**Supplementary Table 2. Analysis of SDEGs (FDR < 0.05) between anaerobic and aerobic-cultivated SC19 cells.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Gene** | **BaseMean** | **Log2FC** | **lfcSE** | **Stat** | ***p* value** | **FDR** |
| **Significantly upregulated genes** | | | | | | |
| B9H01\_RS03505 | 417.4457 | 1.0018 | 0.1618 | 6.1920 | 5.94E-10 | 3.44E-09 |
| B9H01\_RS10150 | 613.5394 | 1.0044 | 0.1075 | 9.3431 | 9.35E-21 | 1.25E-19 |
| B9H01\_RS05905 | 3566.9210 | 1.0076 | 0.1043 | 9.6580 | 4.54E-22 | 6.75E-21 |
| B9H01\_RS01490 | 407.4189 | 1.0156 | 0.1295 | 7.8423 | 4.42E-15 | 3.99E-14 |
| B9H01\_RS07040 | 136.0175 | 1.0179 | 0.1827 | 5.5717 | 2.52E-08 | 1.22E-07 |
| B9H01\_RS00045 | 319.0110 | 1.0192 | 0.1658 | 6.1456 | 7.96E-10 | 4.48E-09 |
| B9H01\_RS07375 | 1061.5205 | 1.0198 | 0.1221 | 8.3500 | 6.82E-17 | 6.97E-16 |
| B9H01\_RS10285 | 3132.8479 | 1.0203 | 0.0906 | 11.2680 | 1.89E-29 | 3.94E-28 |
| B9H01\_RS01985 | 67.9437 | 1.0206 | 0.2823 | 3.6146 | 0.000300805 | 0.000840601 |
| B9H01\_RS06800 | 308.1627 | 1.0257 | 0.2180 | 4.7046 | 2.54E-06 | 9.63E-06 |
| B9H01\_RS09800 | 79.4852 | 1.0263 | 0.2355 | 4.3577 | 1.31E-05 | 4.49E-05 |
| B9H01\_RS06840 | 152.8317 | 1.0271 | 0.2128 | 4.8257 | 1.39E-06 | 5.47E-06 |
| B9H01\_RS06770 | 8194.1208 | 1.0439 | 0.1018 | 10.2574 | 1.10E-24 | 1.84E-23 |
| B9H01\_RS01990 | 366.4642 | 1.0459 | 0.1296 | 8.0703 | 7.01E-16 | 6.64E-15 |
| B9H01\_RS02820 | 421.4037 | 1.0461 | 0.1176 | 8.8928 | 5.96E-19 | 6.97E-18 |
| B9H01\_RS02650 | 41.8229 | 1.0464 | 0.3458 | 3.0262 | 0.002476836 | 0.00572787 |
| B9H01\_RS03885 | 398.5114 | 1.0545 | 0.1537 | 6.8619 | 6.80E-12 | 4.62E-11 |
| B9H01\_RS01500 | 1600.8502 | 1.0592 | 0.1145 | 9.2480 | 2.29E-20 | 2.96E-19 |
| B9H01\_RS09880 | 2195.6730 | 1.0604 | 0.1167 | 9.0846 | 1.04E-19 | 1.27E-18 |
| B9H01\_RS06595 | 117.1808 | 1.0623 | 0.1946 | 5.4600 | 4.76E-08 | 2.23E-07 |
| B9H01\_RS04865 | 37.6335 | 1.0727 | 0.3399 | 3.1561 | 0.001598958 | 0.00388865 |
| B9H01\_RS09530 | 157973.4381 | 1.0796 | 0.1011 | 10.6797 | 1.27E-26 | 2.33E-25 |
| B9H01\_RS03890 | 722.6162 | 1.0861 | 0.1528 | 7.1090 | 1.17E-12 | 8.58E-12 |
| B9H01\_RS09445 | 544.6548 | 1.0866 | 0.1208 | 8.9921 | 2.43E-19 | 2.87E-18 |
| B9H01\_RS03900 | 1359.2741 | 1.0868 | 0.1088 | 9.9895 | 1.69E-23 | 2.70E-22 |
| B9H01\_RS09085 | 103.3414 | 1.0946 | 0.2040 | 5.3669 | 8.01E-08 | 3.66E-07 |
| B9H01\_RS05515 | 2272.7736 | 1.0984 | 0.1029 | 10.6784 | 1.28E-26 | 2.34E-25 |
| B9H01\_RS01495 | 5539.2562 | 1.0985 | 0.1015 | 10.8236 | 2.66E-27 | 5.09E-26 |
