                |
| novel_circ_0018156  | +           | ENSG00000188352; |                  |                |
| novel_circ_0018194  | -           | ENSG00000120159; |                  |                |
| novel_circ_0016913  | -           | ENSG00000064313; |                  |                |
| novel_circ_0016996  | +           | ENSG00000122483; |                  |                |
| novel_circ_0017773  | +           | ENSG00000106701; |                  |                |
| novel_circ_0017879  | -           | ENSG00000119402; |                  |                |
| novel_circ_0017885  | +           | ENSG00000119397; |                  |                |
| novel_circ_0017916  | -           | ENSG00000114544; |                  |                |
| novel_circ_0018102  | +           | ENSG00000130723; |                  |                |
| novel_circ_0018130  | -           | ENSG00000125485; |                  |                |
| novel_circ_0018060  | +           | ENSG00000196363; |                  |                |
| novel_circ_0018077  | -           | ENSG00000130560; |                  |                |
| novel_circ_0018156  | +           | ENSG00000188352; |                  |                |
| novel_circ_0018194  | -           | ENSG00000120159; |                  |                |
| novel_circ_0016913  | -           | ENSG00000064313; |                  |                |
| novel_circ_0016996  | +           | ENSG00000122483; |                  |                |
| novel_circ_0017773  | +           | ENSG00000106701; |                  |                |
| novel_circ_0017879  | -           | ENSG00000119402; |                  |                |
| novel_circ_0017885  | +           | ENSG00000119397; |                  |                |
| novel_circ_0017916  | -           | ENSG00000114544; |                  |                |
| novel_circ_0018102  | +           | ENSG00000130723; |                  |                |
| hsa_circ_0001931    | -           | ENSG00000085224; |                  |                |
| hsa_circ_0028090    | -           | ENSG00000084112; |                  |                |
| hsa_circ_0021953    | -           | ENSG00000177084; |                  |                |
| hsa_circ_0025006    | +           | ENSG00000068311; |                  |                |
| hsa_circ_0001964    | +           | ENSG00000029153; |                  |                |
| hsa_circ_0020671    | +           | ENSG00000105339; |                  |                |
| hsa_circ_0003417    | +           | ENSG00000114279; |                  |                |
| hsa_circ_0004510    | -           | ENSG00000188603;ENSG0 |                 |                |
| hsa_circ_0006601    | -           | ENSG00000179151; |                  |                |
| hsa_circ_0021953    | +           | ENSG00000085224; |                  |                |
| hsa_circ_0021953    | +           | ENSG00000084112; |                  |                |
| hsa_circ_0021953    | -           | ENSG00000177084; |                  |                |
| hsa_circ_0025006    | +           | ENSG0000006831;  |                  |                |
| hsa_circ_0001964    | +           | ENSG00000084112; |                  |                |
| hsa_circ_0003417    | -           | ENSG00000114279; |                  |                |
| hsa_circ_0004510    | -           | ENSG00000188603; |                  |                |
| hsa_circ_0006601    | -           | ENSG00000179151; |                  |                |
| hsa_circ_0000353    | +           | ENSG00000085224; |                  |                |
| hsa_circ_0021953    | +           | ENSG00000084112; |                  |                |
| hsa_circ_0021953    | -           | ENSG00000177084; |                  |                |
| hsa_circ_0025006    | +           | ENSG0000006831;  |                  |                |
| hsa_circ_0001964    | +           | ENSG00000084112; |                  |                |
| hsa_circ_0003417    | -           | ENSG00000114279; |                  |                |
| hsa_circ_0000353    | +           | ENSG00000085224; |                  |                |
| hsa_circ_0021953    | +           | ENSG00000084112; |                  |                |
| hsa_circ_0021953    | -           | ENSG00000177084; |                  |                |
| hsa_circ_0025006    | +           | ENSG0000006831;  |                  |                |
| hsa_circ_0001964    | +           | ENSG00000084112; |                  |                |
| hsa_circ_0003417    | -           | ENSG00000114279; |                  |                |
| hsa_circ_0000353    | +           | ENSG00000085224; |                  |                |
| hsa_circ_0021953    | +           | ENSG00000084112; |                  |                |
hsa_circ_0006586  +  ENSG00000168522;ENSG0 CVB5_5Y3,Con_5Y1.
no_cir_circ_0002936  -  ENSG00000151849;  CVB5_5Y3,Con_5Y1.
novel_circ_0006041  +  ENSG00000168502;  CVB5_5Y3,Con_5Y1.
novel_circ_0006615  +  ENSG00000080839;  CVB5_5Y3,Con_5Y1.
