**Table S2. Differentially methylated sites in the ADAMTS gene family**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Gene** | **P** | **t** | **B** | **logFC** | **RANGE\_START** | **RANGE\_END** | **RANGE\_GB** |
| cg23737229 | ADAMTS1 | 8.29E-03 | 2.98 | -3.32834 | 1.27E-02 | 28218646 | 28218769 | NC\_000021.8 |
| cg23733177 | ADAMTS1 | 3.17E-02 | 2.34 | -4.59586 | 2.86E-02 | 28215972 | 28216095 | NC\_000021.8 |
| cg20187011 | ADAMTS1 | 5.97E-03 | 3.13 | -3.01143 | 1.06E-01 | 28214928 | 28215051 | NC\_000021.8 |
| cg14124415 | ADAMTS1 | 1.10E-03 | 3.91 | -1.3506 | 8.85E-02 | 28212803 | 28212926 | NC\_000021.8 |
| cg01444578 | ADAMTS1 | 1.02E-02 | 2.88 | -3.52624 | 5.46E-02 | 28216559 | 28216682 | NC\_000021.8 |
| cg00952789 | ADAMTS1 | 3.60E-03 | 3.36 | -2.52045 | 1.70E-01 | 28215206 | 28215329 | NC\_000021.8 |
| cg00472814 | ADAMTS1 | 9.82E-03 | 2.9 | -3.49122 | 5.77E-02 | 28217676 | 28217799 | NC\_000021.8 |
| cg27015773 | ADAMTS10 | 2.34E-02 | 2.48 | -4.31499 | 1.64E-01 | 8672609 | 8672732 | NC\_000019.9 |
| cg25354248 | ADAMTS10 | 2.04E-03 | 3.62 | -1.96069 | 1.79E-01 | 8676862 | 8676985 | NC\_000019.9 |
| cg21661347 | ADAMTS10 | 4.38E-03 | 3.27 | -2.71157 | 5.94E-02 | 8674237 | 8674360 | NC\_000019.9 |
| cg19802981 | ADAMTS10 | 1.09E-02 | 2.85 | -3.59064 | 6.44E-02 | 8654808 | 8654931 | NC\_000019.9 |
| cg19662846 | ADAMTS10 | 3.89E-04 | 4.38 | -0.31848 | 9.55E-02 | 8650410 | 8650533 | NC\_000019.9 |
| cg12845177 | ADAMTS10 | 4.59E-04 | 4.31 | -0.48299 | 4.06E-02 | 8650523 | 8650646 | NC\_000019.9 |
| cg12085570 | ADAMTS10 | 2.52E-03 | 3.53 | -2.17137 | 8.86E-02 | 8674501 | 8674624 | NC\_000019.9 |
| cg11990296 | ADAMTS10 | 6.30E-03 | 3.11 | -3.06434 | 3.92E-02 | 8651775 | 8651898 | NC\_000019.9 |
| cg11590772 | ADAMTS10 | 2.69E-03 | 3.5 | -2.23555 | 1.06E-01 | 8657916 | 8658039 | NC\_000019.9 |
| cg09279544 | ADAMTS10 | 3.62E-03 | 3.36 | -2.5243 | 7.37E-02 | 8674388 | 8674511 | NC\_000019.9 |
| cg02827007 | ADAMTS10 | 1.66E-02 | -2.67 | -3.94816 | -3.01E-02 | 8661081 | 8661204 | NC\_000019.9 |
| cg00420246 | ADAMTS10 | 1.47E-02 | -2.71 | -3.87425 | -2.14E-02 | 8653285 | 8653408 | NC\_000019.9 |
| cg26573704 | ADAMTS12 | 1.08E-02 | 2.86 | -3.57996 | 4.67E-02 | 33892223 | 33892346 | NC\_000005.9 |
| cg23359363 | ADAMTS12 | 1.98E-04 | -4.69 | 0.35821 | -4.47E-02 | 33764247 | 33764370 | NC\_000005.9 |
| cg23236370 | ADAMTS12 | 3.72E-04 | 4.4 | -0.27285 | 2.46E-01 | 33892705 | 33892828 | NC\_000005.9 |
| cg21874902 | ADAMTS12 | 2.62E-07 | 8.1 | 7.051471 | 1.29E-01 | 33727007 | 33727130 | NC\_000005.9 |