| B9H01\_RS09485 | 1977.6114 | 1.1064 | 0.1017 | 10.8743 | 1.53E-27 | 3.01E-26 |
| B9H01\_RS00795 | 192.8250 | 1.1117 | 0.1615 | 6.8827 | 5.87E-12 | 4.02E-11 |
| B9H01\_RS08470 | 148.0325 | 1.1136 | 0.1885 | 5.9088 | 3.45E-09 | 1.82E-08 |
| B9H01\_RS03930 | 727.0717 | 1.1197 | 0.1383 | 8.0952 | 5.72E-16 | 5.44E-15 |
| B9H01\_RS03895 | 4802.2515 | 1.1788 | 0.1181 | 9.9840 | 1.79E-23 | 2.81E-22 |
| B9H01\_RS00745 | 2728.6771 | 1.1812 | 0.0889 | 13.2889 | 2.68E-40 | 8.64E-39 |
| B9H01\_RS03545 | 468.5977 | 1.1915 | 0.1811 | 6.5806 | 4.69E-11 | 3.01E-10 |
| B9H01\_RS08460 | 891.4075 | 1.2015 | 0.1205 | 9.9721 | 2.02E-23 | 3.14E-22 |
| B9H01\_RS05100 | 626.4925 | 1.2236 | 0.1301 | 9.4024 | 5.33E-21 | 7.35E-20 |
| B9H01\_RS05095 | 459.6124 | 1.2412 | 0.1215 | 10.2169 | 1.67E-24 | 2.77E-23 |
| B9H01\_RS03535 | 1179.9730 | 1.2552 | 0.3181 | 3.9455 | 7.96E-05 | 0.000241793 |
| B9H01\_RS04875 | 132.4545 | 1.2641 | 0.2035 | 6.2126 | 5.21E-10 | 3.04E-09 |
| B9H01\_RS03625 | 126.0348 | 1.2646 | 0.2403 | 5.2616 | 1.43E-07 | 6.27E-07 |
| B9H01\_RS05110 | 113.6994 | 1.2650 | 0.2623 | 4.8223 | 1.42E-06 | 5.56E-06 |
| B9H01\_RS02550 | 18.8068 | 1.2675 | 0.4937 | 2.5671 | 0.010253941 | 0.020798697 |
| B9H01\_RS05910 | 7734.8237 | 1.2739 | 0.0936 | 13.6124 | 3.38E-42 | 1.14E-40 |
| B9H01\_RS05105 | 187.1526 | 1.2761 | 0.1690 | 7.5510 | 4.32E-14 | 3.53E-13 |
| B9H01\_RS02065 | 89.4182 | 1.2770 | 0.2679 | 4.7669 | 1.87E-06 | 7.20E-06 |
| B9H01\_RS09550 | 3323.2310 | 1.3133 | 0.0922 | 14.2463 | 4.72E-46 | 1.79E-44 |
| B9H01\_RS06130 | 17918.4672 | 1.3387 | 0.0877 | 15.2692 | 1.23E-52 | 5.27E-51 |
| B9H01\_RS01375 | 383.8090 | 1.3989 | 0.1501 | 9.3206 | 1.16E-20 | 1.54E-19 |
| B9H01\_RS07875 | 24.6341 | 1.4125 | 0.4259 | 3.3162 | 0.000912426 | 0.002327469 |
| B9H01\_RS01405 | 373.9241 | 1.4657 | 0.1374 | 10.6646 | 1.49E-26 | 2.69E-25 |
| B9H01\_RS05915 | 2072.2741 | 1.4721 | 0.1204 | 12.2231 | 2.34E-34 | 5.95E-33 |
| B9H01\_RS00715 | 72.8440 | 1.4821 | 0.2821 | 5.2537 | 1.49E-07 | 6.51E-07 |
| B9H01\_RS00740 | 684.6533 | 1.4898 | 0.1375 | 10.8366 | 2.31E-27 | 4.46E-26 |
| B9H01\_RS10430 | 344.4049 | 1.5072 | 0.2071 | 7.2772 | 3.41E-13 | 2.59E-12 |
| B9H01\_RS09945 | 105.3555 | 1.5467 | 0.2418 | 6.3976 | 1.58E-10 | 9.77E-10 |
| B9H01\_RS09270 | 63.5690 | 1.6042 | 0.2634 | 6.0913 | 1.12E-09 | 6.18E-09 |
| B9H01\_RS03270 | 7.5572 | 1.6800 | 0.7357 | 2.2834 | 0.022404104 | 0.042166009 |
| B9H01\_RS10345 | 1965.2261 | 1.7193 | 0.1407 | 12.2238 | 2.32E-34 | 5.95E-33 |
