

| | SNP | effect_allele.exposure | other_allele.exposure | effect_allele.outcome | other_allele.outcome | beta.exposure | beta.outcome | eaf.exposure |
|----|-------------|------------------------|-----------------------|-----------------------|----------------------|---------------|--------------|--------------|
| | All | All | All | All | All | All | All | All |
| 1 | rs1009360 | C | T | C | T | -0.0184832 | -0.0119 | 0.41859 |
| 2 | rs10152471 | A | G | A | G | -0.0135209 | -0.0007 | 0.388656 |
| 3 | rs10210970 | T | C | T | C | 0.0232557 | 0.0046 | 0.131448 |
| 4 | rs10242866 | T | C | T | C | 0.015793 | 0.0074 | 0.398698 |
| 5 | rs10277582 | T | C | T | C | -0.0173714 | -0.0061 | 0.118591 |
| 6 | rs1037117 | A | G | A | G | 0.0172213 | -0.0078 | 0.254798 |
| 7 | rs10405944 | C | T | C | T | -0.013209 | 0.0037 | 0.483077 |
| 8 | rs1043897 | T | G | T | G | -0.014664 | 0.0002 | 0.415585 |
| 9 | rs1044808 | C | G | C | G | -0.0247492 | -0.0093 | 0.081237 |
| 10 | rs1045241 | T | C | T | C | -0.0206988 | -0.007 | 0.270943 |
| 11 | rs10513688 | A | G | A | G | 0.0247828 | -0.0165 | 0.097403 |
| 12 | rs10750766 | A | C | A | C | 0.0193855 | 0.0151 | 0.709959 |
| 13 | rs10773000 | T | G | T | G | -0.0149294 | -0.0143 | 0.332276 |
| 14 | rs10773049 | C | T | C | T | -0.0290398 | 0.0118 | 0.39535 |
| 15 | rs10775406 | G | A | G | A | 0.0206571 | 0.004 | 0.759694 |
| 16 | rs1077835 | G | A | G | A | 0.0473668 | 0.0277 | 0.220459 |
| 17 | rs10797119 | C | T | C | T | 0.0157113 | 0.0036 | 0.536622 |
| 18 | rs10811662 | A | G | A | G | -0.0154098 | 0.002 | 0.173212 |
| 19 | rs10822163 | G | C | G | C | -0.0321674 | -0.0109 | 0.473369 |
| 20 | rs10883026 | T | C | T | C | -0.0144604 | -0.0118 | 0.521569 |
| 21 | rs10899490 | T | C | T | C | -0.0170082 | -0.0033 | 0.161369 |
| 22 | rs11000468 | T | C | T | C | -0.0148544 | -0.0091 | 0.255269 |
| 23 | rs11030107 | G | A | G | A | 0.0160418 | -0.0094 | 0.260757 |
| 24 | rs11078597 | C | T | C | T | 0.0191708 | -0.0019 | 0.186613 |
| 25 | rs11100083 | C | T | C | T | -0.0160248 | -0.0043 | 0.226214 |
| 26 | rs11118310 | T | A | T | A | 0.0193178 | -0.0025 | 0.593476 |
| 27 | rs11122450 | G | T | G | T | -0.0481745 | -0.0031 | 0.611733 |
| 28 | rs11185542 | C | G | C | G | -0.0126395 | -0.0108 | 0.727914 |
| 29 | rs11187019 | G | A | G | A | -0.0116437 | -0.0008 | 0.550621 |
| 30 | rs11206374 | A | G | A | G | 0.0250232 | 0.0087 | 0.224815 |
| 31 | rs112381903 | T | A | T | A | 0.0231649 | -0.0027 | 0.06731 |
| 32 | rs11240358 | A | G | A | G | 0.0135651 | 0.0096 | 0.394026 |
| 33 | rs1133400 | G | A | G | A | 0.0137462 | -0.0144 | 0.219923 |
| 34 | rs114165349 | C | G | C | G | 0.0818126 | 0.0459 | 0.023157 |
| 35 | rs11600815 | A | G | A | G | -0.0322469 | -0.0042 | 0.051753 |
| 36 | rs11637681 | G | A | G | A | 0.0125866 | -0.0043 | 0.276291 |
| 37 | rs11664106 | T | A | T | A | -0.0125831 | -0.0084 | 0.374102 |
| 38 | rs116843064 | A | G | A | G | -0.226505 | -0.0103 | 0.019327 |
| 39 | rs11722924 | C | G | C | G | 0.0129095 | -0.0149 | 0.53531 |
| 40 | rs117233107 | A | G | A | G | -0.0732317 | 0.0044 | 0.015176 |
| 41 | rs117287238 | A | G | A | G | -0.0394324 | 0.0191 | 0.028185 |
| 42 | rs117291242 | T | C | T | C | 0.0297851 | -0.0063 | 0.036536 |
| 43 | rs117431393 | G | A | G | A | 0.0312254 | 0.02 | 0.035446 |
| 44 | rs11746801 | A | G | A | G | -0.0123657 | 0.0198 | 0.637069 |
| 45 | rs11904650 | G | A | G | A | 0.0410641 | 0.0263 | 0.020999 |
| 46 | rs12185242 | C | A | C | A | 0.0175265 | 0.0291 | 0.454836 |
| 47 | rs12424054 | A | G | A | G | 0.0191212 | -0.0054 | 0.232437 |
| 48 | rs12440800 | T | A | T | A | 0.0161 | 0.0149 | 0.255149 |
| 49 | rs12446515 | T | C | T | C | -0.0334207 | -0.0155 | 0.322889 |
| 50 | rs12475332 | G | T | G | T | -0.0140007 | -0.0083 | 0.260988 |
| 51 | rs12504746 | T | C | T | C | -0.0152674 | -0.0084 | 0.192857 |
| 52 | rs12530679 | G | A | G | A | -0.0121299 | 0.0012 | 0.48466 |
| 53 | rs12669911 | C | A | C | A | -0.0118536 | -0.0111 | 0.614026 |
| 54 | rs12880341 | C | T | C | T | 0.0209696 | -0.0125 | 0.159023 |
| 55 | rs12902047 | C | A | C | A | -0.0129253 | -0.0053 | 0.313907 |

| | | | | | | | | |
|-----|-------------|---|---|---|---|------------|---------|----------|
| 56 | rs1292065 | G | C | G | C | -0.0139237 | -0.0079 | 0.709244 |
| 57 | rs12926107 | G | A | G | A | 0.0126364 | -0.0039 | 0.454903 |
| 58 | rs12928099 | A | C | A | C | -0.0282116 | -0.0167 | 0.296442 |
| 59 | rs12948505 | T | C | T | C | 0.0138887 | 0.0116 | 0.194119 |
| 60 | rs13066793 | G | A | G | A | -0.0224583 | -0.0023 | 0.090095 |
| 61 | rs13107325 | T | C | T | C | 0.0300749 | 0.0076 | 0.074905 |
| 62 | rs13108218 | G | A | G | A | -0.0305169 | -0.0161 | 0.614859 |
| 63 | rs13118477 | A | G | A | G | 0.0149897 | -0.0042 | 0.392654 |
| 64 | rs1316753 | C | G | C | G | -0.0145732 | -0.0094 | 0.394062 |
| 65 | rs13264304 | G | C | G | C | 0.0189102 | -0.0049 | 0.151023 |
| 66 | rs13269725 | G | A | G | A | 0.0349878 | 0.0092 | 0.078416 |
| 67 | rs13354321 | C | T | C | T | -0.0154305 | 0.0059 | 0.409787 |
| 68 | rs13389219 | T | C | T | C | -0.0376242 | -0.0203 | 0.392551 |
| 69 | rs1340819 | C | A | C | A | -0.0121655 | -0.006 | 0.345011 |
| 70 | rs134551 | T | C | T | C | -0.0116536 | -0.012 | 0.335438 |
| 71 | rs1347188 | G | A | G | A | 0.0139021 | 0 | 0.245797 |
| 72 | rs138191773 | A | G | A | G | -0.0471717 | -0.0531 | 0.017021 |
| 73 | rs139974673 | C | T | C | T | 0.143073 | 0.0362 | 0.026131 |
| 74 | rs140107293 | G | A | G | A | -0.0227003 | 0.0173 | 0.154707 |
| 75 | rs140288 | A | G | A | G | -0.0132623 | -0.0143 | 0.566711 |
| 76 | rs1420384 | T | G | T | G | -0.01279 | 0.0033 | 0.66699 |
| 77 | rs143076454 | A | G | A | G | 0.0403999 | 0.003 | 0.018647 |
| 78 | rs145947882 | C | A | C | A | 0.137333 | 0.0271 | 0.025952 |
| 79 | rs1473886 | T | G | T | G | -0.0181218 | -0.0034 | 0.477624 |
| 80 | rs148827772 | G | A | G | A | 0.0465516 | -0.051 | 0.022544 |
| 81 | rs149142833 | T | C | T | C | 0.0169358 | -0.013 | 0.156359 |
| 82 | rs149778057 | C | A | C | A | -0.0157568 | 0.0021 | 0.32832 |
| 83 | rs150419156 | A | G | A | G | -0.0505491 | -0.1148 | 0.015259 |
| 84 | rs150423652 | T | G | T | G | 0.285824 | 0.1102 | 0.006675 |
| 85 | rs150460588 | C | T | C | T | 0.0326952 | 0.0546 | 0.044425 |
| 86 | rs150555490 | T | C | T | C | -0.0384234 | -0.0332 | 0.056868 |
| 87 | rs150564454 | A | G | A | G | -0.101751 | 0.0926 | 0.011556 |
| 88 | rs151235402 | T | C | T | C | 0.0521833 | -0.0214 | 0.015827 |
| 89 | rs1544980 | C | T | C | T | 0.0238704 | -0.0103 | 0.198644 |
| 90 | rs1567353 | G | C | G | C | 0.0148202 | 0.0008 | 0.307644 |
| 91 | rs17184382 | C | A | C | A | -0.0219251 | 0.0193 | 0.425367 |
| 92 | rs17326656 | T | G | T | G | 0.0174394 | -0.0052 | 0.238472 |
| 94 | rs17585887 | C | T | C | T | -0.0285849 | -0.0178 | 0.591074 |
| 95 | rs1760801 | A | G | A | G | -0.0202981 | -0.0095 | 0.295768 |
| 96 | rs1799831 | T | C | T | C | 0.024506 | 0.0291 | 0.156029 |
| 97 | rs1801689 | C | A | C | A | -0.06613 | 0.096 | 0.030543 |
| 98 | rs1835346 | G | A | G | A | -0.0391877 | 0.0791 | 0.023874 |
| 99 | rs186696265 | T | C | T | C | -0.104318 | 0.0879 | 0.014693 |
| 100 | rs188247550 | T | C | T | C | -0.134286 | 0.0245 | 0.013117 |
| 101 | rs193735 | A | G | A | G | 0.0329807 | 0.0121 | 0.036665 |
| 102 | rs1938566 | T | C | T | C | -0.0212127 | -0.0108 | 0.834537 |
| 103 | rs2043085 | C | T | C | T | -0.0308028 | -0.0052 | 0.612184 |
| 104 | rs2068888 | A | G | A | G | -0.0318216 | 0.0022 | 0.450732 |
| 105 | rs2070341 | T | C | T | C | 0.0113012 | 0.0087 | 0.60309 |
| 106 | rs2071887 | A | T | A | T | 0.016312 | -0.0194 | 0.344804 |
| 107 | rs2081194 | C | G | C | G | -0.0214115 | -0.0208 | 0.600934 |
| 108 | rs2081687 | C | T | C | T | -0.0261379 | -0.0005 | 0.663201 |
| 109 | rs2092203 | T | C | T | C | 0.0136756 | -0.0087 | 0.481154 |
| 110 | rs2131311 | G | A | G | A | -0.0124181 | -0.0022 | 0.714636 |
| 111 | rs2131919 | G | A | G | A | 0.0173511 | -0.007 | 0.164266 |
| 112 | rs213494 | T | C | T | C | 0.0156106 | 0.0032 | 0.648345 |
| 113 | rs2137557 | C | T | C | T | 0.0117624 | -0.0074 | 0.645612 |
| 114 | rs2187114 | A | G | A | G | -0.0185151 | -0.0049 | 0.101024 |

