**Supplemental Digital Content 4**

List of all Single Nucleotide Polymorphisms from the genomic pool assay with the calculated p < 0.0001 (by combined Z-statistics) and for the allelic frequency difference between the control and postoperative nausea and vomiting group, as ranked by the value of -(logP)). Bold type and stars indicate Single Nucleotide Polymorphisms (and/or its proxies) genotyped in the individual DNA samples

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SNP** | **Chr** | **Position** | **Control allelic frequency**  **(b allele)** | **Control**  **SD** | **PONV**  **allelic**  **frequency**  **(b allele)** | **Nausea and vomiting**  **SD** | **Difference in**  **allelic frequency**  **between groups** | **Tcomb** | **-LogP** | | |
| **rs2355230\*** | **1** | **237851788** | 0.103 | 0.021 | 0.338 | 0.034 | 0.235 | 36.76 | | 9.038 |
| **rs3218315\*** | **22** | **35859670** | 0.848 | 0.03 | 0.611 | 0.025 | 0.237 | 33.188 | | 8.201 |
| **rs2891225\*** | **14** | **32415383** | 0.591 | 0.035 | 0.832 | 0.03 | 0.241 | 32.373 | | 8.01 |
| **rs2188133\*** | **X** | **113272752** | 0.597 | 0.037 | 0.829 | 0.02 | 0.232 | 30.841 | | 7.65 |
| **rs13210693\*** | **6** | **109705657** | 0.333 | 0.016 | 0.58 | 0.025 | 0.246 | 30.511 | | 7.573 |
| **rs4522846\*** | **4** | **150290046** | 0.489 | 0.022 | 0.73 | 0.024 | 0.241 | 30.041 | | 7.463 |
| rs6939913 | 6 | 12197891 | 0.451 | 0.027 | 0.22 | 0.018 | 0.231 | 29.594 | | 7.358 |
| rs918642 | 5 | 36739410 | 0.845 | 0.022 | 0.626 | 0.025 | 0.218 | 29.266 | | 7.281 |
| rs3848999 | 8 | 13219316 | 0.649 | 0.027 | 0.407 | 0.027 | 0.242 | 28.241 | | 7.041 |
| rs11802794 | 1 | 195638873 | 0.667 | 0.034 | 0.875 | 0.026 | 0.208 | 27.867 | | 6.953 |
| **rs9374013\*** | **6** | **108488040** | 0.843 | 0.012 | 0.639 | 0.013 | 0.204 | 27.543 | | 6.878 |
| **rs11654663\*** | **17** | **62819767** | 0.358 | 0.029 | 0.151 | 0.019 | 0.208 | 27.347 | | 6.832 |
| **rs12470772\*** | **2** | **161483735** | 0.754 | 0.034 | 0.52 | 0.029 | 0.234 | 26.996 | | 6.749 |
| rs11170231 | 12 | 51354900 | 0.779 | 0.018 | 0.94 | 0.014 | 0.161 | 26.695 | | 6.679 |
| **rs7679928\*** | **4** | **150287864** | 0.49 | 0.016 | 0.27 | 0.011 | 0.221 | 26.602 | | 6.657 |
| rs766117 | X | 43701150 | 0.694 | 0.032 | 0.46 | 0.023 | 0.234 | 26.589 | | 6.654 |
| **rs562329\*** | **4** | **150348774** | 0.398 | 0.032 | 0.635 | 0.026 | 0.237 | 26.532 | | 6.641 |
| rs35947 | 5 | 53636200 | 0.572 | 0.026 | 0.788 | 0.019 | 0.216 | 26.286 | | 6.583 |
| **rs915364\*** | **14** | **100668695** | 0.449 | 0.024 | 0.683 | 0.034 | 0.234 | 26.192 | | 6.561 |
| **rs11663884\*** | **18** | **61353988** | 0.351 | 0.029 | 0.583 | 0.023 | 0.233 | 26.133 | | 6.547 |
| rs2206024 | X | 142010591 | 0.476 | 0.015 | 0.259 | 0.014 | 0.218 | 26.119 | | 6.544 |
| rs4659592 | 1 | 239439150 | 0.764 | 0.015 | 0.548 | 0.015 | 0.215 | 25.977 | | 6.51 |
| rs12092948 | 1 | 195956590 | 0.364 | 0.026 | 0.162 | 0.016 | 0.202 | 25.806 | | 6.47 |
| rs703363 | 10 | 119333474 | 0.742 | 0.013 | 0.913 | 0.014 | 0.17 | 25.797 | | 6.468 |