| B9H01\_RS06680 | 16488.5145 | 1.7322 | 0.1032 | 16.7827 | 3.26E-63 | 1.91E-61 |
| B9H01\_RS05920 | 3852.1258 | 1.7342 | 0.1010 | 17.1628 | 5.04E-66 | 3.25E-64 |
| B9H01\_RS00735 | 2538.8186 | 1.7363 | 0.0970 | 17.9007 | 1.17E-71 | 9.00E-70 |
| B9H01\_RS01705 | 742.6703 | 1.9601 | 0.1090 | 17.9870 | 2.46E-72 | 1.98E-70 |
| B9H01\_RS01465 | 31587.2646 | 1.9748 | 0.1566 | 12.6098 | 1.86E-36 | 5.29E-35 |
| B9H01\_RS03550 | 1955.8654 | 1.9774 | 0.1729 | 11.4379 | 2.70E-30 | 5.94E-29 |
| B9H01\_RS06805 | 1734.8854 | 2.0202 | 0.1848 | 10.9290 | 8.37E-28 | 1.68E-26 |
| B9H01\_RS00730 | 1350.7937 | 2.1030 | 0.1058 | 19.8852 | 5.46E-88 | 5.86E-86 |
| B9H01\_RS01395 | 4.5916 | 2.2446 | 0.9960 | 2.2537 | 0.024217165 | 0.045094837 |
| B9H01\_RS01460 | 1138.7658 | 2.3047 | 0.3734 | 6.1724 | 6.73E-10 | 3.84E-09 |
| B9H01\_RS07610 | 3745.0701 | 2.3684 | 0.1118 | 21.1932 | 1.10E-99 | 1.42E-97 |
| B9H01\_RS10195 | 3737.6238 | 2.4619 | 0.0887 | 27.7627 | 1.23E-169 | 3.94E-167 |
| B9H01\_RS00080 | 3.9955 | 2.5398 | 1.1349 | 2.2379 | 0.025230298 | 0.046791037 |
| B9H01\_RS03170 | 92.2853 | 2.6428 | 0.5837 | 4.5275 | 5.97E-06 | 2.15E-05 |
| B9H01\_RS10170 | 1740.1868 | 2.8663 | 0.1052 | 27.2565 | 1.39E-163 | 3.36E-161 |
| B9H01\_RS10185 | 3564.3596 | 3.0644 | 0.1120 | 27.3548 | 9.48E-165 | 2.61E-162 |
| B9H01\_RS10180 | 779.7583 | 3.1610 | 0.1276 | 24.7752 | 1.66E-135 | 3.20E-133 |
| B9H01\_RS01700 | 58.1309 | 3.2779 | 0.3505 | 9.3508 | 8.70E-21 | 1.18E-19 |
| **Significantly downregulated genes** | | | | | | |
| B9H01\_RS02030 | 1.5483 | -4.3735 | 1.7990 | -2.4311 | 0.015054779 | 0.029483547 |
| B9H01\_RS08835 | 26186.0754 | -3.4592 | 0.1238 | -27.9496 | 6.66E-172 | 2.57E-169 |
| B9H01\_RS01180 | 3221.1318 | -3.3295 | 0.1173 | -28.3841 | 3.17E-177 | 1.53E-174 |
| B9H01\_RS09190 | 133.7435 | -3.2704 | 0.2204 | -14.8369 | 8.46E-50 | 3.40E-48 |
| B9H01\_RS01190 | 9728.8448 | -3.2499 | 0.0989 | -32.8495 | 1.16E-236 | 2.24E-233 |
| B9H01\_RS01195 | 22329.1848 | -3.2455 | 0.1039 | -31.2437 | 2.72E-214 | 2.62E-211 |
| B9H01\_RS01185 | 5207.5934 | -3.1435 | 0.1212 | -25.9459 | 2.02E-148 | 4.34E-146 |
| B9H01\_RS01170 | 31618.3201 | -3.0930 | 0.1461 | -21.1636 | 2.07E-99 | 2.50E-97 |
| B9H01\_RS01200 | 4695.5356 | -3.0928 | 0.1057 | -29.2526 | 4.16E-188 | 2.67E-185 |
| B9H01\_RS01175 | 76579.5608 | -3.0506 | 0.1326 | -22.9990 | 4.77E-117 | 8.38E-115 |
| B9H01\_RS08840 | 15400.2039 | -2.8832 | 0.1270 | -22.7001 | 4.47E-114 | 7.19E-112 |
| B9H01\_RS03590 | 62.1675 | -2.8650 | 0.3077 | -9.3114 | 1.26E-20 | 1.67E-19 |