| | | | | | | | | |
|-----|------------|---|---|---|---|------------|---------|----------|
| 115 | rs2237029 | A | G | A | G | -0.0139399 | -0.0118 | 0.601353 |
| 116 | rs2240466 | A | G | A | G | -0.122769 | -0.0076 | 0.122916 |
| 117 | rs2240533 | C | T | C | T | -0.0129897 | 0.0195 | 0.309898 |
| 118 | rs2244278 | A | C | A | C | -0.0269912 | -0.0129 | 0.120553 |
| 119 | rs2267373 | T | C | T | C | 0.0215638 | 0.0005 | 0.580693 |
| 120 | rs2302263 | T | C | T | C | 0.0436112 | -0.0228 | 0.088863 |
| 121 | rs2304969 | T | G | T | G | -0.0161469 | -0.0031 | 0.144932 |
| 122 | rs2305746 | G | A | G | A | 0.0282544 | 0.0009 | 0.933319 |
| 123 | rs2382825 | T | C | T | C | -0.0134774 | -0.0017 | 0.622954 |
| 124 | rs2407278 | G | A | G | A | -0.0339449 | 0.0058 | 0.030154 |
| 125 | rs2487294 | T | G | T | G | 0.0183191 | 0.0006 | 0.723477 |
| 127 | rs2699805 | A | G | A | G | -0.0201313 | -0.0009 | 0.399672 |
| 128 | rs275184 | G | T | G | T | -0.0173487 | -0.0027 | 0.162051 |
| 130 | rs278981 | C | T | C | T | 0.0125871 | -0.0079 | 0.758155 |
| 131 | rs2812208 | C | G | C | G | -0.048426 | 0.0344 | 0.02089 |
| 132 | rs28383314 | C | T | C | T | 0.0379005 | 0.0059 | 0.624109 |
| 133 | rs28439112 | A | T | A | T | 0.0126014 | 0.0174 | 0.255528 |
| 134 | rs28577186 | A | G | A | G | -0.0163428 | -0.0147 | 0.664571 |
| 135 | rs28752924 | G | T | G | T | 0.0243875 | 0.0253 | 0.243148 |
| 136 | rs28752924 | G | T | G | A | 0.0243875 | 0.0031 | 0.243148 |
| 137 | rs2925979 | C | T | C | T | -0.0322092 | -0.0111 | 0.699976 |
| 138 | rs2937124 | T | C | T | C | -0.0182561 | -0.01 | 0.362769 |
| 139 | rs2943645 | T | C | T | C | 0.0402918 | 0.0194 | 0.646594 |
| 140 | rs2983896 | A | G | A | G | 0.0137912 | -0.0009 | 0.21474 |
| 141 | rs308 | G | T | G | T | -0.159413 | -0.0022 | 0.020597 |
| 142 | rs3103310 | G | A | G | A | 0.0202549 | 0.013 | 0.241785 |
| 143 | rs320369 | G | A | G | A | -0.0125327 | 0.0105 | 0.683292 |
| 144 | rs325485 | G | A | G | A | -0.0117435 | 0.0079 | 0.602889 |
| 145 | rs326222 | C | T | C | T | 0.0252203 | -0.0022 | 0.697957 |
| 146 | rs343 | A | C | A | C | -0.141493 | -0.009 | 0.083129 |
| 147 | rs34682685 | A | G | A | G | 0.0337428 | 0.0195 | 0.104198 |
| 148 | rs35763453 | C | T | C | T | 0.02845 | -0.0188 | 0.058647 |
| 149 | rs36043408 | A | G | A | G | -0.0128072 | -0.0074 | 0.502153 |
| 150 | rs3731696 | G | A | G | A | 0.0218939 | 0.0039 | 0.121188 |
| 151 | rs3758413 | C | T | C | T | 0.0111232 | -0.0142 | 0.417724 |
| 152 | rs3775228 | T | C | T | C | 0.0338197 | 0.0013 | 0.399717 |
| 153 | rs3808477 | T | C | T | C | -0.0133854 | 0.0013 | 0.279294 |
| 154 | rs3814883 | T | C | T | C | 0.0148926 | 0.0058 | 0.482498 |
| 155 | rs3820897 | C | T | C | T | 0.0197269 | 0.0039 | 0.819861 |
| 156 | rs394872 | T | C | T | C | 0.0111807 | 0.0185 | 0.536237 |
| 157 | rs3974807 | T | C | T | C | 0.0159776 | 0.0112 | 0.189267 |
| 158 | rs4128205 | C | A | C | A | 0.0115011 | -0.0097 | 0.509173 |
| 159 | rs4134963 | T | C | T | C | -0.0189544 | -0.0208 | 0.189878 |
| 160 | rs41785 | A | C | A | C | -0.0150445 | -0.0209 | 0.417487 |
| 161 | rs4253750 | C | T | C | T | 0.0177576 | 0.0167 | 0.214455 |
| 162 | rs4471666 | G | T | G | T | -0.022461 | -0.013 | 0.069488 |
| 163 | rs4665972 | C | T | C | T | -0.10025 | 0.0018 | 0.604587 |
| 164 | rs4675812 | A | G | A | G | -0.0142305 | -0.0052 | 0.587882 |
| 165 | rs4731701 | T | C | T | C | -0.0325803 | -0.0234 | 0.493088 |
| 166 | rs4760254 | C | G | C | G | -0.0281414 | -0.0067 | 0.23908 |
| 167 | rs4761234 | C | T | C | T | -0.0140236 | 0.005 | 0.484365 |
| 168 | rs4765148 | T | G | T | G | -0.0251537 | 0.0037 | 0.312686 |
| 169 | rs480823 | C | T | C | T | 0.15572 | 0.0285 | 0.078996 |
| 170 | rs483082 | T | G | T | G | 0.0862119 | -0.012 | 0.23535 |
| 171 | rs483808 | T | C | T | C | -0.0136636 | -0.0143 | 0.701973 |
| 172 | rs4841580 | C | T | C | T | -0.0245383 | 0.0047 | 0.434941 |
| 173 | rs4969179 | G | T | G | T | -0.0177529 | -0.0083 | 0.60445 |
| 174 | rs4976033 | G | A | G | A | 0.0177909 | 0.0123 | 0.402122 |