| rs5979668 | X | 12505789 | 0.282 | 0.018 | 0.105 | 0.005 | 0.177 | 25.778 | | 6.464 |
| rs461140 | 20 | 52111366 | 0.55 | 0.015 | 0.763 | 0.015 | 0.213 | 25.711 | | 6.448 |
| rs4558783 | 3 | 48382466 | 0.273 | 0.011 | 0.493 | 0.023 | 0.22 | 25.618 | | 6.426 |
| rs1903097 | 8 | 114028444 | 0.304 | 0.025 | 0.53 | 0.023 | 0.226 | 25.449 | | 6.387 |
| rs164979 | 2 | 142152929 | 0.74 | 0.018 | 0.909 | 0.007 | 0.17 | 25.314 | | 6.355 |
| rs10506852 | 12 | 80687070 | 0.505 | 0.029 | 0.725 | 0.014 | 0.22 | 25.192 | | 6.326 |
| rs12644587 | 4 | 118300677 | 0.806 | 0.022 | 0.596 | 0.024 | 0.21 | 25.162 | | 6.319 |
| rs4691842 | 4 | 156817531 | 0.389 | 0.028 | 0.615 | 0.016 | 0.226 | 25.14 | | 6.314 |
| rs7622994 | 3 | 120506661 | 0.727 | 0.022 | 0.903 | 0.015 | 0.175 | 25.11 | | 6.307 |
| rs12254856 | 10 | 90663004 | 0.748 | 0.024 | 0.916 | 0.012 | 0.168 | 24.894 | | 6.257 |
| rs7730111 | 5 | 44168034 | 0.205 | 0.013 | 0.056 | 0.012 | 0.149 | 24.806 | | 6.236 |
| **rs349358\*** | **8** | **73614029** | 0.263 | 0.01 | 0.093 | 0.019 | 0.17 | 24.771 | | 6.228 |
| rs10099850 | 8 | 4166894 | 0.217 | 0.014 | 0.063 | 0.015 | 0.154 | 24.74 | | 6.22 |
| rs2118109 | 1 | 34263505 | 0.935 | 0.006 | 0.778 | 0.019 | 0.157 | 24.623 | | 6.193 |
| rs9597332 | 13 | 32845222 | 0.491 | 0.023 | 0.717 | 0.036 | 0.226 | 24.616 | | 6.191 |
| rs12563211 | 1 | 34258812 | 0.931 | 0.01 | 0.774 | 0.012 | 0.157 | 24.586 | | 6.184 |
| rs9297055 | 6 | 10149866 | 0.238 | 0.017 | 0.078 | 0.006 | 0.16 | 24.565 | | 6.179 |
| rs12372170 | 12 | 130176018 | 0.149 | 0.02 | 0.34 | 0.014 | 0.191 | 24.488 | | 6.161 |
| rs10828629 | 10 | 24672141 | 0.481 | 0.027 | 0.702 | 0.023 | 0.221 | 24.415 | | 6.144 |
| rs2522129 | 12 | 119232296 | 0.799 | 0.017 | 0.945 | 0.01 | 0.147 | 24.306 | | 6.119 |
| **rs2453568\*** | **17** | **19398101** | 0.714 | 0.023 | 0.498 | 0.015 | 0.216 | 24.231 | | 6.101 |
| rs977588 | 15 | 25852901 | 0.376 | 0.014 | 0.604 | 0.04 | 0.228 | 24.218 | | 6.098 |
| rs4866773 | 5 | 44254270 | 0.225 | 0.016 | 0.07 | 0.009 | 0.155 | 24.201 | | 6.094 |
| **rs532967\*** | **12** | **116216722** | 0.881 | 0.014 | 0.703 | 0.01 | 0.178 | 24.199 | | 6.094 |
| rs7084502 | 10 | 127248681 | 0.51 | 0.028 | 0.731 | 0.032 | 0.221 | 24.094 | | 6.069 |
| rs7690646 | 4 | 173105520 | 0.727 | 0.009 | 0.895 | 0.009 | 0.168 | 23.849 | | 6.012 |
| rs2608897 | 6 | 131935156 | 0.511 | 0.023 | 0.724 | 0.019 | 0.213 | 23.679 | | 5.972 |
| rs5940163 | X | 92492115 | 0.657 | 0.023 | 0.437 | 0.026 | 0.22 | 23.592 | | 5.951 |
| rs16864519 | 2 | 177395780 | 0.8 | 0.02 | 0.946 | 0.011 | 0.146 | 23.574 | | 5.947 |
| rs2701632 | 12 | 119254040 | 0.5 | 0.022 | 0.285 | 0.024 | 0.215 | 23.546 | | 5.941 |
| rs830637 | 3 | 71753155 | 0.585 | 0.022 | 0.367 | 0.019 | 0.218 | 23.509 | | 5.932 |
| rs2386112 | X | 127645157 | 0.507 | 0.022 | 0.718 | 0.017 | 0.212 | 23.504 | | 5.931 |
| rs5920186 | X | 145400195 | 0.751 | 0.025 | 0.539 | 0.023 | 0.212 | 23.492 | | 5.928 |
| rs5987697 | X | 102329964 | 0.802 | 0.017 | 0.595 | 0.035 | 0.207 | 23.437 | | 5.915 |
| rs244496 | 12 | 31101381 | 0.07 | 0.017 | 0.231 | 0.024 | 0.161 | 23.384 | | 5.903 |