| B9H01\_RS01165 | 14086.9771 | -2.8244 | 0.1760 | -16.0478 | 5.92E-58 | 2.93E-56 |
| B9H01\_RS03585 | 274.5998 | -2.6921 | 0.1614 | -16.6838 | 1.72E-62 | 9.76E-61 |
| B9H01\_RS09380 | 953.4368 | -2.6191 | 0.1219 | -21.4905 | 1.91E-102 | 2.64E-100 |
| B9H01\_RS09420 | 2873.9914 | -2.6108 | 0.1546 | -16.8925 | 5.11E-64 | 3.18E-62 |
| B9H01\_RS05975 | 102.8364 | -2.5258 | 0.2568 | -9.8376 | 7.76E-23 | 1.20E-21 |
| B9H01\_RS02585 | 1244.5882 | -2.5219 | 0.1161 | -21.7291 | 1.09E-104 | 1.62E-102 |
| B9H01\_RS09415 | 907.9429 | -2.4814 | 0.1242 | -19.9835 | 7.66E-89 | 8.70E-87 |
| B9H01\_RS01965 | 34748.5663 | -2.4410 | 0.4831 | -5.0531 | 4.35E-07 | 1.79E-06 |
| B9H01\_RS05980 | 5.3608 | -2.4345 | 0.9713 | -2.5064 | 0.012195927 | 0.024455176 |
| B9H01\_RS09410 | 7393.0408 | -2.3794 | 0.1581 | -15.0520 | 3.35E-51 | 1.41E-49 |
| B9H01\_RS05965 | 6992.0977 | -2.3570 | 0.1273 | -18.5188 | 1.46E-76 | 1.34E-74 |
| B9H01\_RS07430 | 8275.3210 | -2.3284 | 0.3815 | -6.1034 | 1.04E-09 | 5.78E-09 |
| B9H01\_RS05960 | 585.8468 | -2.2809 | 0.1676 | -13.6110 | 3.44E-42 | 1.15E-40 |
| B9H01\_RS08415 | 502.2257 | -2.2685 | 0.1298 | -17.4771 | 2.14E-68 | 1.53E-66 |
| B9H01\_RS05955 | 1221.0636 | -2.2323 | 0.1239 | -18.0130 | 1.54E-72 | 1.29E-70 |
| B9H01\_RS09405 | 21834.4074 | -2.2098 | 0.1411 | -15.6601 | 2.83E-55 | 1.27E-53 |
| B9H01\_RS05940 | 11899.3752 | -2.2094 | 0.1403 | -15.7465 | 7.26E-56 | 3.34E-54 |
| B9H01\_RS08845 | 4461.0039 | -2.1787 | 0.1226 | -17.7687 | 1.24E-70 | 9.18E-69 |
| B9H01\_RS09050 | 18465.4508 | -2.1628 | 0.1113 | -19.4364 | 3.80E-84 | 3.86E-82 |
| B9H01\_RS07570 | 1091.0370 | -2.1388 | 0.1751 | -12.2168 | 2.53E-34 | 6.34E-33 |
| B9H01\_RS05945 | 7264.1650 | -2.1061 | 0.1121 | -18.7961 | 8.13E-79 | 7.85E-77 |
| B9H01\_RS00980 | 7663.3681 | -2.1041 | 0.1538 | -13.6825 | 1.29E-42 | 4.53E-41 |
| B9H01\_RS03175 | 145.3183 | -2.1001 | 0.1936 | -10.8475 | 2.05E-27 | 4.00E-26 |
| B9H01\_RS00920 | 35540.1522 | -2.0886 | 0.1259 | -16.5871 | 8.63E-62 | 4.76E-60 |
| B9H01\_RS03595 | 15.9263 | -2.0844 | 0.5295 | -3.9368 | 8.26E-05 | 0.000250347 |
| B9H01\_RS03580 | 238.4389 | -2.0552 | 0.1917 | -10.7192 | 8.27E-27 | 1.54E-25 |
| B9H01\_RS03575 | 107.3323 | -2.0390 | 0.2199 | -9.2718 | 1.83E-20 | 2.41E-19 |
| B9H01\_RS05935 | 1154.5253 | -2.0218 | 0.1112 | -18.1891 | 6.30E-74 | 5.53E-72 |
| B9H01\_RS00995 | 17525.8313 | -2.0149 | 0.1684 | -11.9635 | 5.52E-33 | 1.31E-31 |
| B9H01\_RS00990 | 1134.0377 | -1.9821 | 0.1543 | -12.8476 | 8.88E-38 | 2.60E-36 |