| | | | | | | | | |
|-----|------------|---|---|---|---|------------|---------|----------|
| 175 | rs499293 | A | G | A | G | -0.0117912 | -0.0071 | 0.65807 |
| 176 | rs5112 | G | C | G | C | 0.0684501 | 0.0121 | 0.533428 |
| 177 | rs551243 | C | G | C | G | 0.0143952 | 0.0058 | 0.469258 |
| 178 | rs55646464 | T | G | T | G | 0.0121913 | -0.0176 | 0.300087 |
| 179 | rs55966194 | G | C | G | C | -0.0178509 | -0.0137 | 0.281997 |
| 180 | rs56397607 | G | A | G | A | 0.0174851 | -0.0144 | 0.182538 |
| 181 | rs56902258 | A | T | A | T | -0.0151434 | 0.0002 | 0.196198 |
| 182 | rs5755799 | G | C | G | C | 0.0118859 | 0.005 | 0.453747 |
| 183 | rs581080 | C | G | C | G | 0.0175432 | 0.0038 | 0.819008 |
| 184 | rs58542926 | T | C | T | C | -0.103184 | -0.0139 | 0.074608 |
| 185 | rs6028716 | A | G | A | G | -0.0128217 | -0.0083 | 0.258428 |
| 186 | rs6073958 | C | T | C | T | 0.0556952 | -0.002 | 0.198674 |
| 187 | rs60856912 | T | G | T | G | 0.0248329 | 0.0081 | 0.162906 |
| 188 | rs61729990 | A | C | A | C | -0.0558488 | -0.1028 | 0.017888 |
| 189 | rs61830291 | C | A | C | A | 0.0287484 | -0.0306 | 0.095791 |
| 190 | rs61905078 | C | A | C | A | 0.199898 | 0.0224 | 0.073841 |
| 191 | rs61993685 | C | T | C | T | -0.0234087 | -0.0085 | 0.076413 |
| 192 | rs62102718 | T | A | T | A | 0.0202348 | -0.0051 | 0.286196 |
| 193 | rs62112763 | G | C | G | C | 0.01935 | 0.0007 | 0.438929 |
| 194 | rs62128802 | T | C | T | C | -0.0158746 | -0.012 | 0.183216 |
| 195 | rs62135012 | A | G | A | G | -0.0117482 | -0.0009 | 0.357929 |
| 196 | rs62271373 | A | T | A | T | 0.0419639 | -0.0002 | 0.059967 |
| 197 | rs62274099 | T | C | T | C | 0.0120882 | 0.0094 | 0.424205 |
| 198 | rs62397245 | G | C | G | C | 0.0149941 | 0.0193 | 0.22236 |
| 199 | rs62427982 | T | C | T | C | -0.0133153 | 0.0095 | 0.32217 |
| 200 | rs62473520 | C | T | C | T | -0.0211003 | 0.0084 | 0.077998 |
| 201 | rs6432622 | G | A | G | A | -0.0108868 | -0.0138 | 0.490264 |
| 202 | rs6506033 | T | C | T | C | -0.0228948 | -0.0152 | 0.072523 |
| 203 | rs6517522 | C | T | C | T | -0.0129031 | 0.0028 | 0.498138 |
| 204 | rs6532798 | T | C | T | C | 0.013792 | -0.0102 | 0.697405 |
| 205 | rs6562773 | G | A | G | A | -0.0120538 | -0.0062 | 0.547533 |
| 206 | rs6572807 | G | A | G | A | 0.0124759 | -0.0034 | 0.267065 |
| 207 | rs6752845 | C | G | C | G | -0.0137812 | 0.0036 | 0.431425 |
| 208 | rs676210 | A | G | A | G | -0.0735169 | -0.0019 | 0.205293 |
| 209 | rs6792725 | G | A | G | A | -0.0152543 | 0.0066 | 0.692404 |
| 210 | rs67981690 | G | A | G | A | 0.0299225 | -0.0172 | 0.129887 |
| 211 | rs6800707 | G | C | G | C | 0.0298848 | -0.0053 | 0.810543 |
| 212 | rs6805924 | T | G | T | G | 0.0109684 | 0.0062 | 0.430548 |
| 213 | rs684773 | C | A | C | A | 0.0291133 | 0.01 | 0.766797 |
| 214 | rs6882076 | C | T | C | T | 0.0331011 | 0.0007 | 0.634285 |
| 215 | rs6916318 | T | A | T | A | 0.0267283 | 0.019 | 0.530533 |
| 216 | rs696825 | T | C | T | C | -0.0202838 | 0.0183 | 0.252926 |
| 217 | rs698927 | C | A | C | A | -0.0183059 | 0.0238 | 0.183785 |
| 218 | rs6999569 | G | A | G | A | -0.0860885 | -0.0141 | 0.470737 |
| 219 | rs7000494 | C | G | C | G | 0.136538 | 0.0014 | 0.030042 |
| 220 | rs70777812 | C | T | C | T | 0.0142284 | 0.0106 | 0.194911 |
| 221 | rs7134375 | A | C | A | C | -0.0171435 | 0.0046 | 0.431174 |
| 222 | rs7135509 | C | T | C | T | -0.0121338 | -0.0008 | 0.293196 |
| 223 | rs7140110 | C | T | C | T | 0.0283172 | 0.0178 | 0.298338 |
| 224 | rs71538127 | G | C | G | C | 0.0176494 | -0.0135 | 0.122052 |
| 225 | rs71603401 | G | A | G | A | 0.0264991 | 0.0124 | 0.136804 |
| 226 | rs7215055 | G | A | G | A | 0.0389233 | 0.0035 | 0.062892 |
| 227 | rs7239575 | C | T | C | T | -0.0160767 | -0.0171 | 0.490494 |
| 228 | rs7244 | A | G | A | G | 0.0151978 | -0.0064 | 0.174166 |
| 229 | rs72555385 | G | A | G | A | 0.0653776 | 0.0481 | 0.048975 |
| 230 | rs72603744 | C | A | C | A | -0.0125232 | 0.0019 | 0.315623 |
| 231 | rs72644085 | C | T | C | T | -0.0196036 | -0.0269 | 0.146036 |
| 232 | rs7274718 | A | G | A | G | 0.0159491 | 0.0037 | 0.598516 |

| | | | | | | | | |
|-----|------------|---|---|---|---|------------|---------|----------|
| 233 | rs72784786 | A | G | A | G | 0.0263468 | 0.0293 | 0.060638 |
| 235 | rs729761 | G | T | G | T | 0.0177868 | 0.0186 | 0.711859 |
| 236 | rs73025562 | A | G | A | G | 0.0138633 | -0.0007 | 0.245879 |
| 237 | rs7308584 | A | G | A | G | 0.0149992 | 0.0175 | 0.184436 |
| 238 | rs73238173 | G | C | G | C | -0.0165938 | 0.0209 | 0.129955 |
| 239 | rs7400002 | G | A | G | A | 0.0139701 | -0.022 | 0.230609 |
| 240 | rs74090351 | A | G | A | G | -0.0250097 | -0.0015 | 0.068143 |
| 241 | rs742036 | A | G | A | G | -0.0143632 | 0.0026 | 0.375259 |
| 242 | rs7424120 | T | C | T | C | -0.0123561 | -0.0264 | 0.601724 |
| 243 | rs75268115 | G | A | G | A | -0.0207435 | -0.0105 | 0.084699 |
| 244 | rs75609851 | A | G | A | G | -0.199116 | -0.0299 | 0.01048 |
| 246 | rs75942983 | T | A | T | A | -0.0201303 | -0.0095 | 0.083627 |
| 247 | rs77009508 | G | A | G | A | 0.0450912 | -0.0187 | 0.073734 |
| 248 | rs7704653 | G | A | G | A | 0.0157533 | 0.0028 | 0.723029 |
| 249 | rs7714361 | C | A | C | A | 0.0138858 | -0.0031 | 0.233667 |
| 251 | rs7786339 | T | C | T | C | 0.016328 | 0.0144 | 0.168936 |
| 252 | rs78058190 | A | G | A | G | 0.0816071 | 0.012 | 0.05045 |
| 253 | rs7847285 | C | T | C | T | -0.0116104 | 0.0007 | 0.589213 |
| 254 | rs78484485 | A | G | A | G | -0.0758529 | -0.0179 | 0.054016 |
| 255 | rs78588343 | A | G | A | G | -0.0155231 | -0.0046 | 0.176216 |
| 256 | rs7861679 | T | C | T | C | 0.0122025 | 0.0138 | 0.696815 |
| 257 | rs79153732 | T | C | T | C | 0.0773626 | 0.0019 | 0.017389 |
| 258 | rs79287178 | A | G | A | G | 0.0500946 | -0.0156 | 0.031151 |
| 259 | rs79357714 | G | A | G | A | -0.0289463 | 0.0074 | 0.045724 |
| 260 | rs7947951 | G | A | G | A | 0.0193777 | 0.0061 | 0.689254 |
| 261 | rs80276949 | A | G | A | G | 0.0457563 | 0.0457 | 0.022677 |
| 262 | rs8102873 | T | C | T | C | 0.0123302 | -0.0167 | 0.584919 |
| 263 | rs8126001 | T | C | T | C | -0.0163778 | -0.0028 | 0.489576 |
| 264 | rs852388 | C | G | C | G | 0.0157124 | -0.0217 | 0.211278 |
| 265 | rs867939 | A | G | A | G | -0.0136048 | -0.0027 | 0.57621 |
| 267 | rs921971 | C | T | C | T | 0.01565 | 0.0104 | 0.265901 |
| 268 | rs9368503 | T | A | T | A | -0.0119616 | 0.0098 | 0.510113 |
| 269 | rs9376511 | G | A | G | A | -0.0154993 | -0.0092 | 0.203288 |
| 270 | rs9425589 | A | G | A | G | -0.0137618 | -0.0146 | 0.566781 |
| 271 | rs9436661 | G | T | G | T | -0.0777322 | -0.0021 | 0.352919 |
| 272 | rs9480889 | G | C | G | C | 0.0163067 | 0.0109 | 0.783137 |
| 273 | rs954244 | G | C | G | C | 0.0153323 | 0.0064 | 0.254641 |
| 274 | rs9561643 | C | A | C | A | 0.0167149 | -0.0044 | 0.314726 |
| 275 | rs9584870 | C | T | C | T | -0.0123562 | -0.0113 | 0.366179 |
| 276 | rs970069 | T | C | T | C | 0.0162322 | -0.0044 | 0.212039 |
| 277 | rs9831084 | C | T | C | T | -0.0118516 | -0.0082 | 0.461922 |
| 278 | rs9889402 | A | G | A | G | 0.0122827 | -0.0028 | 0.728192 |
| 279 | rs9902027 | T | C | T | C | -0.0151609 | -0.0062 | 0.77437 |
| 280 | rs998584 | A | C | A | C | 0.0401182 | -0.0032 | 0.482727 |