novel_circ_0009247  -  ENSG00000151849;  CVB5_5Y3,Con_5Y1.
novel_circ_0012045  -  ENSG00000134852;  CVB5_5Y3,Con_5Y1.
novel_circ_0012581  +  ENSG00000152990;  CVB5_5Y3,Con_5Y1.
novel_circ_0008423  -  ENSG00000150457;  CVB5_5Y3,Con_5Y1.
hsa_circ_0029693  -  ENSG00000150457;  CVB5_5Y3,Con_5Y1.
hsa_circ_0051450  +  ENSG00000151849;  CVB5_5Y3,Con_5Y1.
hsa_circ_0069320  -  ENSG00000152990;  CVB5_5Y3,Con_5Y1.
hsa_circ_0069795  -  ENSG00000152990;  CVB5_5Y3,Con_5Y1.
hsa_circ_0070113  +  ENSG00000152990;  CVB5_5Y3,Con_5Y1.
hsa_circ_0004086  -  ENSG00000152990;  CVB5_5Y3,Con_5Y1.
hsa_circ_0065635  -  ENSG00000152990;  CVB5_5Y3,Con_5Y1.
| Gene Symbol      | Status | Ensembl ID                      | CVB5_5Y3,Con_5Y2 |
|------------------|--------|---------------------------------|------------------|
| hsa_circ_0049329 | +      | ENSG00000079805                 | CVB5_5Y3,Con_5Y2 |
| hsa_circ_0005660 | +      | ENSG000000008441                | CVB5_5Y3,Con_5Y2 |
| hsa_circ_0008299 | -      | ENSG000000186111                | CVB5_5Y3,Con_5Y2 |
| hsa_circ_0002403 | +      | ENSG000000168234                | CVB5_5Y3,Con_5Y2 |
| hsa_circ_0063300 | -      | ENSG000000283900;ENSG0          | CVB5_5Y3,Con_5Y2 |
| hsa_circ_0063408 | +      | ENSG000000010354                | CVB5_5Y3,Con_5Y2 |
| hsa_circ_0006554 | -      | ENSG00000197422                 | CVB5_5Y3,Con_5Y2 |
| hsa_circ_0003989 | +      | ENSG00000038382                 | CVB5_5Y3,Con_5Y2 |
| hsa_circ_0003227 | -      | ENSG00000143622                 | CVB5_5Y3,Con_5Y2 |
| hsa_circ_0008736 | -      | ENSG00000104960                 | CVB5_5Y3,Con_5Y2 |
| hsa_circ_0004759 | -      | ENSG00000156471                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0002856| +      | ENSG00000130177                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0001887| +      | ENSG00000082805                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0001322| +      | n/a                             | CVB5_5Y3,Con_5Y2 |
| novel_circ_0001469| +      | ENSG00000070047                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0000265| +      | ENSG00000151465                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0005838| +      | ENSG00000062716                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0006052| +      | ENSG00000073350                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0000590| -      | ENSG00000090863                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0005118| +      | ENSG00000065457                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0003768| +      | ENSG00000080815                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0006909| +      | ENSG000000105738                | CVB5_5Y3,Con_5Y2 |
| novel_circ_0007047| +      | ENSG00000104960                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0006385| +      | ENSG00000101596                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0009981| +      | ENSG00000054611                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0009409| -      | ENSG00000019186                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0009637| +      | ENSG000000182240                | CVB5_5Y3,Con_5Y2 |
| novel_circ_0015956| -      | ENSG00000081803                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0015190| -      | ENSG000000131023                | CVB5_5Y3,Con_5Y2 |
| novel_circ_0015490| -      | ENSG000000112079                | CVB5_5Y3,Con_5Y2 |
