

Table S6: Expression of differentially expressed genes in epididymal fat tissue.

| Items                        | logFC | logCPM | LR    | P Value  |
|------------------------------|-------|--------|-------|----------|
| <b>DE genes HFD vs. Chow</b> |       |        |       |          |
| ENSMUSG00000078122           | 1.27  | 2.82   | 5.69  | 1.71E-02 |
| ENSMUSG00000073728           | -2.13 | -0.13  | 5.25  | 2.19E-02 |
| ENSMUSG00000072618           | 1.70  | 0.33   | 7.86  | 5.06E-03 |
| ENSMUSG00000074417           | 1.69  | -0.19  | 4.57  | 3.25E-02 |
| ENSMUSG00000038630           | -5.18 | 1.92   | 28.44 | 9.67E-08 |
| ENSMUSG00000060275           | -1.75 | 0.92   | 8.16  | 4.28E-03 |
| ENSMUSG00000086555           | -4.93 | -0.64  | 10.58 | 1.15E-03 |
| ENSMUSG00000075028           | -1.17 | 3.20   | 6.74  | 9.41E-03 |
| ENSMUSG00000071392           | -2.39 | -0.26  | 6.45  | 1.11E-02 |
| ENSMUSG00000044254           | -3.01 | -0.31  | 8.39  | 3.78E-03 |
| ENSMUSG00000028980           | 1.04  | 9.04   | 12.04 | 5.22E-04 |
| ENSMUSG00000087138           | -1.09 | 2.32   | 5.05  | 2.46E-02 |
| ENSMUSG00000086287           | 1.51  | 1.96   | 6.80  | 9.11E-03 |
| ENSMUSG00000101089           | 1.84  | 5.26   | 32.46 | 1.22E-08 |
| ENSMUSG00000035640           | -1.29 | 3.34   | 7.91  | 4.91E-03 |
| ENSMUSG00000089665           | 1.25  | 4.90   | 10.90 | 9.63E-04 |
| ENSMUSG00000084821           | -3.72 | -1.05  | 10.15 | 1.44E-03 |
| ENSMUSG00000051832           | 1.82  | 0.41   | 6.55  | 1.05E-02 |
| ENSMUSG00000042985           | 1.19  | 6.43   | 12.30 | 4.52E-04 |
| ENSMUSG00000095609           | 1.52  | 2.06   | 7.03  | 8.00E-03 |
| ENSMUSG00000087516           | -1.41 | 1.40   | 5.55  | 1.85E-02 |
| ENSMUSG00000031075           | -1.06 | 5.64   | 10.42 | 1.25E-03 |
| ENSMUSG00000079057           | 2.29  | 6.53   | 93.44 | 4.20E-22 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000035202 | -1.50 | 7.11  | 4.64  | 3.13E-02 |
| ENSMUSG00000098882 | 2.92  | -0.12 | 10.89 | 9.66E-04 |
| ENSMUSG00000049493 | -3.06 | 1.90  | 8.49  | 3.56E-03 |
| ENSMUSG00000090150 | 1.03  | 7.05  | 19.16 | 1.20E-05 |
| ENSMUSG00000086382 | 1.05  | 0.83  | 3.86  | 4.94E-02 |
| ENSMUSG00000115869 | 1.61  | 0.36  | 4.03  | 4.48E-02 |
| ENSMUSG00000086727 | 1.18  | 2.90  | 6.78  | 9.23E-03 |
| ENSMUSG00000103114 | 1.67  | 1.79  | 8.23  | 4.11E-03 |
| ENSMUSG00000111531 | 2.12  | 0.00  | 8.40  | 3.75E-03 |
| ENSMUSG00000099564 | -3.55 | 1.67  | 9.17  | 2.46E-03 |
| ENSMUSG00000099553 | -4.78 | -0.61 | 7.60  | 5.84E-03 |
| ENSMUSG00000062783 | 1.88  | 1.25  | 10.78 | 1.03E-03 |
| ENSMUSG00000086679 | 1.43  | 5.05  | 16.50 | 4.85E-05 |
| ENSMUSG00000085218 | -2.15 | 0.50  | 7.54  | 6.02E-03 |
| ENSMUSG00000085143 | 1.43  | -0.13 | 6.64  | 9.97E-03 |
| ENSMUSG00000042498 | -2.68 | 1.09  | 5.09  | 2.41E-02 |
| ENSMUSG00000073295 | -2.46 | 2.34  | 7.15  | 7.49E-03 |
| ENSMUSG00000049422 | -1.32 | 3.46  | 5.51  | 1.89E-02 |
| ENSMUSG00000019842 | -1.05 | 3.43  | 5.69  | 1.71E-02 |
| ENSMUSG00000054027 | -1.24 | 4.02  | 7.58  | 5.90E-03 |
| ENSMUSG00000018451 | -3.10 | 0.51  | 4.80  | 2.84E-02 |
| ENSMUSG00000075588 | -1.24 | 1.60  | 5.45  | 1.96E-02 |
| ENSMUSG00000030546 | 1.32  | 10.45 | 16.52 | 4.81E-05 |
| ENSMUSG00000049521 | 1.02  | 6.98  | 10.66 | 1.09E-03 |
| ENSMUSG00000074794 | 1.03  | 7.20  | 14.61 | 1.32E-04 |
| ENSMUSG00000085990 | 1.55  | 0.18  | 5.01  | 2.52E-02 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000033715 | 1.00  | 2.63  | 4.17  | 4.11E-02 |
| ENSMUSG00000023169 | -1.26 | 3.88  | 5.63  | 1.77E-02 |
| ENSMUSG00000046761 | -1.51 | 3.61  | 7.76  | 5.34E-03 |
| ENSMUSG00000024479 | -2.48 | 3.73  | 12.48 | 4.12E-04 |
| ENSMUSG00000042109 | -2.36 | 2.94  | 11.63 | 6.47E-04 |
| ENSMUSG00000053168 | 1.66  | -0.58 | 4.98  | 2.57E-02 |
| ENSMUSG00000054200 | 1.28  | 4.62  | 15.64 | 7.64E-05 |
| ENSMUSG00000075010 | 1.18  | 4.47  | 12.16 | 4.89E-04 |
| ENSMUSG00000053117 | -1.45 | 2.10  | 3.97  | 4.62E-02 |
| ENSMUSG00000025876 | 1.33  | 4.35  | 9.26  | 2.34E-03 |
| ENSMUSG00000022330 | -2.71 | 3.17  | 8.19  | 4.22E-03 |
| ENSMUSG00000022836 | -2.59 | 8.32  | 14.05 | 1.78E-04 |
| ENSMUSG00000028337 | -1.46 | 6.12  | 7.36  | 6.67E-03 |
| ENSMUSG00000030088 | 1.04  | 6.72  | 9.41  | 2.16E-03 |
| ENSMUSG00000028179 | -1.70 | 4.51  | 4.56  | 3.27E-02 |
| ENSMUSG00000004988 | -7.53 | 4.35  | 22.59 | 2.00E-06 |
| ENSMUSG00000025403 | -1.35 | 5.65  | 7.57  | 5.92E-03 |
| ENSMUSG00000038963 | -2.32 | 1.39  | 4.62  | 3.15E-02 |
| ENSMUSG00000020961 | -2.48 | 4.41  | 23.55 | 1.22E-06 |
| ENSMUSG00000037060 | 1.63  | 6.97  | 29.64 | 5.21E-08 |
| ENSMUSG00000056608 | -1.87 | 8.65  | 7.36  | 6.67E-03 |
| ENSMUSG00000020808 | 1.72  | 0.58  | 6.68  | 9.72E-03 |
| ENSMUSG00000027961 | 1.92  | 4.10  | 21.68 | 3.22E-06 |
| ENSMUSG00000020061 | -7.02 | 3.63  | 14.09 | 1.74E-04 |
| ENSMUSG00000036111 | 1.08  | 4.36  | 12.43 | 4.22E-04 |
| ENSMUSG00000054889 | -2.78 | 5.17  | 6.19  | 1.29E-02 |

|                     |       |       |       |          |
|---------------------|-------|-------|-------|----------|
| ENSMUSG00000001999  | 1.32  | 5.10  | 19.25 | 1.15E-05 |
| ENSMUSG000000079105 | -1.14 | 7.24  | 8.36  | 3.83E-03 |
| ENSMUSG000000023031 | 1.75  | 4.33  | 32.69 | 1.08E-08 |
| ENSMUSG000000059743 | -1.51 | 0.06  | 3.97  | 4.64E-02 |
| ENSMUSG000000022861 | -2.64 | 1.21  | 13.37 | 2.56E-04 |
| ENSMUSG000000041351 | -2.17 | 2.56  | 7.41  | 6.49E-03 |
| ENSMUSG000000045180 | -1.35 | 3.51  | 4.85  | 2.77E-02 |
| ENSMUSG000000030317 | 1.32  | 8.20  | 18.66 | 1.56E-05 |
| ENSMUSG000000025742 | -1.30 | 5.75  | 21.88 | 2.90E-06 |
| ENSMUSG000000052435 | 1.81  | -0.34 | 8.39  | 3.78E-03 |
| ENSMUSG000000041650 | 1.06  | 6.75  | 18.34 | 1.85E-05 |
| ENSMUSG000000022041 | -1.94 | 4.44  | 5.35  | 2.07E-02 |
| ENSMUSG000000066000 | 1.03  | 3.33  | 6.19  | 1.28E-02 |
| ENSMUSG000000025375 | 1.21  | 4.92  | 14.07 | 1.76E-04 |
| ENSMUSG000000020704 | -1.77 | 1.70  | 7.56  | 5.96E-03 |
| ENSMUSG000000035773 | 1.29  | 2.83  | 8.09  | 4.46E-03 |
| ENSMUSG000000040998 | -1.21 | 3.57  | 8.67  | 3.24E-03 |
| ENSMUSG000000033377 | 1.66  | 7.75  | 43.88 | 3.49E-11 |
| ENSMUSG000000021553 | -5.71 | 2.53  | 14.58 | 1.34E-04 |
| ENSMUSG000000001348 | 1.03  | 7.45  | 8.86  | 2.91E-03 |
| ENSMUSG000000022878 | 1.33  | 11.71 | 15.72 | 7.35E-05 |
| ENSMUSG000000062783 | 1.88  | 1.25  | 10.78 | 1.03E-03 |
| ENSMUSG000000059430 | -4.65 | 7.29  | 16.26 | 5.51E-05 |
| ENSMUSG000000035783 | -1.98 | 8.84  | 10.16 | 1.44E-03 |
| ENSMUSG000000035873 | -1.15 | 4.08  | 9.45  | 2.12E-03 |
| ENSMUSG000000020926 | -1.75 | 3.23  | 9.72  | 1.82E-03 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000054555 | 1.03  | 3.86  | 5.88  | 1.53E-02 |
| ENSMUSG00000025473 | 1.79  | 3.87  | 13.43 | 2.48E-04 |
| ENSMUSG00000029778 | 1.43  | 6.62  | 11.14 | 8.46E-04 |
| ENSMUSG00000028494 | 1.01  | 8.33  | 7.37  | 6.62E-03 |
| ENSMUSG00000033717 | -1.54 | 1.08  | 7.57  | 5.95E-03 |
| ENSMUSG00000058620 | -1.90 | -0.06 | 4.28  | 3.87E-02 |
| ENSMUSG00000022309 | -1.32 | 3.69  | 5.38  | 2.03E-02 |
| ENSMUSG00000027460 | -1.53 | 1.59  | 5.67  | 1.73E-02 |
| ENSMUSG00000029368 | 1.14  | 4.37  | 11.07 | 8.77E-04 |
| ENSMUSG00000008090 | 1.14  | 7.84  | 16.23 | 5.60E-05 |
| ENSMUSG00000041670 | -7.16 | 2.24  | 14.72 | 1.25E-04 |
| ENSMUSG00000000320 | -1.86 | 2.98  | 6.65  | 9.92E-03 |
| ENSMUSG00000041577 | 1.86  | 9.22  | 36.12 | 1.86E-09 |
| ENSMUSG00000040918 | -1.17 | 3.59  | 6.65  | 9.93E-03 |
| ENSMUSG00000041653 | 1.40  | 6.52  | 6.89  | 8.67E-03 |
| ENSMUSG00000012428 | 1.45  | 8.53  | 14.39 | 1.49E-04 |
| ENSMUSG00000074264 | 1.49  | 8.00  | 23.78 | 1.08E-06 |
| ENSMUSG00000031543 | -4.88 | 4.50  | 16.86 | 4.02E-05 |
| ENSMUSG00000069601 | -2.62 | 4.75  | 6.96  | 8.32E-03 |
| ENSMUSG00000027712 | 1.15  | 9.02  | 24.20 | 8.67E-07 |
| ENSMUSG00000018340 | 1.25  | 8.98  | 23.62 | 1.17E-06 |
| ENSMUSG00000021950 | 1.15  | 3.68  | 8.96  | 2.76E-03 |
| ENSMUSG00000019326 | 1.43  | 10.35 | 23.24 | 1.43E-06 |
| ENSMUSG00000062515 | 1.23  | 13.85 | 12.01 | 5.29E-04 |
| ENSMUSG00000030519 | -2.19 | -0.04 | 4.92  | 2.65E-02 |
| ENSMUSG00000026207 | -1.14 | 4.35  | 4.26  | 3.91E-02 |

|                     |        |       |       |          |
|---------------------|--------|-------|-------|----------|
| ENSMUSG00000022548  | -1.97  | 5.42  | 12.84 | 3.39E-04 |
| ENSMUSG00000023013  | -2.94  | 1.92  | 9.71  | 1.83E-03 |
| ENSMUSG00000024411  | -3.95  | 0.46  | 3.85  | 4.96E-02 |
| ENSMUSG00000028427  | 1.16   | 8.09  | 15.28 | 9.28E-05 |
| ENSMUSG00000035277  | 1.13   | 3.96  | 11.36 | 7.52E-04 |
| ENSMUSG00000040963  | 1.36   | 0.36  | 4.42  | 3.55E-02 |
| ENSMUSG00000076441  | -1.69  | 3.98  | 9.05  | 2.63E-03 |
| ENSMUSG00000033161  | -1.62  | 8.37  | 21.87 | 2.92E-06 |
| ENSMUSG00000026576  | -1.96  | 5.80  | 5.70  | 1.69E-02 |
| ENSMUSG00000029467  | -1.12  | 7.99  | 10.43 | 1.24E-03 |
| ENSMUSG00000041313  | -1.05  | 5.27  | 7.07  | 7.83E-03 |
| ENSMUSG00000031596  | -1.36  | 3.13  | 5.88  | 1.53E-02 |
| ENSMUSG00000052131  | -10.57 | 10.73 | 16.85 | 4.06E-05 |
| ENSMUSG00000037053  | -4.56  | 1.12  | 6.00  | 1.43E-02 |
| ENSMUSG000000102037 | 1.72   | -0.17 | 4.54  | 3.31E-02 |
| ENSMUSG00000032191  | 1.72   | 0.40  | 6.26  | 1.24E-02 |
| ENSMUSG00000022508  | 1.22   | 4.89  | 5.35  | 2.07E-02 |
| ENSMUSG00000048482  | 2.45   | 0.13  | 16.91 | 3.93E-05 |
| ENSMUSG00000074489  | -4.65  | 3.52  | 6.44  | 1.12E-02 |
| ENSMUSG00000019874  | 1.68   | 0.12  | 5.99  | 1.44E-02 |
| ENSMUSG00000008999  | -2.08  | 2.76  | 10.12 | 1.46E-03 |
| ENSMUSG00000055027  | 1.85   | 2.24  | 9.71  | 1.83E-03 |
| ENSMUSG00000082361  | 1.05   | 4.30  | 7.68  | 5.59E-03 |
| ENSMUSG00000031264  | 1.13   | 2.76  | 5.97  | 1.45E-02 |
| ENSMUSG00000041736  | 1.04   | 8.90  | 10.87 | 9.76E-04 |
| ENSMUSG00000040552  | 1.05   | 4.60  | 7.16  | 7.44E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000073418 | 1.31  | 9.41  | 14.57 | 1.35E-04 |
| ENSMUSG00000049130 | 1.04  | 4.94  | 6.60  | 1.02E-02 |
| ENSMUSG00000051331 | -1.25 | 4.46  | 4.26  | 3.90E-02 |
| ENSMUSG00000015968 | -1.69 | 3.79  | 7.81  | 5.20E-03 |
| ENSMUSG00000004110 | 2.62  | 4.18  | 40.79 | 1.69E-10 |
| ENSMUSG00000057914 | -2.70 | 1.37  | 13.73 | 2.11E-04 |
| ENSMUSG00000003534 | -1.04 | 6.47  | 14.77 | 1.22E-04 |
| ENSMUSG00000032231 | 1.41  | 9.54  | 33.40 | 7.51E-09 |
| ENSMUSG00000035547 | -1.74 | 4.78  | 12.46 | 4.15E-04 |
| ENSMUSG00000027559 | 1.27  | 13.86 | 13.00 | 3.11E-04 |
| ENSMUSG00000025888 | 1.09  | 3.80  | 8.38  | 3.79E-03 |
| ENSMUSG00000025887 | 1.07  | 4.95  | 13.38 | 2.54E-04 |
| ENSMUSG00000007122 | -3.48 | 2.59  | 7.92  | 4.88E-03 |
| ENSMUSG00000027861 | -2.23 | 2.66  | 9.50  | 2.05E-03 |
| ENSMUSG00000007655 | 1.57  | 10.84 | 23.35 | 1.35E-06 |
| ENSMUSG00000000058 | 1.21  | 8.93  | 22.63 | 1.97E-06 |
| ENSMUSG00000070436 | 1.28  | 8.23  | 13.25 | 2.72E-04 |
| ENSMUSG00000070348 | -1.27 | 5.40  | 7.76  | 5.33E-03 |
| ENSMUSG00000028076 | 2.10  | 8.29  | 46.25 | 1.04E-11 |
| ENSMUSG00000047139 | -1.75 | 6.46  | 4.76  | 2.91E-02 |
| ENSMUSG00000002944 | 1.14  | 12.01 | 11.81 | 5.88E-04 |
| ENSMUSG00000005763 | 1.36  | 2.60  | 8.38  | 3.79E-03 |
| ENSMUSG00000005087 | 1.21  | 4.95  | 11.38 | 7.43E-04 |
| ENSMUSG00000040747 | 1.08  | 4.83  | 11.04 | 8.92E-04 |
| ENSMUSG00000032679 | 1.51  | 7.57  | 41.38 | 1.26E-10 |
| ENSMUSG00000018774 | 1.33  | 5.49  | 11.25 | 7.97E-04 |

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|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000027215 | -1.06 | 6.28  | 7.71  | 5.49E-03 |
| ENSMUSG00000038147 | 1.55  | 4.20  | 12.91 | 3.27E-04 |
| ENSMUSG00000028217 | -3.73 | 2.15  | 5.13  | 2.35E-02 |
| ENSMUSG00000000305 | -3.13 | 0.85  | 11.48 | 7.04E-04 |
| ENSMUSG00000039385 | -3.66 | 1.71  | 16.89 | 3.97E-05 |
| ENSMUSG00000028551 | 1.09  | 6.70  | 22.69 | 1.91E-06 |
| ENSMUSG00000030878 | 1.26  | 5.70  | 22.76 | 1.84E-06 |
| ENSMUSG00000016028 | -2.77 | 3.95  | 8.80  | 3.02E-03 |
| ENSMUSG00000039084 | -2.26 | 1.03  | 4.10  | 4.29E-02 |
| ENSMUSG00000040809 | 2.37  | 2.04  | 7.75  | 5.38E-03 |
| ENSMUSG00000024843 | -1.64 | 4.84  | 24.94 | 5.91E-07 |
| ENSMUSG00000046159 | -2.95 | 2.19  | 14.46 | 1.43E-04 |
| ENSMUSG00000061859 | -1.68 | 4.23  | 8.09  | 4.44E-03 |
| ENSMUSG00000051159 | -3.06 | 5.13  | 3.85  | 4.97E-02 |
| ENSMUSG00000001270 | -1.52 | 7.11  | 13.05 | 3.03E-04 |
| ENSMUSG00000030399 | -6.95 | 2.27  | 15.51 | 8.22E-05 |
| ENSMUSG00000047501 | -3.60 | 3.65  | 3.99  | 4.57E-02 |
| ENSMUSG00000016756 | 1.00  | 3.98  | 7.80  | 5.22E-03 |
| ENSMUSG00000025804 | 1.10  | 2.94  | 5.43  | 1.98E-02 |
| ENSMUSG00000035448 | 2.16  | -0.24 | 5.60  | 1.80E-02 |
| ENSMUSG00000049103 | 1.12  | 5.59  | 18.85 | 1.41E-05 |
| ENSMUSG00000001349 | -5.93 | 7.29  | 20.56 | 5.78E-06 |
| ENSMUSG00000020173 | -1.38 | 3.57  | 6.85  | 8.89E-03 |
| ENSMUSG00000020953 | -5.02 | 1.89  | 14.21 | 1.64E-04 |
| ENSMUSG00000027966 | -2.42 | 0.20  | 7.42  | 6.47E-03 |
| ENSMUSG00000058806 | -2.53 | 1.10  | 8.37  | 3.82E-03 |

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|--------------------|--------|-------|-------|----------|
| ENSMUSG00000028339 | 1.86   | 7.74  | 32.84 | 9.99E-09 |
| ENSMUSG00000025064 | -1.52  | 1.10  | 4.18  | 4.09E-02 |
| ENSMUSG00000026043 | 1.13   | 9.75  | 14.07 | 1.76E-04 |
| ENSMUSG00000031502 | 1.13   | 9.80  | 9.95  | 1.61E-03 |
| ENSMUSG00000031503 | 1.05   | 9.08  | 9.01  | 2.68E-03 |
| ENSMUSG00000079465 | -1.67  | 2.65  | 9.91  | 1.64E-03 |
| ENSMUSG00000067158 | -1.67  | 4.07  | 11.73 | 6.17E-04 |
| ENSMUSG00000026837 | 1.01   | 7.32  | 9.46  | 2.10E-03 |
| ENSMUSG00000026042 | 1.34   | 6.91  | 15.87 | 6.77E-05 |
| ENSMUSG00000001119 | 1.03   | 8.54  | 13.44 | 2.47E-04 |
| ENSMUSG00000020241 | 1.32   | 8.30  | 17.88 | 2.35E-05 |
| ENSMUSG00000025650 | -2.11  | 1.94  | 11.14 | 8.46E-04 |
| ENSMUSG00000037852 | -1.50  | 6.54  | 15.38 | 8.79E-05 |
| ENSMUSG00000032060 | 1.70   | 6.33  | 31.05 | 2.52E-08 |
| ENSMUSG00000025952 | -11.23 | 4.47  | 19.38 | 1.07E-05 |
| ENSMUSG00000038067 | -3.64  | 0.42  | 5.62  | 1.77E-02 |
| ENSMUSG00000026421 | -1.61  | 8.54  | 6.71  | 9.58E-03 |
| ENSMUSG00000021939 | 1.32   | 10.67 | 19.75 | 8.82E-06 |
| ENSMUSG00000007891 | 1.25   | 9.08  | 15.87 | 6.80E-05 |
| ENSMUSG00000038642 | 1.25   | 6.76  | 19.65 | 9.32E-06 |
| ENSMUSG00000052336 | -1.26  | 2.32  | 3.86  | 4.94E-02 |
| ENSMUSG00000052974 | -1.35  | 1.29  | 5.13  | 2.35E-02 |
| ENSMUSG00000028713 | 1.09   | 6.64  | 9.71  | 1.83E-03 |
| ENSMUSG00000039519 | -2.25  | 1.45  | 7.70  | 5.52E-03 |
| ENSMUSG00000028519 | -4.46  | 0.82  | 12.49 | 4.09E-04 |
| ENSMUSG00000026399 | 1.42   | 5.77  | 25.14 | 5.32E-07 |

|                    |        |       |       |          |
|--------------------|--------|-------|-------|----------|
| ENSMUSG00000032380 | 1.02   | 3.40  | 5.95  | 1.47E-02 |
| ENSMUSG00000026385 | 1.35   | 10.61 | 13.00 | 3.11E-04 |
| ENSMUSG00000059824 | -1.35  | 3.70  | 5.79  | 1.61E-02 |
| ENSMUSG00000026208 | -2.94  | 7.07  | 13.73 | 2.11E-04 |
| ENSMUSG00000040856 | -1.62  | 1.15  | 8.28  | 4.01E-03 |
| ENSMUSG00000022102 | 1.44   | 4.35  | 18.58 | 1.63E-05 |
| ENSMUSG00000005873 | 1.20   | 8.56  | 19.53 | 9.91E-06 |
| ENSMUSG00000061576 | -5.89  | 4.53  | 7.61  | 5.82E-03 |
| ENSMUSG00000071454 | -1.02  | 3.80  | 4.20  | 4.04E-02 |
| ENSMUSG00000027490 | 1.65   | 3.57  | 14.81 | 1.19E-04 |
| ENSMUSG00000072596 | 1.72   | 4.66  | 31.73 | 1.77E-08 |
| ENSMUSG00000026525 | 1.42   | 4.68  | 12.58 | 3.90E-04 |
| ENSMUSG00000028039 | -4.28  | 1.29  | 18.57 | 1.63E-05 |
| ENSMUSG00000028040 | -2.08  | 2.08  | 8.49  | 3.58E-03 |
| ENSMUSG00000003934 | -1.72  | -0.04 | 5.79  | 1.61E-02 |
| ENSMUSG00000028017 | -2.05  | 4.16  | 5.88  | 1.53E-02 |
| ENSMUSG00000027186 | -10.92 | 2.32  | 22.37 | 2.25E-06 |
| ENSMUSG00000021728 | -3.14  | 5.91  | 21.13 | 4.30E-06 |
| ENSMUSG00000030208 | 1.09   | 8.66  | 19.31 | 1.11E-05 |
| ENSMUSG00000022995 | -1.36  | 5.33  | 12.24 | 4.68E-04 |
| ENSMUSG00000019978 | 1.38   | 8.32  | 34.63 | 3.98E-09 |
| ENSMUSG00000029859 | -1.62  | 2.55  | 5.46  | 1.94E-02 |
| ENSMUSG00000028289 | -2.29  | -0.68 | 6.39  | 1.15E-02 |
| ENSMUSG00000028664 | 1.11   | 3.06  | 7.16  | 7.47E-03 |
| ENSMUSG00000062312 | -1.06  | 5.32  | 7.94  | 4.84E-03 |
| ENSMUSG00000018166 | -2.41  | 5.19  | 6.48  | 1.09E-02 |

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|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000062209 | -2.05 | 0.36  | 5.13  | 2.35E-02 |
| ENSMUSG00000061959 | -3.86 | 2.12  | 11.70 | 6.26E-04 |
| ENSMUSG00000004151 | -1.12 | 2.93  | 6.06  | 1.38E-02 |
| ENSMUSG00000032092 | -2.53 | 2.19  | 7.70  | 5.51E-03 |
| ENSMUSG00000078771 | 1.08  | 3.42  | 8.41  | 3.72E-03 |
| ENSMUSG00000025932 | -1.94 | 0.72  | 3.97  | 4.62E-02 |
| ENSMUSG00000054477 | -2.84 | 2.36  | 8.45  | 3.65E-03 |
| ENSMUSG00000031385 | -1.73 | 0.70  | 5.65  | 1.74E-02 |
| ENSMUSG00000031444 | 1.47  | 1.87  | 4.07  | 4.36E-02 |
| ENSMUSG00000021678 | -2.29 | 3.93  | 14.09 | 1.74E-04 |
| ENSMUSG00000031443 | 3.03  | 2.15  | 13.75 | 2.09E-04 |
| ENSMUSG00000004415 | -3.67 | 1.69  | 8.89  | 2.87E-03 |
| ENSMUSG00000034171 | -2.27 | 3.90  | 13.68 | 2.17E-04 |
| ENSMUSG00000028773 | -3.16 | 1.91  | 15.55 | 8.05E-05 |
| ENSMUSG00000029581 | 1.15  | 6.06  | 18.52 | 1.68E-05 |
| ENSMUSG00000032815 | -2.34 | 3.26  | 12.46 | 4.16E-04 |
| ENSMUSG00000000392 | 1.29  | 3.38  | 5.96  | 1.47E-02 |
| ENSMUSG00000064080 | 1.37  | 7.55  | 26.20 | 3.08E-07 |
| ENSMUSG00000027204 | 1.61  | 7.93  | 27.20 | 1.83E-07 |
| ENSMUSG00000024598 | -1.97 | 1.80  | 4.42  | 3.55E-02 |
| ENSMUSG00000005339 | -1.51 | 0.38  | 5.16  | 2.31E-02 |
| ENSMUSG00000024680 | -1.48 | -0.55 | 4.41  | 3.57E-02 |
| ENSMUSG00000058715 | 1.03  | 5.24  | 9.87  | 1.68E-03 |
| ENSMUSG00000026938 | 1.13  | 4.67  | 6.69  | 9.72E-03 |
| ENSMUSG00000020140 | -2.82 | 1.04  | 7.07  | 7.84E-03 |
| ENSMUSG00000036585 | 1.30  | 6.30  | 15.79 | 7.08E-05 |