| eaf.outcome | remove | palindromic | ambiguous | id.outcome | chr | pos | se.outcome | samplesize.outcome |
|-------------|---------|-------------|-----------|------------|---------------|-----|------------|--------------------|
| All | All | All | All | All | All | All | All | |
| | 0.4086 | FALSE | FALSE | FALSE | finn-b-19_CVD | 2 | 65276049 | 0.0078 <i>N/A</i> |
| | 0.4206 | FALSE | FALSE | FALSE | finn-b-19_CVD | 15 | 101890913 | 0.0078 <i>N/A</i> |
| | 0.1843 | FALSE | FALSE | FALSE | finn-b-19_CVD | 2 | 28646847 | 0.01 <i>N/A</i> |
| | 0.2975 | FALSE | FALSE | FALSE | finn-b-19_CVD | 7 | 17920613 | 0.0084 <i>N/A</i> |
| | 0.1094 | FALSE | FALSE | FALSE | finn-b-19_CVD | 7 | 17284989 | 0.0124 <i>N/A</i> |
| | 0.2852 | FALSE | FALSE | FALSE | finn-b-19_CVD | 15 | 102068658 | 0.0085 <i>N/A</i> |
| | 0.4135 | FALSE | FALSE | FALSE | finn-b-19_CVD | 19 | 33728001 | 0.0078 <i>N/A</i> |
| | 0.37 | FALSE | FALSE | FALSE | finn-b-19_CVD | 1 | 230416399 | 0.008 <i>N/A</i> |
| | 0.05633 | FALSE | TRUE | FALSE | finn-b-19_CVD | 1 | 149871905 | 0.0167 <i>N/A</i> |
| | 0.3134 | FALSE | FALSE | FALSE | finn-b-19_CVD | 5 | 118729286 | 0.0083 <i>N/A</i> |
| | 0.09592 | FALSE | FALSE | FALSE | finn-b-19_CVD | 3 | 170727218 | 0.013 <i>N/A</i> |
| | 0.7379 | FALSE | FALSE | FALSE | finn-b-19_CVD | 11 | 65473798 | 0.0088 <i>N/A</i> |
| | 0.3524 | FALSE | FALSE | FALSE | finn-b-19_CVD | 12 | 123736084 | 0.0081 <i>N/A</i> |
| | 0.4251 | FALSE | FALSE | FALSE | finn-b-19_CVD | 12 | 124506631 | 0.0078 <i>N/A</i> |
| | 0.7359 | FALSE | FALSE | FALSE | finn-b-19_CVD | 17 | 46197755 | 0.0087 <i>N/A</i> |
| | 0.2576 | FALSE | FALSE | FALSE | finn-b-19_CVD | 15 | 58723426 | 0.0088 <i>N/A</i> |
| | 0.5097 | FALSE | FALSE | FALSE | finn-b-19_CVD | 9 | 92202495 | 0.0077 <i>N/A</i> |
| | 0.1436 | FALSE | FALSE | FALSE | finn-b-19_CVD | 9 | 22134253 | 0.011 <i>N/A</i> |
| | 0.4719 | FALSE | TRUE | TRUE | finn-b-19_CVD | 10 | 65124098 | 0.0077 <i>N/A</i> |
| | 0.5851 | FALSE | FALSE | FALSE | finn-b-19_CVD | 10 | 99793865 | 0.0078 <i>N/A</i> |
| | 0.1975 | FALSE | FALSE | FALSE | finn-b-19_CVD | 11 | 78105879 | 0.0097 <i>N/A</i> |
| | 0.4194 | FALSE | FALSE | FALSE | finn-b-19_CVD | 10 | 74711376 | 0.0079 <i>N/A</i> |
| | 0.2505 | FALSE | FALSE | FALSE | finn-b-19_CVD | 11 | 27694835 | 0.0089 <i>N/A</i> |
| | 0.1893 | FALSE | FALSE | FALSE | finn-b-19_CVD | 17 | 1618363 | 0.0099 <i>N/A</i> |
| | 0.1877 | FALSE | FALSE | FALSE | finn-b-19_CVD | 4 | 157682598 | 0.0098 <i>N/A</i> |
| | 0.597 | FALSE | TRUE | FALSE | finn-b-19_CVD | 1 | 219637671 | 0.0079 <i>N/A</i> |
| | 0.5639 | FALSE | FALSE | FALSE | finn-b-19_CVD | 1 | 230301811 | 0.0078 <i>N/A</i> |
| | 0.6944 | FALSE | TRUE | FALSE | finn-b-19_CVD | 3 | 196187927 | 0.0084 <i>N/A</i> |
| | 0.5545 | FALSE | FALSE | FALSE | finn-b-19_CVD | 10 | 94248310 | 0.0078 <i>N/A</i> |
| | 0.2126 | FALSE | FALSE | FALSE | finn-b-19_CVD | 1 | 40048009 | 0.0094 <i>N/A</i> |
| | 0.03779 | FALSE | TRUE | FALSE | finn-b-19_CVD | 17 | 41388250 | 0.0203 <i>N/A</i> |
| | 0.3734 | FALSE | FALSE | FALSE | finn-b-19_CVD | 1 | 205070573 | 0.008 <i>N/A</i> |
| | 0.1732 | FALSE | FALSE | FALSE | finn-b-19_CVD | 10 | 134459388 | 0.0103 <i>N/A</i> |
| | 0.03745 | FALSE | TRUE | FALSE | finn-b-19_CVD | 1 | 27021913 | 0.0203 <i>N/A</i> |
| | 0.08687 | FALSE | FALSE | FALSE | finn-b-19_CVD | 11 | 14797227 | 0.0137 <i>N/A</i> |
| | 0.2067 | FALSE | FALSE | FALSE | finn-b-19_CVD | 15 | 40387971 | 0.0095 <i>N/A</i> |
| | 0.3315 | FALSE | TRUE | FALSE | finn-b-19_CVD | 18 | 2846812 | 0.0083 <i>N/A</i> |
| | 0.02744 | FALSE | FALSE | FALSE | finn-b-19_CVD | 19 | 8429323 | 0.0237 <i>N/A</i> |
| | 0.5072 | FALSE | TRUE | TRUE | finn-b-19_CVD | 4 | 77396854 | 0.0077 <i>N/A</i> |
| | 0.01472 | FALSE | FALSE | FALSE | finn-b-19_CVD | 12 | 4328521 | 0.0327 <i>N/A</i> |
| | 0.02458 | FALSE | FALSE | FALSE | finn-b-19_CVD | 11 | 15090794 | 0.0256 <i>N/A</i> |
| | 0.05459 | FALSE | FALSE | FALSE | finn-b-19_CVD | 11 | 380315 | 0.0172 <i>N/A</i> |
| | 0.06401 | FALSE | FALSE | FALSE | finn-b-19_CVD | 17 | 42355095 | 0.0157 <i>N/A</i> |
| | 0.5902 | FALSE | FALSE | FALSE | finn-b-19_CVD | 5 | 55990342 | 0.0079 <i>N/A</i> |
| | 0.01538 | FALSE | FALSE | FALSE | finn-b-19_CVD | 2 | 119745127 | 0.0313 <i>N/A</i> |
| | 0.4834 | FALSE | FALSE | FALSE | finn-b-19_CVD | 17 | 47407071 | 0.0077 <i>N/A</i> |
| | 0.1767 | FALSE | FALSE | FALSE | finn-b-19_CVD | 12 | 107186747 | 0.0101 <i>N/A</i> |
| | 0.2103 | FALSE | TRUE | FALSE | finn-b-19_CVD | 15 | 61960302 | 0.0095 <i>N/A</i> |
| | 0.2797 | FALSE | FALSE | FALSE | finn-b-19_CVD | 16 | 56987015 | 0.0086 <i>N/A</i> |
| | 0.2132 | FALSE | FALSE | FALSE | finn-b-19_CVD | 2 | 227232047 | 0.0094 <i>N/A</i> |
| | 0.151 | FALSE | FALSE | FALSE | finn-b-19_CVD | 4 | 39646631 | 0.0109 <i>N/A</i> |
| | 0.4899 | FALSE | FALSE | FALSE | finn-b-19_CVD | 7 | 106632113 | 0.0078 <i>N/A</i> |
| | 0.6981 | FALSE | FALSE | FALSE | finn-b-19_CVD | 7 | 32262377 | 0.0084 <i>N/A</i> |
| | 0.1342 | FALSE | FALSE | FALSE | finn-b-19_CVD | 14 | 64236191 | 0.0113 <i>N/A</i> |
| | 0.3405 | FALSE | FALSE | FALSE | finn-b-19_CVD | 15 | 41915522 | 0.0081 <i>N/A</i> |

| | | | | | | | | |
|----------|-------|-------|-------|---------------|----|-----------|--------|-----|
| 0.6927 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 17 | 57906288 | 0.0084 | N/A |
| 0.3058 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 16 | 88004092 | 0.0084 | N/A |
| 0.2824 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 16 | 15150505 | 0.0086 | N/A |
| 0.1362 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 17 | 464962 | 0.0112 | N/A |
| 0.08205 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 3 | 87037543 | 0.0142 | N/A |
| 0.01413 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 4 | 103188709 | 0.0327 | N/A |
| 0.6772 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 4 | 3443931 | 0.0083 | N/A |
| 0.4575 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 4 | 89704367 | 0.0078 | N/A |
| 0.424 | FALSE | TRUE | TRUE | finn-b-I9_CVD | 5 | 78531337 | 0.0078 | N/A |
| 0.2263 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 8 | 18214065 | 0.0092 | N/A |
| 0.03693 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 72459889 | 0.0204 | N/A |
| 0.483 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 5 | 157925297 | 0.0077 | N/A |
| 0.3477 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 165528876 | 0.0081 | N/A |
| 0.3241 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 13 | 29145323 | 0.0082 | N/A |
| 0.276 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 22 | 28807625 | 0.0086 | N/A |
| 0.27 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 4 | 124743259 | 0.0087 | N/A |
| 0.003759 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 72522321 | 0.0643 | N/A |
| 0.005226 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 15 | 44027885 | 0.054 | N/A |
| 0.141 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 10 | 5267191 | 0.0111 | N/A |
| 0.5806 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 22 | 24401542 | 0.0079 | N/A |
| 0.6895 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 171583876 | 0.0084 | N/A |
| 0.01394 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 16 | 921179 | 0.0334 | N/A |
| 0.02998 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 17 | 41809207 | 0.0227 | N/A |
| 0.5806 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 20368519 | 0.0078 | N/A |
| 0.02339 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 4 | 110766064 | 0.0263 | N/A |
| 0.1621 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 20 | 32188142 | 0.0105 | N/A |
| 0.549 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 13 | 31007977 | 0.0078 | N/A |
| 0.005983 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 27744937 | 0.0506 | N/A |
| 0.002102 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 116603816 | 0.0876 | N/A |
| 0.03123 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 15 | 57023457 | 0.0223 | N/A |
| 0.03748 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 116697081 | 0.0205 | N/A |
| 0.002439 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 19972140 | 0.0794 | N/A |
| 0.01647 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 20 | 569164 | 0.0307 | N/A |
| 0.1873 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 10677981 | 0.0099 | N/A |
| 0.3353 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 9 | 1033773 | 0.0082 | N/A |
| 0.3223 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 15 | 63792486 | 0.0083 | N/A |
| 0.1632 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 48962291 | 0.0105 | N/A |
| 0.517 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 139835498 | 0.0077 | N/A |
| 0.3708 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 1 | 154259650 | 0.008 | N/A |
| 0.1926 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 7 | 44199142 | 0.0098 | N/A |
| 0.00968 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 17 | 64210580 | 0.0394 | N/A |
| 0.01503 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 161162290 | 0.0318 | N/A |
| 0.01664 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 161111700 | 0.0306 | N/A |
| 0.0508 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 19 | 19396616 | 0.0177 | N/A |
| 0.06767 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 5 | 130672958 | 0.0153 | N/A |
| 0.769 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 1 | 98478981 | 0.0091 | N/A |
| 0.5793 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 15 | 58680954 | 0.0078 | N/A |
| 0.4697 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 10 | 94839642 | 0.0077 | N/A |
| 0.6226 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 14 | 24545375 | 0.0081 | N/A |
| 0.3671 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 22 | 38879010 | 0.008 | N/A |
| 0.6582 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 19 | 49263477 | 0.0082 | N/A |
| 0.6152 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 59388565 | 0.0079 | N/A |
| 0.5343 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 20 | 39858545 | 0.0077 | N/A |
| 0.7093 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 1 | 40435999 | 0.0086 | N/A |
| 0.1807 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 9 | 95283887 | 0.01 | N/A |
| 0.719 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 1 | 54877103 | 0.0086 | N/A |
| 0.6674 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 3 | 188439236 | 0.0082 | N/A |
| 0.1256 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 18 | 70517838 | 0.0119 | N/A |