| cg21569398 | ADAMTS12 | 4.73E-04 | 4.29 | -0.5138 | 2.24E-01 | 33855241 | 33855364 | NC\_000005.9 |
| cg19641747 | ADAMTS12 | 1.26E-06 | 7.22 | 5.465844 | 2.61E-01 | 33832949 | 33833072 | NC\_000005.9 |
| cg18519308 | ADAMTS12 | 9.40E-03 | 2.92 | -3.44952 | 7.61E-02 | 33892621 | 33892744 | NC\_000005.9 |
| cg15833353 | ADAMTS12 | 1.62E-02 | -2.66 | -3.96532 | -9.29E-02 | 33807278 | 33807401 | NC\_000005.9 |
| cg12917072 | ADAMTS12 | 1.15E-03 | -3.89 | -1.39276 | -3.83E-02 | 33758285 | 33758408 | NC\_000005.9 |
| cg10627511 | ADAMTS12 | 9.84E-04 | 3.96 | -1.24213 | 1.74E-01 | 33772916 | 33773039 | NC\_000005.9 |
| cg10594543 | ADAMTS12 | 1.67E-02 | -2.65 | -3.99453 | -2.74E-02 | 33649717 | 33649840 | NC\_000005.9 |
| cg09747891 | ADAMTS12 | 1.42E-03 | 3.83 | -1.55401 | 2.32E-01 | 33893097 | 33893220 | NC\_000005.9 |
| cg08768395 | ADAMTS12 | 1.87E-03 | 3.66 | -1.8746 | 9.44E-02 | 33889461 | 33889584 | NC\_000005.9 |
| cg07784793 | ADAMTS12 | 1.83E-05 | 5.83 | 2.756597 | 3.71E-02 | 33794720 | 33794843 | NC\_000005.9 |
| cg06893139 | ADAMTS12 | 8.58E-04 | 4.02 | -1.10613 | 2.26E-01 | 33852528 | 33852651 | NC\_000005.9 |
| cg06448603 | ADAMTS12 | 1.07E-03 | -3.92 | -1.32805 | -4.41E-02 | 33659084 | 33659207 | NC\_000005.9 |
| cg03592903 | ADAMTS12 | 3.14E-03 | -3.43 | -2.38692 | -1.04E-01 | 33737936 | 33738059 | NC\_000005.9 |
| cg01990593 | ADAMTS12 | 4.01E-03 | 3.31 | -2.6248 | 1.67E-01 | 33890324 | 33890447 | NC\_000005.9 |
| cg14802951 | ADAMTS13 | 1.34E-04 | 4.88 | 0.750835 | 1.15E-01 | 136287409 | 136287532 | NC\_000009.11 |
| cg14362312 | ADAMTS13 | 3.16E-02 | 2.34 | -4.59293 | 1.44E-02 | 136294076 | 136294199 | NC\_000009.11 |
| cg14206140 | ADAMTS13 | 4.50E-02 | -2.16 | -4.9165 | -4.82E-02 | 136303481 | 136303604 | NC\_000009.11 |
| cg14110709 | ADAMTS13 | 1.69E-03 | 3.71 | -1.78038 | 7.36E-02 | 136324375 | 136324498 | NC\_000009.11 |
| cg08795752 | ADAMTS13 | 6.37E-05 | 5.23 | 1.497631 | 1.32E-01 | 136293271 | 136293394 | NC\_000009.11 |
| cg04674581 | ADAMTS13 | 3.00E-02 | -2.36 | -4.5457 | -2.84E-02 | 136283438 | 136283561 | NC\_000009.11 |
| cg00115654 | ADAMTS13 | 6.49E-07 | 7.59 | 6.135166 | 1.45E-01 | 136294920 | 136295043 | NC\_000009.11 |
| cg24427089 | ADAMTS14 | 3.43E-02 | 2.31 | -4.62633 | 3.55E-02 | 72432550 | 72432673 | NC\_000010.10 |
| cg18886109 | ADAMTS14 | 2.52E-02 | -2.45 | -4.3811 | -9.27E-02 | 72514348 | 72514471 | NC\_000010.10 |
| cg16352527 | ADAMTS14 | 3.30E-03 | -3.4 | -2.43477 | -1.74E-01 | 72476178 | 72476301 | NC\_000010.10 |