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|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000021732 | 1.22  | 5.69  | 10.94 | 9.43E-04 |
| ENSMUSG00000031137 | 3.06  | 4.31  | 39.63 | 3.08E-10 |
| ENSMUSG00000057967 | 1.27  | 1.51  | 4.45  | 3.49E-02 |
| ENSMUSG00000037225 | 1.17  | 5.22  | 19.30 | 1.12E-05 |
| ENSMUSG00000027208 | -1.51 | 2.32  | 5.33  | 2.09E-02 |
| ENSMUSG00000030849 | -1.99 | 5.17  | 14.29 | 1.57E-04 |
| ENSMUSG00000008136 | -1.21 | 2.61  | 4.65  | 3.10E-02 |
| ENSMUSG00000024222 | -1.04 | 6.81  | 6.45  | 1.11E-02 |
| ENSMUSG00000038402 | -3.62 | 1.24  | 7.39  | 6.55E-03 |
| ENSMUSG00000000838 | 1.77  | 7.57  | 68.69 | 1.16E-16 |
| ENSMUSG00000001827 | -2.39 | 3.44  | 5.19  | 2.27E-02 |
| ENSMUSG00000062661 | -1.04 | 2.60  | 4.38  | 3.64E-02 |
| ENSMUSG00000019779 | -2.28 | 4.03  | 11.10 | 8.62E-04 |
| ENSMUSG00000030278 | 1.30  | 11.55 | 15.91 | 6.63E-05 |
| ENSMUSG00000022816 | 1.04  | 8.02  | 13.04 | 3.06E-04 |
| ENSMUSG00000029603 | -2.14 | 2.41  | 10.04 | 1.53E-03 |
| ENSMUSG00000007989 | -1.02 | 3.29  | 5.03  | 2.49E-02 |
| ENSMUSG00000049791 | 1.16  | 9.08  | 16.67 | 4.44E-05 |
| ENSMUSG00000031400 | 1.24  | 7.59  | 34.65 | 3.94E-09 |
| ENSMUSG00000023267 | 2.73  | 2.18  | 17.25 | 3.28E-05 |
| ENSMUSG00000030108 | 1.34  | 6.19  | 14.56 | 1.36E-04 |
| ENSMUSG00000033066 | 1.03  | 6.15  | 8.58  | 3.40E-03 |
| ENSMUSG00000015053 | -1.52 | 5.10  | 9.89  | 1.66E-03 |
| ENSMUSG00000015619 | -3.50 | 4.23  | 16.70 | 4.38E-05 |
| ENSMUSG00000028270 | 1.21  | 5.53  | 16.26 | 5.54E-05 |
| ENSMUSG00000025127 | 1.21  | 1.92  | 4.46  | 3.48E-02 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000022144 | -3.79 | -0.43 | 13.08 | 2.98E-04 |
| ENSMUSG00000020932 | -1.96 | -0.71 | 6.13  | 1.33E-02 |
| ENSMUSG00000031431 | 1.13  | 6.99  | 16.07 | 6.11E-05 |
| ENSMUSG00000050953 | -1.33 | 6.88  | 4.14  | 4.18E-02 |
| ENSMUSG00000046352 | -2.71 | 0.18  | 13.81 | 2.02E-04 |
| ENSMUSG00000025407 | -1.26 | 1.95  | 4.19  | 4.06E-02 |
| ENSMUSG00000028542 | -1.66 | 2.93  | 8.52  | 3.52E-03 |
| ENSMUSG00000040009 | -1.82 | 2.41  | 7.27  | 7.02E-03 |
| ENSMUSG00000027070 | -2.69 | 5.56  | 8.15  | 4.30E-03 |
| ENSMUSG00000112023 | 1.01  | 4.60  | 4.63  | 3.14E-02 |
| ENSMUSG00000020524 | -3.98 | 1.22  | 6.73  | 9.47E-03 |
| ENSMUSG00000025892 | -2.48 | 1.24  | 10.84 | 9.94E-04 |
| ENSMUSG00000001985 | -1.75 | -0.42 | 6.29  | 1.22E-02 |
| ENSMUSG00000057933 | -4.53 | 1.71  | 10.53 | 1.17E-03 |
| ENSMUSG00000025068 | 1.08  | 5.78  | 12.41 | 4.28E-04 |
| ENSMUSG00000021033 | 1.33  | 8.89  | 20.92 | 4.79E-06 |
| ENSMUSG00000025059 | -1.78 | 5.77  | 3.99  | 4.57E-02 |
| ENSMUSG00000015437 | -1.48 | 0.06  | 4.09  | 4.31E-02 |
| ENSMUSG00000020331 | 1.19  | 1.78  | 4.78  | 2.89E-02 |
| ENSMUSG00000028051 | -2.71 | -0.83 | 9.41  | 2.16E-03 |
| ENSMUSG00000042770 | 1.26  | 7.15  | 24.95 | 5.87E-07 |
| ENSMUSG00000022528 | -1.25 | 4.40  | 5.95  | 1.47E-02 |
| ENSMUSG00000006611 | 1.61  | 6.19  | 21.50 | 3.54E-06 |
| ENSMUSG00000038415 | -2.71 | 0.42  | 5.42  | 1.99E-02 |
| ENSMUSG00000061436 | 1.01  | 6.40  | 16.87 | 4.00E-05 |
| ENSMUSG00000005413 | 1.18  | 4.97  | 15.66 | 7.57E-05 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000023034 | -1.75 | 5.07  | 6.44  | 1.11E-02 |
| ENSMUSG00000000938 | -4.03 | 2.42  | 7.71  | 5.48E-03 |
| ENSMUSG00000038210 | -5.56 | 1.38  | 6.23  | 1.25E-02 |
| ENSMUSG00000048763 | -1.18 | 2.94  | 6.40  | 1.14E-02 |
| ENSMUSG00000000690 | -1.45 | 5.65  | 3.96  | 4.66E-02 |
| ENSMUSG00000038721 | -1.42 | 4.72  | 4.54  | 3.31E-02 |
| ENSMUSG00000001657 | 1.04  | 7.12  | 14.27 | 1.58E-04 |
| ENSMUSG00000050368 | -2.96 | 0.67  | 6.60  | 1.02E-02 |
| ENSMUSG00000042499 | -6.33 | -0.06 | 9.80  | 1.75E-03 |
| ENSMUSG00000001819 | -8.92 | 0.43  | 10.70 | 1.07E-03 |
| ENSMUSG00000031722 | 1.51  | 10.47 | 18.69 | 1.54E-05 |
| ENSMUSG00000031613 | -1.51 | 7.78  | 7.02  | 8.08E-03 |
| ENSMUSG00000001249 | -1.96 | 3.32  | 4.41  | 3.57E-02 |
| ENSMUSG00000022096 | 1.09  | 5.54  | 7.58  | 5.91E-03 |
| ENSMUSG00000047759 | -2.58 | 0.44  | 8.24  | 4.09E-03 |
| ENSMUSG00000024507 | 1.26  | 8.35  | 24.01 | 9.56E-07 |
| ENSMUSG00000090877 | -1.47 | 5.21  | 8.53  | 3.49E-03 |
| ENSMUSG00000028763 | 1.04  | 9.52  | 10.10 | 1.48E-03 |
| ENSMUSG00000020644 | -1.02 | 4.99  | 8.21  | 4.16E-03 |
| ENSMUSG00000021379 | -1.83 | 3.79  | 15.07 | 1.04E-04 |
| ENSMUSG00000005533 | -1.00 | 5.70  | 15.26 | 9.36E-05 |
| ENSMUSG00000046070 | 1.21  | 4.03  | 4.25  | 3.93E-02 |
| ENSMUSG00000020427 | -1.01 | 5.66  | 6.51  | 1.08E-02 |
| ENSMUSG00000017493 | 1.12  | 9.65  | 18.38 | 1.81E-05 |
| ENSMUSG00000026185 | 1.08  | 7.92  | 25.04 | 5.63E-07 |
| ENSMUSG00000067149 | -1.42 | 5.87  | 5.67  | 1.73E-02 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000026981 | 2.73  | 1.95  | 13.05 | 3.03E-04 |
| ENSMUSG00000068758 | 1.08  | 4.37  | 13.93 | 1.89E-04 |
| ENSMUSG00000003882 | 1.14  | 2.69  | 5.21  | 2.25E-02 |
| ENSMUSG00000032968 | -1.71 | 2.48  | 3.87  | 4.93E-02 |
| ENSMUSG00000041324 | -1.41 | 2.52  | 4.11  | 4.26E-02 |
| ENSMUSG00000037035 | 1.02  | 6.34  | 10.13 | 1.46E-03 |
| ENSMUSG00000047182 | 1.22  | 5.95  | 14.44 | 1.45E-04 |
| ENSMUSG00000015533 | -3.89 | 3.06  | 15.37 | 8.83E-05 |
| ENSMUSG00000034664 | -1.77 | 3.75  | 6.80  | 9.12E-03 |
| ENSMUSG00000001507 | -1.13 | 5.17  | 12.48 | 4.12E-04 |
| ENSMUSG00000027111 | 1.02  | 7.31  | 15.74 | 7.26E-05 |
| ENSMUSG00000025348 | 1.12  | 7.18  | 11.50 | 6.96E-04 |
| ENSMUSG00000030789 | 1.62  | 3.36  | 13.91 | 1.91E-04 |
| ENSMUSG00000000290 | 1.38  | 5.72  | 16.26 | 5.51E-05 |
| ENSMUSG00000037254 | -1.83 | 0.93  | 5.73  | 1.67E-02 |
| ENSMUSG00000040724 | -2.04 | 2.81  | 6.77  | 9.29E-03 |
| ENSMUSG00000045534 | 1.61  | 3.78  | 13.81 | 2.02E-04 |
| ENSMUSG00000028931 | 1.13  | 3.51  | 8.67  | 3.24E-03 |
| ENSMUSG00000058975 | -5.33 | 2.62  | 14.15 | 1.69E-04 |
| ENSMUSG00000038319 | -1.45 | 4.12  | 11.48 | 7.05E-04 |
| ENSMUSG00000062609 | 1.63  | 6.12  | 17.58 | 2.76E-05 |
| ENSMUSG00000051497 | -4.25 | 5.21  | 7.20  | 7.29E-03 |
| ENSMUSG00000041695 | -1.35 | 2.73  | 4.78  | 2.88E-02 |
| ENSMUSG00000032034 | -4.73 | -0.67 | 9.67  | 1.87E-03 |
| ENSMUSG00000023243 | -1.44 | 2.91  | 4.25  | 3.93E-02 |
| ENSMUSG00000063142 | -1.97 | 2.26  | 8.55  | 3.46E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000020155 | -3.40 | 2.20  | 9.80  | 1.75E-03 |
| ENSMUSG00000041390 | 1.02  | 6.38  | 19.25 | 1.15E-05 |
| ENSMUSG00000014602 | -2.28 | 2.34  | 5.44  | 1.97E-02 |
| ENSMUSG00000026764 | -4.15 | 5.34  | 22.29 | 2.34E-06 |
| ENSMUSG00000027533 | 2.07  | 7.18  | 33.68 | 6.48E-09 |
| ENSMUSG00000066361 | 1.59  | 6.92  | 34.07 | 5.30E-09 |
| ENSMUSG00000020911 | -1.46 | 5.83  | 5.27  | 2.17E-02 |
| ENSMUSG00000059668 | -4.02 | -0.10 | 8.97  | 2.74E-03 |
| ENSMUSG00000030124 | 1.05  | 2.39  | 4.11  | 4.28E-02 |
| ENSMUSG00000026479 | -2.88 | 4.40  | 20.82 | 5.03E-06 |
| ENSMUSG00000026822 | -1.97 | 5.76  | 4.54  | 3.31E-02 |
| ENSMUSG00000059201 | 2.62  | 9.19  | 53.95 | 2.06E-13 |
| ENSMUSG00000057722 | -1.10 | 3.09  | 5.68  | 1.71E-02 |
| ENSMUSG00000068220 | 1.87  | 10.74 | 31.10 | 2.45E-08 |
| ENSMUSG00000050335 | 1.93  | 7.32  | 28.27 | 1.06E-07 |
| ENSMUSG00000053522 | 1.55  | 3.34  | 6.97  | 8.30E-03 |
| ENSMUSG00000100916 | -3.19 | -0.25 | 3.92  | 4.76E-02 |
| ENSMUSG00000003123 | 1.09  | 9.75  | 12.93 | 3.24E-04 |
| ENSMUSG00000032334 | 1.29  | 6.36  | 21.70 | 3.18E-06 |
| ENSMUSG00000024659 | 1.97  | 8.68  | 62.08 | 3.29E-15 |
| ENSMUSG00000015568 | 1.32  | 13.04 | 15.38 | 8.78E-05 |
| ENSMUSG00000018819 | 1.02  | 6.00  | 11.11 | 8.57E-04 |
| ENSMUSG00000020377 | 1.08  | 3.01  | 5.80  | 1.60E-02 |
| ENSMUSG00000032496 | -3.57 | 4.28  | 3.93  | 4.75E-02 |
| ENSMUSG00000041220 | -1.15 | 5.18  | 9.94  | 1.62E-03 |
| ENSMUSG00000024378 | -1.15 | 4.61  | 14.46 | 1.43E-04 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000041734 | 1.14  | 6.72  | 16.63 | 4.54E-05 |
| ENSMUSG00000092035 | 2.15  | 4.64  | 20.72 | 5.32E-06 |
| ENSMUSG00000034634 | -2.60 | 1.67  | 6.97  | 8.27E-03 |
| ENSMUSG00000031410 | -4.69 | -0.27 | 5.51  | 1.89E-02 |
| ENSMUSG00000026773 | 1.04  | 9.01  | 11.09 | 8.66E-04 |
| ENSMUSG00000031495 | 1.22  | 3.93  | 6.66  | 9.85E-03 |
| ENSMUSG00000021624 | 1.15  | 2.57  | 6.63  | 1.00E-02 |
| ENSMUSG00000052566 | -1.35 | 4.07  | 9.80  | 1.75E-03 |
| ENSMUSG00000034570 | -2.16 | 1.47  | 5.12  | 2.37E-02 |
| ENSMUSG00000069516 | 1.16  | 9.29  | 11.67 | 6.37E-04 |
| ENSMUSG00000069515 | 1.03  | 5.61  | 14.83 | 1.18E-04 |
| ENSMUSG00000035513 | 1.20  | 4.39  | 9.28  | 2.31E-03 |
| ENSMUSG00000029554 | -1.52 | 3.93  | 7.06  | 7.88E-03 |
| ENSMUSG00000095105 | -1.40 | 0.59  | 3.96  | 4.66E-02 |
| ENSMUSG00000028115 | -2.12 | -0.60 | 5.13  | 2.35E-02 |
| ENSMUSG00000026424 | -1.86 | -0.24 | 4.35  | 3.71E-02 |
| ENSMUSG00000026303 | -2.06 | 4.73  | 9.38  | 2.20E-03 |
| ENSMUSG00000026390 | 1.67  | 1.64  | 7.40  | 6.52E-03 |
| ENSMUSG00000045569 | 1.14  | 4.48  | 11.48 | 7.02E-04 |
| ENSMUSG00000027239 | -1.73 | 3.07  | 4.65  | 3.11E-02 |
| ENSMUSG00000036144 | 1.10  | 4.90  | 10.35 | 1.30E-03 |
| ENSMUSG00000051855 | 1.69  | 7.14  | 12.72 | 3.61E-04 |
| ENSMUSG00000030605 | 1.12  | 8.92  | 26.35 | 2.85E-07 |
| ENSMUSG00000018169 | 1.16  | 6.70  | 23.39 | 1.32E-06 |
| ENSMUSG00000042428 | -2.27 | 3.64  | 16.07 | 6.10E-05 |
| ENSMUSG00000054612 | 1.07  | 3.57  | 9.31  | 2.28E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000029417 | 1.19  | 5.31  | 9.80  | 1.75E-03 |
| ENSMUSG00000049723 | 2.48  | 4.73  | 17.06 | 3.61E-05 |
| ENSMUSG00000028226 | -2.27 | -0.20 | 5.87  | 1.54E-02 |
| ENSMUSG00000032418 | 1.22  | 8.12  | 13.41 | 2.50E-04 |
| ENSMUSG00000020695 | 1.01  | 4.52  | 9.21  | 2.41E-03 |
| ENSMUSG00000005611 | -2.01 | 4.84  | 9.41  | 2.15E-03 |
| ENSMUSG00000021469 | -4.33 | -0.99 | 8.42  | 3.70E-03 |
| ENSMUSG00000052727 | -1.76 | 5.57  | 27.66 | 1.45E-07 |
| ENSMUSG00000055407 | 1.28  | 3.91  | 10.05 | 1.52E-03 |
| ENSMUSG00000018411 | -1.77 | 3.37  | 8.98  | 2.73E-03 |
| ENSMUSG00000019982 | -2.79 | 1.37  | 7.02  | 8.06E-03 |
| ENSMUSG00000018830 | -4.04 | 9.25  | 20.06 | 7.52E-06 |
| ENSMUSG00000061086 | 1.63  | 3.48  | 14.82 | 1.18E-04 |
| ENSMUSG00000061816 | 1.38  | 5.18  | 13.18 | 2.83E-04 |
| ENSMUSG00000018417 | -1.66 | 7.13  | 12.25 | 4.66E-04 |
| ENSMUSG00000024300 | 1.28  | 4.48  | 11.30 | 7.75E-04 |
| ENSMUSG00000025885 | -1.67 | 5.05  | 5.25  | 2.20E-02 |
| ENSMUSG00000033577 | -1.58 | 6.93  | 18.72 | 1.52E-05 |
| ENSMUSG00000024388 | -2.56 | 2.00  | 5.51  | 1.89E-02 |
| ENSMUSG00000024049 | -2.27 | 4.41  | 13.00 | 3.12E-04 |
| ENSMUSG00000019907 | -1.63 | 7.24  | 11.00 | 9.10E-04 |
| ENSMUSG00000021640 | -2.80 | 1.67  | 9.21  | 2.40E-03 |
| ENSMUSG00000071715 | 1.04  | 2.91  | 4.84  | 2.78E-02 |
| ENSMUSG00000033585 | 1.26  | 4.86  | 18.23 | 1.96E-05 |
| ENSMUSG00000026950 | -1.77 | 2.57  | 5.55  | 1.85E-02 |
| ENSMUSG00000000120 | -1.35 | 0.90  | 4.46  | 3.48E-02 |

|                     |       |       |       |          |
|---------------------|-------|-------|-------|----------|
| ENSMUSG00000005397  | 1.29  | 9.45  | 19.75 | 8.81E-06 |
| ENSMUSG000000067786 | 1.71  | 10.36 | 33.62 | 6.69E-09 |
| ENSMUSG000000032271 | 1.50  | 6.82  | 23.93 | 1.00E-06 |
| ENSMUSG000000020826 | 1.16  | 2.76  | 5.06  | 2.45E-02 |
| ENSMUSG000000022206 | 1.89  | 9.75  | 39.19 | 3.85E-10 |
| ENSMUSG000000022240 | -3.20 | 1.76  | 10.09 | 1.49E-03 |
| ENSMUSG000000036437 | -1.30 | 1.91  | 3.95  | 4.69E-02 |
| ENSMUSG000000026177 | 1.02  | 4.89  | 6.27  | 1.23E-02 |
| ENSMUSG000000049134 | -2.05 | 0.39  | 4.59  | 3.22E-02 |
| ENSMUSG000000039481 | -2.29 | 2.15  | 6.09  | 1.36E-02 |
| ENSMUSG000000020297 | -5.59 | 2.14  | 13.06 | 3.02E-04 |
| ENSMUSG000000063727 | 2.20  | 3.42  | 31.31 | 2.20E-08 |
| ENSMUSG000000039196 | 2.50  | 6.96  | 30.25 | 3.80E-08 |
| ENSMUSG000000061540 | 2.76  | 0.54  | 10.96 | 9.33E-04 |
| ENSMUSG000000028359 | 2.68  | 3.58  | 38.02 | 6.99E-10 |
| ENSMUSG000000049112 | 1.58  | 4.64  | 11.10 | 8.63E-04 |
| ENSMUSG000000020787 | -4.22 | 4.91  | 14.09 | 1.75E-04 |
| ENSMUSG000000005447 | -1.43 | 3.71  | 4.40  | 3.59E-02 |
| ENSMUSG000000030774 | -1.67 | 3.59  | 15.50 | 8.23E-05 |
| ENSMUSG000000028370 | -1.52 | 1.83  | 5.42  | 1.99E-02 |
| ENSMUSG000000090223 | -8.74 | 0.27  | 13.67 | 2.18E-04 |
| ENSMUSG000000030513 | 1.28  | 6.61  | 16.87 | 4.01E-05 |
| ENSMUSG000000022489 | 1.02  | 4.56  | 7.97  | 4.75E-03 |
| ENSMUSG000000028927 | -1.98 | 3.60  | 14.30 | 1.55E-04 |
| ENSMUSG000000027805 | -1.07 | 5.19  | 4.52  | 3.36E-02 |
| ENSMUSG000000028926 | 1.04  | 5.56  | 18.42 | 1.77E-05 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000031870 | -2.89 | -1.08 | 9.12  | 2.53E-03 |
| ENSMUSG00000074417 | 1.69  | -0.19 | 4.57  | 3.25E-02 |
| ENSMUSG00000089942 | 1.38  | 0.07  | 5.72  | 1.68E-02 |
| ENSMUSG00000030427 | 1.75  | 0.63  | 5.81  | 1.59E-02 |
| ENSMUSG00000081723 | 1.36  | 0.42  | 5.05  | 2.46E-02 |
| ENSMUSG00000074417 | 1.69  | -0.19 | 4.57  | 3.25E-02 |
| ENSMUSG00000058818 | 1.09  | 4.66  | 9.32  | 2.27E-03 |
| ENSMUSG00000052889 | -1.29 | 3.17  | 5.06  | 2.45E-02 |
| ENSMUSG00000029053 | -1.24 | 3.30  | 6.39  | 1.15E-02 |
| ENSMUSG00000056220 | -1.83 | 4.72  | 7.65  | 5.69E-03 |
| ENSMUSG00000021822 | -1.18 | 6.84  | 10.79 | 1.02E-03 |
| ENSMUSG00000031425 | -1.43 | 2.58  | 6.39  | 1.15E-02 |
| ENSMUSG00000000440 | 1.14  | 7.10  | 7.24  | 7.15E-03 |
| ENSMUSG00000061718 | -2.53 | 3.85  | 4.72  | 2.98E-02 |
| ENSMUSG00000002997 | 1.79  | 9.11  | 46.79 | 7.91E-12 |
| ENSMUSG00000052920 | -1.24 | 2.29  | 4.56  | 3.28E-02 |
| ENSMUSG00000005268 | -1.80 | 5.48  | 15.62 | 7.75E-05 |
| ENSMUSG00000079037 | 1.18  | 8.63  | 16.72 | 4.32E-05 |
| ENSMUSG00000031432 | 1.05  | 6.23  | 14.42 | 1.46E-04 |
| ENSMUSG00000031995 | -1.99 | 4.82  | 4.13  | 4.20E-02 |
| ENSMUSG00000057729 | 1.35  | 2.81  | 7.29  | 6.94E-03 |
| ENSMUSG00000063887 | -2.36 | -0.42 | 8.05  | 4.54E-03 |
| ENSMUSG00000040016 | 1.42  | 5.49  | 20.78 | 5.16E-06 |
| ENSMUSG00000028036 | 2.74  | 2.07  | 24.70 | 6.71E-07 |
| ENSMUSG00000047250 | -1.99 | 5.54  | 13.95 | 1.88E-04 |
| ENSMUSG00000032487 | -8.36 | 8.08  | 24.83 | 6.26E-07 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000029838 | -2.80 | 2.70  | 9.17  | 2.46E-03 |
| ENSMUSG00000034573 | -1.12 | 5.34  | 14.03 | 1.80E-04 |
| ENSMUSG00000033295 | -1.47 | 6.42  | 7.04  | 7.98E-03 |
| ENSMUSG00000046807 | -2.43 | 3.91  | 5.35  | 2.07E-02 |
| ENSMUSG00000068748 | -4.72 | 2.97  | 15.32 | 9.09E-05 |
| ENSMUSG00000004044 | 1.31  | 10.85 | 18.37 | 1.82E-05 |
| ENSMUSG00000027832 | 2.21  | 2.16  | 18.48 | 1.71E-05 |
| ENSMUSG00000031504 | -1.49 | 3.20  | 7.47  | 6.29E-03 |
| ENSMUSG00000019478 | -1.05 | 3.56  | 5.40  | 2.01E-02 |
| ENSMUSG00000091971 | -1.36 | 3.52  | 5.17  | 2.30E-02 |
| ENSMUSG00000021708 | 1.04  | 5.64  | 9.60  | 1.94E-03 |
| ENSMUSG00000028841 | -1.82 | 2.14  | 4.70  | 3.01E-02 |
| ENSMUSG00000078496 | 1.01  | 2.51  | 4.13  | 4.21E-02 |
| ENSMUSG00000059493 | -2.04 | 2.01  | 10.02 | 1.55E-03 |
| ENSMUSG00000032454 | -3.22 | -0.30 | 3.91  | 4.80E-02 |
| ENSMUSG00000024990 | 1.40  | 9.26  | 14.91 | 1.13E-04 |
| ENSMUSG00000005973 | -1.02 | 7.00  | 4.77  | 2.89E-02 |
| ENSMUSG00000069456 | -2.84 | 2.83  | 5.06  | 2.44E-02 |
| ENSMUSG00000042453 | -1.30 | 4.03  | 6.20  | 1.28E-02 |
| ENSMUSG00000026360 | -1.14 | 5.20  | 3.98  | 4.61E-02 |
| ENSMUSG00000020599 | -2.75 | 2.53  | 5.38  | 2.04E-02 |
| ENSMUSG00000035896 | -3.34 | -0.58 | 12.15 | 4.92E-04 |
| ENSMUSG00000065037 | -2.98 | 1.26  | 6.43  | 1.12E-02 |
| ENSMUSG00000073400 | -2.18 | -0.28 | 5.67  | 1.72E-02 |
| ENSMUSG00000028150 | -1.19 | 4.41  | 11.68 | 6.32E-04 |
| ENSMUSG00000066026 | 1.19  | 7.58  | 13.49 | 2.40E-04 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000030401 | 1.32  | 5.20  | 20.84 | 5.00E-06 |
| ENSMUSG00000015843 | 1.11  | 3.44  | 5.85  | 1.56E-02 |
| ENSMUSG00000021313 | -2.49 | 1.76  | 6.35  | 1.17E-02 |
| ENSMUSG00000057378 | -3.66 | 2.20  | 7.87  | 5.03E-03 |
| ENSMUSG00000041959 | 1.27  | 8.48  | 22.91 | 1.69E-06 |
| ENSMUSG00000027907 | 1.32  | 8.99  | 27.83 | 1.32E-07 |
| ENSMUSG00000042312 | 1.11  | 6.31  | 11.53 | 6.86E-04 |
| ENSMUSG00000001025 | 1.37  | 7.63  | 19.37 | 1.07E-05 |
| ENSMUSG00000023927 | -1.81 | 4.31  | 15.79 | 7.10E-05 |
| ENSMUSG00000037071 | 1.47  | 14.99 | 16.22 | 5.65E-05 |
| ENSMUSG00000025203 | -1.13 | 7.99  | 4.83  | 2.80E-02 |
| ENSMUSG00000032181 | 1.80  | 2.35  | 9.04  | 2.63E-03 |
| ENSMUSG00000002565 | -4.61 | 3.81  | 21.79 | 3.04E-06 |
| ENSMUSG00000064329 | -3.24 | -0.63 | 8.55  | 3.46E-03 |
| ENSMUSG00000030340 | -2.08 | 3.71  | 5.92  | 1.50E-02 |
| ENSMUSG00000030873 | -2.86 | -0.51 | 12.93 | 3.23E-04 |
| ENSMUSG00000020676 | 1.28  | 5.61  | 11.58 | 6.68E-04 |
| ENSMUSG00000035385 | 2.30  | 3.50  | 26.27 | 2.97E-07 |
| ENSMUSG00000018927 | 1.29  | 7.40  | 11.98 | 5.39E-04 |
| ENSMUSG00000035373 | 2.28  | 2.66  | 18.12 | 2.07E-05 |
| ENSMUSG00000019122 | 1.52  | 6.64  | 17.89 | 2.35E-05 |
| ENSMUSG00000031778 | -1.61 | 4.29  | 15.90 | 6.67E-05 |
| ENSMUSG00000000753 | 1.55  | 6.89  | 23.65 | 1.16E-06 |
| ENSMUSG00000045954 | 1.20  | 9.55  | 16.27 | 5.50E-05 |
| ENSMUSG00000048163 | 1.03  | 4.59  | 8.54  | 3.48E-03 |
| ENSMUSG00000041571 | 1.14  | 9.03  | 12.99 | 3.13E-04 |

|                     |       |       |       |          |
|---------------------|-------|-------|-------|----------|
| ENSMUSG00000002111  | 1.06  | 4.85  | 8.33  | 3.91E-03 |
| ENSMUSG000000021319 | 2.17  | 3.44  | 20.08 | 7.41E-06 |
| ENSMUSG000000001508 | -2.94 | 1.40  | 6.75  | 9.39E-03 |
| ENSMUSG000000030283 | -1.63 | -0.30 | 3.86  | 4.93E-02 |
| ENSMUSG000000025789 | -2.33 | 0.38  | 9.54  | 2.01E-03 |
| ENSMUSG000000001095 | -4.45 | 0.29  | 18.57 | 1.64E-05 |
| ENSMUSG000000033965 | -1.25 | 5.00  | 3.86  | 4.93E-02 |
| ENSMUSG000000001918 | 1.35  | 10.57 | 23.73 | 1.11E-06 |
| ENSMUSG000000023829 | -2.73 | 0.58  | 4.27  | 3.87E-02 |
| ENSMUSG000000040966 | 2.51  | 0.81  | 10.04 | 1.54E-03 |
| ENSMUSG000000024354 | -3.06 | 1.21  | 9.05  | 2.62E-03 |
| ENSMUSG000000018566 | 1.04  | 6.80  | 6.50  | 1.08E-02 |
| ENSMUSG000000040010 | -1.57 | 4.56  | 6.11  | 1.34E-02 |
| ENSMUSG000000054640 | -1.60 | 3.49  | 6.18  | 1.29E-02 |
| ENSMUSG000000017002 | 1.01  | 4.94  | 6.38  | 1.15E-02 |
| ENSMUSG000000023064 | 1.95  | 10.17 | 46.25 | 1.04E-11 |
| ENSMUSG000000060429 | 1.05  | 6.85  | 11.01 | 9.08E-04 |
| ENSMUSG000000072941 | 1.59  | 8.86  | 27.93 | 1.26E-07 |
| ENSMUSG000000049313 | -1.62 | 5.39  | 25.50 | 4.43E-07 |
| ENSMUSG000000063632 | 1.29  | 1.63  | 5.92  | 1.50E-02 |
| ENSMUSG000000076431 | -1.22 | 4.19  | 10.20 | 1.41E-03 |
| ENSMUSG000000000567 | -2.02 | 3.85  | 6.81  | 9.05E-03 |
| ENSMUSG000000018593 | 1.61  | 11.31 | 24.54 | 7.29E-07 |
| ENSMUSG000000061878 | -1.77 | 3.74  | 7.48  | 6.24E-03 |
| ENSMUSG000000021091 | 1.77  | 7.80  | 23.68 | 1.14E-06 |
| ENSMUSG000000079012 | 1.47  | 1.26  | 3.85  | 4.99E-02 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000028415 | -3.80 | -0.25 | 8.78  | 3.05E-03 |
| ENSMUSG00000020315 | 1.09  | 10.52 | 16.74 | 4.28E-05 |
| ENSMUSG00000067889 | -5.23 | 5.26  | 23.56 | 1.21E-06 |
| ENSMUSG00000041633 | 1.01  | 5.51  | 10.96 | 9.29E-04 |
| ENSMUSG00000039963 | -2.05 | 2.92  | 4.78  | 2.87E-02 |
| ENSMUSG00000034156 | -1.83 | 2.00  | 5.43  | 1.98E-02 |
| ENSMUSG00000033722 | -1.69 | 3.57  | 12.73 | 3.60E-04 |
| ENSMUSG00000050164 | -3.50 | -0.02 | 6.15  | 1.32E-02 |
| ENSMUSG00000046764 | 1.10  | 4.80  | 8.90  | 2.85E-03 |
| ENSMUSG00000070498 | -2.85 | 3.27  | 4.08  | 4.33E-02 |
| ENSMUSG00000053182 | -2.86 | 0.78  | 5.43  | 1.98E-02 |
| ENSMUSG00000034324 | -3.06 | 1.88  | 15.06 | 1.04E-04 |
| ENSMUSG00000093930 | 1.14  | 6.97  | 11.16 | 8.35E-04 |
| ENSMUSG00000032327 | -1.56 | 0.11  | 6.48  | 1.09E-02 |
| ENSMUSG00000032358 | -3.50 | -0.89 | 12.04 | 5.20E-04 |
| ENSMUSG00000022949 | -2.43 | 3.62  | 5.23  | 2.22E-02 |
| ENSMUSG00000025780 | 1.34  | 9.58  | 25.65 | 4.09E-07 |
| ENSMUSG00000031144 | 2.22  | 3.57  | 26.45 | 2.70E-07 |
| ENSMUSG00000031170 | -3.16 | 4.94  | 6.54  | 1.06E-02 |
| ENSMUSG00000050751 | -2.21 | 0.83  | 5.94  | 1.48E-02 |
| ENSMUSG00000021536 | -2.10 | 0.26  | 6.42  | 1.13E-02 |
| ENSMUSG00000006711 | -2.62 | -1.00 | 6.82  | 9.02E-03 |
| ENSMUSG00000037541 | -1.80 | 2.58  | 8.17  | 4.25E-03 |
| ENSMUSG00000061013 | -4.50 | 1.08  | 8.26  | 4.06E-03 |
| ENSMUSG00000063626 | -5.67 | 0.86  | 13.23 | 2.76E-04 |
| ENSMUSG00000037119 | -1.13 | 6.66  | 11.26 | 7.90E-04 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000058743 | 2.15  | 1.05  | 8.88  | 2.88E-03 |
| ENSMUSG00000060716 | -2.27 | 2.80  | 6.27  | 1.23E-02 |
| ENSMUSG00000046997 | -2.75 | 0.84  | 8.23  | 4.12E-03 |
| ENSMUSG00000025877 | 1.45  | 3.04  | 7.09  | 7.76E-03 |
| ENSMUSG00000040877 | -1.28 | 3.31  | 4.88  | 2.71E-02 |
| ENSMUSG00000040387 | -2.89 | 0.16  | 13.92 | 1.91E-04 |
| ENSMUSG00000032261 | -1.06 | 3.68  | 4.11  | 4.25E-02 |
| ENSMUSG00000043782 | -1.93 | -0.24 | 4.35  | 3.71E-02 |
| ENSMUSG00000060002 | 1.03  | 9.90  | 8.71  | 3.17E-03 |
| ENSMUSG00000039497 | 1.36  | 5.75  | 28.72 | 8.35E-08 |
| ENSMUSG00000049625 | 1.02  | 3.31  | 6.52  | 1.07E-02 |
| ENSMUSG00000033187 | -3.80 | -0.97 | 12.29 | 4.56E-04 |
| ENSMUSG00000048489 | 1.44  | 5.99  | 13.26 | 2.71E-04 |
| ENSMUSG00000054293 | 1.54  | 1.08  | 7.79  | 5.24E-03 |
| ENSMUSG00000033595 | -1.82 | 1.93  | 7.68  | 5.57E-03 |
| ENSMUSG00000042215 | -1.72 | 3.72  | 8.61  | 3.34E-03 |
| ENSMUSG00000028919 | -2.13 | 2.04  | 7.70  | 5.52E-03 |
| ENSMUSG00000053024 | 2.25  | -0.28 | 6.00  | 1.43E-02 |
| ENSMUSG00000027224 | 3.50  | 1.76  | 34.86 | 3.54E-09 |
| ENSMUSG00000000093 | -1.76 | 5.46  | 9.75  | 1.79E-03 |
| ENSMUSG00000029925 | 1.10  | 3.82  | 6.16  | 1.31E-02 |
| ENSMUSG00000043085 | -1.72 | -0.33 | 4.73  | 2.97E-02 |
| ENSMUSG00000001604 | -1.25 | 2.10  | 4.36  | 3.69E-02 |
| ENSMUSG00000045680 | -1.08 | 3.85  | 6.28  | 1.22E-02 |
| ENSMUSG00000074923 | -1.83 | 0.29  | 4.71  | 2.99E-02 |
| ENSMUSG00000045838 | 1.09  | 5.48  | 11.98 | 5.37E-04 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000040616 | -2.13 | 5.28  | 5.22  | 2.23E-02 |
| ENSMUSG00000020542 | -4.39 | 2.07  | 18.08 | 2.12E-05 |
| ENSMUSG00000021265 | -1.21 | 3.53  | 4.43  | 3.52E-02 |
| ENSMUSG00000039886 | 1.34  | 7.58  | 17.14 | 3.47E-05 |
| ENSMUSG00000067649 | 3.06  | 0.70  | 23.90 | 1.01E-06 |
| ENSMUSG00000054942 | -1.23 | 4.52  | 4.21  | 4.02E-02 |
| ENSMUSG00000048329 | -1.70 | 1.30  | 4.66  | 3.10E-02 |
| ENSMUSG00000039116 | -2.12 | 4.05  | 14.08 | 1.75E-04 |
| ENSMUSG00000039835 | -1.27 | 5.03  | 4.51  | 3.37E-02 |
| ENSMUSG00000038522 | -2.32 | 1.95  | 7.46  | 6.29E-03 |
| ENSMUSG00000006764 | 4.23  | -0.35 | 12.79 | 3.48E-04 |
| ENSMUSG00000034127 | -1.84 | 2.09  | 6.20  | 1.28E-02 |
| ENSMUSG00000040502 | -1.44 | 2.85  | 4.99  | 2.55E-02 |
| ENSMUSG00000040345 | 1.10  | 3.89  | 7.48  | 6.23E-03 |
| ENSMUSG00000034614 | -1.06 | 4.29  | 8.65  | 3.27E-03 |
| ENSMUSG00000020467 | 1.13  | 7.74  | 18.57 | 1.63E-05 |
| ENSMUSG00000037393 | -3.99 | -0.50 | 5.10  | 2.39E-02 |
| ENSMUSG00000002249 | -1.16 | 4.04  | 10.34 | 1.30E-03 |
| ENSMUSG00000020905 | -1.46 | 2.24  | 9.48  | 2.08E-03 |
| ENSMUSG00000040950 | 1.07  | 5.16  | 8.72  | 3.15E-03 |
| ENSMUSG00000040938 | -1.33 | 3.58  | 5.02  | 2.51E-02 |
| ENSMUSG00000003949 | -1.70 | 3.90  | 11.52 | 6.89E-04 |
| ENSMUSG00000047181 | -1.21 | 3.63  | 7.19  | 7.32E-03 |
| ENSMUSG00000034947 | 1.24  | 5.63  | 14.43 | 1.46E-04 |
| ENSMUSG00000034685 | -1.77 | 4.62  | 11.19 | 8.23E-04 |
| ENSMUSG00000063193 | 1.72  | 3.61  | 11.44 | 7.21E-04 |

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|--------------------|-------|------|-------|----------|
| ENSMUSG00000034641 | 1.06  | 4.09 | 7.15  | 7.49E-03 |
| ENSMUSG00000020782 | -1.25 | 4.98 | 6.68  | 9.78E-03 |
| ENSMUSG00000045679 | 1.55  | 4.93 | 27.45 | 1.62E-07 |
| ENSMUSG00000035472 | -1.90 | 1.50 | 4.88  | 2.72E-02 |
| ENSMUSG00000045404 | 1.16  | 1.65 | 4.89  | 2.70E-02 |
| ENSMUSG00000021198 | 2.26  | 1.06 | 15.27 | 9.34E-05 |
| ENSMUSG00000072825 | -1.13 | 5.41 | 13.82 | 2.02E-04 |
| ENSMUSG00000029999 | -2.12 | 3.01 | 11.47 | 7.06E-04 |
| ENSMUSG00000022218 | -1.27 | 1.34 | 4.47  | 3.46E-02 |
| ENSMUSG00000040152 | 2.46  | 9.88 | 38.83 | 4.63E-10 |
| ENSMUSG00000035686 | 1.62  | 9.12 | 17.03 | 3.69E-05 |
| ENSMUSG00000045312 | 1.15  | 6.56 | 23.72 | 1.12E-06 |
| ENSMUSG00000021684 | -1.88 | 3.32 | 7.00  | 8.14E-03 |
| ENSMUSG00000091387 | -5.46 | 1.51 | 14.71 | 1.26E-04 |
| ENSMUSG00000001131 | 1.26  | 1.96 | 4.27  | 3.88E-02 |
| ENSMUSG00000034771 | -1.00 | 3.03 | 3.99  | 4.57E-02 |
| ENSMUSG00000044285 | 1.08  | 2.66 | 4.65  | 3.11E-02 |
| ENSMUSG00000043157 | 1.48  | 2.03 | 8.31  | 3.94E-03 |
| ENSMUSG00000035095 | -3.29 | 3.64 | 18.20 | 1.98E-05 |
| ENSMUSG00000028364 | 1.12  | 3.60 | 5.11  | 2.38E-02 |
| ENSMUSG00000035274 | -3.26 | 2.02 | 8.30  | 3.97E-03 |
| ENSMUSG00000032366 | -1.63 | 8.03 | 10.40 | 1.26E-03 |
| ENSMUSG00000028464 | -3.70 | 7.55 | 16.47 | 4.95E-05 |
| ENSMUSG00000022510 | -1.57 | 3.20 | 3.85  | 4.96E-02 |
| ENSMUSG00000029026 | -3.10 | 0.61 | 5.31  | 2.12E-02 |
| ENSMUSG00000020963 | 1.09  | 6.79 | 10.79 | 1.02E-03 |