| B9H01\_RS05930 | 5495.6195 | -1.9459 | 0.1125 | -17.3013 | 4.60E-67 | 3.06E-65 |
| B9H01\_RS08435 | 38.9490 | -1.9416 | 0.3693 | -5.2576 | 1.46E-07 | 6.39E-07 |
| B9H01\_RS09055 | 65034.0477 | -1.8616 | 0.1237 | -15.0490 | 3.51E-51 | 1.44E-49 |
| B9H01\_RS02015 | 808.3383 | -1.8388 | 0.1120 | -16.4220 | 1.33E-60 | 7.14E-59 |
| B9H01\_RS00985 | 479.9803 | -1.7863 | 0.1585 | -11.2677 | 1.90E-29 | 3.94E-28 |
| B9H01\_RS02610 | 181.3230 | -1.7784 | 0.1822 | -9.7624 | 1.63E-22 | 2.48E-21 |
| B9H01\_RS01215 | 566.2332 | -1.7680 | 0.1413 | -12.5128 | 6.35E-36 | 1.75E-34 |
| B9H01\_RS08545 | 1198.3089 | -1.7388 | 0.1102 | -15.7768 | 4.49E-56 | 2.12E-54 |
| B9H01\_RS10070 | 6987.7172 | -1.7386 | 0.1271 | -13.6765 | 1.40E-42 | 4.84E-41 |
| B9H01\_RS08425 | 418.4989 | -1.7115 | 0.1313 | -13.0317 | 8.08E-39 | 2.52E-37 |
| B9H01\_RS01065 | 544.0065 | -1.7108 | 0.2055 | -8.3233 | 8.55E-17 | 8.60E-16 |
| B9H01\_RS05070 | 84.6592 | -1.6999 | 0.2320 | -7.3282 | 2.33E-13 | 1.80E-12 |
| B9H01\_RS01045 | 144.4373 | -1.6739 | 0.1971 | -8.4935 | 2.01E-17 | 2.18E-16 |
| B9H01\_RS10325 | 870.5854 | -1.6501 | 0.1390 | -11.8741 | 1.61E-32 | 3.80E-31 |
| B9H01\_RS08160 | 836.2092 | -1.6411 | 0.1330 | -12.3382 | 5.64E-35 | 1.49E-33 |
| B9H01\_RS09975 | 279.9757 | -1.6371 | 0.1634 | -10.0169 | 1.29E-23 | 2.07E-22 |
| B9H01\_RS05075 | 1949.3231 | -1.6235 | 0.1327 | -12.2348 | 2.03E-34 | 5.29E-33 |
| B9H01\_RS08850 | 18227.2797 | -1.6177 | 0.1485 | -10.8940 | 1.23E-27 | 2.45E-26 |
| B9H01\_RS01590 | 1065.7767 | -1.6139 | 0.1265 | -12.7552 | 2.92E-37 | 8.40E-36 |
| B9H01\_RS01210 | 642.7469 | -1.6083 | 0.1243 | -12.9428 | 2.58E-38 | 7.78E-37 |
| B9H01\_RS09980 | 656.1473 | -1.6080 | 0.1520 | -10.5803 | 3.68E-26 | 6.57E-25 |
| B9H01\_RS02285 | 4106.4062 | -1.6058 | 0.1542 | -10.4139 | 2.14E-25 | 3.69E-24 |
| B9H01\_RS09965 | 190.8450 | -1.5999 | 0.2103 | -7.6089 | 2.76E-14 | 2.31E-13 |
| B9H01\_RS05080 | 1068.5779 | -1.5923 | 0.1659 | -9.5955 | 8.35E-22 | 1.21E-20 |
| B9H01\_RS07670 | 196.0021 | -1.5862 | 0.1795 | -8.8358 | 9.94E-19 | 1.16E-17 |
| B9H01\_RS01245 | 284.1234 | -1.5721 | 0.1340 | -11.7281 | 9.15E-32 | 2.10E-30 |
| B9H01\_RS01055 | 5225.2648 | -1.5693 | 0.4093 | -3.8342 | 0.000125971 | 0.000372513 |
| B9H01\_RS09960 | 173.4201 | -1.5636 | 0.1952 | -8.0104 | 1.14E-15 | 1.05E-14 |
| B9H01\_RS09985 | 312.1008 | -1.5599 | 0.1562 | -9.9852 | 1.77E-23 | 2.80E-22 |
| B9H01\_RS10110 | 6576.4175 | -1.5524 | 0.1073 | -14.4683 | 1.92E-47 | 7.58E-46 |
| B9H01\_RS10105 | 647.0298 | -1.5489 | 0.1281 | -12.0910 | 1.18E-33 | 2.84E-32 |