| cg14612544 | ADAMTS14 | 4.81E-02 | 2.14 | -4.9368 | 7.36E-02 | 72432573 | 72432696 | NC\_000010.10 |
| cg10975049 | ADAMTS14 | 3.56E-02 | 2.28 | -4.70245 | 5.03E-02 | 72432542 | 72432665 | NC\_000010.10 |
| cg10445453 | ADAMTS14 | 4.98E-02 | 2.11 | -5.00848 | 5.07E-02 | 72432540 | 72432663 | NC\_000010.10 |
| cg02503850 | ADAMTS14 | 1.83E-02 | 2.6 | -4.08443 | 8.48E-02 | 72432552 | 72432675 | NC\_000010.10 |
| cg23214308 | ADAMTS15 | 3.35E-02 | 2.31 | -4.64636 | 1.90E-02 | 130318865 | 130318988 | NC\_000011.9 |
| cg19333883 | ADAMTS15 | 1.89E-04 | 4.71 | 0.402612 | 9.94E-02 | 130320219 | 130320342 | NC\_000011.9 |
| cg12444117 | ADAMTS15 | 4.13E-03 | 3.3 | -2.65305 | 8.31E-02 | 130319691 | 130319814 | NC\_000011.9 |
| cg12007053 | ADAMTS15 | 2.48E-03 | 3.53 | -2.15406 | 9.96E-02 | 130319736 | 130319859 | NC\_000011.9 |
| cg10773249 | ADAMTS15 | 6.80E-03 | -3.07 | -3.1375 | -5.02E-02 | 130343309 | 130343432 | NC\_000011.9 |
| cg10249997 | ADAMTS15 | 2.57E-02 | 2.44 | -4.40103 | 7.16E-02 | 130318055 | 130318178 | NC\_000011.9 |
| cg02554089 | ADAMTS15 | 2.56E-02 | -2.44 | -4.39733 | -1.41E-02 | 130341116 | 130341239 | NC\_000011.9 |
| cg26868514 | ADAMTS16 | 5.80E-03 | -3.14 | -2.98414 | -2.90E-02 | 5178224 | 5178347 | NC\_000005.9 |
| cg24030232 | ADAMTS16 | 2.04E-03 | 3.62 | -1.96415 | 6.79E-02 | 5252567 | 5252690 | NC\_000005.9 |
| cg22983903 | ADAMTS16 | 1.82E-02 | 2.62 | -4.03547 | 4.32E-02 | 5140935 | 5141058 | NC\_000005.9 |
| cg22562853 | ADAMTS16 | 1.12E-04 | -4.96 | 0.928268 | -5.39E-02 | 5288047 | 5288170 | NC\_000005.9 |
| cg21926451 | ADAMTS16 | 3.23E-02 | -2.33 | -4.61367 | -1.22E-02 | 5288241 | 5288364 | NC\_000005.9 |
| cg19813025 | ADAMTS16 | 3.07E-03 | 3.44 | -2.36434 | 9.71E-02 | 5139643 | 5139766 | NC\_000005.9 |
| cg17760878 | ADAMTS16 | 4.62E-02 | -2.15 | -4.93963 | -1.84E-02 | 5303460 | 5303583 | NC\_000005.9 |
| cg17627328 | ADAMTS16 | 1.14E-05 | -6.07 | 3.23194 | -1.80E-01 | 5146343 | 5146466 | NC\_000005.9 |
| cg16670809 | ADAMTS16 | 1.54E-02 | 2.69 | -3.91776 | 8.66E-02 | 5139797 | 5139920 | NC\_000005.9 |
| cg16508480 | ADAMTS16 | 2.19E-02 | 2.52 | -4.25258 | 7.84E-02 | 5139874 | 5139997 | NC\_000005.9 |
| cg15411554 | ADAMTS16 | 2.07E-04 | -4.67 | 0.310916 | -1.39E-01 | 5199806 | 5199929 | NC\_000005.9 |
| cg15048991 | ADAMTS16 | 3.54E-02 | 2.28 | -4.69738 | 4.74E-02 | 5139866 | 5139989 | NC\_000005.9 |
| cg14521614 | ADAMTS16 | 2.50E-05 | -5.68 | 2.441978 | -6.03E-02 | 5287980 | 5288103 | NC\_000005.9 |
| cg10561103 | ADAMTS16 | 2.04E-02 | -2.55 | -4.18314 | -1.84E-02 | 5239933 | 5240056 | NC\_000005.9 |