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|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000044986 | -1.09 | 4.39  | 7.72  | 5.47E-03 |
| ENSMUSG00000072235 | 1.31  | 7.38  | 21.35 | 3.83E-06 |
| ENSMUSG00000023004 | 1.36  | 7.22  | 29.69 | 5.06E-08 |
| ENSMUSG00000030579 | 1.14  | 5.81  | 12.06 | 5.15E-04 |
| ENSMUSG00000041523 | -5.71 | 0.60  | 11.76 | 6.06E-04 |
| ENSMUSG00000049152 | 2.77  | 0.66  | 15.71 | 7.40E-05 |
| ENSMUSG00000038879 | -1.81 | 2.61  | 4.52  | 3.34E-02 |
| ENSMUSG00000026175 | -2.05 | 2.45  | 4.70  | 3.02E-02 |
| ENSMUSG00000052397 | -1.43 | 6.84  | 6.90  | 8.60E-03 |
| ENSMUSG00000026728 | 1.29  | 10.35 | 18.52 | 1.69E-05 |
| ENSMUSG00000033669 | -1.14 | 2.47  | 5.92  | 1.50E-02 |
| ENSMUSG00000021266 | -1.46 | 7.90  | 5.03  | 2.49E-02 |
| ENSMUSG00000022449 | -2.36 | -0.09 | 9.41  | 2.16E-03 |
| ENSMUSG00000061397 | 2.19  | 3.04  | 13.25 | 2.72E-04 |
| ENSMUSG00000027656 | 1.37  | 4.16  | 10.35 | 1.29E-03 |
| ENSMUSG00000022996 | 1.04  | 1.94  | 3.91  | 4.80E-02 |
| ENSMUSG00000015957 | 1.27  | 3.51  | 9.40  | 2.17E-03 |
| ENSMUSG00000022382 | -4.93 | 2.45  | 20.95 | 4.72E-06 |
| ENSMUSG00000015342 | -2.49 | 3.56  | 8.69  | 3.20E-03 |
| ENSMUSG00000024036 | -1.84 | 2.84  | 4.73  | 2.96E-02 |
| ENSMUSG00000003279 | -2.97 | 2.74  | 4.55  | 3.30E-02 |
| ENSMUSG00000045053 | -3.03 | -0.65 | 12.02 | 5.26E-04 |
| ENSMUSG00000057766 | 1.02  | 4.41  | 4.42  | 3.55E-02 |
| ENSMUSG00000034295 | -2.91 | 4.47  | 18.53 | 1.67E-05 |
| ENSMUSG00000056130 | 1.18  | 1.40  | 4.48  | 3.42E-02 |
| ENSMUSG00000069378 | -2.31 | -0.93 | 10.08 | 1.50E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000024558 | -1.67 | 1.81  | 5.09  | 2.41E-02 |
| ENSMUSG00000060675 | 1.55  | 9.72  | 25.74 | 3.90E-07 |
| ENSMUSG00000045903 | -1.78 | -0.84 | 3.90  | 4.84E-02 |
| ENSMUSG00000021612 | -4.89 | -0.09 | 8.32  | 3.92E-03 |
| ENSMUSG00000048572 | -2.27 | 4.59  | 9.14  | 2.50E-03 |
| ENSMUSG00000041731 | -3.18 | 6.04  | 17.61 | 2.71E-05 |
| ENSMUSG00000048138 | 1.35  | 5.73  | 23.00 | 1.62E-06 |
| ENSMUSG00000052942 | -1.17 | 3.75  | 6.17  | 1.30E-02 |
| ENSMUSG00000025197 | 1.78  | -0.03 | 7.00  | 8.14E-03 |
| ENSMUSG00000051391 | 1.11  | 8.70  | 16.05 | 6.16E-05 |
| ENSMUSG00000019817 | 1.36  | 6.43  | 26.54 | 2.58E-07 |
| ENSMUSG00000026354 | -3.72 | -0.68 | 11.43 | 7.24E-04 |
| ENSMUSG00000037568 | -2.11 | 4.58  | 4.62  | 3.16E-02 |
| ENSMUSG00000026626 | 1.19  | 8.70  | 21.15 | 4.25E-06 |
| ENSMUSG00000042097 | -1.76 | 0.11  | 5.22  | 2.24E-02 |
| ENSMUSG00000026623 | 1.66  | 8.36  | 47.40 | 5.78E-12 |
| ENSMUSG00000028033 | -2.79 | 1.61  | 8.91  | 2.83E-03 |
| ENSMUSG00000038349 | -1.10 | 3.99  | 4.60  | 3.20E-02 |
| ENSMUSG00000036766 | -3.59 | 0.10  | 8.80  | 3.00E-03 |
| ENSMUSG00000079445 | -3.00 | 1.95  | 10.41 | 1.25E-03 |
| ENSMUSG00000045319 | -2.11 | 2.39  | 8.88  | 2.88E-03 |
| ENSMUSG00000036067 | 1.43  | 1.25  | 7.02  | 8.05E-03 |
| ENSMUSG00000025997 | -1.04 | 3.46  | 4.08  | 4.33E-02 |
| ENSMUSG00000002578 | -1.26 | 1.61  | 4.86  | 2.75E-02 |
| ENSMUSG00000027253 | -1.91 | 3.71  | 6.11  | 1.34E-02 |
| ENSMUSG00000027171 | -2.71 | 0.20  | 10.96 | 9.30E-04 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000034226 | -2.40 | 0.59  | 8.47  | 3.62E-03 |
| ENSMUSG00000037813 | -2.19 | 2.80  | 5.19  | 2.27E-02 |
| ENSMUSG00000017943 | -3.22 | -0.48 | 4.27  | 3.88E-02 |
| ENSMUSG00000049999 | 1.14  | 3.48  | 6.85  | 8.85E-03 |
| ENSMUSG00000037731 | 1.04  | 4.18  | 7.58  | 5.91E-03 |
| ENSMUSG00000012123 | -2.62 | -0.30 | 8.61  | 3.34E-03 |
| ENSMUSG00000043924 | -2.15 | 0.07  | 5.21  | 2.24E-02 |
| ENSMUSG00000040860 | -1.64 | 4.39  | 8.49  | 3.56E-03 |
| ENSMUSG00000045294 | 1.08  | 6.86  | 14.07 | 1.77E-04 |
| ENSMUSG00000037224 | 1.55  | 2.44  | 7.85  | 5.07E-03 |
| ENSMUSG00000034981 | -1.06 | 4.44  | 7.18  | 7.37E-03 |
| ENSMUSG00000029314 | 1.10  | 5.76  | 8.47  | 3.61E-03 |
| ENSMUSG00000066894 | -1.28 | 4.70  | 14.11 | 1.72E-04 |
| ENSMUSG00000036687 | -2.04 | 2.61  | 6.68  | 9.78E-03 |
| ENSMUSG00000037788 | -1.36 | 5.10  | 8.10  | 4.42E-03 |
| ENSMUSG00000030047 | 1.16  | 3.72  | 6.98  | 8.26E-03 |
| ENSMUSG00000008153 | 1.80  | 4.29  | 17.51 | 2.85E-05 |
| ENSMUSG00000030244 | 1.24  | 1.50  | 4.25  | 3.93E-02 |
| ENSMUSG00000001763 | -1.97 | 2.47  | 4.87  | 2.73E-02 |
| ENSMUSG00000071553 | 2.19  | 0.50  | 8.44  | 3.67E-03 |
| ENSMUSG00000053550 | -2.56 | 0.43  | 5.37  | 2.04E-02 |
| ENSMUSG00000070822 | -1.12 | 2.10  | 3.94  | 4.70E-02 |
| ENSMUSG00000019737 | -1.49 | -0.16 | 5.71  | 1.69E-02 |
| ENSMUSG00000063297 | -4.57 | 0.49  | 6.66  | 9.85E-03 |
| ENSMUSG00000030554 | -2.50 | 6.55  | 13.28 | 2.68E-04 |
| ENSMUSG00000051727 | -1.98 | 1.88  | 4.12  | 4.24E-02 |

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|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000052396 | 3.23  | 1.34  | 17.55 | 2.80E-05 |
| ENSMUSG00000031626 | -1.95 | 5.61  | 16.00 | 6.32E-05 |
| ENSMUSG00000034829 | 1.23  | 2.50  | 5.31  | 2.13E-02 |
| ENSMUSG00000036564 | -1.08 | 4.47  | 3.87  | 4.92E-02 |
| ENSMUSG00000062794 | -1.68 | -0.10 | 7.80  | 5.21E-03 |
| ENSMUSG00000066829 | -1.01 | 4.42  | 4.83  | 2.80E-02 |
| ENSMUSG00000034275 | -1.83 | 1.79  | 7.11  | 7.68E-03 |
| ENSMUSG00000041737 | 2.54  | 7.73  | 46.48 | 9.26E-12 |
| ENSMUSG00000032401 | 2.81  | 4.59  | 39.28 | 3.67E-10 |
| ENSMUSG00000043587 | -1.37 | 3.53  | 3.85  | 4.98E-02 |
| ENSMUSG00000043154 | -1.15 | 5.36  | 13.32 | 2.62E-04 |
| ENSMUSG00000023249 | 1.14  | 6.17  | 12.12 | 4.99E-04 |
| ENSMUSG00000053646 | -1.28 | 4.52  | 5.65  | 1.74E-02 |
| ENSMUSG00000010651 | 1.37  | 6.52  | 13.21 | 2.79E-04 |
| ENSMUSG00000047344 | -2.80 | 1.69  | 13.19 | 2.81E-04 |
| ENSMUSG00000037341 | -2.21 | 1.02  | 8.25  | 4.08E-03 |
| ENSMUSG00000035246 | -1.63 | 1.32  | 7.41  | 6.50E-03 |
| ENSMUSG00000031298 | -1.32 | 6.55  | 5.89  | 1.52E-02 |
| ENSMUSG00000019796 | 1.23  | 3.02  | 8.18  | 4.23E-03 |
| ENSMUSG00000020090 | -1.76 | -0.11 | 3.97  | 4.64E-02 |
| ENSMUSG00000063564 | -2.44 | 4.42  | 15.16 | 9.87E-05 |
| ENSMUSG00000044352 | -1.60 | 0.59  | 5.50  | 1.90E-02 |
| ENSMUSG00000046275 | 1.21  | 8.50  | 14.68 | 1.28E-04 |
| ENSMUSG00000022894 | 1.68  | 8.22  | 37.49 | 9.18E-10 |
| ENSMUSG00000044338 | 1.36  | 4.28  | 8.42  | 3.71E-03 |
| ENSMUSG00000020892 | -1.96 | -0.23 | 8.50  | 3.56E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000061603 | -3.15 | 2.10  | 9.38  | 2.20E-03 |
| ENSMUSG00000021057 | -1.43 | 0.57  | 3.90  | 4.81E-02 |
| ENSMUSG00000071317 | -6.72 | 1.45  | 19.65 | 9.30E-06 |
| ENSMUSG00000038526 | -3.25 | 1.13  | 7.15  | 7.52E-03 |
| ENSMUSG00000021256 | 1.21  | 2.58  | 6.09  | 1.36E-02 |
| ENSMUSG00000041886 | -2.48 | -0.10 | 4.26  | 3.89E-02 |
| ENSMUSG00000073530 | -2.18 | 1.97  | 9.86  | 1.69E-03 |
| ENSMUSG00000055480 | -1.54 | 2.79  | 7.37  | 6.64E-03 |
| ENSMUSG00000021186 | 1.25  | 6.97  | 28.00 | 1.21E-07 |
| ENSMUSG00000046006 | 1.92  | 0.72  | 9.42  | 2.14E-03 |
| ENSMUSG00000040229 | 1.26  | 3.15  | 8.52  | 3.52E-03 |
| ENSMUSG00000050069 | -2.17 | 4.22  | 16.60 | 4.61E-05 |
| ENSMUSG00000059674 | -1.55 | 0.48  | 4.15  | 4.16E-02 |
| ENSMUSG00000071347 | 1.43  | 5.61  | 27.55 | 1.53E-07 |
| ENSMUSG00000045871 | -3.00 | -0.68 | 11.87 | 5.71E-04 |
| ENSMUSG00000051225 | 3.34  | 2.86  | 30.59 | 3.19E-08 |
| ENSMUSG00000029436 | -1.52 | 2.66  | 5.57  | 1.83E-02 |
| ENSMUSG00000016552 | -2.19 | 4.88  | 5.32  | 2.11E-02 |
| ENSMUSG00000079434 | -4.22 | -0.31 | 12.66 | 3.74E-04 |
| ENSMUSG00000032420 | -1.52 | 4.83  | 13.08 | 2.98E-04 |
| ENSMUSG00000049336 | -3.34 | 1.53  | 5.72  | 1.67E-02 |
| ENSMUSG00000048078 | 1.51  | 7.14  | 23.81 | 1.06E-06 |
| ENSMUSG00000051669 | -2.13 | 3.65  | 8.16  | 4.28E-03 |
| ENSMUSG00000044626 | -4.13 | 1.16  | 10.46 | 1.22E-03 |
| ENSMUSG00000022755 | -5.64 | 2.57  | 8.90  | 2.86E-03 |
| ENSMUSG00000073460 | 1.22  | 1.44  | 5.65  | 1.75E-02 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000026527 | 1.14  | 2.60  | 4.14  | 4.19E-02 |
| ENSMUSG00000024548 | -2.07 | 4.05  | 14.01 | 1.81E-04 |
| ENSMUSG00000020354 | 1.61  | 5.30  | 30.30 | 3.70E-08 |
| ENSMUSG00000020669 | -1.05 | 3.31  | 5.02  | 2.50E-02 |
| ENSMUSG00000032548 | -3.62 | 7.31  | 15.92 | 6.62E-05 |
| ENSMUSG00000044026 | -1.29 | 4.12  | 6.75  | 9.38E-03 |
| ENSMUSG00000034765 | -3.51 | 4.84  | 18.24 | 1.94E-05 |
| ENSMUSG00000041757 | -1.78 | 5.13  | 7.62  | 5.79E-03 |
| ENSMUSG00000049598 | 2.32  | 1.89  | 11.83 | 5.83E-04 |
| ENSMUSG00000025936 | -4.18 | 2.12  | 15.48 | 8.34E-05 |
| ENSMUSG00000073678 | -1.80 | 4.99  | 6.32  | 1.19E-02 |
| ENSMUSG00000046856 | 1.36  | 1.29  | 4.94  | 2.62E-02 |
| ENSMUSG00000035186 | 1.30  | 3.61  | 5.20  | 2.26E-02 |
| ENSMUSG00000006542 | 2.82  | 2.74  | 31.36 | 2.15E-08 |
| ENSMUSG00000020218 | -7.10 | 1.74  | 12.42 | 4.26E-04 |
| ENSMUSG00000092572 | 1.44  | -0.38 | 4.47  | 3.45E-02 |
| ENSMUSG00000026768 | -2.20 | 2.76  | 10.11 | 1.48E-03 |
| ENSMUSG00000035829 | -1.38 | 2.13  | 5.61  | 1.79E-02 |
| ENSMUSG00000026872 | 1.02  | 7.57  | 9.75  | 1.79E-03 |
| ENSMUSG00000027068 | 1.85  | 1.38  | 9.65  | 1.89E-03 |
| ENSMUSG00000027016 | -1.58 | 3.02  | 6.48  | 1.09E-02 |
| ENSMUSG00000050587 | 1.24  | 3.52  | 8.78  | 3.04E-03 |
| ENSMUSG00000037703 | -1.30 | 4.24  | 5.34  | 2.09E-02 |
| ENSMUSG00000027356 | -3.14 | 2.80  | 4.48  | 3.42E-02 |
| ENSMUSG00000074575 | -4.09 | 2.40  | 15.19 | 9.75E-05 |
| ENSMUSG00000037016 | -3.63 | 1.51  | 9.45  | 2.12E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000053965 | -1.51 | 4.04  | 6.68  | 9.75E-03 |
| ENSMUSG00000037922 | 1.35  | 1.63  | 6.11  | 1.35E-02 |
| ENSMUSG00000051279 | 2.41  | 0.32  | 12.04 | 5.22E-04 |
| ENSMUSG00000028238 | 1.56  | 3.55  | 5.41  | 2.01E-02 |
| ENSMUSG00000052117 | -2.60 | 2.39  | 4.02  | 4.51E-02 |
| ENSMUSG00000078612 | -1.69 | 2.44  | 5.37  | 2.04E-02 |
| ENSMUSG00000078234 | 1.22  | 8.02  | 15.67 | 7.55E-05 |
| ENSMUSG00000028777 | 1.47  | 0.32  | 4.84  | 2.78E-02 |
| ENSMUSG00000049241 | 1.14  | 6.89  | 4.63  | 3.14E-02 |
| ENSMUSG00000045348 | -1.97 | 1.69  | 5.36  | 2.06E-02 |
| ENSMUSG00000030098 | -2.19 | 1.66  | 6.23  | 1.25E-02 |
| ENSMUSG00000033082 | 1.04  | 3.21  | 4.93  | 2.64E-02 |
| ENSMUSG00000029843 | 1.02  | 3.68  | 7.26  | 7.06E-03 |
| ENSMUSG00000045613 | -8.24 | -0.14 | 18.87 | 1.40E-05 |
| ENSMUSG00000037172 | -1.44 | 4.80  | 13.31 | 2.63E-04 |
| ENSMUSG00000038663 | 1.11  | 5.37  | 10.42 | 1.25E-03 |
| ENSMUSG00000035713 | 1.11  | 5.39  | 13.30 | 2.66E-04 |
| ENSMUSG00000048965 | 1.06  | 1.59  | 4.52  | 3.35E-02 |
| ENSMUSG00000046794 | -1.11 | 3.95  | 4.91  | 2.66E-02 |
| ENSMUSG00000032500 | -2.06 | 3.69  | 12.80 | 3.46E-04 |
| ENSMUSG00000022651 | 1.72  | 0.62  | 5.80  | 1.60E-02 |
| ENSMUSG00000029636 | -1.69 | 2.59  | 11.54 | 6.81E-04 |
| ENSMUSG00000022860 | -4.97 | -0.62 | 9.69  | 1.85E-03 |
| ENSMUSG00000020437 | 1.09  | 3.96  | 7.07  | 7.85E-03 |
| ENSMUSG00000024053 | 1.91  | 6.47  | 31.71 | 1.79E-08 |
| ENSMUSG00000032690 | 1.01  | 3.76  | 6.14  | 1.32E-02 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000052776 | 1.19  | 2.99  | 7.76  | 5.36E-03 |
| ENSMUSG00000042709 | 1.05  | 5.56  | 20.80 | 5.10E-06 |
| ENSMUSG00000054702 | -1.85 | 3.91  | 6.13  | 1.33E-02 |
| ENSMUSG00000029596 | 1.51  | 3.57  | 11.10 | 8.61E-04 |
| ENSMUSG00000074364 | 1.28  | 9.57  | 17.62 | 2.70E-05 |
| ENSMUSG00000030257 | -1.21 | 4.06  | 10.98 | 9.23E-04 |
| ENSMUSG00000029802 | -3.86 | 7.57  | 14.80 | 1.19E-04 |
| ENSMUSG00000024747 | 1.26  | 6.90  | 20.54 | 5.83E-06 |
| ENSMUSG00000004105 | 1.14  | 6.54  | 13.83 | 2.01E-04 |
| ENSMUSG00000026610 | -1.64 | 2.01  | 4.56  | 3.27E-02 |
| ENSMUSG00000027230 | 1.05  | 4.57  | 10.79 | 1.02E-03 |
| ENSMUSG00000004846 | 1.04  | 6.57  | 11.13 | 8.47E-04 |
| ENSMUSG00000025207 | -1.46 | 2.65  | 5.83  | 1.57E-02 |
| ENSMUSG00000053414 | -2.17 | 2.76  | 9.26  | 2.34E-03 |
| ENSMUSG00000017639 | -1.72 | 5.11  | 4.67  | 3.06E-02 |
| ENSMUSG00000038020 | -1.76 | 0.84  | 7.80  | 5.23E-03 |
| ENSMUSG00000078605 | 1.35  | -0.36 | 5.56  | 1.84E-02 |
| ENSMUSG00000094910 | 1.88  | 4.51  | 34.38 | 4.54E-09 |
| ENSMUSG00000055782 | 1.38  | 9.03  | 18.13 | 2.07E-05 |
| ENSMUSG00000043300 | 1.04  | 4.70  | 12.22 | 4.72E-04 |
| ENSMUSG00000022550 | -1.10 | 4.23  | 9.29  | 2.31E-03 |
| ENSMUSG00000057880 | 1.34  | 5.93  | 14.79 | 1.20E-04 |
| ENSMUSG00000035930 | 1.65  | 2.09  | 4.74  | 2.95E-02 |
| ENSMUSG00000030148 | 1.19  | 3.39  | 8.74  | 3.12E-03 |
| ENSMUSG00000061080 | -5.16 | 1.59  | 16.12 | 5.96E-05 |
| ENSMUSG00000033597 | -1.56 | 0.92  | 4.84  | 2.77E-02 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000038677 | -1.82 | 2.87  | 4.69  | 3.04E-02 |
| ENSMUSG00000072949 | -2.41 | 3.59  | 7.19  | 7.32E-03 |
| ENSMUSG00000102418 | 1.23  | 0.23  | 4.30  | 3.82E-02 |
| ENSMUSG00000010311 | -1.78 | 2.29  | 7.79  | 5.25E-03 |
| ENSMUSG00000026494 | -3.64 | 2.22  | 8.82  | 2.98E-03 |
| ENSMUSG00000028910 | 1.08  | 5.82  | 12.58 | 3.91E-04 |
| ENSMUSG00000020733 | -1.17 | 5.95  | 9.15  | 2.49E-03 |
| ENSMUSG00000048232 | -1.03 | 4.88  | 4.69  | 3.04E-02 |
| ENSMUSG00000028860 | -1.48 | 2.81  | 4.71  | 2.99E-02 |
| ENSMUSG00000029055 | -2.76 | 0.23  | 12.67 | 3.72E-04 |
| ENSMUSG00000044681 | -3.66 | -0.89 | 4.10  | 4.28E-02 |
| ENSMUSG00000028751 | 2.56  | 2.53  | 17.05 | 3.65E-05 |
| ENSMUSG00000046182 | -2.60 | -0.65 | 7.00  | 8.17E-03 |
| ENSMUSG00000074505 | -2.18 | 1.57  | 7.92  | 4.88E-03 |
| ENSMUSG00000041986 | -1.81 | 1.42  | 7.41  | 6.47E-03 |
| ENSMUSG00000000244 | 1.06  | 2.24  | 4.54  | 3.31E-02 |
| ENSMUSG00000054423 | 1.79  | 1.26  | 9.47  | 2.09E-03 |
| ENSMUSG00000049538 | 1.87  | 1.68  | 11.72 | 6.18E-04 |
| ENSMUSG00000052854 | -3.56 | 0.73  | 9.06  | 2.62E-03 |
| ENSMUSG00000045102 | 1.61  | 2.57  | 9.39  | 2.18E-03 |
| ENSMUSG00000021647 | -5.98 | 1.23  | 6.41  | 1.14E-02 |
| ENSMUSG00000047085 | -4.13 | -0.51 | 4.55  | 3.30E-02 |
| ENSMUSG00000037681 | -1.51 | 2.59  | 5.34  | 2.08E-02 |
| ENSMUSG00000030701 | -1.77 | 3.35  | 6.85  | 8.84E-03 |
| ENSMUSG00000041801 | 1.19  | 7.61  | 13.22 | 2.78E-04 |
| ENSMUSG00000020620 | 1.00  | 4.73  | 7.85  | 5.09E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000029299 | 1.04  | 1.82  | 4.40  | 3.58E-02 |
| ENSMUSG00000024552 | -3.17 | 2.98  | 7.66  | 5.65E-03 |
| ENSMUSG00000029381 | -2.21 | 5.40  | 20.58 | 5.72E-06 |
| ENSMUSG00000041688 | -1.01 | 4.38  | 6.85  | 8.89E-03 |
| ENSMUSG00000079625 | 2.04  | 0.13  | 8.32  | 3.91E-03 |
| ENSMUSG00000007030 | -2.07 | -0.25 | 5.81  | 1.59E-02 |
| ENSMUSG00000090291 | -2.35 | 1.77  | 6.56  | 1.05E-02 |
| ENSMUSG00000033777 | 1.18  | 2.55  | 4.89  | 2.71E-02 |
| ENSMUSG00000051323 | 1.07  | 4.30  | 11.07 | 8.78E-04 |
| ENSMUSG00000050700 | -3.14 | -0.59 | 13.18 | 2.84E-04 |
| ENSMUSG00000030237 | -4.27 | 0.54  | 7.73  | 5.42E-03 |
| ENSMUSG00000046056 | 1.26  | 5.21  | 12.64 | 3.78E-04 |
| ENSMUSG00000004558 | 1.37  | 7.96  | 37.08 | 1.14E-09 |
| ENSMUSG00000028121 | 1.67  | 5.95  | 41.98 | 9.21E-11 |
| ENSMUSG00000006221 | 1.79  | 5.48  | 22.15 | 2.53E-06 |
| ENSMUSG00000020439 | -1.51 | 5.88  | 5.94  | 1.48E-02 |
| ENSMUSG00000039278 | -3.17 | 0.69  | 9.68  | 1.86E-03 |
| ENSMUSG00000020334 | 1.29  | 4.11  | 11.47 | 7.07E-04 |
| ENSMUSG00000031994 | -2.93 | 1.48  | 10.60 | 1.13E-03 |
| ENSMUSG00000037010 | 2.16  | 3.60  | 17.23 | 3.30E-05 |
| ENSMUSG00000028553 | 1.30  | 2.07  | 5.73  | 1.67E-02 |
| ENSMUSG00000069273 | 1.27  | 0.14  | 4.16  | 4.13E-02 |
| ENSMUSG00000060678 | 2.14  | 0.02  | 10.97 | 9.25E-04 |
| ENSMUSG00000060639 | 1.34  | 1.99  | 6.01  | 1.42E-02 |
| ENSMUSG00000047246 | 1.72  | 3.90  | 14.78 | 1.21E-04 |
| ENSMUSG00000055313 | -1.61 | 0.54  | 6.84  | 8.91E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000045776 | -1.44 | -0.45 | 4.45  | 3.50E-02 |
| ENSMUSG00000078776 | -1.96 | -0.23 | 3.99  | 4.57E-02 |
| ENSMUSG00000049560 | -2.81 | 2.62  | 4.17  | 4.11E-02 |
| ENSMUSG00000043463 | 1.74  | 1.07  | 7.03  | 8.02E-03 |
| ENSMUSG00000097177 | 1.04  | 3.00  | 5.81  | 1.59E-02 |
| ENSMUSG00000085171 | 1.09  | 2.68  | 4.48  | 3.44E-02 |
| ENSMUSG00000048022 | -3.38 | 0.75  | 6.02  | 1.42E-02 |
| ENSMUSG00000043122 | 1.27  | 7.08  | 19.43 | 1.05E-05 |
| ENSMUSG00000022208 | -1.38 | 0.33  | 4.39  | 3.62E-02 |
| ENSMUSG00000022696 | -2.41 | 0.77  | 7.09  | 7.74E-03 |
| ENSMUSG00000097028 | -7.12 | 2.17  | 15.89 | 6.70E-05 |
| ENSMUSG00000097254 | 1.47  | -0.10 | 6.81  | 9.04E-03 |
| ENSMUSG00000052125 | 1.99  | 2.28  | 10.89 | 9.68E-04 |
| ENSMUSG00000034584 | -2.50 | 0.51  | 7.58  | 5.90E-03 |
| ENSMUSG00000035189 | -4.78 | 0.08  | 10.80 | 1.02E-03 |
| ENSMUSG00000038665 | -1.79 | 1.41  | 6.61  | 1.02E-02 |
| ENSMUSG00000045326 | -2.93 | 3.35  | 4.64  | 3.13E-02 |
| ENSMUSG00000020901 | 1.13  | 4.05  | 9.07  | 2.59E-03 |
| ENSMUSG00000050447 | -1.84 | 0.27  | 6.71  | 9.60E-03 |
| ENSMUSG00000048330 | 1.82  | 4.54  | 41.22 | 1.36E-10 |
| ENSMUSG00000056602 | 1.06  | 7.09  | 19.43 | 1.05E-05 |
| ENSMUSG00000046442 | -1.35 | 1.46  | 4.79  | 2.87E-02 |
| ENSMUSG00000051243 | 1.37  | 2.64  | 7.28  | 6.96E-03 |
| ENSMUSG00000097073 | 1.12  | 1.54  | 3.86  | 4.94E-02 |
| ENSMUSG00000034912 | -3.40 | 0.35  | 5.96  | 1.46E-02 |
| ENSMUSG00000112121 | -2.48 | 0.30  | 3.86  | 4.96E-02 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000060487 | -1.59 | 4.32  | 5.74  | 1.66E-02 |
| ENSMUSG00000067878 | 1.04  | 2.81  | 5.03  | 2.49E-02 |
| ENSMUSG00000043110 | 1.07  | 4.52  | 7.96  | 4.78E-03 |
| ENSMUSG00000060093 | 1.64  | 2.13  | 4.42  | 3.54E-02 |
| ENSMUSG00000045555 | 1.59  | 1.86  | 9.50  | 2.06E-03 |
| ENSMUSG00000044788 | -2.33 | 4.04  | 17.96 | 2.25E-05 |
| ENSMUSG00000020600 | -3.10 | -0.09 | 7.42  | 6.44E-03 |
| ENSMUSG00000021509 | -2.83 | 1.59  | 8.33  | 3.90E-03 |
| ENSMUSG00000051729 | -7.14 | 3.20  | 22.32 | 2.30E-06 |
| ENSMUSG00000046613 | -5.80 | 0.14  | 10.14 | 1.45E-03 |
| ENSMUSG00000024224 | -5.32 | 1.59  | 6.73  | 9.48E-03 |
| ENSMUSG00000087095 | -2.00 | 2.02  | 7.18  | 7.36E-03 |
| ENSMUSG00000073557 | -2.23 | 6.78  | 14.32 | 1.54E-04 |
| ENSMUSG00000050211 | -3.44 | -0.10 | 5.37  | 2.05E-02 |
| ENSMUSG00000042788 | -3.40 | 1.32  | 6.66  | 9.85E-03 |
| ENSMUSG00000034853 | -2.07 | 2.03  | 9.19  | 2.43E-03 |
| ENSMUSG00000052135 | -1.22 | 1.00  | 4.10  | 4.29E-02 |
| ENSMUSG00000056174 | -1.86 | 3.16  | 5.48  | 1.93E-02 |
| ENSMUSG00000097767 | 1.25  | 0.56  | 4.12  | 4.25E-02 |
| ENSMUSG00000063455 | -2.38 | 3.46  | 15.79 | 7.08E-05 |
| ENSMUSG00000086040 | -1.39 | 3.07  | 5.81  | 1.59E-02 |
| ENSMUSG00000048644 | -1.81 | 3.40  | 5.76  | 1.64E-02 |
| ENSMUSG00000037406 | 1.88  | 2.37  | 14.38 | 1.49E-04 |
| ENSMUSG00000013033 | -1.12 | 4.66  | 12.90 | 3.28E-04 |
| ENSMUSG00000036912 | -1.58 | -0.27 | 4.00  | 4.54E-02 |
| ENSMUSG00000078307 | -4.99 | -0.08 | 11.93 | 5.53E-04 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000032338 | 1.30  | 2.39  | 6.49  | 1.09E-02 |
| ENSMUSG00000085998 | 4.42  | 1.33  | 29.28 | 6.26E-08 |
| ENSMUSG00000061578 | -2.92 | 2.64  | 9.22  | 2.39E-03 |
| ENSMUSG00000068686 | 1.35  | 2.81  | 9.42  | 2.15E-03 |
| ENSMUSG00000046415 | 1.67  | 2.14  | 5.95  | 1.47E-02 |
| ENSMUSG00000034591 | -1.41 | 4.77  | 5.60  | 1.80E-02 |
| ENSMUSG00000019734 | -2.38 | 3.67  | 6.44  | 1.12E-02 |
| ENSMUSG00000113581 | -1.54 | 1.26  | 5.60  | 1.79E-02 |
| ENSMUSG00000067750 | -6.17 | 2.79  | 23.59 | 1.19E-06 |
| ENSMUSG00000020014 | -2.23 | 2.49  | 4.82  | 2.82E-02 |
| ENSMUSG00000061462 | -1.37 | -0.45 | 3.95  | 4.70E-02 |
| ENSMUSG00000038217 | 1.20  | 3.04  | 5.77  | 1.63E-02 |
| ENSMUSG00000063529 | -2.30 | 0.37  | 4.44  | 3.51E-02 |
| ENSMUSG00000042680 | -1.60 | 2.47  | 7.07  | 7.86E-03 |
| ENSMUSG00000073600 | -1.86 | 3.77  | 4.15  | 4.18E-02 |
| ENSMUSG00000071691 | -2.76 | 1.38  | 11.45 | 7.14E-04 |
| ENSMUSG00000061451 | 1.02  | 3.63  | 6.57  | 1.04E-02 |
| ENSMUSG00000084989 | -3.11 | 1.47  | 4.05  | 4.40E-02 |
| ENSMUSG00000053963 | -2.23 | 2.85  | 7.55  | 6.00E-03 |
| ENSMUSG00000079588 | 1.49  | 6.54  | 19.72 | 8.95E-06 |
| ENSMUSG00000054582 | 1.43  | 2.35  | 8.54  | 3.47E-03 |
| ENSMUSG00000037159 | -3.42 | 1.34  | 4.33  | 3.75E-02 |
| ENSMUSG00000030433 | 1.01  | 2.69  | 4.02  | 4.50E-02 |
| ENSMUSG00000030406 | 1.14  | 3.69  | 5.78  | 1.62E-02 |
| ENSMUSG00000042496 | -1.15 | 3.64  | 4.96  | 2.59E-02 |
| ENSMUSG00000051726 | -7.62 | 1.09  | 15.33 | 9.04E-05 |

|                     |       |       |       |          |
|---------------------|-------|-------|-------|----------|
| ENSMUSG00000062545  | -3.08 | 1.44  | 4.80  | 2.85E-02 |
| ENSMUSG00000001334  | -1.96 | 1.20  | 4.84  | 2.77E-02 |
| ENSMUSG000000057068 | -2.11 | 1.41  | 4.60  | 3.19E-02 |
| ENSMUSG00000075033  | -1.87 | 4.48  | 4.27  | 3.88E-02 |
| ENSMUSG00000039518  | 2.25  | 6.09  | 56.40 | 5.93E-14 |
| ENSMUSG00000065445  | -3.32 | -0.36 | 8.25  | 4.06E-03 |
| ENSMUSG00000065592  | -1.89 | 0.94  | 5.29  | 2.15E-02 |
| ENSMUSG00000090145  | 1.77  | 2.61  | 12.23 | 4.69E-04 |
| ENSMUSG00000064247  | -1.51 | 0.10  | 5.13  | 2.36E-02 |
| ENSMUSG00000044162  | 1.64  | 1.40  | 8.73  | 3.12E-03 |
| ENSMUSG00000020431  | -2.13 | 1.59  | 8.25  | 4.06E-03 |
| ENSMUSG00000072624  | 1.83  | 3.60  | 20.19 | 7.01E-06 |
| ENSMUSG00000071531  | -1.42 | -0.01 | 3.87  | 4.92E-02 |
| ENSMUSG00000052248  | 1.85  | 0.57  | 9.68  | 1.87E-03 |
| ENSMUSG00000074736  | -5.05 | 0.88  | 7.65  | 5.67E-03 |
| ENSMUSG00000061143  | -1.09 | 3.73  | 7.43  | 6.41E-03 |
| ENSMUSG00000028834  | -3.31 | -1.01 | 8.28  | 4.00E-03 |
| ENSMUSG00000029153  | -1.94 | 3.76  | 7.89  | 4.98E-03 |
| ENSMUSG00000032607  | -1.35 | 3.94  | 4.34  | 3.73E-02 |
| ENSMUSG00000093812  | 3.87  | 2.22  | 28.66 | 8.64E-08 |
| ENSMUSG00000084346  | -4.08 | 0.28  | 4.70  | 3.02E-02 |
| ENSMUSG00000087368  | -1.25 | 0.68  | 4.07  | 4.37E-02 |
| ENSMUSG00000064147  | -2.15 | 2.67  | 7.14  | 7.52E-03 |
| ENSMUSG00000071847  | 1.18  | 7.86  | 14.59 | 1.33E-04 |
| ENSMUSG00000000385  | -3.60 | 3.42  | 4.39  | 3.61E-02 |
| ENSMUSG00000030116  | 1.17  | 6.16  | 14.77 | 1.22E-04 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000051627 | 1.67  | 2.94  | 12.26 | 4.63E-04 |
| ENSMUSG00000029716 | 2.07  | 0.90  | 9.11  | 2.54E-03 |
| ENSMUSG00000031441 | -1.22 | 7.07  | 17.43 | 2.99E-05 |
| ENSMUSG00000026358 | 1.63  | 1.89  | 5.53  | 1.87E-02 |
| ENSMUSG00000021219 | -2.23 | 2.17  | 7.93  | 4.87E-03 |
| ENSMUSG00000031278 | -1.35 | 6.25  | 9.04  | 2.64E-03 |
| ENSMUSG00000040666 | -4.38 | 4.13  | 19.71 | 9.00E-06 |
| ENSMUSG00000030114 | 2.28  | 0.55  | 8.00  | 4.67E-03 |
| ENSMUSG00000005465 | 1.01  | 2.25  | 4.08  | 4.34E-02 |
| ENSMUSG00000034353 | -2.30 | 4.88  | 11.06 | 8.82E-04 |
| ENSMUSG00000024774 | -9.44 | 0.92  | 21.58 | 3.40E-06 |
| ENSMUSG00000028278 | -1.95 | 2.33  | 3.91  | 4.81E-02 |
| ENSMUSG00000047146 | -1.29 | 1.10  | 4.54  | 3.32E-02 |
| ENSMUSG00000051359 | -1.35 | 3.21  | 7.45  | 6.33E-03 |
| ENSMUSG00000064215 | 1.13  | 8.36  | 11.21 | 8.12E-04 |
| ENSMUSG00000042216 | -1.72 | 2.00  | 5.03  | 2.49E-02 |
| ENSMUSG00000025576 | -4.37 | 4.45  | 8.31  | 3.94E-03 |
| ENSMUSG00000020788 | 1.11  | 7.01  | 10.92 | 9.52E-04 |
| ENSMUSG00000031636 | -4.03 | 5.42  | 19.71 | 9.00E-06 |
| ENSMUSG00000059991 | -2.09 | 1.74  | 8.49  | 3.58E-03 |
| ENSMUSG00000006373 | -1.47 | 8.65  | 8.37  | 3.82E-03 |
| ENSMUSG00000005220 | -2.23 | 1.29  | 9.93  | 1.63E-03 |
| ENSMUSG00000004098 | 1.83  | 8.14  | 14.74 | 1.23E-04 |
| ENSMUSG00000068740 | -1.09 | 4.90  | 11.80 | 5.93E-04 |
| ENSMUSG00000030495 | 1.39  | 7.40  | 22.53 | 2.07E-06 |
| ENSMUSG00000049721 | -2.76 | -0.36 | 13.19 | 2.81E-04 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000026259 | -2.49 | 1.72  | 9.62  | 1.92E-03 |
| ENSMUSG00000031861 | -1.62 | 1.62  | 6.59  | 1.02E-02 |
| ENSMUSG00000001247 | -1.62 | 2.91  | 6.52  | 1.07E-02 |
| ENSMUSG00000026638 | -2.67 | 4.38  | 6.22  | 1.26E-02 |
| ENSMUSG00000033542 | -1.09 | 4.87  | 10.50 | 1.19E-03 |
| ENSMUSG00000028434 | -2.42 | 3.45  | 7.35  | 6.69E-03 |
| ENSMUSG00000029102 | -3.30 | 1.05  | 11.65 | 6.43E-04 |
| ENSMUSG00000027314 | 1.10  | 4.48  | 8.11  | 4.41E-03 |
| ENSMUSG00000021676 | -1.04 | 5.84  | 8.21  | 4.17E-03 |
| ENSMUSG00000061751 | -1.10 | 4.36  | 5.35  | 2.07E-02 |
| ENSMUSG00000026786 | 1.06  | 4.48  | 8.38  | 3.79E-03 |
| ENSMUSG00000063260 | -2.81 | 0.21  | 4.24  | 3.95E-02 |
| ENSMUSG00000036412 | 1.61  | 2.65  | 9.54  | 2.01E-03 |
| ENSMUSG00000074852 | -4.74 | -0.43 | 6.31  | 1.20E-02 |
| ENSMUSG00000074625 | -2.57 | 0.85  | 4.90  | 2.69E-02 |
| ENSMUSG00000052912 | -1.63 | -0.43 | 4.37  | 3.65E-02 |
| ENSMUSG00000072662 | -3.42 | 0.14  | 10.86 | 9.84E-04 |
| ENSMUSG00000059463 | -5.36 | 3.79  | 6.78  | 9.24E-03 |
| ENSMUSG00000039202 | -1.08 | 7.30  | 4.32  | 3.77E-02 |
| ENSMUSG00000003134 | -1.10 | 4.41  | 5.13  | 2.35E-02 |
| ENSMUSG00000018822 | 3.76  | 7.33  | 85.59 | 2.22E-20 |
| ENSMUSG00000044976 | -2.90 | -0.07 | 5.02  | 2.51E-02 |
| ENSMUSG00000031150 | -1.80 | 2.91  | 7.29  | 6.95E-03 |
| ENSMUSG00000090799 | 1.19  | 1.68  | 4.36  | 3.67E-02 |
| ENSMUSG00000070407 | -1.13 | 2.99  | 5.73  | 1.66E-02 |
| ENSMUSG00000032076 | -1.79 | 4.57  | 21.40 | 3.73E-06 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000024340 | 1.90  | 0.91  | 10.29 | 1.34E-03 |
| ENSMUSG00000067924 | 1.43  | 5.28  | 16.47 | 4.95E-05 |
| ENSMUSG00000030862 | -1.47 | 4.72  | 10.43 | 1.24E-03 |
| ENSMUSG00000027796 | -1.87 | 2.75  | 7.91  | 4.90E-03 |
| ENSMUSG00000063011 | 1.71  | 5.06  | 21.49 | 3.55E-06 |
| ENSMUSG00000028373 | -1.83 | 1.61  | 12.29 | 4.56E-04 |
| ENSMUSG00000038011 | -2.40 | 2.69  | 6.83  | 8.98E-03 |
| ENSMUSG00000026833 | 1.21  | 5.85  | 10.48 | 1.21E-03 |
| ENSMUSG00000027510 | -1.16 | 3.12  | 4.46  | 3.47E-02 |
| ENSMUSG00000006205 | 1.12  | 7.46  | 11.69 | 6.27E-04 |
| ENSMUSG00000020453 | -1.05 | 4.48  | 7.92  | 4.88E-03 |
| ENSMUSG00000028838 | -1.75 | 1.48  | 4.46  | 3.47E-02 |
| ENSMUSG00000004814 | 1.30  | 3.60  | 8.11  | 4.40E-03 |
| ENSMUSG00000028943 | -1.83 | 5.09  | 4.58  | 3.24E-02 |
| ENSMUSG00000032561 | -2.03 | 3.79  | 5.15  | 2.33E-02 |
| ENSMUSG00000011884 | 1.18  | 6.84  | 20.93 | 4.76E-06 |
| ENSMUSG00000026574 | 1.24  | 8.75  | 14.35 | 1.52E-04 |
| ENSMUSG00000054065 | -1.28 | 2.66  | 3.88  | 4.89E-02 |
| ENSMUSG00000079056 | -1.36 | 3.88  | 5.20  | 2.25E-02 |
| ENSMUSG00000022044 | 1.82  | 0.69  | 5.74  | 1.66E-02 |
| ENSMUSG00000024665 | -2.91 | 6.66  | 15.84 | 6.90E-05 |
| ENSMUSG00000037493 | 1.53  | 7.46  | 23.97 | 9.80E-07 |
| ENSMUSG00000063652 | -1.68 | 3.35  | 10.36 | 1.29E-03 |
| ENSMUSG00000019775 | -1.77 | -0.19 | 4.96  | 2.60E-02 |
| ENSMUSG00000040896 | -2.15 | 3.54  | 14.84 | 1.17E-04 |
| ENSMUSG00000079293 | 1.07  | 3.35  | 7.46  | 6.30E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000003282 | -1.57 | 1.00  | 6.07  | 1.38E-02 |
| ENSMUSG00000017446 | 1.14  | 5.51  | 13.95 | 1.88E-04 |
| ENSMUSG00000058153 | 1.81  | 2.03  | 6.74  | 9.42E-03 |
| ENSMUSG00000028031 | -1.85 | 1.69  | 4.07  | 4.37E-02 |
| ENSMUSG00000074715 | -2.24 | 3.04  | 4.27  | 3.87E-02 |
| ENSMUSG00000032122 | 1.50  | 3.77  | 13.06 | 3.02E-04 |
| ENSMUSG00000061100 | 1.42  | 8.58  | 16.45 | 5.01E-05 |
| ENSMUSG00000012705 | 1.24  | 10.50 | 11.92 | 5.55E-04 |
| ENSMUSG00000021508 | -1.99 | 3.79  | 6.68  | 9.72E-03 |
| ENSMUSG00000002831 | 1.04  | 11.28 | 11.85 | 5.77E-04 |
| ENSMUSG00000024065 | 1.15  | 5.50  | 14.56 | 1.36E-04 |
| ENSMUSG00000022899 | -1.35 | 4.08  | 5.15  | 2.33E-02 |
| ENSMUSG00000015981 | -1.69 | 2.32  | 6.22  | 1.26E-02 |
| ENSMUSG00000022667 | 1.14  | 2.70  | 5.23  | 2.22E-02 |
| ENSMUSG00000029174 | -1.28 | 5.81  | 14.03 | 1.80E-04 |
| ENSMUSG00000040990 | 1.18  | 5.36  | 21.43 | 3.67E-06 |
| ENSMUSG00000025355 | 1.58  | 4.92  | 15.96 | 6.48E-05 |
| ENSMUSG00000024112 | -1.93 | 4.29  | 10.55 | 1.16E-03 |
| ENSMUSG00000073295 | -2.46 | 2.34  | 7.15  | 7.49E-03 |
| ENSMUSG00000031906 | 1.13  | 4.91  | 10.69 | 1.08E-03 |
| ENSMUSG00000020000 | -1.66 | 0.68  | 4.06  | 4.40E-02 |
| ENSMUSG00000023032 | -2.02 | 3.61  | 13.55 | 2.32E-04 |
| ENSMUSG00000025128 | -2.51 | 1.14  | 5.48  | 1.92E-02 |
| ENSMUSG00000017817 | -3.51 | 4.90  | 16.74 | 4.29E-05 |
| ENSMUSG00000026749 | 1.20  | 5.66  | 16.17 | 5.80E-05 |
| ENSMUSG00000044550 | -1.72 | 2.47  | 4.39  | 3.62E-02 |