| B9H01\_RS09460 | 10181.5120 | -1.5442 | 0.1437 | -10.7475 | 6.09E-27 | 1.14E-25 |
| B9H01\_RS09955 | 289.0073 | -1.5355 | 0.1531 | -10.0316 | 1.11E-23 | 1.80E-22 |
| B9H01\_RS08760 | 164.5882 | -1.5304 | 0.1772 | -8.6385 | 5.69E-18 | 6.47E-17 |
| B9H01\_RS00250 | 35.8361 | -1.5301 | 0.3485 | -4.3903 | 1.13E-05 | 3.92E-05 |
| B9H01\_RS07540 | 42.4075 | -1.5204 | 0.3102 | -4.9018 | 9.50E-07 | 3.78E-06 |
| B9H01\_RS02160 | 63717.6028 | -1.5150 | 0.0869 | -17.4348 | 4.49E-68 | 3.10E-66 |
| B9H01\_RS02010 | 1315.9190 | -1.5029 | 0.1051 | -14.2966 | 2.30E-46 | 8.88E-45 |
| B9H01\_RS01140 | 1044.9957 | -1.4999 | 0.1395 | -10.7555 | 5.58E-27 | 1.06E-25 |
| B9H01\_RS05950 | 20.8691 | -1.4801 | 0.4437 | -3.3361 | 0.000849609 | 0.002175855 |
| B9H01\_RS09000 | 1356.1876 | -1.4776 | 0.1067 | -13.8526 | 1.23E-43 | 4.39E-42 |
| B9H01\_RS02770 | 13849.0073 | -1.4653 | 0.0910 | -16.1014 | 2.50E-58 | 1.27E-56 |
| B9H01\_RS09950 | 324.5926 | -1.4498 | 0.1571 | -9.2260 | 2.81E-20 | 3.57E-19 |
| B9H01\_RS09970 | 3202.9477 | -1.4380 | 0.1286 | -11.1807 | 5.07E-29 | 1.04E-27 |
| B9H01\_RS09010 | 4504.6151 | -1.4348 | 0.0885 | -16.2058 | 4.59E-59 | 2.39E-57 |
| B9H01\_RS00255 | 192.1625 | -1.4210 | 0.1544 | -9.2056 | 3.40E-20 | 4.26E-19 |
| B9H01\_RS08830 | 2769.0683 | -1.4201 | 0.1148 | -12.3731 | 3.65E-35 | 9.93E-34 |
| B9H01\_RS08755 | 482.6418 | -1.4134 | 0.1337 | -10.5713 | 4.05E-26 | 7.11E-25 |
| B9H01\_RS10095 | 2714.4108 | -1.4074 | 0.1090 | -12.9113 | 3.89E-38 | 1.15E-36 |
| B9H01\_RS01160 | 2141.4887 | -1.4053 | 0.1215 | -11.5684 | 5.96E-31 | 1.34E-29 |
| B9H01\_RS05050 | 571.8617 | -1.3967 | 0.1182 | -11.8170 | 3.19E-32 | 7.42E-31 |
| B9H01\_RS00245 | 65.7270 | -1.3911 | 0.2826 | -4.9220 | 8.57E-07 | 3.44E-06 |
| B9H01\_RS08995 | 12236.2217 | -1.3853 | 0.0903 | -15.3420 | 4.01E-53 | 1.76E-51 |
| B9H01\_RS02290 | 7455.4241 | -1.3822 | 0.1367 | -10.1080 | 5.09E-24 | 8.40E-23 |
| B9H01\_RS10115 | 2867.2569 | -1.3781 | 0.1116 | -12.3463 | 5.10E-35 | 1.37E-33 |
| B9H01\_RS10100 | 9144.7491 | -1.3674 | 0.1037 | -13.1809 | 1.13E-39 | 3.58E-38 |
| B9H01\_RS09005 | 5477.9817 | -1.3563 | 0.0806 | -16.8203 | 1.73E-63 | 1.05E-61 |
| B9H01\_RS08035 | 17393.8140 | -1.3334 | 0.1174 | -11.3578 | 6.79E-30 | 1.46E-28 |
| B9H01\_RS02295 | 3810.9288 | -1.3323 | 0.1259 | -10.5795 | 3.71E-26 | 6.57E-25 |
| B9H01\_RS04085 | 24.9400 | -1.3320 | 0.4302 | -3.0965 | 0.001957978 | 0.004644787 |
| B9H01\_RS02720 | 1794.3316 | -1.3289 | 0.1145 | -11.6021 | 4.02E-31 | 9.14E-30 |