| cg09456340 | ADAMTS16 | 1.34E-02 | -2.75 | -3.79028 | -2.08E-02 | 5288296 | 5288419 | NC\_000005.9 |
| cg06623930 | ADAMTS16 | 3.44E-07 | -7.95 | 6.778721 | -1.36E-01 | 5306038 | 5306161 | NC\_000005.9 |
| cg06434454 | ADAMTS16 | 2.90E-04 | -4.52 | -0.02583 | -1.34E-01 | 5146320 | 5146443 | NC\_000005.9 |
| cg04136610 | ADAMTS16 | 3.38E-02 | 2.3 | -4.6556 | 5.70E-02 | 5139878 | 5140001 | NC\_000005.9 |
| cg03209854 | ADAMTS16 | 5.82E-03 | 3.14 | -2.98763 | 8.55E-02 | 5140003 | 5140126 | NC\_000005.9 |
| cg02109699 | ADAMTS16 | 1.80E-07 | -8.33 | 7.431493 | -1.46E-01 | 5234710 | 5234833 | NC\_000005.9 |
| cg01881590 | ADAMTS16 | 1.32E-04 | -4.88 | 0.764081 | -3.55E-02 | 5302219 | 5302342 | NC\_000005.9 |
| cg00127167 | ADAMTS16 | 1.10E-02 | 2.85 | -3.59648 | 1.04E-01 | 5140029 | 5140152 | NC\_000005.9 |
| cg00087067 | ADAMTS16 | 1.60E-06 | -7.09 | 5.22443 | -1.32E-01 | 5265509 | 5265632 | NC\_000005.9 |
| cg27533244 | ADAMTS17 | 6.65E-04 | 4.14 | -0.85278 | 7.90E-02 | 100537304 | 100537427 | NC\_000015.9 |
| cg27511525 | ADAMTS17 | 5.19E-04 | 4.25 | -0.60635 | 1.76E-01 | 100642482 | 100642605 | NC\_000015.9 |
| cg26768318 | ADAMTS17 | 1.16E-02 | -2.82 | -3.64907 | -2.29E-02 | 100874800 | 100874923 | NC\_000015.9 |
| cg26589251 | ADAMTS17 | 3.26E-02 | -2.32 | -4.62262 | -1.97E-02 | 100786492 | 100786615 | NC\_000015.9 |
| cg24368226 | ADAMTS17 | 4.48E-03 | -3.26 | -2.73267 | -9.19E-02 | 100731456 | 100731579 | NC\_000015.9 |
| cg23991388 | ADAMTS17 | 4.31E-05 | -5.41 | 1.890333 | -1.32E-01 | 100654760 | 100654883 | NC\_000015.9 |
| cg21838773 | ADAMTS17 | 3.57E-03 | -3.37 | -2.51223 | -9.53E-02 | 100538145 | 100538268 | NC\_000015.9 |
| cg21314318 | ADAMTS17 | 4.59E-02 | 2.15 | -4.93544 | 7.46E-02 | 100651510 | 100651633 | NC\_000015.9 |
| cg19971025 | ADAMTS17 | 1.36E-02 | -2.74 | -3.80465 | -2.61E-02 | 100739896 | 100740019 | NC\_000015.9 |
| cg18747283 | ADAMTS17 | 1.11E-02 | -2.84 | -3.60956 | -1.74E-02 | 100664651 | 100664774 | NC\_000015.9 |
| cg18586470 | ADAMTS17 | 3.92E-02 | 2.23 | -4.79182 | 8.85E-03 | 100882540 | 100882663 | NC\_000015.9 |
| cg18471471 | ADAMTS17 | 3.17E-04 | 4.48 | -0.11461 | 7.47E-02 | 100537686 | 100537809 | NC\_000015.9 |
| cg13144432 | ADAMTS17 | 4.72E-02 | -2.14 | -4.95989 | -1.96E-02 | 100513968 | 100514091 | NC\_000015.9 |
| cg11107116 | ADAMTS17 | 2.16E-02 | 2.53 | -4.23661 | 3.99E-02 | 100804081 | 100804204 | NC\_000015.9 |
| cg09918751 | ADAMTS17 | 2.78E-02 | -2.4 | -4.47457 | -3.03E-02 | 100517450 | 100517573 | NC\_000015.9 |
| cg07969419 | ADAMTS17 | 3.18E-03 | 3.45 | -2.34761 | 4.18E-02 | 100880411 | 100880534 | NC\_000015.9 |