| novel_circ_0015712| -      | ENSG00000118420                 | CVB5_5Y3,Con_5Y2 |
| novel_circ_0014057| +      | ENSG000000131504                | CVB5_5Y3,Con_5Y2 |
| novel_circ_0014241| +      | ENSG000000131507                | CVB5_5Y3,Con_5Y2 |
| novel_circ_0014358| +      | ENSG000000113312                | CVB5_5Y3,Con_5Y2 |
| novel_circ_0014450| +      | ENSG000000161021                | CVB5_5Y3,Con_5Y2 |
| novel_circ_0014473| +      | n/a                             | CVB5_5Y3,Con_5Y2 |
novel_circ_0014505 + ENSG00000113460; CVB5_S3,Con_S2
novel_circ_0012176 - ENSG00000169359; CVB5_S3,Con_S2
novel_circ_0012382 + ENSG00000073803; CVB5_S3,Con_S2
novel_circ_0012575 + ENSG00000152642; CVB5_S3,Con_S2
novel_circ_0012579 + ENSG00000170293; CVB5_S3,Con_S2
novel_circ_0012707 + ENSG00000163808; CVB5_S3,Con_S2
novel_circ_0010241 - ENSG00000121964; CVB5_S3,Con_S2
novel_circ_0010267 + ENSG00000080345; CVB5_S3,Con_S2
novel_circ_0010452 + ENSG00000144354; CVB5_S3,Con_S2
novel_circ_0007324 + ENSG00000116731; CVB5_S3,Con_S2
novel_circ_0007521 + ENSG00000117143; CVB5_S3,Con_S2
novel_circ_0008287 - ENSG00000196418; CVB5_S3,Con_S2
novel_circ_0008819 - ENSG00000118454; CVB5_S3,Con_S2
novel_circ_0017815 + ENSG00000188959; CVB5_S3,Con_S2
novel_circ_0018076 - ENSG00000130559; CVB5_S3,Con_S2
novel_circ_0017147 - ENSG00000261236; CVB5_S3,Con_S2
novel_circ_0017415 - ENSG00000253729; CVB5_S3,Con_S2
novel_circ_0017446 + ENSG00000137574; CVB5_S3,Con_S2
hsa_circ_0008930 - ENSG00000147099; ENSG00000285547; CVB5_S3,Con_S2,Con_S3
hsa_circ_0030771 + ENSG00000175198; CVB5_S3,Con_S2,Con_S3
hsa_circ_0002009 + ENSG00000111203; CVB5_S3,Con_S2,Con_S3
hsa_circ_0027731 - ENSG00000057704; CVB5_S3,Con_S2,Con_S3
hsa_circ_0037527 + ENSG00000162063; CVB5_S3,Con_S2,Con_S3
hsa_circ_0040487 - ENSG00000168411; CVB5_S3,Con_S2,Con_S3
hsa_circ_0040816 + ENSG00000172530; CVB5_S3,Con_S2,Con_S3
hsa_circ_0000617 - ENSG00000074603; CVB5_S3,Con_S2,Con_S3
hsa_circ_0005684 + ENSG00000136536; CVB5_S3,Con_S2,Con_S3
hsa_circ_0011571 - ENSG00000142687; CVB5_S3,Con_S2,Con_S3
hsa_circ_00004074 + n/a CVB5_S3,Con_S2,Con_S3
hsa_circ_0008975 + ENSG00000071205; CVB5_S3,Con_S2,Con_S3
hsa_circ_00056840 + ENSG00000136536; CVB5_S3,Con_S2,Con_S3
hsa_circ_0005899 - ENSG00000143669; CVB5_S3,Con_S2,Con_S3
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hsa_circ_0005684 + ENSG00000137145; CVB5_S3,Con_S2,Con_S3
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hsa_circ_00002946 + ENSG00000147649; CVB5_S3,Con_S2,Con_S3
novel_circ_00000447 - ENSG00000107890; CVB5_S3,Con_S2,Con_S3
novel_circ_00000788 - ENSG00000166348; CVB5_S3,Con_S2,Con_S3
novel_circ_00004799 - n/a CVB5_S3,Con_S2,Con_S3
novel_circ_00004464 + ENSG00000140403; CVB5_S3,Con_S2,Con_S3
novel_circ_00003870 - ENSG00000100784; CVB5_S3,Con_S2,Con_S3
novel_circ_00003883 - ENSG00000100815; CVB5_S3,Con_S2,Con_S3
novel_circ_00006714 + ENSG00000132003; CVB5_S3,Con_S2,Con_S3
novel_circ_00006330 + ENSG00000101773; CVB5_S3,Con_S2,Con_S3
novel_circ_00009834 - ENSG00000233080; CVB5_S3,Con_S2,Con_S3
novel_circ_00009373 - ENSG00000124214; CVB5_S3,Con_S2,Con_S3
novel_circ_00015603 + ENSG00000112200; CVB5_S3,Con_S2,Con_S3
novel_circ_00015623 + ENSG00000118482; CVB5_S3,Con_S2,Con_S3
hsa_circ_00004438 - ENSG00000150990; CVB5_S3,Con_S2,Con_S3
hsa_circ_0025039 - ENSG00000111206; CVB5_S3,Con_S2,Con_S3
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hsa_circ_00020919 - ENSG000000110713; CVB5_S3,Con_S2,Con_S3
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hsa_circ_0007583 + ENSG00000158636; CVB5_S3,Con_S2,Con_S3
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