|                     |       |       |       |          |
|---------------------|-------|-------|-------|----------|
| ENSMUSG00000037347  | 1.11  | 3.01  | 5.98  | 1.44E-02 |
| ENSMUSG00000001739  | 1.06  | 5.98  | 12.61 | 3.83E-04 |
| ENSMUSG000000024664 | 1.41  | 9.11  | 26.77 | 2.30E-07 |
| ENSMUSG00000073209  | 2.83  | 2.78  | 16.26 | 5.52E-05 |
| ENSMUSG00000052477  | 1.52  | 0.07  | 5.33  | 2.09E-02 |
| ENSMUSG00000090113  | -3.66 | 0.34  | 4.94  | 2.63E-02 |
| ENSMUSG00000075296  | 1.03  | 4.47  | 9.02  | 2.67E-03 |
| ENSMUSG00000072109  | 1.24  | 0.12  | 4.52  | 3.34E-02 |
| ENSMUSG00000111658  | 2.04  | 2.49  | 15.15 | 9.95E-05 |
| ENSMUSG00000036885  | -1.24 | 2.75  | 4.44  | 3.50E-02 |
| ENSMUSG00000095407  | -2.77 | 0.88  | 8.29  | 3.99E-03 |
| ENSMUSG00000042256  | 1.85  | 0.23  | 8.77  | 3.06E-03 |
| ENSMUSG00000078866  | 1.46  | 5.19  | 27.92 | 1.27E-07 |
| ENSMUSG00000091455  | -4.49 | 1.30  | 21.71 | 3.16E-06 |
| ENSMUSG00000078794  | -1.52 | 3.76  | 10.58 | 1.15E-03 |
| ENSMUSG00000092164  | -1.76 | -0.45 | 5.78  | 1.62E-02 |
| ENSMUSG00000092021  | 1.17  | 1.63  | 3.89  | 4.85E-02 |
| ENSMUSG00000026483  | -1.77 | 6.87  | 8.29  | 3.98E-03 |
| ENSMUSG00000085852  | -2.10 | 0.17  | 9.34  | 2.25E-03 |
| ENSMUSG00000023945  | 5.81  | 2.71  | 31.45 | 2.04E-08 |
| ENSMUSG00000032204  | -2.25 | 5.32  | 5.62  | 1.78E-02 |
| ENSMUSG00000038486  | -1.60 | 1.49  | 7.59  | 5.88E-03 |
| ENSMUSG00000016256  | 1.18  | 7.72  | 14.65 | 1.29E-04 |
| ENSMUSG00000050737  | -2.83 | 7.14  | 16.95 | 3.84E-05 |
| ENSMUSG00000029123  | -2.98 | 0.70  | 5.35  | 2.07E-02 |
| ENSMUSG00000016763  | -3.50 | 2.48  | 7.73  | 5.42E-03 |

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|                    |       |      |       |          |
|--------------------|-------|------|-------|----------|
| ENSMUSG00000022123 | -2.08 | 3.13 | 4.61  | 3.18E-02 |
| ENSMUSG00000021200 | -2.71 | 2.88 | 11.66 | 6.38E-04 |
| ENSMUSG00000046727 | -1.21 | 5.95 | 6.42  | 1.13E-02 |
| ENSMUSG00000041476 | -5.02 | 2.06 | 13.90 | 1.92E-04 |
| ENSMUSG00000051748 | 2.53  | 4.84 | 35.66 | 2.35E-09 |
| ENSMUSG00000026621 | 2.62  | 3.63 | 14.98 | 1.09E-04 |
| ENSMUSG00000067925 | 1.29  | 5.16 | 8.92  | 2.82E-03 |
| ENSMUSG00000042485 | 1.10  | 5.28 | 11.23 | 8.06E-04 |
| ENSMUSG00000030760 | -1.95 | 5.32 | 8.52  | 3.50E-03 |
| ENSMUSG00000060703 | 1.00  | 7.23 | 12.89 | 3.31E-04 |
| ENSMUSG00000022018 | 1.50  | 8.28 | 27.65 | 1.45E-07 |
| ENSMUSG00000090122 | 2.15  | 1.50 | 13.33 | 2.61E-04 |
| ENSMUSG00000035085 | 1.13  | 3.46 | 7.13  | 7.59E-03 |
| ENSMUSG00000027536 | -2.63 | 2.77 | 19.00 | 1.31E-05 |
| ENSMUSG00000038370 | -3.01 | 4.31 | 15.86 | 6.82E-05 |
| ENSMUSG00000087497 | -1.02 | 2.80 | 4.35  | 3.70E-02 |
| ENSMUSG00000029059 | 1.49  | 6.49 | 34.72 | 3.81E-09 |
| ENSMUSG00000021047 | 1.01  | 4.39 | 7.88  | 5.00E-03 |
| ENSMUSG00000027692 | -1.67 | 3.28 | 4.55  | 3.30E-02 |
| ENSMUSG00000079457 | 3.44  | 0.66 | 15.48 | 8.35E-05 |
| ENSMUSG00000028133 | -1.43 | 2.14 | 5.57  | 1.82E-02 |
| ENSMUSG00000055632 | 1.64  | 5.59 | 9.12  | 2.53E-03 |
| ENSMUSG00000070867 | 1.21  | 4.04 | 11.44 | 7.18E-04 |
| ENSMUSG00000106357 | 1.96  | 0.14 | 7.15  | 7.49E-03 |
| ENSMUSG00000038132 | -2.82 | 3.37 | 5.30  | 2.13E-02 |
| ENSMUSG00000092060 | -1.13 | 2.59 | 4.54  | 3.32E-02 |

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|                    |        |       |       |          |
|--------------------|--------|-------|-------|----------|
| ENSMUSG00000021388 | 1.13   | 4.79  | 10.90 | 9.61E-04 |
| ENSMUSG00000013611 | -3.89  | 0.00  | 6.70  | 9.66E-03 |
| ENSMUSG00000068417 | 1.39   | 2.24  | 8.49  | 3.56E-03 |
| ENSMUSG00000092009 | -2.17  | -0.01 | 4.92  | 2.65E-02 |
| ENSMUSG00000028699 | -2.67  | 0.12  | 4.86  | 2.75E-02 |
| ENSMUSG00000087579 | 1.70   | 0.50  | 4.50  | 3.39E-02 |
| ENSMUSG00000030214 | 1.04   | 5.82  | 17.48 | 2.91E-05 |
| ENSMUSG00000038859 | -2.07  | 3.46  | 8.56  | 3.44E-03 |
| ENSMUSG00000027635 | 1.04   | 2.63  | 4.84  | 2.77E-02 |
| ENSMUSG00000031428 | -1.59  | 0.98  | 6.98  | 8.25E-03 |
| ENSMUSG00000022186 | 1.30   | 7.98  | 27.85 | 1.31E-07 |
| ENSMUSG00000031357 | 1.03   | 7.60  | 18.53 | 1.67E-05 |
| ENSMUSG00000028378 | -2.53  | 4.91  | 9.36  | 2.22E-03 |
| ENSMUSG00000029413 | 1.18   | 6.43  | 21.10 | 4.35E-06 |
| ENSMUSG00000090588 | -10.93 | 4.31  | 21.13 | 4.30E-06 |
| ENSMUSG00000020744 | 1.35   | 5.77  | 28.65 | 8.66E-08 |
| ENSMUSG00000021700 | -6.62  | 0.95  | 14.23 | 1.61E-04 |
| ENSMUSG00000028597 | 1.03   | 4.69  | 14.20 | 1.65E-04 |
| ENSMUSG00000041957 | 1.08   | 6.63  | 17.94 | 2.28E-05 |
| ENSMUSG00000036782 | 1.00   | 4.61  | 7.91  | 4.91E-03 |
| ENSMUSG00000028223 | 1.03   | 7.85  | 11.82 | 5.86E-04 |
| ENSMUSG00000003948 | 1.64   | 8.97  | 31.54 | 1.96E-08 |
| ENSMUSG00000036611 | 1.34   | 7.71  | 17.55 | 2.79E-05 |
| ENSMUSG00000026922 | 1.24   | 7.10  | 24.12 | 9.05E-07 |
| ENSMUSG00000031767 | 1.15   | 5.10  | 14.12 | 1.72E-04 |
| ENSMUSG00000053897 | -1.76  | 6.64  | 9.98  | 1.58E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000024885 | 1.13  | 4.18  | 8.89  | 2.86E-03 |
| ENSMUSG00000070465 | 7.39  | -0.64 | 29.37 | 5.97E-08 |
| ENSMUSG00000025528 | -4.33 | -0.07 | 12.32 | 4.48E-04 |
| ENSMUSG00000024768 | 3.52  | 0.31  | 8.19  | 4.20E-03 |
| ENSMUSG00000022358 | -1.68 | 5.18  | 8.99  | 2.71E-03 |
| ENSMUSG00000022876 | 1.13  | 1.76  | 4.29  | 3.83E-02 |
| ENSMUSG00000030747 | 2.27  | 9.02  | 30.77 | 2.90E-08 |
| ENSMUSG00000003585 | -3.83 | 4.11  | 16.79 | 4.18E-05 |
| ENSMUSG00000032279 | 1.17  | 7.45  | 18.81 | 1.45E-05 |
| ENSMUSG00000019832 | 1.03  | 4.84  | 8.60  | 3.36E-03 |
| ENSMUSG00000022665 | 1.42  | 10.39 | 17.93 | 2.29E-05 |
| ENSMUSG00000014846 | 1.01  | 6.29  | 4.46  | 3.47E-02 |
| ENSMUSG00000018102 | 1.02  | 6.94  | 16.86 | 4.02E-05 |
| ENSMUSG00000021928 | 1.15  | 4.71  | 18.82 | 1.44E-05 |
| ENSMUSG00000039114 | -4.39 | 1.76  | 10.64 | 1.11E-03 |
| ENSMUSG00000030351 | -1.46 | 1.59  | 4.04  | 4.44E-02 |
| ENSMUSG00000025468 | -3.25 | -0.16 | 8.02  | 4.63E-03 |
| ENSMUSG00000001403 | 1.18  | 1.75  | 3.85  | 4.99E-02 |
| ENSMUSG00000052105 | -1.84 | 2.65  | 13.88 | 1.95E-04 |
| ENSMUSG00000071984 | 1.16  | 5.45  | 12.86 | 3.36E-04 |
| ENSMUSG00000038375 | 1.29  | 8.55  | 19.23 | 1.16E-05 |
| ENSMUSG00000021338 | -1.48 | 4.22  | 10.30 | 1.33E-03 |
| ENSMUSG00000024679 | 1.12  | 3.03  | 4.91  | 2.66E-02 |
| ENSMUSG00000031253 | 2.52  | 5.13  | 45.85 | 1.28E-11 |
| ENSMUSG00000068699 | -1.97 | 5.53  | 8.13  | 4.35E-03 |
| ENSMUSG00000037086 | 3.62  | 3.94  | 67.51 | 2.10E-16 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000085457 | 1.48  | 1.40  | 6.94  | 8.43E-03 |
| ENSMUSG00000001333 | 1.27  | 1.01  | 5.39  | 2.02E-02 |
| ENSMUSG00000060402 | 1.14  | 0.21  | 3.85  | 4.99E-02 |
| ENSMUSG00000058966 | 1.10  | 3.81  | 5.01  | 2.52E-02 |
| ENSMUSG00000063919 | -2.22 | -0.52 | 7.21  | 7.27E-03 |
| ENSMUSG00000034112 | -2.51 | -0.26 | 5.47  | 1.94E-02 |
| ENSMUSG00000031937 | -1.47 | 1.47  | 4.05  | 4.42E-02 |
| ENSMUSG00000060981 | 2.55  | 5.34  | 88.54 | 4.99E-21 |
| ENSMUSG00000042734 | -1.53 | 2.69  | 4.09  | 4.32E-02 |
| ENSMUSG00000039269 | -3.57 | 0.26  | 5.00  | 2.53E-02 |
| ENSMUSG00000043421 | 1.06  | 4.12  | 7.48  | 6.22E-03 |
| ENSMUSG00000022235 | 1.04  | 7.18  | 10.18 | 1.42E-03 |
| ENSMUSG00000101304 | -2.46 | -0.60 | 5.37  | 2.05E-02 |
| ENSMUSG00000025545 | 1.23  | 6.32  | 18.53 | 1.67E-05 |
| ENSMUSG00000042377 | -1.40 | 0.78  | 6.70  | 9.64E-03 |
| ENSMUSG00000100291 | -3.68 | 0.41  | 10.90 | 9.63E-04 |
| ENSMUSG00000020674 | 1.66  | 8.32  | 27.95 | 1.25E-07 |
| ENSMUSG00000044433 | -1.19 | 3.51  | 4.23  | 3.98E-02 |
| ENSMUSG00000027463 | -1.62 | 3.84  | 5.07  | 2.43E-02 |
| ENSMUSG00000060733 | -1.39 | 5.32  | 11.69 | 6.28E-04 |
| ENSMUSG00000055114 | -6.62 | 5.01  | 7.55  | 6.01E-03 |
| ENSMUSG00000030147 | 1.39  | 1.88  | 5.77  | 1.63E-02 |
| ENSMUSG00000035112 | -2.04 | 3.02  | 6.28  | 1.22E-02 |
| ENSMUSG00000042041 | 1.96  | 3.11  | 12.76 | 3.54E-04 |
| ENSMUSG00000087013 | -2.63 | 0.26  | 17.94 | 2.28E-05 |
| ENSMUSG00000015405 | -1.29 | 0.14  | 4.59  | 3.22E-02 |

|                    |       |      |       |          |
|--------------------|-------|------|-------|----------|
| ENSMUSG00000037443 | -1.95 | 6.42 | 13.81 | 2.02E-04 |
| ENSMUSG00000041012 | -1.36 | 3.25 | 4.48  | 3.44E-02 |
| ENSMUSG00000021263 | -1.70 | 0.60 | 7.05  | 7.93E-03 |
| ENSMUSG00000068011 | -2.39 | 0.89 | 3.97  | 4.64E-02 |
| ENSMUSG00000045763 | -1.73 | 6.43 | 4.75  | 2.93E-02 |
| ENSMUSG00000051043 | -1.57 | 5.74 | 9.13  | 2.52E-03 |
| ENSMUSG00000053519 | -3.73 | 0.74 | 10.41 | 1.25E-03 |
| ENSMUSG00000031112 | -1.02 | 3.61 | 4.27  | 3.88E-02 |
| ENSMUSG00000056481 | 1.19  | 6.19 | 13.11 | 2.93E-04 |
| ENSMUSG00000039470 | 1.73  | 3.86 | 25.25 | 5.05E-07 |
| ENSMUSG00000020183 | -1.29 | 2.96 | 5.21  | 2.24E-02 |
| ENSMUSG00000027007 | -1.06 | 6.47 | 7.54  | 6.04E-03 |
| ENSMUSG00000067219 | -2.56 | 0.65 | 5.33  | 2.09E-02 |
| ENSMUSG00000029659 | 1.23  | 5.09 | 17.28 | 3.22E-05 |
| ENSMUSG00000068876 | -1.81 | 3.68 | 14.62 | 1.31E-04 |
| ENSMUSG00000025955 | -4.31 | 3.59 | 33.89 | 5.84E-09 |
| ENSMUSG00000036745 | -1.48 | 3.37 | 5.61  | 1.79E-02 |
| ENSMUSG00000039903 | -1.14 | 3.65 | 7.81  | 5.21E-03 |
| ENSMUSG00000086727 | 1.18  | 2.90 | 6.78  | 9.23E-03 |
| ENSMUSG00000025626 | -1.25 | 4.91 | 6.11  | 1.34E-02 |
| ENSMUSG00000110427 | -2.66 | 0.69 | 4.48  | 3.44E-02 |
| ENSMUSG00000020990 | -3.80 | 2.51 | 19.02 | 1.29E-05 |
| ENSMUSG00000042532 | 2.60  | 2.53 | 17.53 | 2.83E-05 |
| ENSMUSG00000079593 | 1.41  | 1.66 | 7.01  | 8.09E-03 |
| ENSMUSG00000021782 | -1.09 | 5.66 | 7.51  | 6.14E-03 |
| ENSMUSG00000073565 | 1.01  | 4.46 | 8.90  | 2.85E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000028475 | 1.02  | 4.99  | 8.76  | 3.08E-03 |
| ENSMUSG00000023972 | -1.32 | 4.13  | 6.32  | 1.19E-02 |
| ENSMUSG00000027983 | 1.15  | 2.07  | 5.71  | 1.69E-02 |
| ENSMUSG00000004837 | 1.21  | 4.65  | 20.15 | 7.17E-06 |
| ENSMUSG00000040606 | -1.08 | 4.29  | 7.43  | 6.41E-03 |
| ENSMUSG00000070476 | 1.04  | 3.72  | 7.34  | 6.75E-03 |
| ENSMUSG00000019359 | -2.15 | -0.38 | 3.97  | 4.64E-02 |
| ENSMUSG00000070777 | -4.69 | -1.33 | 10.84 | 9.95E-04 |
| ENSMUSG00000109089 | -2.26 | 0.59  | 8.52  | 3.51E-03 |
| ENSMUSG00000009281 | 1.55  | 7.19  | 24.28 | 8.32E-07 |
| ENSMUSG00000109644 | -1.96 | 0.45  | 4.18  | 4.09E-02 |
| ENSMUSG00000025347 | 1.44  | 2.14  | 4.28  | 3.86E-02 |
| ENSMUSG00000006342 | -1.27 | 4.03  | 8.15  | 4.30E-03 |
| ENSMUSG00000006411 | -1.59 | 2.96  | 5.67  | 1.73E-02 |
| ENSMUSG00000011382 | 1.00  | 6.64  | 12.50 | 4.07E-04 |
| ENSMUSG00000043789 | -3.14 | 0.29  | 11.41 | 7.30E-04 |
| ENSMUSG00000046598 | -2.56 | 2.67  | 5.83  | 1.58E-02 |
| ENSMUSG00000000202 | 1.67  | 0.09  | 6.60  | 1.02E-02 |
| ENSMUSG00000063354 | -1.69 | 2.06  | 3.86  | 4.95E-02 |
| ENSMUSG00000003484 | 1.07  | 2.52  | 3.94  | 4.71E-02 |
| ENSMUSG00000032013 | 1.12  | 1.84  | 4.72  | 2.99E-02 |
| ENSMUSG00000046589 | -3.92 | 1.95  | 12.24 | 4.67E-04 |
| ENSMUSG00000062760 | -4.50 | 1.25  | 11.27 | 7.86E-04 |
| ENSMUSG00000005251 | -1.47 | 3.59  | 6.45  | 1.11E-02 |
| ENSMUSG00000030559 | 1.26  | 2.04  | 6.49  | 1.08E-02 |
| ENSMUSG00000057454 | -4.56 | -0.38 | 7.67  | 5.62E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000035561 | -1.25 | 1.15  | 4.17  | 4.11E-02 |
| ENSMUSG00000022494 | -1.67 | 0.70  | 7.10  | 7.71E-03 |
| ENSMUSG00000026344 | -2.80 | 0.71  | 5.86  | 1.55E-02 |
| ENSMUSG00000037735 | 1.22  | 1.79  | 5.48  | 1.93E-02 |
| ENSMUSG00000028358 | -1.12 | 2.69  | 4.35  | 3.70E-02 |
| ENSMUSG00000019880 | -1.93 | 2.12  | 5.15  | 2.33E-02 |
| ENSMUSG00000042401 | 2.78  | 4.92  | 33.51 | 7.09E-09 |
| ENSMUSG00000051851 | 1.47  | 5.04  | 23.85 | 1.04E-06 |
| ENSMUSG00000029348 | 1.20  | 0.82  | 3.89  | 4.87E-02 |
| ENSMUSG00000043832 | 1.17  | 3.66  | 7.09  | 7.77E-03 |
| ENSMUSG00000046818 | -2.06 | 3.22  | 5.46  | 1.95E-02 |
| ENSMUSG00000021589 | -1.02 | 4.09  | 8.16  | 4.28E-03 |
| ENSMUSG00000099349 | 3.69  | 4.15  | 41.24 | 1.35E-10 |
| ENSMUSG00000025092 | 1.32  | 6.00  | 34.96 | 3.36E-09 |
| ENSMUSG00000091243 | 1.84  | 6.25  | 31.29 | 2.22E-08 |
| ENSMUSG00000031981 | 1.78  | -0.30 | 5.41  | 2.00E-02 |
| ENSMUSG00000024846 | 1.18  | 0.01  | 4.28  | 3.87E-02 |
| ENSMUSG00000039137 | -1.19 | 2.84  | 4.32  | 3.78E-02 |
| ENSMUSG00000056856 | 1.80  | 0.07  | 6.21  | 1.27E-02 |
| ENSMUSG00000020101 | 1.16  | 7.97  | 16.36 | 5.25E-05 |
| ENSMUSG00000053702 | -1.81 | 2.20  | 6.93  | 8.45E-03 |
| ENSMUSG00000003623 | -1.15 | 6.16  | 9.06  | 2.61E-03 |
| ENSMUSG00000030095 | 1.31  | 8.13  | 22.14 | 2.54E-06 |
| ENSMUSG00000087382 | 1.10  | 5.85  | 8.53  | 3.49E-03 |
| ENSMUSG00000050503 | -3.62 | 2.65  | 14.01 | 1.82E-04 |
| ENSMUSG00000031791 | -1.04 | 3.24  | 4.28  | 3.85E-02 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000022604 | -1.13 | 3.94  | 10.97 | 9.26E-04 |
| ENSMUSG00000071537 | -1.80 | 0.78  | 4.78  | 2.89E-02 |
| ENSMUSG00000025875 | 1.91  | 6.48  | 47.18 | 6.47E-12 |
| ENSMUSG00000059325 | -1.01 | 2.96  | 4.75  | 2.93E-02 |
| ENSMUSG00000016239 | -1.05 | 2.62  | 3.91  | 4.81E-02 |
| ENSMUSG00000087396 | -1.26 | 2.39  | 7.15  | 7.51E-03 |
| ENSMUSG00000050931 | -1.04 | 5.03  | 7.51  | 6.12E-03 |
| ENSMUSG00000033948 | -2.84 | 1.34  | 7.62  | 5.78E-03 |
| ENSMUSG00000001494 | -8.31 | 4.17  | 18.30 | 1.89E-05 |
| ENSMUSG00000030207 | -1.62 | 4.72  | 16.08 | 6.07E-05 |
| ENSMUSG00000021696 | -2.10 | 1.62  | 6.68  | 9.77E-03 |
| ENSMUSG00000012519 | 1.21  | 3.51  | 10.61 | 1.13E-03 |
| ENSMUSG00000033182 | 1.09  | 0.68  | 3.94  | 4.73E-02 |
| ENSMUSG00000029330 | -1.49 | 5.95  | 9.11  | 2.54E-03 |
| ENSMUSG00000052302 | -2.19 | 1.72  | 8.16  | 4.28E-03 |
| ENSMUSG00000053318 | 1.27  | 1.51  | 5.92  | 1.50E-02 |
| ENSMUSG00000086938 | -1.10 | 2.47  | 4.30  | 3.80E-02 |
| ENSMUSG00000039533 | -2.25 | 2.05  | 4.19  | 4.06E-02 |
| ENSMUSG00000034472 | -2.68 | 1.99  | 11.17 | 8.30E-04 |
| ENSMUSG00000064225 | 1.99  | 5.03  | 14.78 | 1.21E-04 |
| ENSMUSG00000060923 | 1.49  | 5.10  | 29.70 | 5.04E-08 |
| ENSMUSG00000031383 | 1.88  | 3.07  | 11.22 | 8.09E-04 |
| ENSMUSG00000037989 | -3.04 | 4.45  | 7.54  | 6.03E-03 |
| ENSMUSG00000020928 | 1.07  | 3.23  | 7.76  | 5.34E-03 |
| ENSMUSG00000022303 | 1.50  | -0.01 | 5.45  | 1.95E-02 |
| ENSMUSG00000031488 | -1.81 | 4.40  | 8.03  | 4.59E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000021710 | 1.02  | 5.40  | 16.89 | 3.95E-05 |
| ENSMUSG00000031093 | 1.05  | 6.26  | 17.14 | 3.47E-05 |
| ENSMUSG00000048924 | 1.07  | 3.32  | 8.40  | 3.75E-03 |
| ENSMUSG00000052085 | 1.68  | 5.38  | 29.04 | 7.09E-08 |
| ENSMUSG00000027883 | -1.42 | 3.01  | 6.26  | 1.23E-02 |
| ENSMUSG00000028246 | -3.39 | 1.32  | 14.63 | 1.31E-04 |
| ENSMUSG00000048355 | 1.58  | 4.60  | 21.68 | 3.21E-06 |
| ENSMUSG00000010064 | -2.48 | 1.99  | 5.50  | 1.90E-02 |
| ENSMUSG00000010663 | -1.39 | 7.36  | 16.14 | 5.89E-05 |
| ENSMUSG00000022546 | 1.78  | 6.33  | 23.10 | 1.54E-06 |
| ENSMUSG00000037455 | 1.00  | 5.40  | 7.70  | 5.51E-03 |
| ENSMUSG00000097616 | 1.10  | 2.60  | 5.79  | 1.61E-02 |
| ENSMUSG00000023094 | 1.03  | 4.16  | 8.97  | 2.75E-03 |
| ENSMUSG00000015354 | 1.61  | 5.31  | 14.35 | 1.52E-04 |
| ENSMUSG00000066129 | -2.89 | 1.76  | 4.11  | 4.25E-02 |
| ENSMUSG00000020846 | 1.05  | 7.30  | 12.24 | 4.67E-04 |
| ENSMUSG00000028655 | -4.48 | 3.49  | 11.03 | 8.95E-04 |
| ENSMUSG00000024776 | 1.07  | 3.58  | 7.67  | 5.60E-03 |
| ENSMUSG00000020175 | -1.42 | 1.92  | 4.70  | 3.01E-02 |
| ENSMUSG00000045994 | -3.76 | -0.08 | 12.87 | 3.34E-04 |
| ENSMUSG00000079017 | 2.28  | 10.56 | 35.89 | 2.09E-09 |
| ENSMUSG00000009114 | -3.11 | 0.25  | 5.43  | 1.97E-02 |
| ENSMUSG00000027221 | 1.35  | 8.04  | 16.76 | 4.25E-05 |
| ENSMUSG00000048040 | 1.08  | 7.20  | 14.82 | 1.18E-04 |
| ENSMUSG00000052981 | -2.63 | -0.80 | 6.60  | 1.02E-02 |
| ENSMUSG00000039956 | 1.45  | 6.42  | 19.05 | 1.28E-05 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000029438 | -1.22 | 5.15  | 17.66 | 2.64E-05 |
| ENSMUSG00000036667 | 1.18  | 6.78  | 15.22 | 9.55E-05 |
| ENSMUSG00000042988 | -3.49 | 0.45  | 4.10  | 4.29E-02 |
| ENSMUSG00000079602 | -5.85 | 0.10  | 11.31 | 7.70E-04 |
| ENSMUSG00000066113 | -1.47 | 4.47  | 13.61 | 2.24E-04 |
| ENSMUSG00000036040 | 1.20  | 1.99  | 4.27  | 3.87E-02 |
| ENSMUSG00000026870 | -3.04 | 3.24  | 5.68  | 1.72E-02 |
| ENSMUSG00000045725 | -3.38 | 3.64  | 11.33 | 7.64E-04 |
| ENSMUSG00000023918 | 1.90  | 0.23  | 6.32  | 1.19E-02 |
| ENSMUSG00000026594 | -1.22 | 4.74  | 6.59  | 1.03E-02 |
| ENSMUSG00000052512 | -2.12 | 4.42  | 10.56 | 1.16E-03 |
| ENSMUSG00000036565 | -1.37 | 6.40  | 8.05  | 4.55E-03 |
| ENSMUSG00000041789 | -3.57 | -1.14 | 11.43 | 7.23E-04 |
| ENSMUSG00000029096 | 1.75  | 8.71  | 31.87 | 1.65E-08 |
| ENSMUSG00000074346 | -2.98 | -0.79 | 17.93 | 2.29E-05 |
| ENSMUSG00000014776 | 1.65  | 4.89  | 28.39 | 9.92E-08 |
| ENSMUSG00000074529 | 1.58  | -0.38 | 6.40  | 1.14E-02 |
| ENSMUSG00000034235 | -1.11 | 4.10  | 11.98 | 5.38E-04 |
| ENSMUSG00000084960 | 1.48  | 3.28  | 8.82  | 2.97E-03 |
| ENSMUSG00000035852 | -2.27 | 0.49  | 4.75  | 2.93E-02 |
| ENSMUSG00000020715 | -1.08 | 5.61  | 7.01  | 8.12E-03 |
| ENSMUSG00000037613 | 1.52  | 1.61  | 7.20  | 7.28E-03 |
| ENSMUSG00000004698 | 1.44  | 2.87  | 8.51  | 3.54E-03 |
| ENSMUSG00000009585 | -1.10 | 4.79  | 10.88 | 9.74E-04 |
| ENSMUSG00000024511 | -1.80 | 2.34  | 6.61  | 1.01E-02 |
| ENSMUSG00000035004 | 1.07  | 3.31  | 6.68  | 9.74E-03 |

|                    |       |      |       |          |
|--------------------|-------|------|-------|----------|
| ENSMUSG00000025854 | 1.09  | 5.79 | 11.12 | 8.54E-04 |
| ENSMUSG00000040525 | -2.92 | 1.65 | 6.45  | 1.11E-02 |
| ENSMUSG00000025161 | -1.06 | 2.87 | 4.90  | 2.69E-02 |
| ENSMUSG00000015852 | 1.02  | 4.64 | 6.60  | 1.02E-02 |
| ENSMUSG00000027220 | -3.17 | 0.25 | 5.16  | 2.31E-02 |
| ENSMUSG00000034936 | -1.89 | 5.05 | 9.71  | 1.84E-03 |
| ENSMUSG00000029093 | -2.60 | 3.63 | 8.24  | 4.10E-03 |
| ENSMUSG00000023992 | 1.69  | 3.88 | 21.03 | 4.52E-06 |
| ENSMUSG00000025189 | -5.07 | 1.94 | 10.50 | 1.20E-03 |
| ENSMUSG00000026958 | 1.00  | 4.47 | 6.52  | 1.06E-02 |
| ENSMUSG00000001583 | -1.62 | 3.04 | 5.48  | 1.92E-02 |
| ENSMUSG00000021870 | -1.11 | 6.98 | 10.11 | 1.47E-03 |
| ENSMUSG00000027762 | 2.09  | 5.91 | 53.12 | 3.14E-13 |
| ENSMUSG00000022217 | 1.24  | 5.46 | 22.58 | 2.02E-06 |
| ENSMUSG00000048096 | -2.11 | 4.91 | 11.53 | 6.86E-04 |
| ENSMUSG00000029816 | 1.57  | 6.05 | 24.48 | 7.52E-07 |
| ENSMUSG00000103332 | -1.51 | 0.21 | 5.00  | 2.53E-02 |
| ENSMUSG00000031099 | -2.13 | 2.80 | 4.28  | 3.86E-02 |
| ENSMUSG00000002012 | -2.29 | 2.66 | 10.63 | 1.11E-03 |
| ENSMUSG00000005950 | 2.42  | 2.66 | 16.99 | 3.77E-05 |
| ENSMUSG00000040350 | -1.89 | 2.83 | 8.40  | 3.74E-03 |
| ENSMUSG00000021071 | -1.99 | 0.04 | 6.58  | 1.03E-02 |
| ENSMUSG00000060924 | -2.19 | 1.46 | 7.72  | 5.47E-03 |
| ENSMUSG00000032281 | -2.44 | 4.67 | 5.63  | 1.77E-02 |
| ENSMUSG00000045333 | 1.23  | 5.01 | 21.86 | 2.93E-06 |
| ENSMUSG00000031273 | -1.42 | 4.03 | 10.04 | 1.53E-03 |