| B9H01\_RS01070 | 6460.0014 | -1.3184 | 0.4387 | -3.0051 | 0.002655292 | 0.006089513 |
| B9H01\_RS06760 | 4104.2757 | -1.3156 | 0.3026 | -4.3470 | 1.38E-05 | 4.70E-05 |
| B9H01\_RS08430 | 26.6457 | -1.3126 | 0.3694 | -3.5533 | 0.000380403 | 0.001041926 |
| B9H01\_RS03155 | 1243.0376 | -1.3076 | 0.1399 | -9.3447 | 9.21E-21 | 1.24E-19 |
| B9H01\_RS09015 | 3288.3798 | -1.2964 | 0.0813 | -15.9403 | 3.33E-57 | 1.61E-55 |
| B9H01\_RS01150 | 3096.2844 | -1.2916 | 0.0970 | -13.3097 | 2.03E-40 | 6.65E-39 |
| B9H01\_RS02300 | 3659.0193 | -1.2858 | 0.1419 | -9.0629 | 1.27E-19 | 1.54E-18 |
| B9H01\_RS01135 | 401.6838 | -1.2721 | 0.1388 | -9.1682 | 4.81E-20 | 5.96E-19 |
| B9H01\_RS07580 | 1211.8461 | -1.2692 | 0.1353 | -9.3836 | 6.37E-21 | 8.73E-20 |
| B9H01\_RS04850 | 4868.7854 | -1.2576 | 0.0884 | -14.2231 | 6.59E-46 | 2.45E-44 |
| B9H01\_RS05490 | 180.5547 | -1.2570 | 0.1622 | -7.7499 | 9.19E-15 | 8.00E-14 |
| B9H01\_RS01585 | 4374.0012 | -1.2554 | 0.1142 | -10.9908 | 4.23E-28 | 8.60E-27 |
| B9H01\_RS03185 | 17.0813 | -1.2551 | 0.5253 | -2.3891 | 0.016889724 | 0.032777948 |
| B9H01\_RS03180 | 18.0271 | -1.2514 | 0.4806 | -2.6038 | 0.009219914 | 0.01891993 |
| B9H01\_RS01440 | 14344.3630 | -1.2495 | 0.0893 | -13.9984 | 1.59E-44 | 5.81E-43 |
| B9H01\_RS08010 | 488.3759 | -1.2486 | 0.1313 | -9.5074 | 1.96E-21 | 2.82E-20 |
| B9H01\_RS06455 | 4220.8318 | -1.2398 | 0.3092 | -4.0094 | 6.09E-05 | 0.000188677 |
| B9H01\_RS03365 | 25.1808 | -1.2366 | 0.3884 | -3.1841 | 0.001452272 | 0.003545307 |
| B9H01\_RS02075 | 130950.4717 | -1.2321 | 0.1297 | -9.5034 | 2.03E-21 | 2.91E-20 |
| B9H01\_RS07675 | 130.6583 | -1.2318 | 0.2328 | -5.2912 | 1.22E-07 | 5.39E-07 |
| B9H01\_RS01075 | 1729.1154 | -1.2284 | 0.4383 | -2.8028 | 0.005066301 | 0.011104457 |
| B9H01\_RS02730 | 499.7800 | -1.2189 | 0.1659 | -7.3471 | 2.03E-13 | 1.58E-12 |
| B9H01\_RS00240 | 56.3059 | -1.2152 | 0.3055 | -3.9780 | 6.95E-05 | 0.000212007 |
| B9H01\_RS01390 | 105.8183 | -1.2126 | 0.1927 | -6.2935 | 3.10E-10 | 1.86E-09 |
| B9H01\_RS02280 | 43478.4642 | -1.1726 | 0.1509 | -7.7709 | 7.79E-15 | 6.90E-14 |
| B9H01\_RS07020 | 744.7612 | -1.1687 | 0.1138 | -10.2731 | 9.31E-25 | 1.58E-23 |
| B9H01\_RS03345 | 477.4876 | -1.1624 | 0.1195 | -9.7298 | 2.25E-22 | 3.40E-21 |
| B9H01\_RS02725 | 1491.7995 | -1.1610 | 0.1202 | -9.6571 | 4.58E-22 | 6.76E-21 |
| B9H01\_RS03145 | 33965.5758 | -1.1608 | 0.1225 | -9.4786 | 2.58E-21 | 3.63E-20 |
| B9H01\_RS04855 | 1027.8609 | -1.1577 | 0.1366 | -8.4773 | 2.31E-17 | 2.45E-16 |