| | | | | | | | | |
|---------|-------|-------|-------|---------------|----|-----------|--------|-----|
| 0.6084 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 4 | 55535336 | 0.0079 | N/A |
| 0.1255 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 7 | 72856269 | 0.0116 | N/A |
| 0.2965 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 14 | 71541026 | 0.0084 | N/A |
| 0.09217 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 9 | 107661129 | 0.0134 | N/A |
| 0.5984 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 22 | 38600542 | 0.0078 | N/A |
| 0.1277 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 64021821 | 0.0115 | N/A |
| 0.2704 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 17 | 4692559 | 0.0087 | N/A |
| 0.9374 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 19 | 35556300 | 0.0159 | N/A |
| 0.7313 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 219184275 | 0.0087 | N/A |
| 0.05242 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 37399290 | 0.0174 | N/A |
| 0.6822 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 10 | 113937941 | 0.0083 | N/A |
| 0.4048 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 7 | 26394297 | 0.0079 | N/A |
| 0.1979 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 15 | 39444679 | 0.0097 | N/A |
| 0.7612 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 4 | 40428010 | 0.0092 | N/A |
| 0.02212 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 13 | 50707087 | 0.0263 | N/A |
| 0.6898 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 32587213 | 0.0092 | N/A |
| 0.1966 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 8 | 64664690 | 0.0097 | N/A |
| 0.6421 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 16 | 4488191 | 0.0081 | N/A |
| 0.1012 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 31303922 | 0.0128 | N/A |
| 0.4441 | TRUE | FALSE | FALSE | finn-b-I9_CVD | 6 | 31303922 | 0.0088 | N/A |
| 0.6776 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 16 | 81534790 | 0.0083 | N/A |
| 0.3951 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 16 | 69862109 | 0.0079 | N/A |
| 0.6384 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 227099180 | 0.008 | N/A |
| 0.1889 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 97029871 | 0.0098 | N/A |
| 0.02984 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 19817476 | 0.0227 | N/A |
| 0.1699 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 3 | 12473045 | 0.0104 | N/A |
| 0.6274 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 1 | 118143517 | 0.008 | N/A |
| 0.6487 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 5 | 103995368 | 0.0081 | N/A |
| 0.597 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 47259668 | 0.0082 | N/A |
| 0.06331 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 19810787 | 0.0159 | N/A |
| 0.05773 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 16 | 72096227 | 0.0166 | N/A |
| 0.03718 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 12 | 46215895 | 0.0206 | N/A |
| 0.48 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 1 | 203511492 | 0.0078 | N/A |
| 0.1223 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 203431804 | 0.0117 | N/A |
| 0.4164 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 10 | 17268839 | 0.0078 | N/A |
| 0.3967 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 4 | 87985166 | 0.0079 | N/A |
| 0.3092 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 116670347 | 0.0083 | N/A |
| 0.4119 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 16 | 29994922 | 0.0078 | N/A |
| 0.6471 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 3642361 | 0.0081 | N/A |
| 0.5656 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 21 | 46582100 | 0.0078 | N/A |
| 0.157 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 49161967 | 0.0113 | N/A |
| 0.5787 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 165467068 | 0.0078 | N/A |
| 0.1935 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 20486798 | 0.0098 | N/A |
| 0.3965 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 7 | 116486020 | 0.0079 | N/A |
| 0.1669 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 22 | 46613852 | 0.0104 | N/A |
| 0.08465 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 16 | 85198965 | 0.0139 | N/A |
| 0.6233 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 27598097 | 0.008 | N/A |
| 0.6172 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 242395674 | 0.0079 | N/A |
| 0.4641 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 7 | 130430930 | 0.0077 | N/A |
| 0.2319 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 12 | 57766392 | 0.0091 | N/A |
| 0.4124 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 12 | 69732105 | 0.0078 | N/A |
| 0.2894 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 12 | 124478637 | 0.0085 | N/A |
| 0.16 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 116525730 | 0.0106 | N/A |
| 0.236 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 19 | 45416178 | 0.0091 | N/A |
| 0.6227 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 19 | 7957481 | 0.008 | N/A |
| 0.485 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 11517977 | 0.0096 | N/A |
| 0.7055 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 17 | 76391454 | 0.0085 | N/A |
| 0.4034 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 5 | 67714246 | 0.0079 | N/A |

| | | | | | | | | |
|---------|-------|-------|-------|---------------|----|-----------|--------|-----|
| 0.6204 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 30504660 | 0.008 | N/A |
| 0.5833 | FALSE | TRUE | TRUE | finn-b-I9_CVD | 19 | 45430280 | 0.008 | N/A |
| 0.4427 | FALSE | TRUE | TRUE | finn-b-I9_CVD | 11 | 66074483 | 0.0078 | N/A |
| 0.4142 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 5 | 173324971 | 0.0078 | N/A |
| 0.2147 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 20 | 45599090 | 0.0094 | N/A |
| 0.1633 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 10 | 114042643 | 0.0104 | N/A |
| 0.1963 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 14 | 23733114 | 0.0097 | N/A |
| 0.4842 | FALSE | TRUE | TRUE | finn-b-I9_CVD | 22 | 36012864 | 0.0077 | N/A |
| 0.8548 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 9 | 15305378 | 0.011 | N/A |
| 0.06423 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 19 | 19379549 | 0.0157 | N/A |
| 0.1829 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 20 | 38547459 | 0.01 | N/A |
| 0.176 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 20 | 44551855 | 0.0101 | N/A |
| 0.2187 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 17 | 65892343 | 0.0093 | N/A |
| 0.00735 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 117052532 | 0.0455 | N/A |
| 0.1154 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 1 | 221001142 | 0.0121 | N/A |
| 0.1056 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 116596309 | 0.0126 | N/A |
| 0.08221 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 14 | 100765823 | 0.0141 | N/A |
| 0.2879 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 19 | 33891013 | 0.0085 | N/A |
| 0.4336 | FALSE | TRUE | TRUE | finn-b-I9_CVD | 19 | 7220013 | 0.0078 | N/A |
| 0.1707 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 19 | 48341814 | 0.0103 | N/A |
| 0.4304 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 50731010 | 0.0078 | N/A |
| 0.04403 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 3 | 150066540 | 0.0189 | N/A |
| 0.4111 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 3 | 156810578 | 0.0079 | N/A |
| 0.2465 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 5 | 176750688 | 0.009 | N/A |
| 0.3753 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 107437166 | 0.008 | N/A |
| 0.06707 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 7 | 130583442 | 0.0156 | N/A |
| 0.4507 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 161340270 | 0.0078 | N/A |
| 0.1053 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 18 | 289209 | 0.0127 | N/A |
| 0.3641 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 21 | 40553845 | 0.008 | N/A |
| 0.6975 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 4 | 100054827 | 0.0084 | N/A |
| 0.5097 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 13 | 74188935 | 0.0077 | N/A |
| 0.2695 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 14 | 52480621 | 0.0087 | N/A |
| 0.4565 | FALSE | TRUE | TRUE | finn-b-I9_CVD | 2 | 37095139 | 0.0077 | N/A |
| 0.2662 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 21231524 | 0.0087 | N/A |
| 0.5425 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 3 | 24520283 | 0.0079 | N/A |
| 0.1912 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 12 | 21343886 | 0.0098 | N/A |
| 0.9032 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 3 | 52516293 | 0.0131 | N/A |
| 0.4262 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 3 | 69879670 | 0.0078 | N/A |
| 0.8482 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 3 | 135956305 | 0.0108 | N/A |
| 0.667 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 5 | 156390297 | 0.0082 | N/A |
| 0.502 | FALSE | TRUE | TRUE | finn-b-I9_CVD | 6 | 127435106 | 0.0077 | N/A |
| 0.3199 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 9 | 86583076 | 0.0083 | N/A |
| 0.1813 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 1 | 93836218 | 0.01 | N/A |
| 0.458 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 126475770 | 0.0077 | N/A |
| 0.01907 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 8 | 19873502 | 0.0282 | N/A |
| 0.1982 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 10 | 81096071 | 0.0097 | N/A |
| 0.408 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 12 | 20473758 | 0.0079 | N/A |
| 0.2983 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 12 | 22765676 | 0.0084 | N/A |
| 0.2801 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 13 | 114544024 | 0.0086 | N/A |
| 0.09772 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 7 | 1010801 | 0.0131 | N/A |
| 0.07771 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 4 | 18034463 | 0.0144 | N/A |
| 0.07891 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 17 | 17458353 | 0.0142 | N/A |
| 0.4938 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 18 | 21120035 | 0.0077 | N/A |
| 0.1758 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 5 | 153800513 | 0.0101 | N/A |
| 0.02292 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 7 | 73123473 | 0.026 | N/A |
| 0.2319 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 7 | 75806299 | 0.0092 | N/A |
| 0.1277 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 5 | 55783832 | 0.0115 | N/A |
| 0.5919 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 20 | 56113783 | 0.0078 | N/A |