|                            |       |       |       |          |
|----------------------------|-------|-------|-------|----------|
| ENSMUSG00000034205         | 1.24  | 4.97  | 17.95 | 2.27E-05 |
| ENSMUSG00000037994         | 1.99  | 2.68  | 15.33 | 9.05E-05 |
| ENSMUSG00000050390         | -1.47 | 4.94  | 15.91 | 6.63E-05 |
| ENSMUSG00000096188         | -1.14 | 6.48  | 16.79 | 4.18E-05 |
| ENSMUSG00000025504         | -1.41 | 3.43  | 5.47  | 1.94E-02 |
| ENSMUSG00000067818         | -2.43 | 7.66  | 14.45 | 1.44E-04 |
| ENSMUSG00000042359         | -1.60 | 4.05  | 13.31 | 2.64E-04 |
| ENSMUSG00000033268         | 3.53  | -0.25 | 11.93 | 5.53E-04 |
| <b>DE genes FTE vs. HF</b> |       |       |       |          |
| ENSMUSG00000107008         | -5.05 | -0.52 | 4.77  | 2.89E-02 |
| ENSMUSG00000075025         | -1.71 | 0.95  | 4.67  | 3.07E-02 |
| ENSMUSG00000099032         | -1.75 | -0.11 | 7.29  | 6.93E-03 |
| ENSMUSG00000078952         | -5.35 | 2.53  | 5.76  | 1.64E-02 |
| ENSMUSG00000052469         | -5.90 | 3.06  | 4.66  | 3.09E-02 |
| ENSMUSG00000104529         | -6.38 | 3.59  | 7.76  | 5.34E-03 |
| ENSMUSG00000101337         | -3.45 | 1.63  | 4.80  | 2.84E-02 |
| ENSMUSG00000091685         | -6.07 | 2.11  | 8.09  | 4.45E-03 |
| ENSMUSG00000086549         | -3.58 | 0.55  | 4.86  | 2.75E-02 |
| ENSMUSG00000035522         | -6.44 | 2.22  | 6.27  | 1.22E-02 |
| ENSMUSG00000079235         | -3.57 | 2.02  | 6.00  | 1.43E-02 |
| ENSMUSG00000116903         | 1.13  | 2.79  | 5.28  | 2.15E-02 |
| ENSMUSG00000100798         | -5.93 | 0.92  | 7.76  | 5.33E-03 |
| ENSMUSG00000072934         | -9.17 | 2.18  | 12.74 | 3.59E-04 |
| ENSMUSG00000010136         | -7.19 | 1.82  | 12.84 | 3.40E-04 |
| ENSMUSG00000079120         | -9.15 | 6.95  | 4.94  | 2.63E-02 |
| ENSMUSG00000071165         | -6.55 | 5.34  | 4.22  | 4.01E-02 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000082976 | -5.68 | 1.68  | 5.83  | 1.58E-02 |
| ENSMUSG00000060260 | -1.95 | 4.89  | 5.08  | 2.42E-02 |
| ENSMUSG00000014782 | -2.82 | 0.90  | 7.55  | 6.00E-03 |
| ENSMUSG00000049493 | -3.45 | 1.90  | 8.45  | 3.65E-03 |
| ENSMUSG00000097752 | -5.18 | -0.80 | 5.28  | 2.15E-02 |
| ENSMUSG00000097339 | 1.19  | 1.14  | 4.65  | 3.11E-02 |
| ENSMUSG00000085049 | 1.47  | -0.24 | 4.24  | 3.95E-02 |
| ENSMUSG00000031085 | -7.25 | 2.55  | 12.18 | 4.84E-04 |
| ENSMUSG00000062783 | -1.28 | 1.25  | 5.15  | 2.32E-02 |
| ENSMUSG00000114774 | -6.79 | -0.10 | 9.46  | 2.10E-03 |
| ENSMUSG00000090744 | -6.14 | 1.23  | 6.86  | 8.82E-03 |
| ENSMUSG00000016382 | -1.29 | 8.02  | 4.11  | 4.25E-02 |
| ENSMUSG00000042498 | -2.73 | 1.09  | 4.53  | 3.33E-02 |
| ENSMUSG00000031262 | -1.50 | -0.32 | 4.68  | 3.04E-02 |
| ENSMUSG00000073293 | -2.27 | 1.94  | 4.02  | 4.49E-02 |
| ENSMUSG00000073295 | -2.56 | 2.34  | 6.96  | 8.35E-03 |
| ENSMUSG00000041798 | -3.41 | 1.47  | 6.93  | 8.50E-03 |
| ENSMUSG00000040258 | -3.25 | 1.04  | 3.98  | 4.61E-02 |
| ENSMUSG00000024827 | -3.92 | 5.86  | 5.98  | 1.44E-02 |
| ENSMUSG00000009628 | -2.90 | 1.37  | 5.06  | 2.44E-02 |
| ENSMUSG00000026650 | -7.30 | 4.87  | 11.16 | 8.37E-04 |
| ENSMUSG00000046215 | -1.22 | 2.91  | 4.60  | 3.20E-02 |
| ENSMUSG00000039110 | -5.36 | 3.71  | 13.57 | 2.29E-04 |
| ENSMUSG00000021062 | -1.31 | 3.41  | 9.27  | 2.33E-03 |
| ENSMUSG00000042275 | -1.27 | 0.49  | 4.95  | 2.62E-02 |
| ENSMUSG00000036123 | -4.15 | 2.33  | 4.63  | 3.13E-02 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000089804 | -6.91 | 3.23  | 7.58  | 5.91E-03 |
| ENSMUSG00000003354 | -4.35 | 2.58  | 8.04  | 4.58E-03 |
| ENSMUSG00000024479 | -1.40 | 3.73  | 4.08  | 4.34E-02 |
| ENSMUSG00000053168 | -3.99 | -0.58 | 18.05 | 2.15E-05 |
| ENSMUSG00000022900 | -4.56 | 3.72  | 8.56  | 3.44E-03 |
| ENSMUSG00000047428 | -3.35 | -0.78 | 5.48  | 1.92E-02 |
| ENSMUSG00000073424 | -6.91 | 0.58  | 9.43  | 2.14E-03 |
| ENSMUSG00000040828 | -4.47 | 1.69  | 7.48  | 6.23E-03 |
| ENSMUSG00000015599 | -5.22 | 3.12  | 7.66  | 5.64E-03 |
| ENSMUSG00000020532 | 1.10  | 8.61  | 6.97  | 8.28E-03 |
| ENSMUSG00000028337 | -1.92 | 6.12  | 12.27 | 4.60E-04 |
| ENSMUSG00000031367 | -4.18 | 8.30  | 9.23  | 2.38E-03 |
| ENSMUSG00000038963 | -2.49 | 1.39  | 4.69  | 3.03E-02 |
| ENSMUSG00000038246 | -5.51 | 2.21  | 5.58  | 1.81E-02 |
| ENSMUSG00000021983 | -2.52 | 2.02  | 7.75  | 5.36E-03 |
| ENSMUSG00000098552 | -6.84 | -0.15 | 7.18  | 7.38E-03 |
| ENSMUSG00000040649 | -2.73 | 2.43  | 5.27  | 2.17E-02 |
| ENSMUSG00000033906 | -1.21 | 2.45  | 5.55  | 1.85E-02 |
| ENSMUSG00000044084 | -6.21 | 4.15  | 7.31  | 6.86E-03 |
| ENSMUSG00000048922 | -3.74 | 2.87  | 5.98  | 1.45E-02 |
| ENSMUSG00000056608 | -1.51 | 8.65  | 4.90  | 2.68E-02 |
| ENSMUSG00000071506 | -3.61 | 0.52  | 8.86  | 2.92E-03 |
| ENSMUSG00000054889 | -3.31 | 5.17  | 8.22  | 4.15E-03 |
| ENSMUSG00000006313 | -3.03 | 2.53  | 3.94  | 4.73E-02 |
| ENSMUSG00000023031 | -1.05 | 4.33  | 12.12 | 4.98E-04 |
| ENSMUSG00000022262 | -6.31 | 3.22  | 7.53  | 6.06E-03 |

|                     |       |       |       |          |
|---------------------|-------|-------|-------|----------|
| ENSMUSG00000021879  | -3.53 | 2.94  | 7.85  | 5.09E-03 |
| ENSMUSG00000019027  | -3.73 | 2.50  | 8.57  | 3.42E-03 |
| ENSMUSG00000061527  | -5.48 | 2.62  | 4.54  | 3.30E-02 |
| ENSMUSG00000028950  | -3.01 | 0.54  | 6.77  | 9.27E-03 |
| ENSMUSG000000112117 | -6.24 | 0.15  | 6.70  | 9.63E-03 |
| ENSMUSG00000036330  | -2.52 | 1.00  | 4.24  | 3.96E-02 |
| ENSMUSG00000022041  | -2.09 | 4.44  | 6.06  | 1.38E-02 |
| ENSMUSG00000039224  | -6.74 | 2.73  | 8.75  | 3.09E-03 |
| ENSMUSG00000030041  | -2.78 | 1.85  | 4.80  | 2.85E-02 |
| ENSMUSG00000020681  | -1.24 | 7.97  | 4.49  | 3.42E-02 |
| ENSMUSG00000021553  | -5.40 | 2.53  | 8.13  | 4.35E-03 |
| ENSMUSG00000062783  | -1.28 | 1.25  | 5.15  | 2.32E-02 |
| ENSMUSG00000010044  | -4.69 | 2.50  | 11.40 | 7.36E-04 |
| ENSMUSG00000034482  | -8.05 | 1.26  | 8.58  | 3.39E-03 |
| ENSMUSG00000073413  | -1.99 | 0.27  | 3.96  | 4.67E-02 |
| ENSMUSG00000059430  | -3.12 | 7.29  | 8.33  | 3.90E-03 |
| ENSMUSG00000070979  | -7.48 | 3.24  | 8.15  | 4.31E-03 |
| ENSMUSG00000032087  | -7.83 | 0.73  | 13.00 | 3.12E-04 |
| ENSMUSG00000030230  | -6.55 | 2.31  | 7.72  | 5.45E-03 |
| ENSMUSG00000022039  | -4.74 | 2.96  | 5.30  | 2.14E-02 |
| ENSMUSG00000031553  | -4.63 | 4.50  | 6.64  | 9.97E-03 |
| ENSMUSG00000031554  | -5.93 | 4.75  | 9.34  | 2.24E-03 |
| ENSMUSG00000025473  | -1.13 | 3.87  | 5.50  | 1.90E-02 |
| ENSMUSG00000022376  | -5.30 | 4.39  | 11.14 | 8.44E-04 |
| ENSMUSG00000061780  | 1.06  | 12.83 | 8.75  | 3.10E-03 |
| ENSMUSG00000089712  | -5.77 | 1.60  | 6.52  | 1.07E-02 |

|                    |        |       |       |          |
|--------------------|--------|-------|-------|----------|
| ENSMUSG00000047844 | -5.67  | 3.84  | 6.51  | 1.07E-02 |
| ENSMUSG00000065797 | -6.15  | 0.01  | 8.39  | 3.77E-03 |
| ENSMUSG00000031489 | 1.20   | 9.49  | 4.98  | 2.57E-02 |
| ENSMUSG00000024397 | -1.89  | 4.21  | 4.19  | 4.07E-02 |
| ENSMUSG00000030344 | -7.79  | 4.99  | 7.88  | 5.00E-03 |
| ENSMUSG00000050089 | -7.48  | 5.76  | 9.51  | 2.05E-03 |
| ENSMUSG00000028766 | -2.31  | 4.79  | 6.51  | 1.07E-02 |
| ENSMUSG00000026246 | -6.37  | 2.31  | 9.07  | 2.60E-03 |
| ENSMUSG00000017390 | -2.50  | 2.53  | 5.56  | 1.83E-02 |
| ENSMUSG00000037386 | -4.29  | 1.18  | 13.35 | 2.59E-04 |
| ENSMUSG00000031027 | -5.70  | 2.79  | 9.96  | 1.60E-03 |
| ENSMUSG00000069601 | -2.71  | 4.75  | 7.27  | 7.01E-03 |
| ENSMUSG00000033309 | -5.39  | 3.72  | 6.75  | 9.40E-03 |
| ENSMUSG00000062444 | -2.71  | 3.73  | 4.40  | 3.58E-02 |
| ENSMUSG00000022548 | -1.16  | 5.42  | 4.58  | 3.23E-02 |
| ENSMUSG00000024411 | -4.90  | 0.46  | 4.63  | 3.14E-02 |
| ENSMUSG00000043144 | -10.08 | 2.57  | 8.47  | 3.60E-03 |
| ENSMUSG00000022602 | -2.60  | 2.54  | 5.38  | 2.03E-02 |
| ENSMUSG00000050315 | -1.18  | 8.20  | 4.38  | 3.64E-02 |
| ENSMUSG00000021125 | -3.37  | 2.35  | 5.00  | 2.53E-02 |
| ENSMUSG00000015709 | -3.34  | 4.11  | 4.73  | 2.96E-02 |
| ENSMUSG00000028539 | -1.94  | 0.71  | 4.27  | 3.88E-02 |
| ENSMUSG00000026576 | -1.74  | 5.80  | 4.53  | 3.33E-02 |
| ENSMUSG00000005553 | -5.33  | 2.64  | 7.94  | 4.84E-03 |
| ENSMUSG00000102037 | -2.07  | -0.17 | 6.01  | 1.42E-02 |
| ENSMUSG00000022508 | -1.05  | 4.89  | 3.97  | 4.62E-02 |

|                    |        |       |       |          |
|--------------------|--------|-------|-------|----------|
| ENSMUSG00000048482 | -1.51  | 0.13  | 6.95  | 8.40E-03 |
| ENSMUSG00000042750 | -5.61  | 3.44  | 8.56  | 3.43E-03 |
| ENSMUSG00000046432 | -1.35  | 4.48  | 4.15  | 4.16E-02 |
| ENSMUSG00000074489 | -4.58  | 3.52  | 5.77  | 1.63E-02 |
| ENSMUSG00000052430 | -3.22  | 3.77  | 4.89  | 2.71E-02 |
| ENSMUSG00000005148 | -2.12  | 1.69  | 7.73  | 5.42E-03 |
| ENSMUSG00000026405 | -6.83  | 7.84  | 6.04  | 1.40E-02 |
| ENSMUSG00000015968 | -1.54  | 3.79  | 6.33  | 1.18E-02 |
| ENSMUSG00000004110 | -1.50  | 4.18  | 14.50 | 1.40E-04 |
| ENSMUSG00000021991 | -2.67  | 2.03  | 8.83  | 2.97E-03 |
| ENSMUSG00000020882 | -1.47  | 2.94  | 4.72  | 2.98E-02 |
| ENSMUSG00000079110 | -2.81  | 2.52  | 4.78  | 2.88E-02 |
| ENSMUSG00000027562 | -2.13  | 4.25  | 4.74  | 2.95E-02 |
| ENSMUSG00000027793 | -5.78  | 1.28  | 5.21  | 2.24E-02 |
| ENSMUSG00000032218 | -1.79  | 2.16  | 4.11  | 4.26E-02 |
| ENSMUSG00000047139 | -1.84  | 6.46  | 5.23  | 2.22E-02 |
| ENSMUSG00000019942 | -1.19  | 1.89  | 3.93  | 4.74E-02 |
| ENSMUSG00000031881 | -11.34 | 5.26  | 13.75 | 2.09E-04 |
| ENSMUSG00000028217 | -4.00  | 2.15  | 5.10  | 2.39E-02 |
| ENSMUSG00000061048 | -2.39  | 4.28  | 6.75  | 9.37E-03 |
| ENSMUSG00000044303 | -1.66  | -0.01 | 5.68  | 1.71E-02 |
| ENSMUSG00000058952 | -3.93  | 1.68  | 5.64  | 1.76E-02 |
| ENSMUSG00000030077 | -4.50  | 4.27  | 9.50  | 2.05E-03 |
| ENSMUSG00000061859 | -1.22  | 4.23  | 4.27  | 3.88E-02 |
| ENSMUSG00000051159 | -6.00  | 5.13  | 10.90 | 9.63E-04 |
| ENSMUSG00000047230 | -10.26 | 4.63  | 19.62 | 9.45E-06 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000070473 | -4.03 | 6.14  | 8.97  | 2.75E-03 |
| ENSMUSG00000047501 | -3.88 | 3.65  | 4.40  | 3.60E-02 |
| ENSMUSG00000002190 | -6.15 | 4.02  | 6.83  | 8.95E-03 |
| ENSMUSG00000022037 | -3.56 | 10.49 | 9.25  | 2.35E-03 |
| ENSMUSG00000027966 | -3.09 | 0.20  | 7.22  | 7.22E-03 |
| ENSMUSG00000025064 | -1.69 | 1.10  | 4.44  | 3.50E-02 |
| ENSMUSG00000031849 | -3.09 | 3.07  | 5.16  | 2.31E-02 |
| ENSMUSG00000025488 | 1.05  | 3.28  | 4.75  | 2.93E-02 |
| ENSMUSG00000032291 | -7.26 | 1.20  | 6.64  | 9.97E-03 |
| ENSMUSG00000066975 | -3.91 | 2.62  | 7.66  | 5.65E-03 |
| ENSMUSG00000029343 | -5.28 | 0.80  | 7.41  | 6.50E-03 |
| ENSMUSG00000038067 | -5.15 | 0.42  | 6.61  | 1.02E-02 |
| ENSMUSG00000027442 | -7.09 | 3.13  | 8.41  | 3.72E-03 |
| ENSMUSG00000042589 | -1.65 | 1.59  | 5.24  | 2.20E-02 |
| ENSMUSG00000019590 | -3.38 | 7.83  | 6.40  | 1.14E-02 |
| ENSMUSG00000042096 | -5.92 | 3.66  | 3.92  | 4.78E-02 |
| ENSMUSG00000038057 | -5.46 | 4.28  | 11.92 | 5.56E-04 |
| ENSMUSG00000020098 | -1.52 | 5.01  | 15.72 | 7.33E-05 |
| ENSMUSG00000020182 | -2.87 | 1.27  | 4.66  | 3.08E-02 |
| ENSMUSG00000021758 | -4.74 | 3.17  | 6.13  | 1.33E-02 |
| ENSMUSG00000034785 | -6.21 | 0.02  | 6.89  | 8.68E-03 |
| ENSMUSG00000024868 | -8.75 | 1.00  | 7.40  | 6.53E-03 |
| ENSMUSG00000018581 | -7.58 | 2.31  | 7.00  | 8.13E-03 |
| ENSMUSG00000033826 | -4.42 | 4.52  | 6.40  | 1.14E-02 |
| ENSMUSG00000001225 | -3.66 | 2.51  | 4.07  | 4.35E-02 |
| ENSMUSG00000025496 | -7.47 | 0.91  | 14.33 | 1.54E-04 |

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| ENSMUSG00000044393 | -4.70  | 3.38  | 5.30  | 2.13E-02 |
| ENSMUSG00000071454 | -1.20  | 3.80  | 5.55  | 1.85E-02 |
| ENSMUSG00000037868 | -2.03  | 3.76  | 9.14  | 2.50E-03 |
| ENSMUSG00000043969 | -3.79  | 4.77  | 9.63  | 1.92E-03 |
| ENSMUSG00000024044 | -1.42  | 3.79  | 5.77  | 1.63E-02 |
| ENSMUSG00000026937 | -18.09 | 10.65 | 18.23 | 1.95E-05 |
| ENSMUSG00000097993 | -2.63  | 1.16  | 6.52  | 1.07E-02 |
| ENSMUSG00000022332 | -1.38  | 3.96  | 8.46  | 3.62E-03 |
| ENSMUSG00000029814 | -3.69  | 2.14  | 5.26  | 2.18E-02 |
| ENSMUSG00000054477 | -2.12  | 2.36  | 4.54  | 3.31E-02 |
| ENSMUSG00000010461 | -2.11  | 2.01  | 6.02  | 1.42E-02 |
| ENSMUSG00000022432 | -6.48  | 1.91  | 4.58  | 3.23E-02 |
| ENSMUSG00000034164 | -1.63  | 2.01  | 4.80  | 2.84E-02 |
| ENSMUSG00000034171 | -1.33  | 3.90  | 4.80  | 2.85E-02 |
| ENSMUSG00000028773 | -2.01  | 1.91  | 5.54  | 1.86E-02 |
| ENSMUSG00000024598 | -2.17  | 1.80  | 4.87  | 2.74E-02 |
| ENSMUSG00000069805 | -5.93  | 4.07  | 13.28 | 2.68E-04 |
| ENSMUSG00000020140 | -6.57  | 1.04  | 15.29 | 9.21E-05 |
| ENSMUSG00000022523 | -5.66  | 2.09  | 9.83  | 1.72E-03 |
| ENSMUSG00000031137 | -1.50  | 4.31  | 10.72 | 1.06E-03 |
| ENSMUSG00000005320 | -5.63  | 2.50  | 6.88  | 8.72E-03 |
| ENSMUSG00000050035 | -5.41  | 5.71  | 10.00 | 1.57E-03 |
| ENSMUSG00000024222 | -1.08  | 6.81  | 6.80  | 9.10E-03 |
| ENSMUSG00000047861 | -5.68  | 2.34  | 4.08  | 4.35E-02 |
| ENSMUSG00000001827 | -3.08  | 3.44  | 7.79  | 5.27E-03 |
| ENSMUSG00000003545 | -1.40  | 2.53  | 3.86  | 4.95E-02 |

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| ENSMUSG00000008461 | -5.31  | 1.79  | 7.02  | 8.08E-03 |
| ENSMUSG00000023267 | -1.39  | 2.18  | 4.91  | 2.67E-02 |
| ENSMUSG00000070880 | -5.15  | -0.84 | 6.89  | 8.68E-03 |
| ENSMUSG00000020793 | -1.85  | 0.09  | 4.34  | 3.73E-02 |
| ENSMUSG00000061099 | -3.10  | 5.21  | 5.04  | 2.48E-02 |
| ENSMUSG00000035540 | -7.10  | 4.53  | 5.30  | 2.13E-02 |
| ENSMUSG00000038843 | -1.51  | 5.04  | 4.60  | 3.19E-02 |
| ENSMUSG00000025089 | -5.00  | 4.30  | 10.70 | 1.07E-03 |
| ENSMUSG00000006345 | -7.60  | 5.10  | 12.32 | 4.47E-04 |
| ENSMUSG00000047797 | -4.47  | 3.42  | 4.14  | 4.20E-02 |
| ENSMUSG00000042367 | -3.28  | 3.68  | 7.52  | 6.11E-03 |
| ENSMUSG00000046623 | -2.62  | 1.14  | 5.04  | 2.47E-02 |
| ENSMUSG00000053624 | -5.83  | 3.41  | 5.18  | 2.29E-02 |
| ENSMUSG00000050553 | -5.51  | 3.44  | 4.99  | 2.54E-02 |
| ENSMUSG00000028020 | -1.83  | 1.38  | 4.26  | 3.90E-02 |
| ENSMUSG00000009108 | -2.42  | -0.05 | 5.55  | 1.85E-02 |
| ENSMUSG00000031672 | -1.67  | 7.33  | 3.91  | 4.79E-02 |
| ENSMUSG00000004344 | -12.85 | 7.55  | 19.97 | 7.88E-06 |
| ENSMUSG00000019312 | -3.60  | 4.27  | 6.23  | 1.26E-02 |
| ENSMUSG00000022580 | -6.87  | 3.36  | 15.53 | 8.13E-05 |
| ENSMUSG00000023505 | -2.39  | 2.84  | 5.29  | 2.15E-02 |
| ENSMUSG00000020524 | -3.58  | 1.22  | 4.36  | 3.67E-02 |
| ENSMUSG00000041078 | -1.82  | 0.85  | 3.88  | 4.90E-02 |
| ENSMUSG00000030206 | -6.41  | 5.36  | 11.61 | 6.56E-04 |
| ENSMUSG00000050107 | -4.17  | 4.37  | 6.68  | 9.77E-03 |
| ENSMUSG00000057933 | -3.66  | 1.71  | 5.35  | 2.07E-02 |

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|---------------------|-------|-------|-------|----------|
| ENSMUSG00000004032  | -1.69 | 6.72  | 6.20  | 1.28E-02 |
| ENSMUSG000000068762 | -1.86 | 5.42  | 3.89  | 4.86E-02 |
| ENSMUSG000000020890 | -4.87 | -1.02 | 6.29  | 1.21E-02 |
| ENSMUSG000000025059 | -1.78 | 5.77  | 3.96  | 4.66E-02 |
| ENSMUSG000000067235 | 1.68  | 4.73  | 9.52  | 2.03E-03 |
| ENSMUSG000000091705 | -4.31 | 1.50  | 4.63  | 3.14E-02 |
| ENSMUSG000000006930 | -1.86 | 2.79  | 5.36  | 2.06E-02 |
| ENSMUSG000000045835 | -8.24 | 1.35  | 8.74  | 3.11E-03 |
| ENSMUSG000000034227 | -7.42 | 4.65  | 8.97  | 2.75E-03 |
| ENSMUSG000000037012 | -1.41 | 6.92  | 4.03  | 4.48E-02 |
| ENSMUSG000000017950 | -5.12 | 3.15  | 5.17  | 2.30E-02 |
| ENSMUSG000000038227 | -1.71 | 1.91  | 3.98  | 4.61E-02 |
| ENSMUSG000000020875 | -1.59 | 4.37  | 4.39  | 3.61E-02 |
| ENSMUSG000000079277 | -2.51 | 0.98  | 3.96  | 4.65E-02 |
| ENSMUSG000000022096 | -1.28 | 5.54  | 10.37 | 1.28E-03 |
| ENSMUSG000000007033 | -3.28 | 2.32  | 5.39  | 2.02E-02 |
| ENSMUSG000000081984 | -5.03 | 4.63  | 8.99  | 2.71E-03 |
| ENSMUSG000000059970 | -1.58 | 5.39  | 5.31  | 2.12E-02 |
| ENSMUSG000000031551 | -7.44 | 6.09  | 12.40 | 4.30E-04 |
| ENSMUSG000000028195 | -1.21 | 6.12  | 4.87  | 2.73E-02 |
| ENSMUSG000000026981 | -1.49 | 1.95  | 4.24  | 3.96E-02 |
| ENSMUSG000000055980 | 1.04  | 4.65  | 9.79  | 1.75E-03 |
| ENSMUSG000000060969 | -4.29 | 4.33  | 4.07  | 4.36E-02 |
| ENSMUSG000000001504 | -4.52 | 2.20  | 10.96 | 9.33E-04 |
| ENSMUSG000000000157 | -3.12 | 0.34  | 4.09  | 4.33E-02 |
| ENSMUSG000000038319 | -1.65 | 4.12  | 14.07 | 1.76E-04 |

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| ENSMUSG00000037579 | -3.54 | 3.81  | 5.59  | 1.80E-02 |
| ENSMUSG00000096146 | -4.51 | -0.28 | 12.43 | 4.23E-04 |
| ENSMUSG00000062609 | -1.04 | 6.12  | 7.34  | 6.74E-03 |
| ENSMUSG00000051497 | -5.47 | 5.21  | 10.09 | 1.49E-03 |
| ENSMUSG00000033998 | -4.72 | 5.66  | 5.03  | 2.48E-02 |
| ENSMUSG00000023243 | -1.58 | 2.91  | 4.89  | 2.71E-02 |
| ENSMUSG00000031576 | -2.52 | 1.33  | 5.55  | 1.85E-02 |
| ENSMUSG00000028357 | -6.18 | 0.53  | 4.46  | 3.46E-02 |
| ENSMUSG00000028758 | -3.38 | 3.90  | 5.41  | 2.00E-02 |
| ENSMUSG00000014602 | -2.16 | 2.34  | 4.58  | 3.24E-02 |
| ENSMUSG00000032489 | -2.31 | 3.31  | 6.05  | 1.39E-02 |
| ENSMUSG00000053719 | -7.42 | -0.05 | 15.20 | 9.69E-05 |
| ENSMUSG00000063089 | -8.36 | 1.26  | 19.21 | 1.17E-05 |
| ENSMUSG00000023043 | -2.91 | 6.03  | 6.14  | 1.32E-02 |
| ENSMUSG00000049382 | -2.20 | 6.47  | 4.75  | 2.92E-02 |
| ENSMUSG00000028832 | -1.26 | 4.16  | 10.12 | 1.47E-03 |
| ENSMUSG00000032796 | -2.42 | 3.48  | 4.97  | 2.57E-02 |
| ENSMUSG00000016024 | -1.01 | 6.92  | 9.32  | 2.26E-03 |
| ENSMUSG00000026822 | -2.29 | 5.76  | 5.95  | 1.47E-02 |
| ENSMUSG00000030851 | -7.49 | 6.26  | 6.93  | 8.50E-03 |
| ENSMUSG00000027985 | -2.82 | 1.37  | 8.30  | 3.96E-03 |
| ENSMUSG00000059201 | -1.16 | 9.19  | 11.63 | 6.49E-04 |
| ENSMUSG00000053846 | -3.66 | 5.33  | 6.09  | 1.36E-02 |
| ENSMUSG00000041660 | -4.40 | 1.74  | 4.67  | 3.07E-02 |
| ENSMUSG00000079608 | -2.48 | 3.82  | 4.23  | 3.97E-02 |
| ENSMUSG00000092035 | -1.35 | 4.64  | 8.53  | 3.49E-03 |

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| ENSMUSG00000038599 | -4.28 | 0.13  | 4.00  | 4.55E-02 |
| ENSMUSG00000045394 | -4.46 | 6.13  | 8.00  | 4.67E-03 |
| ENSMUSG00000035805 | -3.91 | 1.11  | 5.81  | 1.59E-02 |
| ENSMUSG00000052566 | -1.08 | 4.07  | 6.14  | 1.32E-02 |
| ENSMUSG00000036853 | -7.66 | 1.75  | 6.86  | 8.79E-03 |
| ENSMUSG00000036109 | -4.94 | 5.03  | 9.13  | 2.52E-03 |
| ENSMUSG00000028115 | -5.31 | -0.60 | 10.69 | 1.08E-03 |
| ENSMUSG00000021363 | -3.65 | 2.56  | 6.45  | 1.11E-02 |
| ENSMUSG00000027375 | -4.75 | 5.35  | 7.50  | 6.15E-03 |
| ENSMUSG00000009248 | -3.92 | 0.34  | 5.78  | 1.62E-02 |
| ENSMUSG00000074435 | -6.34 | 6.27  | 15.22 | 9.57E-05 |
| ENSMUSG00000027239 | -1.75 | 3.07  | 4.57  | 3.25E-02 |
| ENSMUSG00000030543 | -4.46 | -0.27 | 6.44  | 1.12E-02 |
| ENSMUSG00000051855 | -1.74 | 7.14  | 13.36 | 2.57E-04 |
| ENSMUSG00000048416 | -6.09 | 4.10  | 12.49 | 4.09E-04 |
| ENSMUSG00000047945 | -1.28 | 4.93  | 4.42  | 3.55E-02 |
| ENSMUSG00000049723 | -1.51 | 4.73  | 6.80  | 9.12E-03 |
| ENSMUSG00000018623 | -7.22 | 4.22  | 5.53  | 1.87E-02 |
| ENSMUSG00000032221 | -4.08 | 3.05  | 8.20  | 4.20E-03 |
| ENSMUSG00000054256 | -2.26 | 1.49  | 3.88  | 4.89E-02 |
| ENSMUSG00000031765 | -1.17 | 8.26  | 27.49 | 1.58E-07 |
| ENSMUSG00000031760 | -4.62 | 3.78  | 5.04  | 2.48E-02 |
| ENSMUSG00000027254 | -1.05 | 4.53  | 5.08  | 2.43E-02 |
| ENSMUSG00000019996 | -1.67 | 5.00  | 17.14 | 3.48E-05 |
| ENSMUSG00000005667 | -1.65 | 4.57  | 4.03  | 4.47E-02 |
| ENSMUSG00000024905 | -2.85 | 2.30  | 3.92  | 4.76E-02 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000042678 | -2.53 | 0.60  | 5.07  | 2.44E-02 |
| ENSMUSG00000025885 | -2.20 | 5.05  | 8.62  | 3.32E-03 |
| ENSMUSG00000021640 | -1.98 | 1.67  | 4.22  | 3.99E-02 |
| ENSMUSG00000039542 | -2.75 | 4.31  | 4.62  | 3.17E-02 |
| ENSMUSG00000006435 | -2.67 | 2.13  | 9.77  | 1.77E-03 |
| ENSMUSG00000032484 | 5.75  | -0.69 | 17.72 | 2.56E-05 |
| ENSMUSG00000001228 | -1.49 | 2.44  | 4.11  | 4.27E-02 |
| ENSMUSG00000025582 | -4.26 | 2.96  | 8.35  | 3.85E-03 |
| ENSMUSG00000049134 | -2.13 | 0.39  | 3.97  | 4.62E-02 |
| ENSMUSG00000039481 | -2.02 | 2.15  | 4.45  | 3.49E-02 |
| ENSMUSG00000020591 | -4.39 | 5.88  | 9.62  | 1.93E-03 |
| ENSMUSG00000021638 | -2.72 | 3.47  | 4.15  | 4.16E-02 |
| ENSMUSG00000061923 | -6.30 | 6.23  | 12.91 | 3.27E-04 |
| ENSMUSG00000026790 | -2.38 | 7.31  | 4.72  | 2.99E-02 |
| ENSMUSG00000021749 | -4.99 | 0.99  | 7.34  | 6.75E-03 |
| ENSMUSG00000024922 | -6.30 | 0.45  | 11.72 | 6.17E-04 |
| ENSMUSG00000049112 | -1.80 | 4.64  | 14.12 | 1.71E-04 |
| ENSMUSG00000051732 | -5.15 | 3.48  | 4.29  | 3.84E-02 |
| ENSMUSG00000026976 | -4.85 | 4.82  | 4.05  | 4.41E-02 |
| ENSMUSG00000049100 | -7.10 | 0.40  | 11.07 | 8.78E-04 |
| ENSMUSG00000004347 | -3.94 | 2.60  | 10.25 | 1.37E-03 |
| ENSMUSG00000028927 | -1.55 | 3.60  | 8.47  | 3.61E-03 |
| ENSMUSG00000037370 | -4.82 | 6.86  | 9.34  | 2.24E-03 |
| ENSMUSG00000000301 | -1.62 | 4.65  | 4.14  | 4.18E-02 |
| ENSMUSG00000027805 | -1.21 | 5.19  | 5.68  | 1.72E-02 |
| ENSMUSG00000004791 | -2.53 | 3.57  | 10.21 | 1.40E-03 |

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|---------------------|-------|-------|-------|----------|
| ENSMUSG00000031233  | -6.46 | 4.51  | 8.21  | 4.17E-03 |
| ENSMUSG00000025537  | 1.12  | 4.24  | 6.51  | 1.07E-02 |
| ENSMUSG00000030228  | -5.74 | -0.32 | 9.44  | 2.13E-03 |
| ENSMUSG00000024867  | -3.94 | 4.21  | 6.65  | 9.90E-03 |
| ENSMUSG00000028023  | -6.85 | 0.46  | 7.92  | 4.89E-03 |
| ENSMUSG00000026778  | -2.60 | 2.88  | 6.75  | 9.38E-03 |
| ENSMUSG00000052496  | -5.58 | 0.82  | 8.77  | 3.07E-03 |
| ENSMUSG00000019876  | -3.02 | 2.81  | 12.76 | 3.54E-04 |
| ENSMUSG00000026413  | -3.98 | 0.25  | 15.36 | 8.90E-05 |
| ENSMUSG00000041193  | -2.62 | 0.96  | 3.84  | 4.99E-02 |
| ENSMUSG00000037411  | -3.62 | 6.63  | 32.39 | 1.26E-08 |
| ENSMUSG00000026173  | -3.54 | 2.15  | 7.09  | 7.77E-03 |
| ENSMUSG00000038224  | -3.73 | 0.68  | 4.14  | 4.18E-02 |
| ENSMUSG00000002588  | 1.30  | 0.78  | 5.01  | 2.52E-02 |
| ENSMUSG000000061718 | -3.48 | 3.85  | 7.97  | 4.75E-03 |
| ENSMUSG00000028310  | -6.33 | 3.30  | 6.32  | 1.20E-02 |
| ENSMUSG00000022501  | -7.86 | 6.99  | 11.78 | 5.99E-04 |
| ENSMUSG00000038015  | -6.33 | 7.58  | 8.61  | 3.34E-03 |
| ENSMUSG00000050058  | -5.68 | 1.92  | 6.53  | 1.06E-02 |
| ENSMUSG00000024386  | -4.25 | 1.30  | 6.43  | 1.12E-02 |
| ENSMUSG00000029086  | -3.44 | 6.96  | 5.50  | 1.91E-02 |
| ENSMUSG00000031995  | -2.67 | 4.82  | 6.95  | 8.37E-03 |
| ENSMUSG00000017453  | -3.80 | 3.50  | 4.07  | 4.36E-02 |
| ENSMUSG00000028392  | -3.89 | 4.64  | 8.98  | 2.73E-03 |
| ENSMUSG00000021940  | -5.31 | 1.21  | 6.45  | 1.11E-02 |
| ENSMUSG00000030854  | -9.03 | 2.04  | 14.03 | 1.80E-04 |