| cg07015368 | ADAMTS17 | 6.03E-05 | 5.25 | 1.55204 | 1.21E-01 | 100537761 | 100537884 | NC\_000015.9 |
| cg05989248 | ADAMTS17 | 2.36E-02 | -2.48 | -4.32273 | -2.27E-02 | 100530651 | 100530774 | NC\_000015.9 |
| cg05404715 | ADAMTS17 | 6.22E-03 | -3.11 | -3.05163 | -2.81E-02 | 100516580 | 100516703 | NC\_000015.9 |
| cg05129489 | ADAMTS17 | 2.72E-02 | -2.41 | -4.45266 | -3.12E-02 | 100664728 | 100664851 | NC\_000015.9 |
| cg05027458 | ADAMTS17 | 2.78E-02 | 2.4 | -4.47526 | 1.51E-02 | 100882165 | 100882288 | NC\_000015.9 |
| cg04622200 | ADAMTS17 | 4.34E-05 | -5.41 | 1.885018 | -1.41E-01 | 100654734 | 100654857 | NC\_000015.9 |
| cg03300787 | ADAMTS17 | 1.79E-03 | -3.68 | -1.83351 | -6.63E-02 | 100533202 | 100533325 | NC\_000015.9 |
| cg02489449 | ADAMTS17 | 1.57E-02 | -2.69 | -3.89467 | -1.25E-01 | 100524428 | 100524551 | NC\_000015.9 |
| cg00149679 | ADAMTS17 | 1.20E-02 | -2.81 | -3.67882 | -6.82E-02 | 100733818 | 100733941 | NC\_000015.9 |
| cg27608031 | ADAMTS18 | 7.10E-03 | 3.05 | -3.17902 | 8.58E-02 | 77353824 | 77353947 | NC\_000016.9 |
| cg05496543 | ADAMTS18 | 2.99E-02 | -2.37 | -4.54012 | -6.78E-02 | 77467409 | 77467532 | NC\_000016.9 |
| cg05485250 | ADAMTS18 | 5.32E-04 | 4.24 | -0.63108 | 7.96E-02 | 77465215 | 77465338 | NC\_000016.9 |
| cg05178576 | ADAMTS18 | 4.83E-02 | 2.12 | -4.97998 | 2.46E-02 | 77468486 | 77468609 | NC\_000016.9 |
| cg05007098 | ADAMTS18 | 4.21E-03 | -3.29 | -2.67126 | -6.47E-02 | 77322779 | 77322902 | NC\_000016.9 |
| cg03983058 | ADAMTS18 | 1.10E-02 | 2.84 | -3.60351 | 3.64E-02 | 77369724 | 77369847 | NC\_000016.9 |
| cg03238797 | ADAMTS18 | 5.29E-03 | 3.19 | -2.89372 | 3.26E-02 | 77468893 | 77469016 | NC\_000016.9 |
| cg02240171 | ADAMTS18 | 3.27E-02 | -2.32 | -4.6244 | -4.88E-02 | 77437748 | 77437871 | NC\_000016.9 |
| cg02186542 | ADAMTS18 | 7.06E-03 | 3.08 | -3.12729 | 6.11E-02 | 77469167 | 77469290 | NC\_000016.9 |
| cg02084561 | ADAMTS18 | 1.87E-04 | 4.72 | 0.415963 | 6.95E-02 | 77317555 | 77317678 | NC\_000016.9 |
| cg01737667 | ADAMTS18 | 1.28E-03 | -3.83 | -1.50671 | -6.28E-02 | 77397865 | 77397988 | NC\_000016.9 |
| cg01407406 | ADAMTS18 | 1.38E-02 | 2.74 | -3.8148 | 6.37E-02 | 77468277 | 77468400 | NC\_000016.9 |
| cg25391681 | ADAMTS19 | 2.71E-02 | -2.41 | -4.44876 | -2.98E-02 | 128930873 | 128930996 | NC\_000005.9 |
| cg25309017 | ADAMTS19 | 2.48E-02 | 2.46 | -4.36908 | 2.35E-02 | 128796266 | 128796389 | NC\_000005.9 |
| cg22813290 | ADAMTS19 | 6.33E-03 | -3.1 | -3.06891 | -2.82E-02 | 129074344 | 129074467 | NC\_000005.9 |