| | | | | | | | | |
|----------|-------|-------|-------|---------------|----|-----------|--------|-----|
| 0.06778 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 28489549 | 0.0153 | N/A |
| 0.697 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 43804571 | 0.0085 | N/A |
| 0.3183 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 160562481 | 0.0083 | N/A |
| 0.2431 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 12 | 6706744 | 0.009 | N/A |
| 0.1391 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 3 | 142110818 | 0.0111 | N/A |
| 0.2744 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 13 | 114524944 | 0.0086 | N/A |
| 0.07761 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 1 | 61705898 | 0.0144 | N/A |
| 0.3403 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 16 | 960725 | 0.0082 | N/A |
| 0.5966 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 59313974 | 0.0078 | N/A |
| 0.09421 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 18301915 | 0.0132 | N/A |
| 0.01283 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 19871080 | 0.0343 | N/A |
| 0.04767 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 12 | 62787720 | 0.0182 | N/A |
| 0.06115 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 161004972 | 0.0162 | N/A |
| 0.7548 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 5 | 90255685 | 0.009 | N/A |
| 0.273 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 5 | 112490629 | 0.0087 | N/A |
| 0.1776 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 7 | 72139093 | 0.0101 | N/A |
| 0.0823 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 2 | 219699999 | 0.0141 | N/A |
| 0.6227 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 9 | 13723175 | 0.0079 | N/A |
| 0.09174 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 116598065 | 0.0133 | N/A |
| 0.2193 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 7249460 | 0.0093 | N/A |
| 0.7187 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 9 | 123375589 | 0.0086 | N/A |
| 0.006433 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 8 | 19662937 | 0.0485 | N/A |
| 0.04164 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 3 | 172294500 | 0.0196 | N/A |
| 0.04365 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 116902639 | 0.019 | N/A |
| 0.5376 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 11 | 13356030 | 0.0077 | N/A |
| 0.01284 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 10 | 52373245 | 0.035 | N/A |
| 0.4762 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 19 | 57488423 | 0.0077 | N/A |
| 0.509 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 20 | 62712053 | 0.0078 | N/A |
| 0.1268 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 7 | 5574239 | 0.0118 | N/A |
| 0.522 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 18 | 19911690 | 0.0077 | N/A |
| 0.1951 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 18 | 57861663 | 0.0097 | N/A |
| 0.6324 | FALSE | TRUE | TRUE | finn-b-I9_CVD | 6 | 27303745 | 0.0081 | N/A |
| 0.2052 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 140611419 | 0.0095 | N/A |
| 0.5586 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 1 | 172355276 | 0.0078 | N/A |
| 0.2643 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 1 | 62904575 | 0.0087 | N/A |
| 0.8609 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 6 | 109189021 | 0.0112 | N/A |
| 0.1926 | FALSE | TRUE | FALSE | finn-b-I9_CVD | 2 | 121309231 | 0.0098 | N/A |
| 0.3813 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 13 | 95253131 | 0.0079 | N/A |
| 0.3362 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 13 | 99245866 | 0.0082 | N/A |
| 0.2007 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 5 | 140888248 | 0.0096 | N/A |
| 0.3745 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 3 | 37025661 | 0.008 | N/A |
| 0.7656 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 17 | 73364216 | 0.0091 | N/A |
| 0.7454 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 17 | 7440984 | 0.0089 | N/A |
| 0.4824 | FALSE | FALSE | FALSE | finn-b-I9_CVD | 6 | 43757896 | 0.0078 | N/A |

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

| target_a1.outcome | target_a2.outcome | proxy_a1.outcome | proxy_a2.outcome | chr.exposure | pos.exposure | se.exposure | pval.exposure | samplesize.exposure |
|-------------------|-------------------|------------------|------------------|--------------|--------------|-------------|---------------|---------------------|
| All | All | All | All | All | All | All | All | |
| NA | NA | NA | NA | | 2 | 65276049 | 0.00200785 | 3.40E-20 NA |
| NA | NA | NA | NA | | 15 | 101890913 | 0.00204778 | 4.00E-11 NA |
| NA | NA | NA | NA | | 2 | 28646847 | 0.00292788 | 2.00E-15 NA |
| NA | NA | NA | NA | | 7 | 17920613 | 0.00202877 | 7.00E-15 NA |
| NA | NA | NA | NA | | 7 | 17284989 | 0.00308015 | 1.70E-08 NA |
| NA | NA | NA | NA | | 15 | 102068658 | 0.00229153 | 5.70E-14 NA |
| NA | NA | NA | NA | | 19 | 33728001 | 0.00201995 | 6.20E-11 NA |
| NA | NA | NA | NA | | 1 | 230416399 | 0.00201517 | 3.40E-13 NA |
| NA | NA | NA | NA | | 1 | 149871905 | 0.00362188 | 8.30E-12 NA |
| NA | NA | NA | NA | | 5 | 118729286 | 0.00224699 | 3.20E-20 NA |
| NA | NA | NA | NA | | 3 | 170727218 | 0.00334924 | 1.40E-13 NA |
| NA | NA | NA | NA | | 11 | 65473798 | 0.00218742 | 7.80E-19 NA |
| NA | NA | NA | NA | | 12 | 123736084 | 0.0021148 | 1.70E-12 NA |
| NA | NA | NA | NA | | 12 | 124506631 | 0.00203691 | 4.10E-46 NA |
| NA | NA | NA | NA | | 17 | 46197755 | 0.00232578 | 6.60E-19 NA |
| NA | NA | NA | NA | | 15 | 58723426 | 0.00240452 | 2.20E-86 NA |
| NA | NA | NA | NA | | 9 | 92202495 | 0.00200465 | 4.60E-15 NA |
| NA | NA | NA | NA | | 9 | 22134253 | 0.0026291 | 4.60E-09 NA |
| NA | NA | NA | NA | | 10 | 65124098 | 0.00199059 | 9.70E-59 NA |
| NA | NA | NA | NA | | 10 | 99793865 | 0.00200472 | 5.50E-13 NA |
| NA | NA | NA | NA | | 11 | 78105879 | 0.00269347 | 2.70E-10 NA |
| NA | NA | NA | NA | | 10 | 74711376 | 0.00231748 | 1.50E-10 NA |
| NA | NA | NA | NA | | 11 | 27694835 | 0.00225693 | 1.20E-12 NA |
| NA | NA | NA | NA | | 17 | 1618363 | 0.0025513 | 5.70E-14 NA |
| NA | NA | NA | NA | | 4 | 157682598 | 0.00237585 | 1.50E-11 NA |
| NA | NA | NA | NA | | 1 | 219637671 | 0.00202011 | 1.10E-21 NA |
| NA | NA | NA | NA | | 1 | 230301811 | 0.0020373 | 1.30E-123 NA |
| NA | NA | NA | NA | | 3 | 196187927 | 0.00223848 | 1.60E-08 NA |
| NA | NA | NA | NA | | 10 | 94248310 | 0.00200546 | 6.40E-09 NA |
| NA | NA | NA | NA | | 1 | 40048009 | 0.00237577 | 6.10E-26 NA |
| NA | NA | NA | NA | | 17 | 41388250 | 0.00400864 | 7.50E-09 NA |
| NA | NA | NA | NA | | 1 | 205070573 | 0.00202953 | 2.30E-11 NA |
| NA | NA | NA | NA | | 10 | 134459388 | 0.00239759 | 9.80E-09 NA |
| NA | NA | NA | NA | | 1 | 27021913 | 0.00663594 | 6.30E-35 NA |
| NA | NA | NA | NA | | 11 | 14797227 | 0.00458644 | 2.10E-12 NA |
| NA | NA | NA | NA | | 15 | 40387971 | 0.00224251 | 2.00E-08 NA |
| NA | NA | NA | NA | | 18 | 2846812 | 0.00210816 | 2.40E-09 NA |
| NA | NA | NA | NA | | 19 | 8429323 | 0.00721009 | 1.00E-200 NA |
| NA | NA | NA | NA | | 4 | 77396854 | 0.00199093 | 8.90E-11 NA |
| NA | NA | NA | NA | | 12 | 4328521 | 0.0086122 | 1.80E-17 NA |
| NA | NA | NA | NA | | 11 | 15090794 | 0.00614684 | 1.40E-10 NA |
| NA | NA | NA | NA | | 11 | 380315 | 0.00528225 | 1.70E-08 NA |
| NA | NA | NA | NA | | 17 | 42355095 | 0.00537977 | 6.50E-09 NA |
| NA | NA | NA | NA | | 5 | 55990342 | 0.00207937 | 2.70E-09 NA |
| NA | NA | NA | NA | | 2 | 119745127 | 0.00692419 | 3.00E-09 NA |
| NA | NA | NA | NA | | 17 | 47407071 | 0.00199898 | 1.80E-18 NA |
| NA | NA | NA | NA | | 12 | 107186747 | 0.00235346 | 4.50E-16 NA |
| NA | NA | NA | NA | | 15 | 61960302 | 0.00229294 | 2.20E-12 NA |
| NA | NA | NA | NA | | 16 | 56987015 | 0.00213589 | 3.50E-55 NA |
| NA | NA | NA | NA | | 2 | 227232047 | 0.00225386 | 5.20E-10 NA |
| NA | NA | NA | NA | | 4 | 39646631 | 0.00252148 | 1.40E-09 NA |
| NA | NA | NA | NA | | 7 | 106632113 | 0.00201682 | 1.80E-09 NA |
| NA | NA | NA | NA | | 7 | 32262377 | 0.00205405 | 7.90E-09 NA |
| NA | NA | NA | NA | | 14 | 64236191 | 0.00273647 | 1.80E-14 NA |
| NA | NA | NA | NA | | 15 | 41915522 | 0.00214533 | 1.70E-09 NA |