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|--------------------|--------|-------|-------|----------|
| ENSMUSG00000046807 | -3.08  | 3.91  | 7.85  | 5.07E-03 |
| ENSMUSG00000045942 | -3.75  | 2.55  | 7.00  | 8.16E-03 |
| ENSMUSG00000029923 | -1.47  | 1.48  | 4.59  | 3.22E-02 |
| ENSMUSG00000047518 | -7.88  | 3.65  | 12.01 | 5.29E-04 |
| ENSMUSG00000028841 | -2.00  | 2.14  | 5.22  | 2.23E-02 |
| ENSMUSG00000083649 | -2.58  | 1.53  | 4.20  | 4.03E-02 |
| ENSMUSG00000043648 | -3.00  | 0.82  | 5.75  | 1.64E-02 |
| ENSMUSG00000035910 | -8.02  | 5.32  | 7.62  | 5.78E-03 |
| ENSMUSG00000016982 | -8.53  | 1.77  | 11.05 | 8.87E-04 |
| ENSMUSG00000032454 | -4.70  | -0.30 | 5.21  | 2.24E-02 |
| ENSMUSG00000050071 | -4.51  | 1.60  | 7.27  | 7.02E-03 |
| ENSMUSG00000019893 | -10.47 | 3.98  | 13.61 | 2.25E-04 |
| ENSMUSG00000025900 | -4.06  | 0.61  | 6.74  | 9.43E-03 |
| ENSMUSG00000056054 | 1.64   | 2.68  | 5.65  | 1.75E-02 |
| ENSMUSG00000056071 | 2.23   | 2.84  | 7.76  | 5.34E-03 |
| ENSMUSG00000030935 | 1.30   | 5.26  | 9.72  | 1.82E-03 |
| ENSMUSG00000023033 | -2.20  | 1.26  | 6.80  | 9.11E-03 |
| ENSMUSG00000034161 | -3.57  | 1.58  | 6.65  | 9.92E-03 |
| ENSMUSG00000023236 | -2.80  | 0.45  | 5.89  | 1.52E-02 |
| ENSMUSG00000028488 | -3.36  | 3.07  | 6.13  | 1.33E-02 |
| ENSMUSG00000030638 | -5.06  | 3.24  | 10.58 | 1.14E-03 |
| ENSMUSG00000025359 | -1.39  | 0.68  | 4.13  | 4.21E-02 |
| ENSMUSG00000022885 | -2.43  | 7.34  | 6.10  | 1.35E-02 |
| ENSMUSG00000030283 | -2.28  | -0.30 | 5.10  | 2.40E-02 |
| ENSMUSG00000021490 | -5.61  | -0.37 | 5.67  | 1.72E-02 |
| ENSMUSG00000005089 | -3.00  | -0.09 | 6.60  | 1.02E-02 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000023829 | -6.15 | 0.58  | 10.43 | 1.24E-03 |
| ENSMUSG00000029188 | -3.97 | 3.68  | 8.39  | 3.76E-03 |
| ENSMUSG00000040010 | -1.74 | 4.56  | 7.27  | 7.02E-03 |
| ENSMUSG00000025020 | -2.71 | 1.83  | 6.68  | 9.72E-03 |
| ENSMUSG00000001948 | -3.16 | 4.67  | 8.70  | 3.18E-03 |
| ENSMUSG00000059562 | -3.79 | -0.28 | 4.63  | 3.14E-02 |
| ENSMUSG00000067006 | -3.85 | 0.65  | 5.36  | 2.06E-02 |
| ENSMUSG00000027315 | -3.49 | 4.23  | 7.65  | 5.68E-03 |
| ENSMUSG00000074227 | -2.24 | 7.60  | 7.79  | 5.25E-03 |
| ENSMUSG00000043460 | -7.98 | 0.61  | 10.37 | 1.28E-03 |
| ENSMUSG00000056222 | -8.40 | 1.72  | 13.93 | 1.90E-04 |
| ENSMUSG00000029304 | -2.52 | 2.11  | 5.12  | 2.37E-02 |
| ENSMUSG00000039963 | -2.90 | 2.92  | 8.47  | 3.61E-03 |
| ENSMUSG00000022790 | -4.69 | 2.61  | 10.36 | 1.29E-03 |
| ENSMUSG00000040473 | -3.23 | 3.73  | 7.52  | 6.11E-03 |
| ENSMUSG00000034177 | -3.69 | 3.36  | 5.41  | 2.00E-02 |
| ENSMUSG00000036292 | -1.72 | 2.47  | 6.31  | 1.20E-02 |
| ENSMUSG00000044526 | -5.97 | 4.32  | 5.78  | 1.62E-02 |
| ENSMUSG00000062939 | -3.89 | 2.62  | 7.15  | 7.48E-03 |
| ENSMUSG00000014813 | -2.43 | 3.68  | 6.03  | 1.41E-02 |
| ENSMUSG00000043164 | -8.05 | 2.32  | 5.36  | 2.06E-02 |
| ENSMUSG00000032327 | -2.21 | 0.11  | 7.97  | 4.75E-03 |
| ENSMUSG00000040936 | -3.07 | 3.55  | 9.01  | 2.68E-03 |
| ENSMUSG00000022949 | -2.70 | 3.62  | 6.14  | 1.32E-02 |
| ENSMUSG00000025165 | -4.24 | 0.95  | 9.95  | 1.61E-03 |
| ENSMUSG00000078161 | -6.59 | 3.85  | 8.58  | 3.40E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000035864 | -4.40 | 1.55  | 5.48  | 1.93E-02 |
| ENSMUSG00000026452 | -2.23 | 1.57  | 11.43 | 7.22E-04 |
| ENSMUSG00000031170 | -3.52 | 4.94  | 7.70  | 5.51E-03 |
| ENSMUSG00000050751 | -2.16 | 0.83  | 4.68  | 3.05E-02 |
| ENSMUSG00000057060 | -2.62 | 0.67  | 4.72  | 2.98E-02 |
| ENSMUSG00000006711 | -4.37 | -1.00 | 6.55  | 1.05E-02 |
| ENSMUSG00000062028 | -6.53 | 5.47  | 7.84  | 5.11E-03 |
| ENSMUSG00000037541 | -1.54 | 2.58  | 5.60  | 1.79E-02 |
| ENSMUSG00000040140 | -6.50 | 3.82  | 8.76  | 3.09E-03 |
| ENSMUSG00000052221 | -5.17 | 3.40  | 17.71 | 2.57E-05 |
| ENSMUSG00000022269 | -7.42 | 2.84  | 10.08 | 1.50E-03 |
| ENSMUSG00000062991 | -3.23 | -0.44 | 4.47  | 3.46E-02 |
| ENSMUSG00000035580 | -7.49 | 0.66  | 12.24 | 4.69E-04 |
| ENSMUSG00000058743 | -1.61 | 1.05  | 5.13  | 2.35E-02 |
| ENSMUSG00000018849 | -3.29 | 5.94  | 6.36  | 1.17E-02 |
| ENSMUSG00000027173 | -3.07 | 3.42  | 6.48  | 1.09E-02 |
| ENSMUSG00000060716 | -2.46 | 2.80  | 6.80  | 9.10E-03 |
| ENSMUSG00000043621 | -5.01 | 3.53  | 11.97 | 5.40E-04 |
| ENSMUSG00000040387 | -3.47 | 0.16  | 8.63  | 3.31E-03 |
| ENSMUSG00000071104 | -6.14 | 1.63  | 7.86  | 5.05E-03 |
| ENSMUSG00000030321 | -2.30 | 1.54  | 5.50  | 1.90E-02 |
| ENSMUSG00000071550 | -4.51 | 3.45  | 5.96  | 1.46E-02 |
| ENSMUSG00000010529 | -3.67 | 2.00  | 5.16  | 2.31E-02 |
| ENSMUSG00000043782 | -2.99 | -0.24 | 6.29  | 1.21E-02 |
| ENSMUSG00000039552 | -7.72 | 2.35  | 8.82  | 2.98E-03 |
| ENSMUSG00000020389 | -1.71 | 3.86  | 4.05  | 4.43E-02 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000034151 | -6.53 | 3.00  | 8.52  | 3.51E-03 |
| ENSMUSG00000050612 | -8.46 | 4.16  | 12.57 | 3.93E-04 |
| ENSMUSG00000079330 | -5.32 | 1.27  | 10.32 | 1.32E-03 |
| ENSMUSG00000073007 | -5.01 | 0.90  | 7.03  | 8.02E-03 |
| ENSMUSG00000028919 | -1.83 | 2.04  | 5.21  | 2.24E-02 |
| ENSMUSG00000027224 | -1.44 | 1.76  | 7.20  | 7.28E-03 |
| ENSMUSG00000090173 | -3.84 | 2.62  | 6.40  | 1.14E-02 |
| ENSMUSG00000029556 | -5.31 | 0.60  | 4.62  | 3.16E-02 |
| ENSMUSG00000020679 | -3.87 | 3.66  | 5.58  | 1.82E-02 |
| ENSMUSG00000040489 | -5.01 | 2.97  | 7.95  | 4.82E-03 |
| ENSMUSG00000000782 | -3.70 | 5.14  | 7.92  | 4.88E-03 |
| ENSMUSG00000051036 | -6.66 | 2.12  | 9.64  | 1.90E-03 |
| ENSMUSG00000070644 | -2.38 | 1.85  | 6.00  | 1.43E-02 |
| ENSMUSG00000072974 | -4.50 | 2.51  | 5.86  | 1.55E-02 |
| ENSMUSG00000040616 | -2.34 | 5.28  | 6.12  | 1.34E-02 |
| ENSMUSG00000042254 | -1.29 | 5.61  | 5.38  | 2.03E-02 |
| ENSMUSG00000071322 | -6.84 | 2.90  | 10.62 | 1.12E-03 |
| ENSMUSG00000055602 | -3.83 | 2.62  | 5.03  | 2.49E-02 |
| ENSMUSG00000062859 | -6.33 | 5.80  | 10.17 | 1.43E-03 |
| ENSMUSG00000046192 | -4.99 | 1.70  | 8.11  | 4.41E-03 |
| ENSMUSG00000067649 | -1.39 | 0.70  | 5.80  | 1.60E-02 |
| ENSMUSG00000037979 | -3.35 | 4.08  | 8.96  | 2.75E-03 |
| ENSMUSG00000048329 | -1.76 | 1.30  | 4.39  | 3.62E-02 |
| ENSMUSG00000060843 | -3.71 | 1.62  | 5.68  | 1.71E-02 |
| ENSMUSG00000020062 | -5.18 | -0.12 | 6.06  | 1.38E-02 |
| ENSMUSG00000006764 | -2.56 | -0.35 | 5.52  | 1.88E-02 |

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|--------------------|-------|------|-------|----------|
| ENSMUSG00000023949 | -5.93 | 2.19 | 8.83  | 2.97E-03 |
| ENSMUSG00000020333 | -8.01 | 1.07 | 13.73 | 2.11E-04 |
| ENSMUSG00000020799 | -4.31 | 3.15 | 7.88  | 5.00E-03 |
| ENSMUSG00000020709 | -1.33 | 5.64 | 20.20 | 6.98E-06 |
| ENSMUSG00000020867 | -6.58 | 5.20 | 8.80  | 3.02E-03 |
| ENSMUSG00000034768 | -3.08 | 0.77 | 6.26  | 1.23E-02 |
| ENSMUSG00000034427 | -4.31 | 3.49 | 4.67  | 3.08E-02 |
| ENSMUSG00000070331 | -6.65 | 4.29 | 7.61  | 5.80E-03 |
| ENSMUSG00000003477 | -1.23 | 7.60 | 11.43 | 7.24E-04 |
| ENSMUSG00000027719 | -5.13 | 2.03 | 4.48  | 3.43E-02 |
| ENSMUSG00000026125 | -5.83 | 3.12 | 5.72  | 1.68E-02 |
| ENSMUSG00000035472 | -3.50 | 1.50 | 12.01 | 5.29E-04 |
| ENSMUSG00000047534 | -1.73 | 0.27 | 6.31  | 1.20E-02 |
| ENSMUSG00000066438 | -4.94 | 0.60 | 12.07 | 5.12E-04 |
| ENSMUSG00000021198 | -2.44 | 1.06 | 16.68 | 4.43E-05 |
| ENSMUSG00000037594 | -2.03 | 3.16 | 6.14  | 1.32E-02 |
| ENSMUSG00000029664 | -1.21 | 1.55 | 4.03  | 4.48E-02 |
| ENSMUSG00000038732 | -3.03 | 4.43 | 6.41  | 1.14E-02 |
| ENSMUSG00000047407 | -1.11 | 4.16 | 5.41  | 2.01E-02 |
| ENSMUSG00000020317 | -6.49 | 2.29 | 8.25  | 4.08E-03 |
| ENSMUSG00000044772 | -7.64 | 1.82 | 5.17  | 2.30E-02 |
| ENSMUSG00000044285 | -1.19 | 2.66 | 5.57  | 1.83E-02 |
| ENSMUSG00000037544 | -1.31 | 0.48 | 3.86  | 4.95E-02 |
| ENSMUSG00000008813 | -5.83 | 2.53 | 11.29 | 7.80E-04 |
| ENSMUSG00000044461 | -1.52 | 4.15 | 5.02  | 2.51E-02 |
| ENSMUSG00000035095 | -2.13 | 3.64 | 7.71  | 5.49E-03 |

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|--------------------|-------|------|-------|----------|
| ENSMUSG00000028364 | -1.24 | 3.60 | 6.27  | 1.23E-02 |
| ENSMUSG00000064179 | -2.20 | 1.60 | 6.03  | 1.40E-02 |
| ENSMUSG00000026414 | -3.47 | 2.29 | 5.10  | 2.39E-02 |
| ENSMUSG00000026182 | -7.57 | 2.88 | 10.35 | 1.29E-03 |
| ENSMUSG00000043050 | -8.97 | 7.56 | 10.86 | 9.81E-04 |
| ENSMUSG00000020914 | -1.36 | 3.16 | 4.34  | 3.73E-02 |
| ENSMUSG00000027506 | -1.62 | 6.50 | 6.78  | 9.19E-03 |
| ENSMUSG00000000296 | -3.07 | 3.43 | 6.45  | 1.11E-02 |
| ENSMUSG00000023930 | -6.49 | 5.25 | 9.55  | 2.00E-03 |
| ENSMUSG00000024033 | -5.11 | 4.88 | 14.11 | 1.72E-04 |
| ENSMUSG00000041566 | -5.08 | 3.27 | 7.40  | 6.53E-03 |
| ENSMUSG00000045521 | -5.42 | 4.00 | 7.68  | 5.57E-03 |
| ENSMUSG00000059891 | -4.68 | 4.56 | 6.91  | 8.56E-03 |
| ENSMUSG00000067702 | -6.30 | 4.40 | 5.60  | 1.80E-02 |
| ENSMUSG00000067338 | -6.36 | 4.58 | 7.39  | 6.56E-03 |
| ENSMUSG00000033933 | -1.09 | 5.42 | 12.25 | 4.66E-04 |
| ENSMUSG00000038879 | -1.78 | 2.61 | 4.19  | 4.08E-02 |
| ENSMUSG00000022155 | -7.38 | 4.16 | 8.30  | 3.97E-03 |
| ENSMUSG00000055692 | -1.83 | 2.95 | 4.72  | 2.98E-02 |
| ENSMUSG00000005124 | -1.22 | 0.36 | 4.09  | 4.31E-02 |
| ENSMUSG00000027656 | -1.82 | 4.16 | 17.65 | 2.65E-05 |
| ENSMUSG00000035638 | -4.21 | 0.20 | 4.99  | 2.55E-02 |
| ENSMUSG00000068167 | -6.39 | 3.21 | 7.25  | 7.09E-03 |
| ENSMUSG00000032940 | -5.73 | 3.74 | 12.45 | 4.18E-04 |
| ENSMUSG00000025610 | -1.03 | 3.20 | 6.75  | 9.36E-03 |
| ENSMUSG00000044279 | -2.53 | 2.90 | 5.39  | 2.03E-02 |

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| ENSMUSG00000003279  | -5.31 | 2.74  | 10.33 | 1.31E-03 |
| ENSMUSG000000025425 | -9.55 | 2.39  | 13.08 | 2.99E-04 |
| ENSMUSG000000045903 | -2.40 | -0.84 | 4.17  | 4.12E-02 |
| ENSMUSG000000052387 | -2.53 | 3.60  | 5.31  | 2.13E-02 |
| ENSMUSG000000049670 | -1.42 | 3.44  | 7.50  | 6.17E-03 |
| ENSMUSG000000025197 | -1.32 | -0.03 | 3.85  | 4.98E-02 |
| ENSMUSG000000048029 | -5.00 | 1.77  | 8.96  | 2.75E-03 |
| ENSMUSG000000036962 | -1.95 | 0.72  | 4.41  | 3.57E-02 |
| ENSMUSG000000016526 | -3.69 | 2.73  | 9.54  | 2.01E-03 |
| ENSMUSG000000086056 | -4.36 | -0.28 | 6.13  | 1.33E-02 |
| ENSMUSG000000037568 | -3.96 | 4.58  | 13.49 | 2.39E-04 |
| ENSMUSG000000028389 | -1.67 | 3.11  | 4.55  | 3.29E-02 |
| ENSMUSG000000026062 | -4.90 | 2.55  | 9.22  | 2.40E-03 |
| ENSMUSG000000058740 | -1.79 | 2.04  | 10.79 | 1.02E-03 |
| ENSMUSG000000038987 | -2.15 | 1.88  | 5.16  | 2.31E-02 |
| ENSMUSG000000029151 | -9.71 | 3.08  | 18.60 | 1.61E-05 |
| ENSMUSG000000027071 | -2.97 | 1.14  | 7.36  | 6.66E-03 |
| ENSMUSG000000074968 | -4.08 | 1.20  | 8.36  | 3.83E-03 |
| ENSMUSG000000034226 | -2.07 | 0.59  | 4.73  | 2.97E-02 |
| ENSMUSG000000039092 | -5.09 | 0.66  | 16.30 | 5.42E-05 |
| ENSMUSG000000032680 | -3.03 | 1.91  | 7.11  | 7.67E-03 |
| ENSMUSG000000038605 | -1.51 | 3.57  | 3.91  | 4.79E-02 |
| ENSMUSG000000027801 | -6.66 | 2.19  | 9.99  | 1.57E-03 |
| ENSMUSG000000041842 | -3.11 | 2.94  | 11.52 | 6.87E-04 |
| ENSMUSG000000068860 | -5.28 | 3.22  | 7.42  | 6.45E-03 |
| ENSMUSG000000044165 | -5.56 | 0.64  | 8.65  | 3.26E-03 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000027894 | -3.10 | 3.79  | 6.34  | 1.18E-02 |
| ENSMUSG00000040412 | -5.01 | 2.53  | 6.29  | 1.21E-02 |
| ENSMUSG00000033502 | -1.58 | 4.16  | 5.30  | 2.13E-02 |
| ENSMUSG00000044667 | -2.23 | 0.10  | 8.21  | 4.17E-03 |
| ENSMUSG00000039774 | -1.88 | 3.09  | 4.73  | 2.97E-02 |
| ENSMUSG00000034762 | -4.92 | -0.32 | 11.96 | 5.43E-04 |
| ENSMUSG00000028555 | -3.21 | 3.14  | 13.37 | 2.55E-04 |
| ENSMUSG00000028544 | -5.30 | -0.32 | 6.25  | 1.24E-02 |
| ENSMUSG00000023232 | -3.68 | 1.26  | 9.21  | 2.41E-03 |
| ENSMUSG00000028836 | -5.37 | 5.05  | 13.79 | 2.05E-04 |
| ENSMUSG00000041556 | -1.97 | 1.56  | 6.34  | 1.18E-02 |
| ENSMUSG00000029032 | -2.63 | 3.51  | 4.38  | 3.64E-02 |
| ENSMUSG00000029189 | -3.30 | 3.22  | 9.26  | 2.34E-03 |
| ENSMUSG00000050640 | -4.59 | 4.82  | 8.25  | 4.07E-03 |
| ENSMUSG00000029322 | -3.02 | 6.16  | 7.59  | 5.86E-03 |
| ENSMUSG00000029503 | -5.54 | 3.53  | 9.41  | 2.15E-03 |
| ENSMUSG00000036687 | -2.04 | 2.61  | 6.23  | 1.26E-02 |
| ENSMUSG00000047115 | -1.47 | 1.31  | 4.14  | 4.18E-02 |
| ENSMUSG00000034245 | -1.42 | 4.11  | 4.75  | 2.94E-02 |
| ENSMUSG00000029769 | -5.96 | 5.61  | 15.85 | 6.86E-05 |
| ENSMUSG00000040714 | -2.75 | 2.17  | 10.48 | 1.21E-03 |
| ENSMUSG00000064264 | -1.53 | 2.33  | 4.98  | 2.56E-02 |
| ENSMUSG00000062732 | -6.03 | 3.09  | 5.40  | 2.01E-02 |
| ENSMUSG00000055489 | -6.26 | 0.48  | 11.07 | 8.77E-04 |
| ENSMUSG00000057176 | -1.37 | 3.40  | 4.03  | 4.47E-02 |
| ENSMUSG00000031725 | 1.29  | 7.20  | 10.92 | 9.53E-04 |

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| ENSMUSG00000036564 | -1.26  | 4.47  | 5.11  | 2.38E-02 |
| ENSMUSG00000031853 | -2.50  | 3.61  | 4.58  | 3.24E-02 |
| ENSMUSG00000039977 | -4.40  | 2.87  | 7.58  | 5.89E-03 |
| ENSMUSG00000032057 | -5.73  | 1.44  | 7.09  | 7.76E-03 |
| ENSMUSG00000049556 | -4.90  | 3.40  | 8.77  | 3.06E-03 |
| ENSMUSG00000043587 | -1.51  | 3.53  | 4.52  | 3.34E-02 |
| ENSMUSG00000037341 | -1.65  | 1.02  | 3.91  | 4.79E-02 |
| ENSMUSG00000036168 | -5.10  | 2.84  | 7.17  | 7.40E-03 |
| ENSMUSG00000056752 | -5.90  | 2.39  | 9.36  | 2.21E-03 |
| ENSMUSG00000038756 | -4.78  | 2.16  | 5.58  | 1.82E-02 |
| ENSMUSG00000020581 | -8.88  | 3.60  | 11.00 | 9.13E-04 |
| ENSMUSG00000049506 | -8.30  | 3.84  | 9.43  | 2.14E-03 |
| ENSMUSG00000060499 | -6.33  | 1.88  | 6.61  | 1.02E-02 |
| ENSMUSG00000034435 | -4.08  | 5.17  | 5.14  | 2.34E-02 |
| ENSMUSG00000038526 | -2.90  | 1.13  | 4.68  | 3.04E-02 |
| ENSMUSG00000041886 | -3.54  | -0.10 | 5.51  | 1.89E-02 |
| ENSMUSG00000109228 | -4.69  | 0.98  | 5.31  | 2.12E-02 |
| ENSMUSG00000050069 | 1.66   | 4.22  | 9.89  | 1.66E-03 |
| ENSMUSG00000040640 | -2.91  | 1.53  | 7.87  | 5.03E-03 |
| ENSMUSG00000051225 | -2.16  | 2.86  | 14.09 | 1.74E-04 |
| ENSMUSG00000022388 | -10.43 | 2.69  | 15.71 | 7.40E-05 |
| ENSMUSG00000029875 | -2.55  | 0.52  | 4.56  | 3.27E-02 |
| ENSMUSG00000071636 | -6.72  | 3.81  | 7.72  | 5.47E-03 |
| ENSMUSG00000044626 | -3.45  | 1.16  | 5.25  | 2.20E-02 |
| ENSMUSG00000032959 | -1.34  | 9.12  | 4.26  | 3.90E-02 |
| ENSMUSG00000025082 | -5.57  | 2.70  | 7.47  | 6.28E-03 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000041757 | -1.61 | 5.13  | 6.21  | 1.27E-02 |
| ENSMUSG00000045968 | -2.09 | 2.70  | 5.83  | 1.57E-02 |
| ENSMUSG00000028845 | -2.29 | 2.40  | 5.04  | 2.48E-02 |
| ENSMUSG00000049598 | -1.69 | 1.89  | 6.48  | 1.09E-02 |
| ENSMUSG00000047369 | -4.13 | 2.05  | 6.16  | 1.30E-02 |
| ENSMUSG00000006542 | -1.46 | 2.74  | 9.29  | 2.30E-03 |
| ENSMUSG00000047021 | -5.83 | 3.54  | 9.41  | 2.16E-03 |
| ENSMUSG00000037418 | -3.14 | 2.75  | 5.72  | 1.68E-02 |
| ENSMUSG00000068373 | -2.70 | 1.14  | 3.89  | 4.85E-02 |
| ENSMUSG00000027356 | -3.02 | 2.80  | 4.01  | 4.53E-02 |
| ENSMUSG00000074575 | -3.00 | 2.40  | 6.96  | 8.35E-03 |
| ENSMUSG00000058921 | -5.53 | 0.12  | 4.01  | 4.53E-02 |
| ENSMUSG00000043020 | -6.38 | 1.76  | 10.43 | 1.24E-03 |
| ENSMUSG00000028238 | -1.52 | 3.55  | 5.10  | 2.39E-02 |
| ENSMUSG00000043633 | -5.35 | 2.55  | 7.08  | 7.81E-03 |
| ENSMUSG00000043003 | -4.71 | 2.94  | 8.20  | 4.20E-03 |
| ENSMUSG00000078612 | -1.65 | 2.44  | 4.80  | 2.84E-02 |
| ENSMUSG00000046637 | -3.36 | 0.75  | 4.46  | 3.47E-02 |
| ENSMUSG00000049694 | -7.78 | 2.03  | 8.57  | 3.42E-03 |
| ENSMUSG00000048794 | -1.66 | 1.24  | 4.78  | 2.88E-02 |
| ENSMUSG00000031493 | -3.40 | 3.94  | 5.69  | 1.71E-02 |
| ENSMUSG00000051618 | -7.12 | 3.40  | 9.07  | 2.60E-03 |
| ENSMUSG00000051437 | -8.68 | 3.22  | 13.60 | 2.26E-04 |
| ENSMUSG00000048236 | -8.07 | 1.33  | 12.43 | 4.22E-04 |
| ENSMUSG00000039057 | -6.37 | -0.10 | 8.67  | 3.24E-03 |
| ENSMUSG00000043668 | -5.18 | 3.06  | 7.54  | 6.04E-03 |

|                    |        |       |       |          |
|--------------------|--------|-------|-------|----------|
| ENSMUSG00000036598 | -7.14  | 2.47  | 16.54 | 4.76E-05 |
| ENSMUSG00000059854 | -5.16  | 3.37  | 12.02 | 5.26E-04 |
| ENSMUSG00000039488 | -7.30  | 0.44  | 10.16 | 1.44E-03 |
| ENSMUSG00000032500 | -1.76  | 3.69  | 9.00  | 2.71E-03 |
| ENSMUSG00000045284 | -2.49  | 0.62  | 6.51  | 1.07E-02 |
| ENSMUSG00000046449 | -3.86  | 2.14  | 8.17  | 4.26E-03 |
| ENSMUSG00000031241 | -5.92  | 1.27  | 7.21  | 7.24E-03 |
| ENSMUSG00000072966 | -2.66  | 3.48  | 5.46  | 1.95E-02 |
| ENSMUSG00000057000 | -5.08  | 3.70  | 15.18 | 9.76E-05 |
| ENSMUSG00000047485 | -6.24  | -0.04 | 6.72  | 9.51E-03 |
| ENSMUSG00000025658 | -4.52  | 2.20  | 5.05  | 2.46E-02 |
| ENSMUSG00000038180 | -2.88  | 3.41  | 3.94  | 4.71E-02 |
| ENSMUSG00000079652 | -4.70  | 3.91  | 7.90  | 4.93E-03 |
| ENSMUSG00000048500 | -10.18 | 2.10  | 9.65  | 1.90E-03 |
| ENSMUSG00000044222 | -9.21  | 1.82  | 8.94  | 2.78E-03 |
| ENSMUSG00000044743 | -5.78  | 1.13  | 4.53  | 3.33E-02 |
| ENSMUSG00000050645 | -10.20 | 3.02  | 20.18 | 7.04E-06 |
| ENSMUSG00000079355 | -1.87  | 3.24  | 6.76  | 9.34E-03 |
| ENSMUSG00000042662 | -3.74  | 2.05  | 5.93  | 1.49E-02 |
| ENSMUSG00000032921 | -5.78  | 2.33  | 7.21  | 7.26E-03 |
| ENSMUSG00000054702 | -1.55  | 3.91  | 4.30  | 3.81E-02 |
| ENSMUSG00000022236 | -3.04  | 4.89  | 6.36  | 1.16E-02 |
| ENSMUSG00000022286 | -4.40  | 3.26  | 5.05  | 2.47E-02 |
| ENSMUSG00000075081 | -1.71  | 1.44  | 4.73  | 2.97E-02 |
| ENSMUSG00000034739 | -3.17  | 4.04  | 4.04  | 4.44E-02 |
| ENSMUSG00000050996 | -6.52  | 3.22  | 6.64  | 9.96E-03 |

|                    |        |       |       |          |
|--------------------|--------|-------|-------|----------|
| ENSMUSG00000050967 | -2.23  | 0.99  | 4.99  | 2.56E-02 |
| ENSMUSG00000026610 | -1.91  | 2.01  | 5.59  | 1.80E-02 |
| ENSMUSG00000046709 | -4.81  | 1.17  | 11.01 | 9.05E-04 |
| ENSMUSG00000004864 | -4.06  | 2.70  | 8.52  | 3.52E-03 |
| ENSMUSG00000027359 | -4.31  | 2.67  | 6.99  | 8.21E-03 |
| ENSMUSG00000027737 | -4.20  | 4.50  | 7.56  | 5.95E-03 |
| ENSMUSG00000044863 | -7.40  | 0.88  | 12.63 | 3.80E-04 |
| ENSMUSG00000017639 | -2.75  | 5.11  | 11.00 | 9.12E-04 |
| ENSMUSG00000078605 | -1.21  | -0.36 | 4.22  | 3.99E-02 |
| ENSMUSG00000036523 | -5.85  | 2.69  | 6.79  | 9.17E-03 |
| ENSMUSG00000021679 | -8.12  | 0.51  | 10.60 | 1.13E-03 |
| ENSMUSG00000052516 | -3.22  | 0.10  | 4.74  | 2.95E-02 |
| ENSMUSG00000057719 | -4.36  | 3.20  | 5.84  | 1.56E-02 |
| ENSMUSG00000033276 | -2.66  | 2.91  | 6.45  | 1.11E-02 |
| ENSMUSG00000050808 | -14.10 | 6.76  | 19.83 | 8.45E-06 |
| ENSMUSG00000036834 | -3.52  | 2.14  | 4.09  | 4.31E-02 |
| ENSMUSG00000005045 | -5.14  | 4.13  | 9.49  | 2.07E-03 |
| ENSMUSG00000048142 | 1.01   | 6.32  | 5.05  | 2.46E-02 |
| ENSMUSG00000043913 | -6.39  | 3.62  | 11.64 | 6.47E-04 |
| ENSMUSG00000045467 | -4.08  | 3.93  | 10.30 | 1.33E-03 |
| ENSMUSG00000074505 | -2.74  | 1.57  | 9.66  | 1.88E-03 |
| ENSMUSG00000070306 | -9.83  | 4.02  | 7.69  | 5.56E-03 |
| ENSMUSG00000054423 | -2.37  | 1.26  | 15.10 | 1.02E-04 |
| ENSMUSG00000026567 | -4.49  | 3.08  | 6.03  | 1.41E-02 |
| ENSMUSG00000040812 | -3.92  | 1.97  | 9.85  | 1.70E-03 |
| ENSMUSG00000038980 | -4.72  | -0.53 | 5.61  | 1.78E-02 |

|                    |       |      |       |          |
|--------------------|-------|------|-------|----------|
| ENSMUSG00000007107 | -5.63 | 4.73 | 13.07 | 3.00E-04 |
| ENSMUSG00000023913 | -1.37 | 5.34 | 5.27  | 2.17E-02 |
| ENSMUSG00000037681 | -2.00 | 2.59 | 8.48  | 3.60E-03 |
| ENSMUSG00000022525 | -4.03 | 2.36 | 8.84  | 2.95E-03 |
| ENSMUSG00000050957 | -2.27 | 2.56 | 7.25  | 7.11E-03 |
| ENSMUSG00000031255 | -1.91 | 4.65 | 4.19  | 4.07E-02 |
| ENSMUSG00000034917 | -2.88 | 3.96 | 5.71  | 1.68E-02 |
| ENSMUSG00000021768 | -4.16 | 2.31 | 7.31  | 6.85E-03 |
| ENSMUSG00000054115 | -2.17 | 3.06 | 4.55  | 3.30E-02 |
| ENSMUSG00000024552 | -3.99 | 2.98 | 10.12 | 1.47E-03 |
| ENSMUSG00000045667 | -1.71 | 3.51 | 5.30  | 2.13E-02 |
| ENSMUSG00000079625 | -1.70 | 0.13 | 5.77  | 1.63E-02 |
| ENSMUSG00000038932 | -7.32 | 2.70 | 9.66  | 1.88E-03 |
| ENSMUSG00000042155 | -1.86 | 3.72 | 4.33  | 3.74E-02 |
| ENSMUSG00000045794 | -5.71 | 1.99 | 4.18  | 4.08E-02 |
| ENSMUSG00000006218 | -7.58 | 1.07 | 16.55 | 4.73E-05 |
| ENSMUSG00000050141 | -5.14 | 3.39 | 9.70  | 1.85E-03 |
| ENSMUSG00000046550 | -2.91 | 0.64 | 8.08  | 4.47E-03 |
| ENSMUSG00000062438 | -4.76 | 1.39 | 5.47  | 1.93E-02 |
| ENSMUSG00000033949 | -3.86 | 4.88 | 10.64 | 1.11E-03 |
| ENSMUSG00000006221 | -1.76 | 5.48 | 21.32 | 3.88E-06 |
| ENSMUSG00000039278 | -2.97 | 0.69 | 5.75  | 1.65E-02 |
| ENSMUSG00000029695 | -2.53 | 2.74 | 4.69  | 3.04E-02 |
| ENSMUSG00000032101 | -5.18 | 3.01 | 5.97  | 1.45E-02 |
| ENSMUSG00000079343 | -2.01 | 0.58 | 4.90  | 2.69E-02 |
| ENSMUSG00000041923 | -5.43 | 1.24 | 9.11  | 2.55E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000039238 | -3.84 | 2.26  | 4.88  | 2.72E-02 |
| ENSMUSG00000048148 | -4.27 | 2.93  | 9.02  | 2.67E-03 |
| ENSMUSG00000049560 | -4.86 | 2.62  | 9.35  | 2.23E-03 |
| ENSMUSG00000050944 | -4.31 | 2.57  | 7.35  | 6.69E-03 |
| ENSMUSG00000037747 | -3.28 | 3.03  | 4.79  | 2.87E-02 |
| ENSMUSG00000049971 | -5.46 | 1.52  | 9.49  | 2.07E-03 |
| ENSMUSG00000089809 | -1.42 | 3.70  | 4.91  | 2.67E-02 |
| ENSMUSG00000048022 | -5.75 | 0.75  | 9.01  | 2.68E-03 |
| ENSMUSG00000023999 | -2.21 | 0.59  | 4.59  | 3.22E-02 |
| ENSMUSG00000060227 | -1.14 | 4.17  | 5.63  | 1.76E-02 |
| ENSMUSG00000097254 | -1.23 | -0.10 | 4.59  | 3.21E-02 |
| ENSMUSG00000052616 | -4.99 | 0.37  | 7.72  | 5.46E-03 |
| ENSMUSG00000055945 | -3.83 | 0.64  | 5.33  | 2.10E-02 |
| ENSMUSG00000045761 | -6.98 | 1.59  | 9.40  | 2.17E-03 |
| ENSMUSG00000072663 | -3.11 | 1.71  | 6.16  | 1.31E-02 |
| ENSMUSG00000089809 | -1.42 | 3.70  | 4.91  | 2.67E-02 |
| ENSMUSG00000032948 | -5.95 | 1.22  | 6.85  | 8.86E-03 |
| ENSMUSG00000062296 | -4.92 | 4.80  | 8.29  | 3.99E-03 |
| ENSMUSG00000041817 | -3.43 | 2.79  | 4.14  | 4.20E-02 |
| ENSMUSG00000043541 | -2.07 | 2.21  | 5.02  | 2.51E-02 |
| ENSMUSG00000050050 | -3.30 | 2.42  | 7.93  | 4.86E-03 |
| ENSMUSG00000063296 | -2.50 | 0.40  | 5.19  | 2.27E-02 |
| ENSMUSG00000085576 | -8.96 | 1.94  | 12.08 | 5.10E-04 |
| ENSMUSG00000050114 | -5.68 | 3.40  | 5.56  | 1.84E-02 |
| ENSMUSG00000034912 | -5.30 | 0.35  | 7.65  | 5.66E-03 |
| ENSMUSG00000036377 | -5.14 | 4.27  | 13.20 | 2.80E-04 |