| cg20776240 | ADAMTS19 | 1.32E-02 | 2.76 | -3.77431 | 1.62E-02 | 128797307 | 128797430 | NC\_000005.9 |
| cg15188268 | ADAMTS19 | 1.03E-02 | 2.88 | -3.53371 | 5.98E-02 | 128795183 | 128795306 | NC\_000005.9 |
| cg13701109 | ADAMTS19 | 1.14E-02 | 2.85 | -3.58477 | 5.31E-02 | 128795472 | 128795595 | NC\_000005.9 |
| cg07781332 | ADAMTS19 | 3.66E-03 | 3.36 | -2.53519 | 2.66E-02 | 128796696 | 128796819 | NC\_000005.9 |
| cg06484432 | ADAMTS19 | 6.31E-08 | -8.96 | 8.489086 | -1.42E-01 | 128801407 | 128801530 | NC\_000005.9 |
| cg05211662 | ADAMTS19 | 1.64E-03 | 3.72 | -1.74896 | 6.59E-02 | 128795605 | 128795728 | NC\_000005.9 |
| cg00967489 | ADAMTS19 | 3.78E-02 | 2.25 | -4.75632 | 7.49E-02 | 128992882 | 128993005 | NC\_000005.9 |
| cg27054655 | ADAMTS2 | 1.91E-02 | -2.58 | -4.12495 | -6.50E-02 | 178772969 | 178773092 | NC\_000005.9 |
| cg26650846 | ADAMTS2 | 5.36E-03 | -3.18 | -2.9074 | -1.72E-02 | 178772782 | 178772905 | NC\_000005.9 |
| cg25930161 | ADAMTS2 | 3.90E-03 | -3.33 | -2.59797 | -3.09E-02 | 178551993 | 178552116 | NC\_000005.9 |
| cg25131079 | ADAMTS2 | 6.02E-06 | 6.39 | 3.881198 | 1.50E-01 | 178712051 | 178712174 | NC\_000005.9 |
| cg25010832 | ADAMTS2 | 2.97E-02 | -2.37 | -4.53542 | -1.88E-02 | 178634615 | 178634738 | NC\_000005.9 |
| cg21901223 | ADAMTS2 | 2.15E-03 | 3.6 | -2.01568 | 8.04E-02 | 178647332 | 178647455 | NC\_000005.9 |
| cg21747876 | ADAMTS2 | 1.54E-02 | -2.69 | -3.91729 | -1.47E-02 | 178687984 | 178688107 | NC\_000005.9 |
| cg21183664 | ADAMTS2 | 3.60E-04 | 4.42 | -0.24119 | 1.51E-01 | 178594526 | 178594649 | NC\_000005.9 |
| cg21052104 | ADAMTS2 | 3.83E-05 | 5.47 | 2.009374 | 1.82E-01 | 178712636 | 178712759 | NC\_000005.9 |
| cg20422099 | ADAMTS2 | 3.69E-02 | 2.27 | -4.69373 | 5.20E-02 | 178771393 | 178771516 | NC\_000005.9 |
| cg19935909 | ADAMTS2 | 2.25E-02 | -2.51 | -4.27516 | -2.52E-02 | 178759017 | 178759140 | NC\_000005.9 |
| cg19489885 | ADAMTS2 | 2.89E-02 | -2.38 | -4.50956 | -8.70E-02 | 178684416 | 178684539 | NC\_000005.9 |
| cg18720326 | ADAMTS2 | 5.25E-06 | 6.46 | 4.020481 | 2.34E-01 | 178712084 | 178712207 | NC\_000005.9 |
| cg18299793 | ADAMTS2 | 3.29E-03 | -3.4 | -2.43172 | -2.20E-02 | 178651519 | 178651642 | NC\_000005.9 |
| cg18275958 | ADAMTS2 | 1.42E-02 | -2.74 | -3.79717 | -4.61E-02 | 178736443 | 178736566 | NC\_000005.9 |
| cg18045155 | ADAMTS2 | 1.87E-06 | -7.01 | 5.066049 | -1.22E-01 | 178767472 | 178767595 | NC\_000005.9 |
| cg17925174 | ADAMTS2 | 1.51E-03 | -3.76 | -1.66403 | -5.65E-02 | 178614909 | 178615032 | NC\_000005.9 |