| | | | | | | | |
|----|----|----|----|----|-----------|------------|--------------|
| NA | NA | NA | NA | 17 | 57906288 | 0.00218669 | 1.90E-10 NA |
| NA | NA | NA | NA | 16 | 88004092 | 0.0020014 | 2.70E-10 NA |
| NA | NA | NA | NA | 16 | 15150505 | 0.00218133 | 2.90E-38 NA |
| NA | NA | NA | NA | 17 | 464962 | 0.00251214 | 3.20E-08 NA |
| NA | NA | NA | NA | 3 | 87037543 | 0.00347278 | 1.00E-10 NA |
| NA | NA | NA | NA | 4 | 103188709 | 0.00377743 | 1.70E-15 NA |
| NA | NA | NA | NA | 4 | 3443931 | 0.00205811 | 9.70E-50 NA |
| NA | NA | NA | NA | 4 | 89704367 | 0.00203847 | 1.90E-13 NA |
| NA | NA | NA | NA | 5 | 78531337 | 0.00202974 | 7.00E-13 NA |
| NA | NA | NA | NA | 8 | 18214065 | 0.00276507 | 8.00E-12 NA |
| NA | NA | NA | NA | 8 | 72459889 | 0.0036804 | 2.00E-21 NA |
| NA | NA | NA | NA | 5 | 157925297 | 0.00201429 | 1.90E-14 NA |
| NA | NA | NA | NA | 2 | 165528876 | 0.00202704 | 6.60E-77 NA |
| NA | NA | NA | NA | 13 | 29145323 | 0.00209472 | 6.30E-09 NA |
| NA | NA | NA | NA | 22 | 28807625 | 0.00211111 | 3.40E-08 NA |
| NA | NA | NA | NA | 4 | 124743259 | 0.00231385 | 1.90E-09 NA |
| NA | NA | NA | NA | 6 | 72522321 | 0.00791884 | 2.60E-09 NA |
| NA | NA | NA | NA | 15 | 44027885 | 0.00623867 | 2.20E-116 NA |
| NA | NA | NA | NA | 10 | 5267191 | 0.00275296 | 1.60E-16 NA |
| G | A | G | A | 22 | 24335977 | 0.00200841 | 4.00E-11 NA |
| NA | NA | NA | NA | 2 | 171583876 | 0.00210534 | 1.20E-09 NA |
| NA | NA | NA | NA | 16 | 921179 | 0.00735364 | 3.90E-08 NA |
| NA | NA | NA | NA | 17 | 41809207 | 0.0063668 | 3.40E-103 NA |
| NA | NA | NA | NA | 2 | 20368519 | 0.00198519 | 6.90E-20 NA |
| NA | NA | NA | NA | 4 | 110766064 | 0.00710636 | 5.70E-11 NA |
| NA | NA | NA | NA | 20 | 32188142 | 0.00276509 | 9.10E-10 NA |
| C | A | T | C | 13 | 31007805 | 0.0022259 | 1.50E-12 NA |
| NA | NA | NA | NA | 2 | 27744937 | 0.00847063 | 2.40E-09 NA |
| NA | NA | NA | NA | 11 | 116603816 | 0.0122924 | 1.40E-119 NA |
| NA | NA | NA | NA | 15 | 57023457 | 0.00484966 | 1.60E-11 NA |
| NA | NA | NA | NA | 11 | 116697081 | 0.00427544 | 2.50E-19 NA |
| NA | NA | NA | NA | 8 | 19972140 | 0.00963178 | 4.40E-26 NA |
| NA | NA | NA | NA | 20 | 569164 | 0.00815144 | 1.50E-10 NA |
| NA | NA | NA | NA | 8 | 10677981 | 0.00248513 | 7.60E-22 NA |
| NA | NA | NA | NA | 9 | 1033773 | 0.00216358 | 7.40E-12 NA |
| NA | NA | NA | NA | 15 | 63792486 | 0.00201039 | 1.10E-27 NA |
| NA | NA | NA | NA | 2 | 48962291 | 0.00233365 | 7.80E-14 NA |
| NA | NA | NA | NA | 6 | 139835498 | 0.00201656 | 1.30E-45 NA |
| NA | NA | NA | NA | 1 | 154259650 | 0.00218442 | 1.50E-20 NA |
| NA | NA | NA | NA | 7 | 44199142 | 0.00273953 | 3.70E-19 NA |
| NA | NA | NA | NA | 17 | 64210580 | 0.00577722 | 2.40E-30 NA |
| NA | NA | NA | NA | 6 | 161162290 | 0.00654659 | 2.20E-09 NA |
| NA | NA | NA | NA | 6 | 161111700 | 0.00828522 | 2.40E-36 NA |
| NA | NA | NA | NA | 19 | 19396616 | 0.00913128 | 5.90E-49 NA |
| NA | NA | NA | NA | 5 | 130672958 | 0.00529922 | 4.90E-10 NA |
| NA | NA | NA | NA | 1 | 98478981 | 0.00267054 | 2.00E-15 NA |
| NA | NA | NA | NA | 15 | 58680954 | 0.00204157 | 1.90E-51 NA |
| NA | NA | NA | NA | 10 | 94839642 | 0.00199589 | 3.20E-57 NA |
| NA | NA | NA | NA | 14 | 24545375 | 0.00203413 | 2.80E-08 NA |
| NA | NA | NA | NA | 22 | 38879010 | 0.00209671 | 7.30E-15 NA |
| NA | NA | NA | NA | 19 | 49263477 | 0.00207674 | 6.30E-25 NA |
| NA | NA | NA | NA | 8 | 59388565 | 0.00209126 | 7.60E-36 NA |
| NA | NA | NA | NA | 20 | 39858545 | 0.00199323 | 6.80E-12 NA |
| NA | NA | NA | NA | 1 | 40435999 | 0.00222753 | 2.50E-08 NA |
| NA | NA | NA | NA | 9 | 95283887 | 0.00268396 | 1.00E-10 NA |
| NA | NA | NA | NA | 1 | 54877103 | 0.00207578 | 5.50E-14 NA |
| NA | NA | NA | NA | 3 | 188439236 | 0.00208003 | 1.60E-08 NA |
| NA | NA | NA | NA | 18 | 70517838 | 0.00330375 | 2.10E-08 NA |

| | | | | | | | | |
|----|----|----|----|----|-----------|------------|-----------|----|
| NA | NA | NA | NA | 4 | 55535336 | 0.00204019 | 8.30E-12 | NA |
| NA | NA | NA | NA | 7 | 72856269 | 0.00301848 | 1.00E-200 | NA |
| NA | NA | NA | NA | 14 | 71541026 | 0.00215234 | 1.60E-09 | NA |
| NA | NA | NA | NA | 9 | 107661129 | 0.00306133 | 1.20E-18 | NA |
| NA | NA | NA | NA | 22 | 38600542 | 0.00202145 | 1.40E-26 | NA |
| NA | NA | NA | NA | 11 | 64021821 | 0.00349051 | 8.00E-36 | NA |
| NA | NA | NA | NA | 17 | 4692559 | 0.0028501 | 1.50E-08 | NA |
| NA | NA | NA | NA | 19 | 35556300 | 0.0039744 | 1.20E-12 | NA |
| NA | NA | NA | NA | 2 | 219184275 | 0.00204919 | 4.80E-11 | NA |
| NA | NA | NA | NA | 8 | 37399290 | 0.00581961 | 5.40E-09 | NA |
| NA | NA | NA | NA | 10 | 113937941 | 0.00222084 | 1.60E-16 | NA |
| NA | NA | NA | NA | 7 | 26394297 | 0.00203748 | 5.10E-23 | NA |
| NA | NA | NA | NA | 15 | 39444679 | 0.00275263 | 2.90E-10 | NA |
| NA | NA | NA | NA | 4 | 40428010 | 0.00229058 | 3.90E-08 | NA |
| NA | NA | NA | NA | 13 | 50707087 | 0.00696323 | 3.50E-12 | NA |
| NA | NA | NA | NA | 6 | 32587213 | 0.00204671 | 1.50E-76 | NA |
| NA | NA | NA | NA | 8 | 64664690 | 0.00226754 | 2.70E-08 | NA |
| NA | NA | NA | NA | 16 | 4488191 | 0.00211672 | 1.20E-14 | NA |
| NA | NA | NA | NA | 6 | 31303922 | 0.00276364 | 1.10E-18 | NA |
| NA | NA | NA | NA | 6 | 31303922 | 0.00276364 | 1.10E-18 | NA |
| NA | NA | NA | NA | 16 | 81534790 | 0.00217095 | 8.50E-50 | NA |
| NA | NA | NA | NA | 16 | 69862109 | 0.00212336 | 8.10E-18 | NA |
| NA | NA | NA | NA | 2 | 227099180 | 0.00207151 | 2.90E-84 | NA |
| NA | NA | NA | NA | 6 | 97029871 | 0.00242177 | 1.20E-08 | NA |
| NA | NA | NA | NA | 8 | 19817476 | 0.00698442 | 2.60E-115 | NA |
| NA | NA | NA | NA | 3 | 12473045 | 0.00236652 | 1.10E-17 | NA |
| NA | NA | NA | NA | 1 | 118143517 | 0.00214567 | 5.20E-09 | NA |
| NA | NA | NA | NA | 5 | 103995368 | 0.00204042 | 8.60E-09 | NA |
| NA | NA | NA | NA | 11 | 47259668 | 0.00215698 | 1.40E-31 | NA |
| NA | NA | NA | NA | 8 | 19810787 | 0.00361052 | 1.00E-200 | NA |
| NA | NA | NA | NA | 16 | 72096227 | 0.00326987 | 5.80E-25 | NA |
| NA | NA | NA | NA | 12 | 46215895 | 0.00435137 | 6.20E-11 | NA |
| NA | NA | NA | NA | 1 | 203511492 | 0.00198554 | 1.10E-10 | NA |
| NA | NA | NA | NA | 2 | 203431804 | 0.00303176 | 5.10E-13 | NA |
| NA | NA | NA | NA | 10 | 17268839 | 0.00201767 | 3.50E-08 | NA |
| NA | NA | NA | NA | 4 | 87985166 | 0.00203602 | 5.80E-62 | NA |
| NA | NA | NA | NA | 8 | 116670347 | 0.00220342 | 1.20E-09 | NA |
| NA | NA | NA | NA | 16 | 29994922 | 0.00199657 | 8.70E-14 | NA |
| NA | NA | NA | NA | 2 | 3642361 | 0.00260304 | 3.50E-14 | NA |
| NA | NA | NA | NA | 21 | 46582100 | 0.00200285 | 2.40E-08 | NA |
| NA | NA | NA | NA | 11 | 49161967 | 0.00253125 | 2.80E-10 | NA |
| NA | NA | NA | NA | 2 | 165467068 | 0.00199472 | 8.10E-09 | NA |
| NA | NA | NA | NA | 6 | 20486798 | 0.00254235 | 9.00E-14 | NA |
| NA | NA | NA | NA | 7 | 116486020 | 0.00201492 | 8.20E-14 | NA |
| NA | NA | NA | NA | 22 | 46613852 | 0.00243701 | 3.20E-13 | NA |
| NA | NA | NA | NA | 16 | 85198965 | 0.00396699 | 1.50E-08 | NA |
| NA | NA | NA | NA | 2 | 27598097 | 0.00203577 | 1.00E-200 | NA |
| NA | NA | NA | NA | 2 | 242395674 | 0.00201176 | 1.50E-12 | NA |
| NA | NA | NA | NA | 7 | 130430930 | 0.00198921 | 2.70E-60 | NA |
| NA | NA | NA | NA | 12 | 57766392 | 0.00232488 | 1.00E-33 | NA |
| NA | NA | NA | NA | 12 | 69732105 | 0.00199376 | 2.00E-12 | NA |
| NA | NA | NA | NA | 12 | 124478637 | 0.0021456 | 9.70E-32 | NA |
| NA | NA | NA | NA | 11 | 116525730 | 0.00371974 | 1.00E-200 | NA |
| NA | NA | NA | NA | 19 | 45416178 | 0.00234474 | 1.00E-200 | NA |
| NA | NA | NA | NA | 19 | 7957481 | 0.00218517 | 4.00E-10 | NA |
| NA | NA | NA | NA | 8 | 11517977 | 0.00200093 | 1.40E-34 | NA |
| NA | NA | NA | NA | 17 | 76391454 | 0.00203649 | 2.80E-18 | NA |
| NA | NA | NA | NA | 5 | 67714246 | 0.00205178 | 4.30E-18 | NA |