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|---------------------|--------|-------|-------|----------|
| ENSMUSG00000048478  | -3.28  | 3.77  | 7.61  | 5.80E-03 |
| ENSMUSG00000049866  | -2.27  | 6.13  | 7.24  | 7.12E-03 |
| ENSMUSG00000060044  | -1.79  | 0.01  | 4.50  | 3.38E-02 |
| ENSMUSG00000005237  | -2.91  | 2.84  | 7.30  | 6.90E-03 |
| ENSMUSG00000070345  | -5.80  | 2.15  | 7.03  | 8.01E-03 |
| ENSMUSG000000051729 | -4.68  | 3.20  | 6.34  | 1.18E-02 |
| ENSMUSG00000075524  | -7.78  | 4.07  | 6.74  | 9.42E-03 |
| ENSMUSG00000024224  | -4.81  | 1.59  | 4.70  | 3.02E-02 |
| ENSMUSG00000024207  | -5.78  | 3.11  | 6.19  | 1.28E-02 |
| ENSMUSG00000048038  | -5.06  | 4.28  | 14.12 | 1.72E-04 |
| ENSMUSG00000079502  | -4.82  | 0.60  | 8.31  | 3.93E-03 |
| ENSMUSG00000074981  | -5.51  | -0.03 | 5.01  | 2.51E-02 |
| ENSMUSG00000052922  | -7.87  | 0.84  | 15.76 | 7.18E-05 |
| ENSMUSG00000059049  | -5.44  | 1.16  | 7.28  | 6.99E-03 |
| ENSMUSG00000045004  | -6.83  | 5.03  | 8.19  | 4.21E-03 |
| ENSMUSG00000051435  | -5.42  | 3.42  | 13.13 | 2.91E-04 |
| ENSMUSG00000029074  | -6.98  | 3.71  | 14.44 | 1.45E-04 |
| ENSMUSG00000072694  | -2.26  | 4.60  | 5.87  | 1.54E-02 |
| ENSMUSG00000039742  | -8.27  | 3.55  | 7.19  | 7.35E-03 |
| ENSMUSG00000086040  | -1.15  | 3.07  | 3.86  | 4.94E-02 |
| ENSMUSG00000041372  | -5.33  | 1.39  | 9.88  | 1.67E-03 |
| ENSMUSG00000074378  | -11.35 | 3.85  | 12.30 | 4.53E-04 |
| ENSMUSG00000040298  | -5.80  | 2.42  | 7.88  | 4.99E-03 |
| ENSMUSG00000055629  | -3.05  | 1.23  | 6.49  | 1.08E-02 |
| ENSMUSG00000048644  | -2.57  | 3.40  | 10.50 | 1.20E-03 |
| ENSMUSG00000069971  | -6.88  | 3.11  | 8.44  | 3.67E-03 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000031786 | -5.33 | 2.26  | 8.42  | 3.70E-03 |
| ENSMUSG00000031258 | -3.88 | 3.07  | 7.60  | 5.84E-03 |
| ENSMUSG00000063704 | -3.92 | 2.81  | 7.61  | 5.79E-03 |
| ENSMUSG00000047841 | -4.84 | 2.06  | 6.75  | 9.37E-03 |
| ENSMUSG00000070806 | -2.36 | 0.83  | 4.97  | 2.58E-02 |
| ENSMUSG00000061578 | -3.48 | 2.64  | 10.86 | 9.82E-04 |
| ENSMUSG00000051811 | -1.49 | 3.58  | 4.55  | 3.30E-02 |
| ENSMUSG00000039021 | -3.90 | 2.17  | 6.24  | 1.25E-02 |
| ENSMUSG00000034591 | -1.51 | 4.77  | 6.30  | 1.21E-02 |
| ENSMUSG00000000197 | -1.33 | 1.86  | 4.48  | 3.44E-02 |
| ENSMUSG00000037437 | -5.83 | 3.84  | 8.61  | 3.34E-03 |
| ENSMUSG00000076438 | -6.19 | 2.65  | 6.56  | 1.04E-02 |
| ENSMUSG00000061462 | -1.91 | -0.45 | 4.82  | 2.81E-02 |
| ENSMUSG00000089876 | -1.59 | 2.55  | 4.46  | 3.48E-02 |
| ENSMUSG00000067049 | -2.52 | 0.03  | 5.64  | 1.75E-02 |
| ENSMUSG00000045036 | -5.47 | 1.75  | 4.22  | 3.99E-02 |
| ENSMUSG00000054901 | -2.16 | 1.22  | 4.51  | 3.38E-02 |
| ENSMUSG00000073600 | -2.02 | 3.77  | 4.73  | 2.96E-02 |
| ENSMUSG00000046585 | -6.26 | 1.62  | 13.73 | 2.11E-04 |
| ENSMUSG00000047361 | -4.11 | 2.48  | 9.78  | 1.77E-03 |
| ENSMUSG00000037708 | -3.35 | 1.21  | 4.40  | 3.59E-02 |
| ENSMUSG00000058174 | -3.46 | 0.35  | 5.23  | 2.22E-02 |
| ENSMUSG00000035539 | -3.43 | 1.96  | 4.26  | 3.91E-02 |
| ENSMUSG00000069733 | -5.40 | 1.04  | 5.62  | 1.78E-02 |
| ENSMUSG00000047502 | -5.02 | 2.96  | 7.35  | 6.69E-03 |
| ENSMUSG00000060268 | -2.93 | 1.04  | 5.01  | 2.53E-02 |

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|--------------------|--------|-------|-------|----------|
| ENSMUSG00000039492 | -3.32  | 1.96  | 7.15  | 7.50E-03 |
| ENSMUSG00000072754 | -9.21  | 4.53  | 9.88  | 1.67E-03 |
| ENSMUSG00000029658 | -3.13  | 0.88  | 7.39  | 6.57E-03 |
| ENSMUSG00000073102 | -5.98  | 2.07  | 12.07 | 5.13E-04 |
| ENSMUSG00000063409 | -5.59  | 1.73  | 5.56  | 1.84E-02 |
| ENSMUSG00000037159 | -3.50  | 1.34  | 3.96  | 4.65E-02 |
| ENSMUSG00000047720 | -6.73  | 4.47  | 8.63  | 3.31E-03 |
| ENSMUSG00000097075 | -3.82  | 3.84  | 8.04  | 4.58E-03 |
| ENSMUSG00000073795 | -2.82  | -0.08 | 4.59  | 3.21E-02 |
| ENSMUSG00000079644 | -10.07 | 5.99  | 16.90 | 3.93E-05 |
| ENSMUSG00000037716 | -5.14  | 1.37  | 7.42  | 6.44E-03 |
| ENSMUSG00000070280 | -2.35  | 2.82  | 5.51  | 1.89E-02 |
| ENSMUSG00000047773 | -5.69  | -0.24 | 6.06  | 1.38E-02 |
| ENSMUSG00000020639 | -3.29  | 1.99  | 5.83  | 1.58E-02 |
| ENSMUSG00000051401 | -6.42  | 1.03  | 11.23 | 8.04E-04 |
| ENSMUSG00000075033 | -2.05  | 4.48  | 5.01  | 2.52E-02 |
| ENSMUSG00000045275 | -1.80  | 2.97  | 3.87  | 4.93E-02 |
| ENSMUSG00000051956 | -8.53  | 2.97  | 9.82  | 1.73E-03 |
| ENSMUSG00000067872 | -3.17  | 0.91  | 4.16  | 4.14E-02 |
| ENSMUSG00000056544 | -13.39 | 5.78  | 13.66 | 2.19E-04 |
| ENSMUSG00000050625 | -6.11  | 0.19  | 5.42  | 1.99E-02 |
| ENSMUSG00000036231 | -4.92  | -0.37 | 4.77  | 2.89E-02 |
| ENSMUSG00000047844 | -5.67  | 3.84  | 6.51  | 1.07E-02 |
| ENSMUSG00000058441 | -3.84  | 0.99  | 6.96  | 8.34E-03 |
| ENSMUSG00000057246 | -4.24  | 4.11  | 7.98  | 4.73E-03 |
| ENSMUSG00000086822 | -5.09  | -0.18 | 4.85  | 2.76E-02 |

|                    |        |       |       |          |
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| ENSMUSG00000044162 | -1.09  | 1.40  | 3.89  | 4.85E-02 |
| ENSMUSG00000020401 | -8.79  | 3.40  | 9.41  | 2.15E-03 |
| ENSMUSG00000070332 | -8.87  | 2.81  | 9.54  | 2.01E-03 |
| ENSMUSG00000075574 | -4.71  | 1.42  | 7.16  | 7.46E-03 |
| ENSMUSG00000096215 | -5.69  | 2.09  | 4.59  | 3.22E-02 |
| ENSMUSG00000073573 | -12.40 | 8.82  | 9.83  | 1.72E-03 |
| ENSMUSG00000043282 | -7.04  | 4.04  | 7.63  | 5.74E-03 |
| ENSMUSG00000043429 | -9.26  | 3.21  | 8.81  | 2.99E-03 |
| ENSMUSG00000074736 | -4.33  | 0.88  | 4.32  | 3.76E-02 |
| ENSMUSG00000028834 | -3.73  | -1.01 | 4.28  | 3.86E-02 |
| ENSMUSG00000029153 | -1.91  | 3.76  | 7.45  | 6.34E-03 |
| ENSMUSG00000070639 | -1.65  | 5.55  | 4.72  | 2.98E-02 |
| ENSMUSG00000086847 | -4.61  | 0.54  | 4.11  | 4.26E-02 |
| ENSMUSG00000070802 | -2.55  | 1.79  | 6.76  | 9.32E-03 |
| ENSMUSG00000049008 | -6.46  | 2.89  | 10.17 | 1.43E-03 |
| ENSMUSG00000042269 | -5.68  | -0.69 | 6.03  | 1.41E-02 |
| ENSMUSG00000070999 | -7.27  | 3.39  | 7.16  | 7.46E-03 |
| ENSMUSG00000035211 | -4.46  | 3.16  | 5.59  | 1.81E-02 |
| ENSMUSG00000068392 | -9.35  | 5.24  | 9.87  | 1.68E-03 |
| ENSMUSG00000022783 | -5.48  | 2.85  | 6.86  | 8.84E-03 |
| ENSMUSG00000000385 | -5.02  | 3.42  | 7.03  | 8.02E-03 |
| ENSMUSG00000030792 | -5.94  | 4.32  | 13.36 | 2.57E-04 |
| ENSMUSG00000034532 | -3.03  | 0.92  | 8.15  | 4.31E-03 |
| ENSMUSG00000029716 | -2.00  | 0.90  | 8.31  | 3.95E-03 |
| ENSMUSG00000021983 | -2.52  | 2.02  | 7.75  | 5.36E-03 |
| ENSMUSG00000026358 | -1.37  | 1.89  | 3.92  | 4.78E-02 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000015112 | -1.84 | 2.67  | 5.70  | 1.70E-02 |
| ENSMUSG00000036928 | -4.98 | 3.17  | 8.57  | 3.42E-03 |
| ENSMUSG00000006575 | -1.63 | 1.77  | 7.13  | 7.58E-03 |
| ENSMUSG00000027331 | -2.18 | 2.80  | 4.09  | 4.31E-02 |
| ENSMUSG00000022033 | -2.47 | 1.31  | 4.79  | 2.87E-02 |
| ENSMUSG00000049588 | 1.16  | 4.90  | 7.43  | 6.42E-03 |
| ENSMUSG00000042216 | -1.57 | 2.00  | 3.91  | 4.81E-02 |
| ENSMUSG00000025576 | -4.47 | 4.45  | 8.00  | 4.67E-03 |
| ENSMUSG00000032010 | -2.16 | 4.94  | 6.23  | 1.25E-02 |
| ENSMUSG00000004328 | -1.38 | 2.20  | 7.94  | 4.85E-03 |
| ENSMUSG00000004961 | -5.73 | -0.29 | 8.70  | 3.17E-03 |
| ENSMUSG00000018554 | -3.04 | 6.29  | 5.05  | 2.46E-02 |
| ENSMUSG00000020193 | -2.40 | 1.91  | 4.06  | 4.40E-02 |
| ENSMUSG00000018569 | -5.30 | 5.16  | 6.62  | 1.01E-02 |
| ENSMUSG00000028141 | -6.88 | 5.04  | 15.93 | 6.59E-05 |
| ENSMUSG00000030137 | -5.19 | 3.44  | 9.31  | 2.28E-03 |
| ENSMUSG00000008601 | -3.67 | 3.27  | 5.60  | 1.79E-02 |
| ENSMUSG00000049721 | -2.14 | -0.36 | 3.93  | 4.74E-02 |
| ENSMUSG00000039131 | -3.26 | 2.31  | 4.91  | 2.67E-02 |
| ENSMUSG00000026638 | -2.50 | 4.38  | 5.43  | 1.98E-02 |
| ENSMUSG00000000402 | -2.88 | 2.42  | 3.95  | 4.70E-02 |
| ENSMUSG00000003271 | -3.32 | 2.08  | 7.39  | 6.57E-03 |
| ENSMUSG00000020723 | -1.87 | -0.42 | 4.46  | 3.46E-02 |
| ENSMUSG00000038994 | -9.01 | 3.93  | 12.11 | 5.02E-04 |
| ENSMUSG00000060180 | -6.04 | -0.21 | 6.57  | 1.04E-02 |
| ENSMUSG00000063260 | -5.67 | 0.21  | 8.67  | 3.24E-03 |

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| ENSMUSG00000060257 | -7.06 | 0.18  | 8.36  | 3.84E-03 |
| ENSMUSG00000070471 | -3.58 | 1.26  | 5.42  | 1.99E-02 |
| ENSMUSG00000022375 | -6.21 | 1.34  | 10.56 | 1.16E-03 |
| ENSMUSG00000038764 | -1.47 | 4.82  | 6.14  | 1.32E-02 |
| ENSMUSG00000030091 | -2.09 | 4.70  | 6.52  | 1.06E-02 |
| ENSMUSG00000011350 | -7.61 | 2.94  | 11.36 | 7.51E-04 |
| ENSMUSG00000003271 | -3.32 | 2.08  | 7.39  | 6.57E-03 |
| ENSMUSG00000030510 | -4.80 | 1.44  | 9.72  | 1.83E-03 |
| ENSMUSG00000059463 | -4.18 | 3.79  | 4.30  | 3.82E-02 |
| ENSMUSG00000065952 | -4.90 | 0.35  | 6.20  | 1.28E-02 |
| ENSMUSG00000039202 | -1.10 | 7.30  | 4.42  | 3.56E-02 |
| ENSMUSG00000018822 | -1.53 | 7.33  | 17.03 | 3.69E-05 |
| ENSMUSG00000044976 | -5.27 | -0.07 | 7.96  | 4.78E-03 |
| ENSMUSG00000094282 | -3.46 | -0.33 | 4.14  | 4.19E-02 |
| ENSMUSG00000032076 | -1.32 | 4.57  | 11.31 | 7.70E-04 |
| ENSMUSG00000020475 | -4.46 | 4.49  | 8.35  | 3.85E-03 |
| ENSMUSG00000038453 | -4.31 | 3.29  | 10.24 | 1.37E-03 |
| ENSMUSG00000019853 | -1.87 | 2.88  | 4.15  | 4.17E-02 |
| ENSMUSG00000030688 | -2.67 | 6.14  | 12.47 | 4.13E-04 |
| ENSMUSG00000038011 | -1.86 | 2.69  | 4.01  | 4.52E-02 |
| ENSMUSG00000041046 | -4.89 | 5.94  | 6.36  | 1.16E-02 |
| ENSMUSG00000028838 | -1.88 | 1.48  | 4.57  | 3.26E-02 |
| ENSMUSG00000070803 | -3.60 | 3.96  | 6.62  | 1.01E-02 |
| ENSMUSG00000029707 | -7.25 | 2.61  | 9.19  | 2.43E-03 |
| ENSMUSG00000028943 | -2.40 | 5.09  | 7.46  | 6.30E-03 |
| ENSMUSG00000028610 | -6.33 | 4.07  | 7.96  | 4.77E-03 |

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| ENSMUSG00000030549 | -12.54 | 5.25 | 16.23 | 5.61E-05 |
| ENSMUSG00000032561 | -2.08  | 3.79 | 5.25  | 2.19E-02 |
| ENSMUSG00000006216 | -4.48  | 0.11 | 5.00  | 2.54E-02 |
| ENSMUSG00000079056 | -1.36  | 3.88 | 5.03  | 2.49E-02 |
| ENSMUSG00000024665 | -1.42  | 6.66 | 4.14  | 4.18E-02 |
| ENSMUSG00000028976 | -5.82  | 4.08 | 11.62 | 6.51E-04 |
| ENSMUSG00000074817 | -7.05  | 3.91 | 7.43  | 6.41E-03 |
| ENSMUSG00000031727 | -5.25  | 4.24 | 7.88  | 5.00E-03 |
| ENSMUSG00000036964 | -4.83  | 2.86 | 7.63  | 5.73E-03 |
| ENSMUSG00000048206 | -4.93  | 1.11 | 7.33  | 6.79E-03 |
| ENSMUSG00000023467 | -5.28  | 4.43 | 9.25  | 2.35E-03 |
| ENSMUSG00000002324 | -3.88  | 2.93 | 9.07  | 2.59E-03 |
| ENSMUSG00000058153 | -2.35  | 2.03 | 10.71 | 1.06E-03 |
| ENSMUSG00000051397 | -2.96  | 1.42 | 4.27  | 3.88E-02 |
| ENSMUSG00000007279 | -4.26  | 0.18 | 8.55  | 3.45E-03 |
| ENSMUSG00000029130 | -2.60  | 2.81 | 4.77  | 2.89E-02 |
| ENSMUSG00000040432 | -3.96  | 0.41 | 5.07  | 2.43E-02 |
| ENSMUSG00000031022 | -4.13  | 0.99 | 7.50  | 6.19E-03 |
| ENSMUSG00000015401 | -6.04  | 0.07 | 4.37  | 3.65E-02 |
| ENSMUSG00000073125 | 1.31   | 2.45 | 4.63  | 3.14E-02 |
| ENSMUSG00000029423 | -7.90  | 3.05 | 5.27  | 2.17E-02 |
| ENSMUSG00000047108 | -4.70  | 2.42 | 8.19  | 4.22E-03 |
| ENSMUSG00000028259 | -2.27  | 3.18 | 4.61  | 3.18E-02 |
| ENSMUSG00000039257 | -1.57  | 0.78 | 5.57  | 1.83E-02 |
| ENSMUSG00000039364 | -7.84  | 2.02 | 7.20  | 7.29E-03 |
| ENSMUSG00000024112 | -1.77  | 4.29 | 8.64  | 3.29E-03 |

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|--------------------|--------|-------|-------|----------|
| ENSMUSG00000032285 | -1.70  | 5.19  | 5.48  | 1.92E-02 |
| ENSMUSG00000076433 | -4.78  | 4.18  | 7.27  | 7.02E-03 |
| ENSMUSG00000000411 | -5.87  | 2.86  | 6.83  | 8.95E-03 |
| ENSMUSG00000040231 | -5.22  | 2.14  | 7.44  | 6.36E-03 |
| ENSMUSG00000027674 | -4.23  | 1.48  | 8.10  | 4.43E-03 |
| ENSMUSG00000038298 | -7.82  | 4.07  | 31.99 | 1.55E-08 |
| ENSMUSG00000023032 | -1.51  | 3.61  | 7.38  | 6.59E-03 |
| ENSMUSG00000044550 | -2.09  | 2.47  | 5.97  | 1.46E-02 |
| ENSMUSG00000024180 | -1.39  | 4.93  | 7.28  | 6.98E-03 |
| ENSMUSG00000022619 | -4.15  | 1.19  | 5.05  | 2.46E-02 |
| ENSMUSG00000054763 | -6.58  | 7.55  | 6.61  | 1.02E-02 |
| ENSMUSG00000073209 | -2.00  | 2.78  | 8.66  | 3.25E-03 |
| ENSMUSG00000045684 | -6.09  | 0.10  | 8.84  | 2.94E-03 |
| ENSMUSG00000090113 | -5.04  | 0.34  | 5.94  | 1.48E-02 |
| ENSMUSG00000068601 | -3.99  | -0.48 | 6.00  | 1.43E-02 |
| ENSMUSG00000111658 | -1.10  | 2.49  | 4.64  | 3.13E-02 |
| ENSMUSG00000095407 | -2.65  | 0.88  | 5.75  | 1.64E-02 |
| ENSMUSG00000043060 | -6.96  | 3.08  | 7.51  | 6.14E-03 |
| ENSMUSG00000037627 | -7.46  | 3.59  | 11.96 | 5.43E-04 |
| ENSMUSG00000059114 | -6.28  | 2.09  | 8.61  | 3.34E-03 |
| ENSMUSG00000042256 | -1.74  | 0.23  | 7.40  | 6.50E-03 |
| ENSMUSG00000053367 | -16.21 | 8.80  | 11.50 | 6.97E-04 |
| ENSMUSG00000096141 | -5.16  | 1.38  | 7.47  | 6.29E-03 |
| ENSMUSG00000074681 | -9.42  | 7.75  | 7.10  | 7.70E-03 |
| ENSMUSG00000056509 | -5.92  | 2.96  | 10.89 | 9.65E-04 |
| ENSMUSG00000069372 | -4.74  | -0.25 | 4.26  | 3.90E-02 |

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| ENSMUSG00000074627 | -4.41  | 1.83  | 5.69  | 1.71E-02 |
| ENSMUSG00000074594 | -6.18  | 4.76  | 4.19  | 4.06E-02 |
| ENSMUSG00000078940 | -5.91  | 1.97  | 5.48  | 1.92E-02 |
| ENSMUSG00000035983 | -3.42  | 0.64  | 8.78  | 3.05E-03 |
| ENSMUSG00000078627 | -5.91  | 4.03  | 6.13  | 1.33E-02 |
| ENSMUSG00000091415 | -4.17  | 1.75  | 8.35  | 3.86E-03 |
| ENSMUSG00000028813 | -5.54  | 1.45  | 7.37  | 6.62E-03 |
| ENSMUSG00000073077 | -2.60  | 0.38  | 5.73  | 1.66E-02 |
| ENSMUSG00000110622 | -6.86  | 4.31  | 7.20  | 7.29E-03 |
| ENSMUSG00000023945 | -4.24  | 2.71  | 19.60 | 9.53E-06 |
| ENSMUSG00000032204 | -2.80  | 5.32  | 8.23  | 4.12E-03 |
| ENSMUSG00000019851 | -1.91  | 3.90  | 5.44  | 1.96E-02 |
| ENSMUSG00000076436 | -7.26  | 3.00  | 8.64  | 3.29E-03 |
| ENSMUSG00000074593 | -13.89 | 6.33  | 8.82  | 2.98E-03 |
| ENSMUSG00000075304 | -4.20  | 0.64  | 6.22  | 1.26E-02 |
| ENSMUSG00000024694 | -5.96  | -0.17 | 5.95  | 1.47E-02 |
| ENSMUSG00000016763 | -2.58  | 2.48  | 4.14  | 4.18E-02 |
| ENSMUSG00000074678 | -4.62  | 0.09  | 12.44 | 4.21E-04 |
| ENSMUSG00000073735 | -6.96  | -0.04 | 7.19  | 7.35E-03 |
| ENSMUSG00000075573 | -7.54  | 0.90  | 8.12  | 4.37E-03 |
| ENSMUSG00000028989 | -3.36  | 0.29  | 15.27 | 9.34E-05 |
| ENSMUSG00000050914 | -2.17  | -0.11 | 5.75  | 1.65E-02 |
| ENSMUSG00000020096 | -4.53  | 2.68  | 5.86  | 1.55E-02 |
| ENSMUSG00000040594 | -1.99  | 2.12  | 5.98  | 1.44E-02 |
| ENSMUSG00000046727 | -1.13  | 5.95  | 5.62  | 1.77E-02 |
| ENSMUSG00000014075 | -1.14  | 3.44  | 5.80  | 1.61E-02 |

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|---------------------|-------|-------|-------|----------|
| ENSMUSG00000062248  | -1.44 | 2.55  | 4.15  | 4.16E-02 |
| ENSMUSG00000072694  | -2.26 | 4.60  | 5.87  | 1.54E-02 |
| ENSMUSG00000078963  | -3.76 | 0.75  | 6.78  | 9.23E-03 |
| ENSMUSG00000022270  | -1.58 | 4.11  | 6.10  | 1.35E-02 |
| ENSMUSG00000056508  | -2.70 | 2.88  | 4.44  | 3.52E-02 |
| ENSMUSG00000027431  | -6.67 | 2.57  | 6.46  | 1.10E-02 |
| ENSMUSG00000042797  | -1.79 | 4.37  | 3.97  | 4.64E-02 |
| ENSMUSG00000051736  | -2.27 | 4.31  | 3.89  | 4.85E-02 |
| ENSMUSG00000042200  | -7.17 | 3.02  | 10.64 | 1.11E-03 |
| ENSMUSG000000109864 | -4.51 | 3.37  | 9.57  | 1.98E-03 |
| ENSMUSG00000028139  | -3.21 | 2.62  | 6.98  | 8.23E-03 |
| ENSMUSG00000005233  | -1.19 | 1.79  | 4.12  | 4.24E-02 |
| ENSMUSG00000028536  | -6.49 | 1.91  | 6.53  | 1.06E-02 |
| ENSMUSG00000052075  | -6.86 | 4.07  | 8.06  | 4.53E-03 |
| ENSMUSG00000031452  | -9.58 | 3.95  | 15.39 | 8.74E-05 |
| ENSMUSG00000027692  | -1.67 | 3.28  | 4.44  | 3.51E-02 |
| ENSMUSG000000107334 | -4.33 | -0.23 | 4.15  | 4.16E-02 |
| ENSMUSG00000029134  | -6.57 | 1.98  | 11.69 | 6.29E-04 |
| ENSMUSG00000061666  | -1.64 | 3.57  | 7.97  | 4.75E-03 |
| ENSMUSG00000056912  | -6.05 | 1.76  | 6.10  | 1.35E-02 |
| ENSMUSG00000078796  | -7.76 | 2.56  | 9.21  | 2.41E-03 |
| ENSMUSG00000038132  | -2.62 | 3.37  | 4.51  | 3.37E-02 |
| ENSMUSG00000013611  | -4.45 | 0.00  | 5.21  | 2.24E-02 |
| ENSMUSG00000024136  | -2.44 | 4.14  | 5.48  | 1.92E-02 |
| ENSMUSG00000046846  | -4.55 | 2.35  | 4.21  | 4.02E-02 |
| ENSMUSG00000047025  | -7.31 | 3.67  | 6.83  | 8.95E-03 |

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| ENSMUSG00000050677 | -3.01 | 2.72  | 4.94  | 2.62E-02 |
| ENSMUSG00000001558 | -4.56 | 3.68  | 10.94 | 9.41E-04 |
| ENSMUSG00000053153 | -5.42 | 2.59  | 5.73  | 1.67E-02 |
| ENSMUSG00000024973 | -3.63 | 4.32  | 6.03  | 1.40E-02 |
| ENSMUSG00000029607 | -3.11 | 2.14  | 5.60  | 1.80E-02 |
| ENSMUSG00000045246 | -2.89 | 2.12  | 6.12  | 1.34E-02 |
| ENSMUSG00000075302 | -5.64 | 2.73  | 11.56 | 6.73E-04 |
| ENSMUSG00000073730 | -4.73 | 3.34  | 7.40  | 6.54E-03 |
| ENSMUSG00000046886 | -7.08 | 1.84  | 11.91 | 5.59E-04 |
| ENSMUSG00000090369 | -5.64 | 5.08  | 9.68  | 1.86E-03 |
| ENSMUSG00000092009 | -2.46 | -0.01 | 4.41  | 3.57E-02 |
| ENSMUSG00000068617 | -5.24 | 1.62  | 9.82  | 1.73E-03 |
| ENSMUSG00000030200 | -5.69 | 4.00  | 19.87 | 8.27E-06 |
| ENSMUSG00000070661 | -6.03 | 1.55  | 5.98  | 1.45E-02 |
| ENSMUSG00000087279 | -5.51 | 2.15  | 7.26  | 7.04E-03 |
| ENSMUSG00000031438 | -3.00 | 5.37  | 9.26  | 2.34E-03 |
| ENSMUSG00000053111 | -6.63 | 3.07  | 15.74 | 7.26E-05 |
| ENSMUSG00000023873 | -2.98 | 3.54  | 4.24  | 3.94E-02 |
| ENSMUSG00000073758 | -1.91 | 5.12  | 4.73  | 2.96E-02 |
| ENSMUSG00000034317 | -1.34 | 1.57  | 4.15  | 4.17E-02 |
| ENSMUSG00000031428 | -1.34 | 0.98  | 4.13  | 4.20E-02 |
| ENSMUSG00000025665 | -3.98 | 0.49  | 7.32  | 6.80E-03 |
| ENSMUSG00000050623 | -5.12 | 2.64  | 8.04  | 4.57E-03 |
| ENSMUSG00000043629 | -2.10 | 3.72  | 4.24  | 3.95E-02 |
| ENSMUSG00000072473 | -8.15 | 1.32  | 14.10 | 1.73E-04 |
| ENSMUSG00000096950 | -2.22 | -0.14 | 6.26  | 1.24E-02 |

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| ENSMUSG00000028716 | -5.21 | 5.02  | 9.43  | 2.14E-03 |
| ENSMUSG00000020646 | -3.65 | 4.42  | 4.00  | 4.56E-02 |
| ENSMUSG00000021373 | -2.02 | 3.38  | 5.93  | 1.49E-02 |
| ENSMUSG00000041605 | -4.30 | 2.83  | 9.89  | 1.66E-03 |
| ENSMUSG00000041009 | -6.17 | 2.39  | 9.05  | 2.63E-03 |
| ENSMUSG00000003341 | -6.36 | 6.02  | 7.15  | 7.51E-03 |
| ENSMUSG00000097717 | -6.91 | -0.28 | 16.38 | 5.18E-05 |
| ENSMUSG00000027355 | -7.69 | 3.24  | 9.15  | 2.48E-03 |
| ENSMUSG00000020286 | -4.14 | 2.42  | 5.60  | 1.79E-02 |
| ENSMUSG00000020434 | -2.65 | 2.34  | 6.16  | 1.31E-02 |
| ENSMUSG00000040794 | -3.07 | 3.67  | 7.95  | 4.80E-03 |
| ENSMUSG00000033053 | -5.08 | 2.00  | 7.64  | 5.71E-03 |
| ENSMUSG00000042213 | -2.72 | 3.46  | 6.32  | 1.19E-02 |
| ENSMUSG00000008482 | -7.20 | 3.53  | 6.95  | 8.37E-03 |
| ENSMUSG00000026931 | -7.18 | 3.30  | 7.31  | 6.85E-03 |
| ENSMUSG00000046173 | -6.73 | 2.67  | 6.28  | 1.22E-02 |
| ENSMUSG00000041673 | -5.07 | 3.99  | 9.33  | 2.26E-03 |
| ENSMUSG00000087223 | -8.15 | 1.07  | 14.32 | 1.54E-04 |
| ENSMUSG00000012126 | -2.63 | 3.87  | 9.92  | 1.63E-03 |
| ENSMUSG00000055891 | -5.77 | 3.12  | 9.37  | 2.21E-03 |
| ENSMUSG00000031637 | -4.00 | 1.55  | 7.08  | 7.80E-03 |
| ENSMUSG00000074476 | -1.33 | 0.81  | 4.65  | 3.10E-02 |
| ENSMUSG00000024223 | -5.84 | 2.36  | 8.32  | 3.93E-03 |
| ENSMUSG00000036463 | -5.78 | 1.90  | 5.11  | 2.38E-02 |
| ENSMUSG00000070465 | -1.81 | -0.64 | 4.23  | 3.97E-02 |
| ENSMUSG00000048234 | -1.45 | 6.31  | 4.20  | 4.03E-02 |

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| ENSMUSG00000024768 | -4.00 | 0.31  | 9.75  | 1.79E-03 |
| ENSMUSG00000066368 | -7.43 | 3.87  | 9.22  | 2.39E-03 |
| ENSMUSG00000046196 | -6.02 | 2.93  | 10.59 | 1.14E-03 |
| ENSMUSG00000022431 | -5.21 | 0.42  | 7.17  | 7.41E-03 |
| ENSMUSG00000035179 | -4.54 | 2.14  | 8.24  | 4.10E-03 |
| ENSMUSG00000028938 | -7.36 | 3.49  | 8.78  | 3.05E-03 |
| ENSMUSG00000034913 | -7.91 | 4.42  | 11.16 | 8.34E-04 |
| ENSMUSG00000017049 | -6.98 | 2.52  | 9.07  | 2.60E-03 |
| ENSMUSG00000021977 | -6.50 | 3.45  | 5.27  | 2.17E-02 |
| ENSMUSG00000035964 | -4.19 | -0.12 | 7.13  | 7.57E-03 |
| ENSMUSG00000032108 | -9.06 | 3.90  | 10.90 | 9.60E-04 |
| ENSMUSG00000039209 | -4.80 | 2.35  | 5.97  | 1.45E-02 |
| ENSMUSG00000062651 | -8.31 | 2.71  | 10.38 | 1.27E-03 |
| ENSMUSG00000078554 | -6.43 | 2.87  | 11.20 | 8.16E-04 |
| ENSMUSG00000070708 | -7.08 | 2.89  | 6.53  | 1.06E-02 |
| ENSMUSG00000023577 | -6.33 | 4.62  | 9.24  | 2.36E-03 |
| ENSMUSG00000031831 | -6.90 | 4.66  | 11.37 | 7.47E-04 |
| ENSMUSG00000036411 | -2.46 | 1.80  | 10.95 | 9.35E-04 |
| ENSMUSG00000004035 | -3.52 | 7.50  | 5.09  | 2.40E-02 |
| ENSMUSG00000030004 | -4.18 | -1.33 | 4.03  | 4.46E-02 |
| ENSMUSG00000029161 | -1.54 | 0.97  | 4.17  | 4.10E-02 |
| ENSMUSG00000028730 | -4.88 | 2.63  | 8.83  | 2.96E-03 |
| ENSMUSG00000026807 | -2.82 | 3.22  | 4.76  | 2.92E-02 |
| ENSMUSG00000061322 | -4.30 | 1.46  | 7.82  | 5.17E-03 |
| ENSMUSG00000034112 | -3.32 | -0.26 | 5.57  | 1.82E-02 |
| ENSMUSG00000037600 | -4.65 | 2.43  | 4.97  | 2.58E-02 |

|                     |       |      |       |          |
|---------------------|-------|------|-------|----------|
| ENSMUSG00000041774  | -1.74 | 1.09 | 5.81  | 1.60E-02 |
| ENSMUSG00000030732  | -3.97 | 0.82 | 5.42  | 1.99E-02 |
| ENSMUSG00000091575  | 1.28  | 5.50 | 9.77  | 1.78E-03 |
| ENSMUSG00000031518  | -8.56 | 3.76 | 11.75 | 6.07E-04 |
| ENSMUSG00000095040  | -3.55 | 1.67 | 5.93  | 1.48E-02 |
| ENSMUSG00000025482  | -6.82 | 2.24 | 6.68  | 9.78E-03 |
| ENSMUSG00000074344  | -5.60 | 1.50 | 4.88  | 2.72E-02 |
| ENSMUSG00000020878  | -4.94 | 3.70 | 8.74  | 3.12E-03 |
| ENSMUSG00000055826  | -7.42 | 1.87 | 9.55  | 2.00E-03 |
| ENSMUSG00000044056  | -3.01 | 1.56 | 4.20  | 4.05E-02 |
| ENSMUSG00000037196  | -4.48 | 3.11 | 10.80 | 1.01E-03 |
| ENSMUSG000000101012 | -6.09 | 2.98 | 6.38  | 1.15E-02 |
| ENSMUSG00000021534  | -5.14 | 1.53 | 10.50 | 1.19E-03 |
| ENSMUSG00000048686  | -8.24 | 3.97 | 10.71 | 1.07E-03 |
| ENSMUSG00000030858  | -4.71 | 0.84 | 4.25  | 3.93E-02 |
| ENSMUSG00000020617  | -6.74 | 1.85 | 9.21  | 2.41E-03 |
| ENSMUSG00000031927  | -8.88 | 1.97 | 12.89 | 3.30E-04 |
| ENSMUSG00000026831  | -4.43 | 1.73 | 7.58  | 5.89E-03 |
| ENSMUSG00000028294  | -5.93 | 3.85 | 8.16  | 4.29E-03 |
| ENSMUSG00000027927  | -4.96 | 2.76 | 7.62  | 5.76E-03 |
| ENSMUSG00000050685  | -5.92 | 2.34 | 5.42  | 1.99E-02 |
| ENSMUSG00000020270  | -6.35 | 1.99 | 7.05  | 7.94E-03 |
| ENSMUSG00000070563  | -6.22 | 1.16 | 5.67  | 1.73E-02 |
| ENSMUSG00000028589  | -3.94 | 0.63 | 6.06  | 1.38E-02 |
| ENSMUSG00000024729  | -6.36 | 2.25 | 5.42  | 1.99E-02 |
| ENSMUSG00000030292  | -4.88 | 1.60 | 4.55  | 3.30E-02 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000017195 | -4.35 | 2.37  | 6.58  | 1.03E-02 |
| ENSMUSG00000041399 | -6.97 | 3.59  | 9.06  | 2.62E-03 |
| ENSMUSG00000045022 | -7.33 | 1.79  | 9.53  | 2.02E-03 |
| ENSMUSG00000030708 | -1.75 | 3.58  | 3.98  | 4.60E-02 |
| ENSMUSG00000022603 | -7.39 | 3.76  | 7.25  | 7.10E-03 |
| ENSMUSG00000020940 | -5.29 | 2.96  | 7.80  | 5.23E-03 |
| ENSMUSG00000020945 | -8.37 | 0.78  | 11.93 | 5.52E-04 |
| ENSMUSG00000101968 | -6.51 | 3.86  | 10.21 | 1.40E-03 |
| ENSMUSG00000036480 | -6.89 | 1.69  | 8.32  | 3.92E-03 |
| ENSMUSG00000078577 | -6.71 | 2.76  | 4.29  | 3.84E-02 |
| ENSMUSG00000092519 | -6.60 | 3.58  | 7.92  | 4.90E-03 |
| ENSMUSG00000021790 | -7.41 | 0.37  | 9.90  | 1.65E-03 |
| ENSMUSG00000031847 | -5.56 | 3.77  | 10.40 | 1.26E-03 |
| ENSMUSG00000039269 | -5.04 | 0.26  | 6.10  | 1.36E-02 |
| ENSMUSG00000100157 | -7.29 | 0.22  | 7.40  | 6.53E-03 |
| ENSMUSG00000023153 | -4.12 | 0.60  | 9.86  | 1.69E-03 |
| ENSMUSG00000079022 | -5.41 | 2.98  | 6.93  | 8.47E-03 |
| ENSMUSG00000035578 | -3.15 | 2.37  | 12.27 | 4.61E-04 |
| ENSMUSG00000046242 | -4.73 | 1.27  | 5.34  | 2.08E-02 |
| ENSMUSG00000090925 | -6.57 | 1.00  | 7.66  | 5.65E-03 |
| ENSMUSG00000052595 | -5.81 | -0.21 | 7.56  | 5.97E-03 |
| ENSMUSG00000033987 | -2.87 | 3.34  | 4.08  | 4.34E-02 |
| ENSMUSG00000053030 | -6.39 | 5.70  | 16.26 | 5.52E-05 |
| ENSMUSG00000026809 | -4.70 | 3.27  | 7.84  | 5.11E-03 |
| ENSMUSG00000004633 | -2.44 | 3.92  | 5.91  | 1.51E-02 |
| ENSMUSG00000038782 | -4.65 | 2.87  | 7.44  | 6.39E-03 |