| cg17359265 | ADAMTS2 | 1.87E-04 | 4.72 | 0.41664 | 9.28E-02 | 178567126 | 178567249 | NC\_000005.9 |
| cg17332422 | ADAMTS2 | 6.02E-03 | -3.13 | -3.01984 | -2.34E-02 | 178658477 | 178658600 | NC\_000005.9 |
| cg17212277 | ADAMTS2 | 6.00E-05 | -5.26 | 1.558126 | -6.03E-02 | 178660962 | 178661085 | NC\_000005.9 |
| cg16604066 | ADAMTS2 | 2.87E-02 | -2.39 | -4.50326 | -1.27E-02 | 178680976 | 178681099 | NC\_000005.9 |
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| cg14349862 | ADAMTS3 | 1.40E-04 | 4.86 | 0.708603 | 6.05E-02 | 73178545 | 73178668 | NC\_000004.11 |
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| cg20156545 | ADAMTS5 | 4.25E-06 | 6.57 | 4.233858 | 2.58E-01 | 28335020 | 28335143 | NC\_000021.8 |
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| cg07771160 | ADAMTS5 | 3.76E-06 | 6.64 | 4.356961 | 1.79E-01 | 28335945 | 28336068 | NC\_000021.8 |
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| cg23886747 | ADAMTS8 | 1.85E-04 | 4.72 | 0.424834 | 1.64E-01 | 130297197 | 130297320 | NC\_000011.9 |
| cg16453560 | ADAMTS8 | 8.65E-03 | 2.96 | -3.36968 | 2.57E-02 | 130298756 | 130298879 | NC\_000011.9 |
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| cg08182171 | ADAMTS8 | 6.86E-04 | -4.12 | -0.88401 | -9.34E-02 | 130291156 | 130291279 | NC\_000011.9 |
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| cg02518691 | ADAMTS8 | 1.18E-04 | 4.93 | 0.873593 | 1.67E-01 | 130297149 | 130297272 | NC\_000011.9 |
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| cg21527616 | ADAMTS9 | 4.41E-10 | 1.24E+01 | 13.43783 | 2.91E-01 | 64547373 | 64547496 | NC\_000003.11 |
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| cg14187266 | ADAMTS9 | 7.31E-10 | 1.20E+01 | 12.93932 | 3.31E-01 | 64547346 | 64547469 | NC\_000003.11 |
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| cg04366011 | ADAMTS9 | 9.40E-03 | 2.97 | -3.35728 | 4.95E-02 | 64671477 | 64671600 | NC\_000003.11 |
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| cg02810826 | ADAMTS9 | 5.75E-03 | -3.15 | -2.97518 | -6.20E-02 | 64504415 | 64504538 | NC\_000003.11 |
| cg02246130 | ADAMTS9 | 1.44E-09 | 1.15E+01 | 12.26737 | 3.15E-01 | 64547152 | 64547275 | NC\_000003.11 |
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| ch.9.357218F | ADAMTSL1 | 8.55E-04 | 4.07 | -1.04933 | 4.72E-02 | 18618131 | 18618254 | NC\_000009.11 |
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| cg15324185 | ADAMTSL3 | 1.08E-02 | -2.85 | -3.5815 | -2.49E-02 | 84612808 | 84612931 | NC\_000015.9 |