| B9H01\_RS06875 | 685396.6628 | -1.1555 | 0.1145 | -10.0957 | 5.77E-24 | 9.45E-23 |
| B9H01\_RS07190 | 270.3826 | -1.1483 | 0.1371 | -8.3739 | 5.58E-17 | 5.76E-16 |
| B9H01\_RS02025 | 7072.3989 | -1.1457 | 0.1476 | -7.7622 | 8.35E-15 | 7.33E-14 |
| B9H01\_RS00235 | 270.4774 | -1.1435 | 0.1509 | -7.5792 | 3.48E-14 | 2.87E-13 |
| B9H01\_RS04920 | 75.6500 | -1.1366 | 0.2223 | -5.1133 | 3.17E-07 | 1.33E-06 |
| B9H01\_RS06440 | 36.6318 | -1.1330 | 0.3201 | -3.5397 | 0.000400623 | 0.001093133 |
| B9H01\_RS01145 | 1965.5685 | -1.1328 | 0.0904 | -12.5339 | 4.87E-36 | 1.36E-34 |
| B9H01\_RS04985 | 11175.6525 | -1.1254 | 0.1324 | -8.4985 | 1.92E-17 | 2.10E-16 |
| B9H01\_RS04395 | 437.6136 | -1.1134 | 0.1341 | -8.3004 | 1.04E-16 | 1.02E-15 |
| B9H01\_RS01130 | 1938.9470 | -1.1104 | 0.0969 | -11.4634 | 2.01E-30 | 4.47E-29 |
| B9H01\_RS01580 | 2854.5825 | -1.1013 | 0.0846 | -13.0229 | 9.07E-39 | 2.78E-37 |
| B9H01\_RS02785 | 1566.0591 | -1.0987 | 0.0968 | -11.3504 | 7.38E-30 | 1.57E-28 |
| B9H01\_RS08740 | 22888.2492 | -1.0962 | 0.0899 | -12.1972 | 3.22E-34 | 7.97E-33 |
| B9H01\_RS03105 | 28238.8038 | -1.0938 | 0.1286 | -8.5077 | 1.77E-17 | 1.97E-16 |
| B9H01\_RS08170 | 3348.7440 | -1.0900 | 0.0901 | -12.1003 | 1.05E-33 | 2.57E-32 |
| B9H01\_RS04075 | 2094.6642 | -1.0887 | 0.1178 | -9.2415 | 2.43E-20 | 3.13E-19 |
| B9H01\_RS04885 | 298.7585 | -1.0846 | 0.1358 | -7.9893 | 1.36E-15 | 1.24E-14 |
| B9H01\_RS07505 | 10557.4043 | -1.0842 | 0.1323 | -8.1919 | 2.57E-16 | 2.47E-15 |
| B9H01\_RS06915 | 242.7782 | -1.0830 | 0.1942 | -5.5769 | 2.45E-08 | 1.19E-07 |
| B9H01\_RS06685 | 60095.8390 | -1.0778 | 0.1337 | -8.0604 | 7.60E-16 | 7.16E-15 |
| B9H01\_RS04980 | 9894.9590 | -1.0760 | 0.1273 | -8.4551 | 2.79E-17 | 2.94E-16 |
| B9H01\_RS07510 | 10823.5598 | -1.0542 | 0.1308 | -8.0577 | 7.77E-16 | 7.29E-15 |
| B9H01\_RS01785 | 185.6105 | -1.0503 | 0.1628 | -6.4502 | 1.12E-10 | 7.03E-10 |
| B9H01\_RS04990 | 9573.5223 | -1.0493 | 0.1353 | -7.7539 | 8.91E-15 | 7.79E-14 |
| B9H01\_RS06460 | 8295.9631 | -1.0449 | 0.2984 | -3.5020 | 0.000461709 | 0.001238277 |
| B9H01\_RS01435 | 4056.3122 | -1.0439 | 0.1240 | -8.4171 | 3.86E-17 | 4.03E-16 |
| B9H01\_RS07740 | 2169.2899 | -1.0322 | 0.0904 | -11.4218 | 3.25E-30 | 7.06E-29 |
| B9H01\_RS08165 | 246.2453 | -1.0207 | 0.1673 | -6.1003 | 1.06E-09 | 5.88E-09 |
| B9H01\_RS05025 | 6860.8636 | -1.0136 | 0.1121 | -9.0409 | 1.55E-19 | 1.86E-18 |
| B9H01\_RS07185 | 208.4570 | -1.0135 | 0.1609 | -6.3004 | 2.97E-10 | 1.79E-09 |
| B9H01\_RS10315 | 238.7643 | -1.0015 | 0.1717 | -5.8326 | 5.46E-09 | 2.82E-08 |