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| ENSMUSG00000026226 | -4.96 | 4.26 | 13.53 | 2.35E-04 |
| ENSMUSG00000027517 | -6.40 | 2.64 | 7.58  | 5.91E-03 |
| ENSMUSG00000048077 | -6.99 | 4.52 | 6.52  | 1.07E-02 |
| ENSMUSG00000007034 | -3.31 | 3.58 | 4.23  | 3.97E-02 |
| ENSMUSG00000019762 | -5.45 | 2.52 | 4.41  | 3.58E-02 |
| ENSMUSG00000045763 | -2.03 | 6.43 | 6.33  | 1.19E-02 |
| ENSMUSG00000053519 | -3.38 | 0.74 | 5.53  | 1.87E-02 |
| ENSMUSG00000063130 | -6.60 | 5.23 | 7.18  | 7.38E-03 |
| ENSMUSG00000018570 | -4.04 | 3.62 | 15.17 | 9.80E-05 |
| ENSMUSG00000039179 | -5.95 | 2.40 | 9.33  | 2.25E-03 |
| ENSMUSG00000049916 | -6.74 | 5.07 | 9.01  | 2.68E-03 |
| ENSMUSG00000030518 | -5.79 | 0.18 | 8.57  | 3.42E-03 |
| ENSMUSG00000027956 | -2.55 | 2.32 | 7.18  | 7.36E-03 |
| ENSMUSG00000056679 | -1.51 | 1.21 | 6.44  | 1.12E-02 |
| ENSMUSG00000029828 | -3.36 | 4.01 | 6.07  | 1.38E-02 |
| ENSMUSG00000019834 | -5.95 | 2.35 | 6.79  | 9.19E-03 |
| ENSMUSG00000050122 | -4.78 | 3.20 | 9.90  | 1.65E-03 |
| ENSMUSG00000021997 | -6.33 | 1.90 | 8.21  | 4.17E-03 |
| ENSMUSG00000039335 | -6.05 | 2.61 | 5.95  | 1.47E-02 |
| ENSMUSG00000038085 | -1.86 | 3.17 | 4.47  | 3.44E-02 |
| ENSMUSG00000020622 | -4.73 | 4.16 | 7.86  | 5.04E-03 |
| ENSMUSG00000037683 | -4.07 | 2.20 | 5.72  | 1.68E-02 |
| ENSMUSG00000039391 | -4.79 | 2.18 | 5.73  | 1.67E-02 |
| ENSMUSG00000031323 | -3.13 | 2.09 | 4.71  | 3.00E-02 |
| ENSMUSG00000056987 | -7.74 | 3.57 | 10.33 | 1.31E-03 |
| ENSMUSG00000037747 | -3.28 | 3.03 | 4.79  | 2.87E-02 |

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|                     |       |      |       |          |
|---------------------|-------|------|-------|----------|
| ENSMUSG00000029206  | -3.07 | 2.49 | 6.31  | 1.20E-02 |
| ENSMUSG00000033368  | -4.10 | 1.44 | 4.85  | 2.77E-02 |
| ENSMUSG00000028520  | -7.02 | 1.62 | 7.74  | 5.41E-03 |
| ENSMUSG00000007907  | -6.26 | 4.11 | 7.41  | 6.48E-03 |
| ENSMUSG00000032023  | -5.34 | 1.17 | 8.05  | 4.56E-03 |
| ENSMUSG00000034623  | -4.24 | 2.37 | 5.33  | 2.09E-02 |
| ENSMUSG000000110427 | -6.33 | 0.69 | 11.65 | 6.42E-04 |
| ENSMUSG00000042189  | -8.85 | 1.70 | 12.59 | 3.89E-04 |
| ENSMUSG00000022542  | -6.93 | 2.74 | 7.78  | 5.29E-03 |
| ENSMUSG00000007591  | -2.53 | 1.53 | 4.68  | 3.05E-02 |
| ENSMUSG00000024430  | -3.68 | 3.54 | 8.06  | 4.52E-03 |
| ENSMUSG00000089984  | -3.40 | 2.13 | 5.79  | 1.61E-02 |
| ENSMUSG00000021791  | -6.26 | 0.81 | 8.43  | 3.69E-03 |
| ENSMUSG00000044566  | -2.50 | 3.30 | 4.85  | 2.77E-02 |
| ENSMUSG00000053161  | -4.98 | 0.22 | 6.13  | 1.33E-02 |
| ENSMUSG00000026679  | -3.24 | 2.58 | 7.20  | 7.31E-03 |
| ENSMUSG00000009070  | -6.50 | 0.03 | 8.53  | 3.49E-03 |
| ENSMUSG00000024352  | -2.29 | 5.00 | 6.33  | 1.19E-02 |
| ENSMUSG00000064036  | -2.69 | 0.17 | 4.19  | 4.06E-02 |
| ENSMUSG00000054909  | -6.19 | 3.76 | 16.67 | 4.44E-05 |
| ENSMUSG00000031647  | -2.69 | 5.65 | 10.11 | 1.47E-03 |
| ENSMUSG00000038408  | -4.03 | 0.08 | 8.39  | 3.78E-03 |
| ENSMUSG00000031709  | -1.08 | 5.12 | 3.85  | 4.97E-02 |
| ENSMUSG00000027344  | -5.02 | 0.49 | 6.22  | 1.26E-02 |
| ENSMUSG00000085184  | -1.88 | 0.07 | 4.35  | 3.70E-02 |
| ENSMUSG00000054662  | -2.11 | 1.15 | 3.91  | 4.79E-02 |

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|---------------------|-------|------|-------|----------|
| ENSMUSG00000028391  | -1.70 | 3.00 | 4.34  | 3.71E-02 |
| ENSMUSG00000006204  | -3.95 | 2.49 | 3.91  | 4.79E-02 |
| ENSMUSG000000109089 | 2.37  | 0.59 | 9.30  | 2.29E-03 |
| ENSMUSG00000024064  | -3.37 | 1.88 | 6.66  | 9.85E-03 |
| ENSMUSG00000030089  | -1.18 | 3.66 | 6.63  | 1.00E-02 |
| ENSMUSG00000006411  | -2.05 | 2.96 | 8.57  | 3.42E-03 |
| ENSMUSG00000015890  | -3.69 | 0.22 | 5.93  | 1.49E-02 |
| ENSMUSG00000019139  | -2.25 | 6.26 | 8.83  | 2.97E-03 |
| ENSMUSG00000021720  | -3.40 | 4.32 | 10.39 | 1.27E-03 |
| ENSMUSG00000027702  | -6.15 | 1.99 | 11.42 | 7.27E-04 |
| ENSMUSG00000024154  | -6.75 | 2.48 | 7.40  | 6.51E-03 |
| ENSMUSG00000042708  | -3.22 | 2.55 | 4.40  | 3.58E-02 |
| ENSMUSG00000030030  | -4.81 | 4.31 | 9.74  | 1.81E-03 |
| ENSMUSG00000021902  | -2.84 | 5.95 | 5.39  | 2.02E-02 |
| ENSMUSG00000024175  | -5.23 | 2.57 | 8.93  | 2.80E-03 |
| ENSMUSG00000003824  | -2.35 | 3.19 | 7.66  | 5.64E-03 |
| ENSMUSG00000076434  | -2.98 | 0.53 | 5.65  | 1.74E-02 |
| ENSMUSG00000020904  | -3.91 | 2.39 | 11.25 | 7.98E-04 |
| ENSMUSG00000034552  | -5.16 | 1.43 | 5.14  | 2.34E-02 |
| ENSMUSG00000026546  | -2.14 | 2.79 | 4.19  | 4.08E-02 |
| ENSMUSG00000027654  | -1.46 | 1.92 | 4.24  | 3.95E-02 |
| ENSMUSG00000002228  | -2.23 | 2.63 | 5.22  | 2.24E-02 |
| ENSMUSG00000010080  | -2.13 | 2.70 | 5.18  | 2.28E-02 |
| ENSMUSG00000046598  | -2.76 | 2.67 | 6.22  | 1.26E-02 |
| ENSMUSG00000025500  | -4.81 | 2.18 | 12.36 | 4.38E-04 |
| ENSMUSG00000063354  | -1.75 | 2.06 | 3.88  | 4.87E-02 |

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| ENSMUSG00000025497  | -8.55 | 2.89  | 10.98 | 9.21E-04 |
| ENSMUSG00000000159  | -4.81 | 1.36  | 6.48  | 1.09E-02 |
| ENSMUSG00000030909  | -3.95 | 1.15  | 3.96  | 4.67E-02 |
| ENSMUSG00000030838  | -7.65 | 2.12  | 9.44  | 2.13E-03 |
| ENSMUSG00000036813  | -6.61 | 0.40  | 5.80  | 1.60E-02 |
| ENSMUSG00000027317  | -5.89 | -0.22 | 6.66  | 9.85E-03 |
| ENSMUSG00000021986  | -4.02 | 1.39  | 5.93  | 1.49E-02 |
| ENSMUSG00000032013  | -1.29 | 1.84  | 6.08  | 1.37E-02 |
| ENSMUSG000000101963 | -6.71 | 2.85  | 7.17  | 7.41E-03 |
| ENSMUSG00000031893  | -5.35 | 3.09  | 10.36 | 1.29E-03 |
| ENSMUSG00000085416  | -7.45 | 0.48  | 10.99 | 9.16E-04 |
| ENSMUSG00000038165  | -7.75 | 2.82  | 9.98  | 1.58E-03 |
| ENSMUSG00000078439  | -3.94 | 4.69  | 8.28  | 4.01E-03 |
| ENSMUSG00000045064  | -2.89 | 3.01  | 9.96  | 1.60E-03 |
| ENSMUSG00000037628  | -2.66 | 2.15  | 4.30  | 3.81E-02 |
| ENSMUSG00000027075  | 1.00  | 5.51  | 4.29  | 3.84E-02 |
| ENSMUSG00000055561  | -7.89 | 5.57  | 10.18 | 1.42E-03 |
| ENSMUSG00000028528  | -1.64 | 2.60  | 6.78  | 9.20E-03 |
| ENSMUSG00000038009  | -7.07 | 1.54  | 8.70  | 3.18E-03 |
| ENSMUSG00000027831  | -3.85 | 2.84  | 5.25  | 2.19E-02 |
| ENSMUSG00000042401  | -1.05 | 4.92  | 5.35  | 2.07E-02 |
| ENSMUSG00000046240  | -2.96 | 0.43  | 7.24  | 7.13E-03 |
| ENSMUSG00000024500  | -2.27 | 2.79  | 4.10  | 4.30E-02 |
| ENSMUSG00000021573  | 1.28  | 6.18  | 10.87 | 9.80E-04 |
| ENSMUSG00000070570  | -2.83 | 1.10  | 7.51  | 6.12E-03 |
| ENSMUSG00000078954  | -1.98 | 1.95  | 4.90  | 2.68E-02 |

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|--------------------|--------|------|-------|----------|
| ENSMUSG00000046818 | -2.65  | 3.22 | 8.30  | 3.96E-03 |
| ENSMUSG00000019945 | -4.52  | 1.93 | 10.18 | 1.42E-03 |
| ENSMUSG00000020930 | -3.27  | 1.01 | 7.78  | 5.28E-03 |
| ENSMUSG00000074619 | -5.47  | 3.43 | 10.38 | 1.27E-03 |
| ENSMUSG00000037101 | -4.89  | 2.19 | 4.28  | 3.85E-02 |
| ENSMUSG00000099353 | -7.87  | 2.41 | 11.88 | 5.68E-04 |
| ENSMUSG00000063447 | -6.48  | 2.86 | 6.88  | 8.70E-03 |
| ENSMUSG00000028637 | -3.18  | 3.75 | 6.91  | 8.58E-03 |
| ENSMUSG00000099349 | -1.58  | 4.15 | 9.06  | 2.62E-03 |
| ENSMUSG00000051276 | -9.19  | 4.40 | 11.54 | 6.82E-04 |
| ENSMUSG00000062154 | -7.09  | 3.62 | 5.52  | 1.88E-02 |
| ENSMUSG00000041138 | -6.59  | 2.09 | 7.36  | 6.67E-03 |
| ENSMUSG00000026592 | -7.14  | 2.88 | 9.04  | 2.64E-03 |
| ENSMUSG00000072295 | -5.50  | 2.48 | 6.23  | 1.26E-02 |
| ENSMUSG00000057240 | -5.49  | 1.40 | 7.84  | 5.11E-03 |
| ENSMUSG00000046755 | -7.03  | 4.21 | 5.98  | 1.44E-02 |
| ENSMUSG00000029155 | -6.07  | 4.63 | 11.76 | 6.04E-04 |
| ENSMUSG00000029883 | -9.23  | 3.49 | 11.25 | 7.96E-04 |
| ENSMUSG00000022085 | -6.40  | 2.59 | 8.67  | 3.23E-03 |
| ENSMUSG00000032566 | -5.18  | 2.38 | 6.38  | 1.16E-02 |
| ENSMUSG00000091243 | -1.03  | 6.25 | 10.15 | 1.44E-03 |
| ENSMUSG00000044320 | -5.17  | 3.55 | 10.72 | 1.06E-03 |
| ENSMUSG00000001672 | -3.23  | 2.70 | 6.22  | 1.26E-02 |
| ENSMUSG00000075571 | -12.11 | 8.20 | 14.80 | 1.20E-04 |
| ENSMUSG00000036743 | -3.13  | 1.22 | 4.49  | 3.40E-02 |
| ENSMUSG00000055523 | -4.27  | 1.16 | 4.32  | 3.77E-02 |

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| ENSMUSG00000028441 | -7.13  | 3.68  | 13.76 | 2.08E-04 |
| ENSMUSG00000028678 | -4.10  | 3.79  | 7.84  | 5.11E-03 |
| ENSMUSG00000044835 | -4.42  | 1.13  | 7.90  | 4.95E-03 |
| ENSMUSG00000041343 | -1.55  | 3.94  | 4.30  | 3.81E-02 |
| ENSMUSG00000027459 | -2.17  | 3.40  | 7.49  | 6.21E-03 |
| ENSMUSG00000022993 | -2.26  | 0.81  | 4.80  | 2.85E-02 |
| ENSMUSG00000027520 | -2.90  | 2.20  | 7.89  | 4.98E-03 |
| ENSMUSG00000086788 | -7.39  | 2.16  | 9.01  | 2.68E-03 |
| ENSMUSG00000115676 | -9.79  | 2.43  | 8.06  | 4.52E-03 |
| ENSMUSG00000049353 | -2.59  | 1.66  | 4.06  | 4.40E-02 |
| ENSMUSG00000032514 | -5.98  | 3.38  | 14.01 | 1.82E-04 |
| ENSMUSG00000034813 | -5.19  | 2.77  | 8.36  | 3.83E-03 |
| ENSMUSG00000025480 | -5.16  | 2.67  | 7.63  | 5.73E-03 |
| ENSMUSG00000055312 | -3.79  | -0.21 | 4.64  | 3.13E-02 |
| ENSMUSG00000032278 | -4.48  | 3.28  | 17.51 | 2.85E-05 |
| ENSMUSG00000027380 | -2.32  | -0.32 | 9.20  | 2.42E-03 |
| ENSMUSG00000021620 | -6.85  | -0.61 | 10.05 | 1.52E-03 |
| ENSMUSG00000022487 | -7.86  | 2.83  | 9.33  | 2.25E-03 |
| ENSMUSG00000066108 | -13.45 | 6.68  | 17.13 | 3.48E-05 |
| ENSMUSG00000027525 | -4.24  | -0.18 | 9.64  | 1.90E-03 |
| ENSMUSG00000029320 | -5.42  | 3.00  | 6.19  | 1.28E-02 |
| ENSMUSG00000051896 | -6.59  | 2.44  | 6.42  | 1.13E-02 |
| ENSMUSG00000053783 | -6.28  | 2.73  | 7.40  | 6.53E-03 |
| ENSMUSG00000066383 | -9.92  | 2.25  | 11.97 | 5.40E-04 |
| ENSMUSG00000049653 | -3.94  | 2.49  | 5.71  | 1.69E-02 |
| ENSMUSG00000071265 | -5.30  | 1.61  | 8.68  | 3.21E-03 |

|                    |       |       |       |          |
|--------------------|-------|-------|-------|----------|
| ENSMUSG00000041165 | -5.63 | 4.25  | 9.25  | 2.35E-03 |
| ENSMUSG00000020435 | -3.01 | 5.14  | 6.40  | 1.14E-02 |
| ENSMUSG00000021565 | -6.69 | 0.46  | 10.91 | 9.58E-04 |
| ENSMUSG00000056215 | -3.14 | 2.30  | 6.27  | 1.23E-02 |
| ENSMUSG00000014837 | -2.29 | 2.11  | 4.61  | 3.17E-02 |
| ENSMUSG00000027867 | -7.03 | 3.02  | 10.01 | 1.56E-03 |
| ENSMUSG00000072720 | -9.28 | 2.81  | 18.28 | 1.91E-05 |
| ENSMUSG00000002076 | -2.98 | 0.81  | 5.99  | 1.44E-02 |
| ENSMUSG00000025038 | -2.83 | 0.34  | 5.10  | 2.39E-02 |
| ENSMUSG00000006784 | -3.48 | 3.15  | 9.41  | 2.16E-03 |
| ENSMUSG00000030650 | -2.73 | 4.70  | 6.86  | 8.80E-03 |
| ENSMUSG00000028182 | -1.84 | 2.66  | 3.84  | 4.99E-02 |
| ENSMUSG00000035394 | -3.85 | 2.12  | 9.35  | 2.23E-03 |
| ENSMUSG00000033948 | -2.39 | 1.34  | 4.73  | 2.97E-02 |
| ENSMUSG00000040875 | -1.78 | 3.13  | 6.13  | 1.33E-02 |
| ENSMUSG00000029330 | -1.24 | 5.95  | 6.36  | 1.17E-02 |
| ENSMUSG00000044468 | -1.96 | 5.16  | 6.73  | 9.47E-03 |
| ENSMUSG00000029788 | -3.50 | 1.28  | 4.90  | 2.68E-02 |
| ENSMUSG00000008129 | -2.08 | 1.60  | 6.01  | 1.43E-02 |
| ENSMUSG00000054003 | -4.95 | 1.57  | 6.02  | 1.41E-02 |
| ENSMUSG00000074673 | -4.35 | 2.21  | 7.93  | 4.86E-03 |
| ENSMUSG00000022455 | -6.80 | 2.13  | 10.41 | 1.25E-03 |
| ENSMUSG00000026611 | -6.04 | 1.55  | 11.54 | 6.80E-04 |
| ENSMUSG00000020108 | -1.11 | 7.06  | 9.27  | 2.33E-03 |
| ENSMUSG00000032523 | -4.21 | -0.43 | 7.74  | 5.39E-03 |
| ENSMUSG00000029477 | -6.01 | 1.97  | 9.96  | 1.60E-03 |

|                    |       |      |       |          |
|--------------------|-------|------|-------|----------|
| ENSMUSG00000026578 | -1.30 | 4.51 | 4.45  | 3.49E-02 |
| ENSMUSG00000026301 | -6.49 | 0.04 | 8.64  | 3.29E-03 |
| ENSMUSG00000061802 | -5.43 | 1.13 | 6.50  | 1.08E-02 |
| ENSMUSG00000019892 | -4.69 | 1.04 | 7.01  | 8.12E-03 |
| ENSMUSG00000014529 | -7.18 | 1.93 | 9.33  | 2.26E-03 |
| ENSMUSG00000020562 | -5.81 | 1.66 | 6.76  | 9.31E-03 |
| ENSMUSG00000060176 | -3.91 | 3.53 | 7.78  | 5.27E-03 |
| ENSMUSG00000027364 | -2.87 | 2.30 | 4.53  | 3.33E-02 |
| ENSMUSG00000086607 | -3.78 | 0.36 | 6.42  | 1.13E-02 |
| ENSMUSG00000040919 | -2.91 | 2.10 | 3.87  | 4.93E-02 |
| ENSMUSG00000021396 | -1.70 | 0.75 | 4.21  | 4.01E-02 |
| ENSMUSG00000064280 | -5.93 | 1.82 | 9.58  | 1.97E-03 |
| ENSMUSG00000096573 | -5.06 | 1.94 | 9.56  | 1.99E-03 |
| ENSMUSG00000051728 | -6.15 | 3.31 | 9.35  | 2.23E-03 |
| ENSMUSG00000044249 | -9.24 | 5.09 | 6.67  | 9.81E-03 |
| ENSMUSG00000049154 | -6.57 | 2.53 | 11.57 | 6.70E-04 |
| ENSMUSG00000029182 | -5.64 | 2.13 | 9.19  | 2.43E-03 |
| ENSMUSG00000027564 | -6.71 | 3.21 | 4.84  | 2.77E-02 |
| ENSMUSG00000058925 | -5.08 | 1.23 | 6.50  | 1.08E-02 |
| ENSMUSG00000056018 | -5.73 | 1.93 | 5.96  | 1.46E-02 |
| ENSMUSG00000047150 | -5.46 | 3.02 | 7.38  | 6.60E-03 |
| ENSMUSG00000034467 | -3.96 | 2.12 | 5.18  | 2.28E-02 |
| ENSMUSG00000036557 | -5.69 | 2.27 | 7.28  | 6.96E-03 |
| ENSMUSG00000031991 | -8.05 | 3.19 | 9.76  | 1.78E-03 |
| ENSMUSG00000028287 | -6.38 | 4.12 | 11.24 | 8.00E-04 |
| ENSMUSG00000038523 | -5.85 | 4.04 | 9.45  | 2.11E-03 |

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|---------------------|-------|-------|-------|----------|
| ENSMUSG00000017832  | -6.16 | 4.27  | 9.84  | 1.70E-03 |
| ENSMUSG00000043319  | -7.45 | 2.13  | 7.51  | 6.14E-03 |
| ENSMUSG00000026894  | -3.78 | 2.05  | 5.16  | 2.31E-02 |
| ENSMUSG00000035785  | -7.56 | 2.80  | 10.94 | 9.42E-04 |
| ENSMUSG00000027886  | -6.24 | 2.17  | 6.60  | 1.02E-02 |
| ENSMUSG00000004341  | -7.28 | -0.02 | 9.87  | 1.68E-03 |
| ENSMUSG00000058935  | -7.64 | 1.99  | 10.45 | 1.23E-03 |
| ENSMUSG00000035984  | -3.43 | 2.23  | 9.76  | 1.78E-03 |
| ENSMUSG00000051113  | -3.08 | 4.40  | 6.06  | 1.39E-02 |
| ENSMUSG000000100937 | -3.20 | 2.30  | 4.67  | 3.06E-02 |
| ENSMUSG00000011154  | -6.38 | 1.63  | 11.19 | 8.24E-04 |
| ENSMUSG00000042707  | -4.96 | 3.08  | 11.79 | 5.94E-04 |
| ENSMUSG00000031383  | -1.54 | 3.07  | 7.67  | 5.60E-03 |
| ENSMUSG00000037989  | -2.41 | 4.45  | 4.90  | 2.69E-02 |
| ENSMUSG00000029784  | -9.20 | 1.85  | 11.97 | 5.41E-04 |
| ENSMUSG00000028753  | -5.17 | 0.78  | 4.19  | 4.06E-02 |
| ENSMUSG00000042564  | -1.48 | 2.38  | 4.11  | 4.27E-02 |
| ENSMUSG00000057816  | -3.63 | 1.47  | 5.97  | 1.46E-02 |
| ENSMUSG00000026523  | -7.81 | 2.75  | 8.54  | 3.48E-03 |
| ENSMUSG00000009093  | -5.33 | 3.13  | 8.45  | 3.66E-03 |
| ENSMUSG00000019856  | -1.85 | 2.50  | 7.33  | 6.80E-03 |
| ENSMUSG00000063851  | -6.47 | 0.36  | 7.53  | 6.07E-03 |
| ENSMUSG00000052085  | -1.32 | 5.38  | 18.32 | 1.87E-05 |
| ENSMUSG00000010064  | -2.54 | 1.99  | 5.23  | 2.23E-02 |
| ENSMUSG00000042436  | -1.51 | 3.87  | 16.07 | 6.11E-05 |
| ENSMUSG00000022832  | -7.12 | 2.86  | 5.70  | 1.70E-02 |

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| ENSMUSG00000029766 | -5.91  | 3.12  | 13.83 | 2.00E-04 |
| ENSMUSG00000020481 | -6.53  | 3.45  | 6.33  | 1.19E-02 |
| ENSMUSG00000047104 | -4.67  | 1.65  | 4.38  | 3.64E-02 |
| ENSMUSG00000046826 | -4.68  | 3.48  | 10.77 | 1.03E-03 |
| ENSMUSG00000032373 | -4.79  | 1.72  | 12.13 | 4.95E-04 |
| ENSMUSG00000066129 | -7.27  | 1.76  | 12.92 | 3.26E-04 |
| ENSMUSG00000029811 | -6.97  | 0.97  | 14.11 | 1.72E-04 |
| ENSMUSG00000030800 | -4.50  | 4.10  | 6.60  | 1.02E-02 |
| ENSMUSG00000028655 | -5.57  | 3.49  | 12.21 | 4.76E-04 |
| ENSMUSG00000029867 | -8.48  | 2.77  | 13.19 | 2.82E-04 |
| ENSMUSG00000042888 | -6.82  | 3.96  | 8.73  | 3.13E-03 |
| ENSMUSG00000035295 | -2.43  | 0.62  | 5.70  | 1.69E-02 |
| ENSMUSG00000025963 | -5.29  | 1.70  | 8.52  | 3.51E-03 |
| ENSMUSG00000039543 | -5.39  | 2.53  | 13.09 | 2.97E-04 |
| ENSMUSG00000070568 | -5.56  | 2.93  | 6.06  | 1.39E-02 |
| ENSMUSG00000022768 | -5.07  | 1.88  | 6.81  | 9.05E-03 |
| ENSMUSG00000085684 | -5.78  | 0.08  | 15.00 | 1.08E-04 |
| ENSMUSG00000042800 | -4.84  | 1.80  | 6.79  | 9.17E-03 |
| ENSMUSG00000026940 | -2.02  | 1.86  | 4.52  | 3.35E-02 |
| ENSMUSG00000026601 | -5.88  | 2.66  | 7.28  | 6.98E-03 |
| ENSMUSG00000084128 | -3.56  | 4.00  | 5.53  | 1.87E-02 |
| ENSMUSG00000029651 | -2.22  | 2.20  | 5.04  | 2.48E-02 |
| ENSMUSG00000058589 | -5.55  | 2.41  | 7.88  | 5.00E-03 |
| ENSMUSG00000022441 | -7.00  | 3.68  | 8.32  | 3.91E-03 |
| ENSMUSG00000028591 | -2.68  | -0.33 | 6.68  | 9.78E-03 |
| ENSMUSG00000067773 | -11.39 | 3.71  | 19.44 | 1.04E-05 |

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| ENSMUSG00000043787 | -13.11 | 5.41  | 15.87 | 6.79E-05 |
| ENSMUSG00000113769 | -2.86  | 1.06  | 6.01  | 1.43E-02 |
| ENSMUSG00000036040 | -1.87  | 1.99  | 9.71  | 1.84E-03 |
| ENSMUSG00000078934 | -14.42 | 6.67  | 14.59 | 1.34E-04 |
| ENSMUSG00000057132 | -3.69  | 3.04  | 6.91  | 8.56E-03 |
| ENSMUSG00000028572 | -3.66  | 5.04  | 15.58 | 7.92E-05 |
| ENSMUSG00000025983 | -6.92  | 2.28  | 14.30 | 1.56E-04 |
| ENSMUSG00000045314 | -6.66  | 0.72  | 7.71  | 5.50E-03 |
| ENSMUSG00000115970 | -1.85  | -0.03 | 4.42  | 3.55E-02 |
| ENSMUSG00000079842 | -7.73  | 1.01  | 8.04  | 4.59E-03 |
| ENSMUSG00000049387 | -8.44  | 1.22  | 8.38  | 3.78E-03 |
| ENSMUSG00000017310 | -15.35 | 7.99  | 7.10  | 7.70E-03 |
| ENSMUSG00000061144 | -9.85  | 5.66  | 7.54  | 6.04E-03 |
| ENSMUSG00000032028 | -1.94  | 3.54  | 4.08  | 4.35E-02 |
| ENSMUSG00000026594 | -1.47  | 4.74  | 9.30  | 2.29E-03 |
| ENSMUSG00000021090 | -3.33  | 3.13  | 6.61  | 1.02E-02 |
| ENSMUSG00000041020 | -2.93  | 2.97  | 4.11  | 4.26E-02 |
| ENSMUSG00000027938 | -3.63  | 3.10  | 5.66  | 1.74E-02 |
| ENSMUSG00000052512 | -1.84  | 4.42  | 7.81  | 5.18E-03 |
| ENSMUSG00000087211 | -5.63  | -0.01 | 4.00  | 4.55E-02 |
| ENSMUSG00000074121 | -2.70  | 0.18  | 7.84  | 5.10E-03 |
| ENSMUSG00000024532 | -7.42  | 1.97  | 7.89  | 4.98E-03 |
| ENSMUSG00000037689 | -6.64  | 2.93  | 5.38  | 2.04E-02 |
| ENSMUSG00000072878 | -6.81  | 3.86  | 7.05  | 7.92E-03 |
| ENSMUSG00000047363 | -2.74  | -0.06 | 6.46  | 1.10E-02 |
| ENSMUSG00000024209 | -3.44  | 1.70  | 5.99  | 1.44E-02 |

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|--------------------|-------|-------|-------|----------|
| ENSMUSG00000053461 | -3.30 | -0.16 | 7.72  | 5.46E-03 |
| ENSMUSG00000037143 | -4.96 | 1.27  | 8.62  | 3.33E-03 |
| ENSMUSG00000024059 | -4.12 | 4.46  | 9.91  | 1.64E-03 |
| ENSMUSG00000031430 | -7.39 | 2.20  | 13.31 | 2.65E-04 |
| ENSMUSG00000041323 | -6.08 | 2.79  | 11.73 | 6.14E-04 |
| ENSMUSG00000028801 | -4.33 | 1.66  | 7.95  | 4.81E-03 |
| ENSMUSG00000022518 | -3.01 | 0.76  | 5.68  | 1.72E-02 |
| ENSMUSG00000018844 | -2.75 | 1.90  | 4.01  | 4.51E-02 |
| ENSMUSG00000061298 | -7.99 | 0.91  | 12.55 | 3.97E-04 |
| ENSMUSG00000046957 | -6.54 | 5.26  | 10.01 | 1.56E-03 |
| ENSMUSG00000029235 | -6.17 | 3.37  | 5.56  | 1.84E-02 |
| ENSMUSG00000063129 | -6.11 | 3.39  | 6.48  | 1.09E-02 |
| ENSMUSG00000021056 | -5.95 | 1.64  | 5.15  | 2.33E-02 |
| ENSMUSG00000031860 | -2.98 | 1.75  | 6.22  | 1.27E-02 |
| ENSMUSG00000025161 | -1.06 | 2.87  | 4.64  | 3.13E-02 |
| ENSMUSG00000025221 | -2.98 | 0.61  | 10.76 | 1.04E-03 |
| ENSMUSG00000052353 | -5.68 | 2.32  | 9.19  | 2.43E-03 |
| ENSMUSG00000037725 | -1.81 | 0.59  | 7.69  | 5.55E-03 |
| ENSMUSG00000023992 | -1.09 | 3.88  | 8.99  | 2.71E-03 |
| ENSMUSG00000040866 | -6.92 | 2.53  | 7.47  | 6.27E-03 |
| ENSMUSG00000020325 | -1.06 | 2.63  | 5.60  | 1.79E-02 |
| ENSMUSG00000025081 | -9.27 | 1.84  | 11.33 | 7.63E-04 |
| ENSMUSG00000001583 | -1.44 | 3.04  | 4.18  | 4.09E-02 |
| ENSMUSG00000047654 | -3.82 | 3.25  | 8.32  | 3.92E-03 |
| ENSMUSG00000041907 | -3.37 | 0.37  | 3.90  | 4.82E-02 |
| ENSMUSG00000029816 | -1.36 | 6.05  | 18.58 | 1.63E-05 |

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| ENSMUSG00000025196 | -4.31 | 3.48  | 4.57 | 3.25E-02 |
| ENSMUSG00000048347 | 1.18  | 0.69  | 5.11 | 2.38E-02 |
| ENSMUSG00000081683 | -2.99 | -0.35 | 5.85 | 1.56E-02 |
| ENSMUSG00000020636 | -5.86 | 3.76  | 8.36 | 3.84E-03 |
| ENSMUSG00000032281 | -3.06 | 4.67  | 8.26 | 4.05E-03 |
| ENSMUSG00000038541 | -6.40 | 4.39  | 6.51 | 1.07E-02 |
| ENSMUSG00000059900 | -2.30 | 0.05  | 4.91 | 2.67E-02 |
| ENSMUSG00000038576 | -3.40 | 4.56  | 8.62 | 3.32E-03 |
| ENSMUSG00000040629 | -6.42 | 4.65  | 6.80 | 9.12E-03 |
| ENSMUSG00000055833 | -1.72 | 0.70  | 4.12 | 4.24E-02 |
| ENSMUSG00000026841 | -8.46 | 1.40  | 5.42 | 1.99E-02 |
| ENSMUSG00000036825 | -1.77 | 4.95  | 7.09 | 7.75E-03 |
| ENSMUSG00000027848 | -1.02 | 4.69  | 5.96 | 1.46E-02 |
| ENSMUSG00000040600 | -5.80 | -0.17 | 5.75 | 1.65E-02 |
| ENSMUSG00000052415 | -2.73 | 2.93  | 5.84 | 1.56E-02 |
| ENSMUSG00000028132 | -2.60 | 3.47  | 7.22 | 7.22E-03 |

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