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| cg01152302 | ADAMTSL3 | 1.16E-04 | 4.94 | 0.890668 | 1.08E-01 | 84323770 | 84323893 | NC\_000015.9 |
| cg27630771 | ADAMTSL4 | 6.62E-04 | 4.14 | -0.8494 | 8.61E-02 | 150533123 | 150533246 | NC\_000001.10 |
| cg26875450 | ADAMTSL4 | 2.55E-02 | 2.44 | -4.39265 | 2.95E-02 | 150530531 | 150530654 | NC\_000001.10 |
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| cg21996039 | ADAMTSL4 | 2.08E-03 | -3.61 | -1.98132 | -3.19E-02 | 150525424 | 150525547 | NC\_000001.10 |
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| cg14037218 | ADAMTSL4 | 2.12E-04 | 4.66 | 0.287655 | 1.83E-01 | 150522367 | 150522490 | NC\_000001.10 |
| cg12974394 | ADAMTSL4 | 1.54E-04 | 4.81 | 0.607855 | 1.82E-01 | 150522266 | 150522389 | NC\_000001.10 |
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| cg01922433 | ADAMTSL4 | 2.21E-04 | 4.64 | 0.24627 | 6.39E-02 | 150529761 | 150529884 | NC\_000001.10 |
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| cg17720286 | ADAMTSL5 | 4.71E-05 | -5.37 | 1.801427 | -8.49E-02 | 1513941 | 1514064 | NC\_000019.9 |
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| cg15002904 | ADAMTSL5 | 1.47E-02 | 2.71 | -3.87562 | 8.99E-02 | 1510692 | 1510815 | NC\_000019.9 |
| cg13434396 | ADAMTSL5 | 4.44E-05 | 5.4 | 1.862068 | 1.19E-01 | 1508555 | 1508678 | NC\_000019.9 |
| cg09791746 | ADAMTSL5 | 3.84E-05 | 5.47 | 2.007186 | 2.31E-01 | 1510494 | 1510617 | NC\_000019.9 |
| cg00658405 | ADAMTSL5 | 1.15E-02 | 2.83 | -3.63913 | 9.33E-02 | 1510500 | 1510623 | NC\_000019.9 |
| cg17904988 | ADAMTS4 | 5.96E-05 | 5.26 | 1.563915 | 1.79E-01 | 161168451 | 161168574 | NC\_000001.10 |
| cg17166812 | ADAMTS4 | 1.64E-02 | 2.66 | -3.98213 | 7.49E-02 | 161169574 | 161169697 | NC\_000001.10 |
| cg14448116 | ADAMTS4 | 6.01E-04 | 4.18 | -0.75186 | 8.91E-02 | 161170110 | 161170233 | NC\_000001.10 |
| cg14382215 | ADAMTS4 | 2.53E-04 | 4.58 | 0.113222 | 2.14E-01 | 161169007 | 161169130 | NC\_000001.10 |
| cg11801851 | ADAMTS4 | 2.88E-05 | 5.61 | 2.299423 | 2.29E-01 | 161169164 | 161169287 | NC\_000001.10 |
| cg10493436 | ADAMTS4 | 1.04E-04 | 5 | 1.005824 | 2.64E-01 | 161168957 | 161169080 | NC\_000001.10 |
| cg08545169 | ADAMTS4 | 2.60E-05 | 5.66 | 2.399776 | 1.65E-01 | 161169143 | 161169266 | NC\_000001.10 |
| cg06760507 | ADAMTS4 | 1.09E-03 | 3.91 | -1.34241 | 1.93E-01 | 161168145 | 161168268 | NC\_000001.10 |
| cg04436964 | ADAMTS4 | 4.84E-02 | 2.12 | -4.98285 | 5.36E-02 | 161167745 | 161167868 | NC\_000001.10 |
| cg04263215 | ADAMTS4 | 1.48E-04 | 4.83 | 0.64617 | 2.53E-01 | 161168856 | 161168979 | NC\_000001.10 |