| | | | | | | | |
|----|----|----|----|----|-----------|------------|--------------|
| NA | NA | NA | NA | 11 | 30504660 | 0.00208902 | 1.70E-08 NA |
| NA | NA | NA | NA | 19 | 45430280 | 0.00213412 | 1.00E-200 NA |
| NA | NA | NA | NA | 11 | 66074483 | 0.00199178 | 4.90E-13 NA |
| NA | NA | NA | NA | 5 | 173324971 | 0.00217016 | 1.90E-08 NA |
| NA | NA | NA | NA | 20 | 45599090 | 0.00221245 | 7.10E-16 NA |
| NA | NA | NA | NA | 10 | 114042643 | 0.00257608 | 1.10E-11 NA |
| NA | NA | NA | NA | 14 | 23733114 | 0.0025129 | 1.70E-09 NA |
| NA | NA | NA | NA | 22 | 36012864 | 0.00200343 | 3.00E-09 NA |
| NA | NA | NA | NA | 9 | 15305378 | 0.00258442 | 1.10E-11 NA |
| NA | NA | NA | NA | 19 | 19379549 | 0.00378074 | 5.30E-164 NA |
| NA | NA | NA | NA | 20 | 38547459 | 0.00228302 | 2.00E-08 NA |
| NA | NA | NA | NA | 20 | 44551855 | 0.00249344 | 1.60E-110 NA |
| NA | NA | NA | NA | 17 | 65892343 | 0.00270829 | 4.80E-20 NA |
| NA | NA | NA | NA | 11 | 117052532 | 0.00752135 | 1.10E-13 NA |
| NA | NA | NA | NA | 1 | 221001142 | 0.00337913 | 1.80E-17 NA |
| NA | NA | NA | NA | 11 | 116596309 | 0.00379494 | 1.00E-200 NA |
| NA | NA | NA | NA | 14 | 100765823 | 0.00373997 | 3.90E-10 NA |
| NA | NA | NA | NA | 19 | 33891013 | 0.00220142 | 3.90E-20 NA |
| NA | NA | NA | NA | 19 | 7220013 | 0.00200786 | 5.60E-22 NA |
| NA | NA | NA | NA | 19 | 48341814 | 0.00257782 | 7.40E-10 NA |
| NA | NA | NA | NA | 2 | 50731010 | 0.00207507 | 1.50E-08 NA |
| NA | NA | NA | NA | 3 | 150066540 | 0.00426588 | 7.80E-23 NA |
| NA | NA | NA | NA | 3 | 156810578 | 0.00202424 | 2.30E-09 NA |
| NA | NA | NA | NA | 5 | 176750688 | 0.00239634 | 3.90E-10 NA |
| NA | NA | NA | NA | 6 | 107437166 | 0.00213196 | 4.20E-10 NA |
| NA | NA | NA | NA | 7 | 130583442 | 0.00380118 | 2.80E-08 NA |
| NA | NA | NA | NA | 2 | 161340270 | 0.00198007 | 3.80E-08 NA |
| NA | NA | NA | NA | 18 | 289209 | 0.00383903 | 2.50E-09 NA |
| NA | NA | NA | NA | 21 | 40553845 | 0.00199242 | 9.40E-11 NA |
| NA | NA | NA | NA | 4 | 100054827 | 0.00216353 | 1.80E-10 NA |
| NA | NA | NA | NA | 13 | 74188935 | 0.00201057 | 2.00E-09 NA |
| NA | NA | NA | NA | 14 | 52480621 | 0.00224899 | 2.90E-08 NA |
| NA | NA | NA | NA | 2 | 37095139 | 0.00200389 | 6.10E-12 NA |
| NA | NA | NA | NA | 2 | 21231524 | 0.00244968 | 7.10E-198 NA |
| NA | NA | NA | NA | 3 | 24520283 | 0.00221886 | 6.20E-12 NA |
| NA | NA | NA | NA | 12 | 21343886 | 0.00297454 | 8.30E-24 NA |
| NA | NA | NA | NA | 3 | 52516293 | 0.00253832 | 5.30E-32 NA |
| NA | NA | NA | NA | 3 | 69879670 | 0.00200571 | 4.50E-08 NA |
| NA | NA | NA | NA | 3 | 135956305 | 0.00234718 | 2.50E-35 NA |
| NA | NA | NA | NA | 5 | 156390297 | 0.00206122 | 4.90E-58 NA |
| NA | NA | NA | NA | 6 | 127435106 | 0.0019907 | 4.20E-41 NA |
| NA | NA | NA | NA | 9 | 86583076 | 0.00228763 | 7.50E-19 NA |
| NA | NA | NA | NA | 1 | 93836218 | 0.00256302 | 9.20E-13 NA |
| NA | NA | NA | NA | 8 | 126475770 | 0.00198061 | 1.00E-200 NA |
| NA | NA | NA | NA | 8 | 19873502 | 0.00584159 | 8.00E-121 NA |
| NA | NA | NA | NA | 10 | 81096071 | 0.00250611 | 1.40E-08 NA |
| NA | NA | NA | NA | 12 | 20473758 | 0.00200504 | 1.20E-17 NA |
| NA | NA | NA | NA | 12 | 22765676 | 0.00221197 | 4.10E-08 NA |
| NA | NA | NA | NA | 13 | 114544024 | 0.00217811 | 1.20E-38 NA |
| NA | NA | NA | NA | 7 | 1010801 | 0.00303718 | 6.20E-09 NA |
| NA | NA | NA | NA | 4 | 18034463 | 0.00291753 | 1.10E-19 NA |
| NA | NA | NA | NA | 17 | 17458353 | 0.00410062 | 2.30E-21 NA |
| NA | NA | NA | NA | 18 | 21120035 | 0.00199133 | 6.80E-16 NA |
| NA | NA | NA | NA | 5 | 153800513 | 0.00261808 | 6.40E-09 NA |
| NA | NA | NA | NA | 7 | 73123473 | 0.0046178 | 1.70E-45 NA |
| C | A | A | G | 7 | 75647167 | 0.00213684 | 4.60E-09 NA |
| NA | NA | NA | NA | 5 | 55783832 | 0.00281241 | 3.20E-12 NA |
| NA | NA | NA | NA | 20 | 56113783 | 0.00202919 | 3.80E-15 NA |

| | | | | | | | |
|----|----|----|----|----|-----------|------------|--------------|
| NA | NA | NA | NA | 2 | 28489549 | 0.00416714 | 2.60E-10 NA |
| NA | NA | NA | NA | 6 | 43804571 | 0.00221435 | 9.50E-16 NA |
| NA | NA | NA | NA | 6 | 160562481 | 0.00231292 | 2.00E-09 NA |
| NA | NA | NA | NA | 12 | 6706744 | 0.00256911 | 5.30E-09 NA |
| G | C | C | T | 3 | 142110644 | 0.00295427 | 1.90E-08 NA |
| NA | NA | NA | NA | 13 | 114524944 | 0.00236663 | 3.60E-09 NA |
| NA | NA | NA | NA | 1 | 61705898 | 0.00393658 | 2.10E-10 NA |
| NA | NA | NA | NA | 16 | 960725 | 0.00205112 | 2.50E-12 NA |
| NA | NA | NA | NA | 2 | 59313974 | 0.00203065 | 1.20E-09 NA |
| NA | NA | NA | NA | 11 | 18301915 | 0.0035798 | 6.80E-09 NA |
| NA | NA | NA | NA | 8 | 19871080 | 0.0100401 | 1.60E-87 NA |
| NA | NA | NA | NA | 12 | 62787720 | 0.00361206 | 2.50E-08 NA |
| NA | NA | NA | NA | 6 | 161004972 | 0.00379997 | 1.80E-32 NA |
| NA | NA | NA | NA | 5 | 90255685 | 0.00224582 | 2.30E-12 NA |
| NA | NA | NA | NA | 5 | 112490629 | 0.00236622 | 4.40E-09 NA |
| NA | NA | NA | NA | 7 | 72139093 | 0.00265352 | 7.60E-10 NA |
| NA | NA | NA | NA | 2 | 219699999 | 0.00510649 | 1.70E-57 NA |
| NA | NA | NA | NA | 9 | 13723175 | 0.00202626 | 1.00E-08 NA |
| NA | NA | NA | NA | 11 | 116598065 | 0.00439863 | 1.20E-66 NA |
| NA | NA | NA | NA | 6 | 7249460 | 0.0026035 | 2.50E-09 NA |
| NA | NA | NA | NA | 9 | 123375589 | 0.00216741 | 1.80E-08 NA |
| NA | NA | NA | NA | 8 | 19662937 | 0.00758596 | 2.00E-24 NA |
| NA | NA | NA | NA | 3 | 172294500 | 0.00600435 | 7.20E-17 NA |
| NA | NA | NA | NA | 11 | 116902639 | 0.00476453 | 1.20E-09 NA |
| NA | NA | NA | NA | 11 | 13356030 | 0.00214074 | 1.40E-19 NA |
| NA | NA | NA | NA | 10 | 52373245 | 0.00669008 | 8.00E-12 NA |
| NA | NA | NA | NA | 19 | 57488423 | 0.00201474 | 9.40E-10 NA |
| T | C | C | T | 20 | 62711459 | 0.00199681 | 2.40E-16 NA |
| NA | NA | NA | NA | 7 | 5574239 | 0.00245601 | 1.60E-10 NA |
| NA | NA | NA | NA | 18 | 19911690 | 0.00202516 | 1.80E-11 NA |
| NA | NA | NA | NA | 18 | 57861663 | 0.00225602 | 4.00E-12 NA |
| NA | NA | NA | NA | 6 | 27303745 | 0.00198801 | 1.80E-09 NA |
| NA | NA | NA | NA | 6 | 140611419 | 0.00246511 | 3.20E-10 NA |
| NA | NA | NA | NA | 1 | 172355276 | 0.00200182 | 6.20E-12 NA |
| NA | NA | NA | NA | 1 | 62904575 | 0.00207793 | 1.00E-200 NA |
| NA | NA | NA | NA | 6 | 109189021 | 0.0024101 | 1.30E-11 NA |
| NA | NA | NA | NA | 2 | 121309231 | 0.00227424 | 1.60E-11 NA |
| NA | NA | NA | NA | 13 | 95253131 | 0.00214481 | 6.50E-15 NA |
| NA | NA | NA | NA | 13 | 99245866 | 0.00210377 | 4.30E-09 NA |
| NA | NA | NA | NA | 5 | 140888248 | 0.00243455 | 2.60E-11 NA |
| NA | NA | NA | NA | 3 | 37025661 | 0.00199656 | 2.90E-09 NA |
| NA | NA | NA | NA | 17 | 73364216 | 0.00222926 | 3.60E-08 NA |
| NA | NA | NA | NA | 17 | 7440984 | 0.00238645 | 2.10E-10 NA |
| NA | NA | NA | NA | 6 | 43757896 | 0.00198999 | 2.20E-90 NA |

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]