| **rs1064346\*** | **6** | **108471644** | 0.176 | 0.012 | 0.367 | 0.014 | 0.191 | 23.345 | | 5.893 |
| **rs4920706\*** | **5** | **85306538** | 0.695 | 0.025 | 0.874 | 0.015 | 0.179 | 23.217 | | 5.864 |
| rs2822124 | 21 | 14088675 | 0.61 | 0.018 | 0.389 | 0.032 | 0.22 | 23.196 | | 5.858 |
| **rs7718298\*** | **5** | **85303137** | 0.646 | 0.019 | 0.836 | 0.019 | 0.19 | 23.175 | | 5.854 |
| **rs351739\*** | **6** | **109610669** | 0.535 | 0.018 | 0.743 | 0.024 | 0.208 | 23.173 | | 5.853 |
| rs4724276 | 7 | 44052060 | 0.191 | 0.015 | 0.051 | 0.011 | 0.14 | 23.108 | | 5.838 |
| rs8093346 | 18 | 31059794 | 0.643 | 0.031 | 0.419 | 0.031 | 0.223 | 23.052 | | 5.825 |
| rs9959484 | 18 | 4172758 | 0.556 | 0.039 | 0.765 | 0.014 | 0.209 | 22.782 | | 5.762 |
| rs8127178 | 21 | 27297550 | 0.527 | 0.028 | 0.313 | 0.02 | 0.214 | 22.726 | | 5.748 |
| rs9818246 | 3 | 106360408 | 0.738 | 0.033 | 0.526 | 0.023 | 0.212 | 22.69 | | 5.74 |
| rs8073468 | 17 | 10047238 | 0.735 | 0.016 | 0.9 | 0.017 | 0.165 | 22.626 | | 5.725 |
| rs1438483 | X | 12503716 | 0.274 | 0.025 | 0.103 | 0.021 | 0.171 | 22.484 | | 5.692 |
| rs1021393 | 15 | 96209001 | 0.59 | 0.022 | 0.377 | 0.021 | 0.213 | 22.228 | | 5.632 |
| rs2771342 | 14 | 20526888 | 0.808 | 0.02 | 0.615 | 0.015 | 0.192 | 22.174 | | 5.619 |
| rs988409 | 5 | 123758382 | 0.676 | 0.017 | 0.469 | 0.011 | 0.207 | 22.1 | | 5.602 |
| rs12006890 | X | 142009058 | 0.589 | 0.023 | 0.786 | 0.022 | 0.198 | 22.067 | | 5.594 |
| rs10097475 | 8 | 113986435 | 0.287 | 0.015 | 0.492 | 0.019 | 0.205 | 22.033 | | 5.586 |
| rs10504572 | 8 | 75402533 | 0.629 | 0.012 | 0.815 | 0.015 | 0.186 | 22.016 | | 5.582 |
| rs10482174 | 23 | 143752259 | 0.53 | 0.02 | 0.736 | 0.026 | 0.205 | 22.011 | | 5.581 |
| rs10778155 | 12 | 100801180 | 0.526 | 0.018 | 0.32 | 0.013 | 0.206 | 21.999 | | 5.578 |
| rs12744944 | 1 | 80051321 | 0.69 | 0.023 | 0.479 | 0.027 | 0.211 | 21.981 | | 5.574 |
| rs1438764 | 4 | 150343225 | 0.367 | 0.026 | 0.583 | 0.031 | 0.216 | 21.956 | | 5.568 |
| rs4478893 | 10 | 55305030 | 0.455 | 0.037 | 0.24 | 0.039 | 0.215 | 21.928 | | 5.561 |
| rs9527 | 10 | 104613568 | 0.876 | 0.024 | 0.696 | 0.028 | 0.18 | 21.899 | | 5.554 |
| rs2891226 | 14 | 32429724 | 0.559 | 0.016 | 0.757 | 0.015 | 0.198 | 21.888 | | 5.552 |
| rs4751144 | 10 | 131592065 | 0.789 | 0.017 | 0.594 | 0.02 | 0.195 | 21.873 | | 5.548 |
| rs11134855 | 5 | 173911313 | 0.802 | 0.022 | 0.943 | 0.005 | 0.141 | 21.849 | | 5.543 |
| rs2110597 | 12 | 12832280 | 0.354 | 0.022 | 0.168 | 0.021 | 0.186 | 21.838 | | 5.54 |
| rs7082758 | 10 | 51702090 | 0.536 | 0.033 | 0.749 | 0.038 | 0.213 | 21.788 | | 5.529 |
| rs10109157 | 8 | 58619928 | 0.912 | 0.023 | 0.753 | 0.013 | 0.16 | 21.771 | | 5.525 |
| rs5920181 | 23 | 145398621 | 0.714 | 0.03 | 0.5 | 0.035 | 0.214 | 21.594 | | 5.483 |
| rs11750845 | 5 | 44408817 | 0.596 | 0.022 | 0.383 | 0.031 | 0.213 | 21.57 | | 5.477 |
| rs833520 | 18 | 44818557 | 0.853 | 0.015 | 0.675 | 0.017 | 0.178 | 21.535 | | 5.469 |
| rs875602 | 22 | 21725684 | 0.602 | 0.021 | 0.794 | 0.021 | 0.192 | 21.504 | | 5.462 |
| rs1401908 | 4 | 56979920 | 0.45 | 0.03 | 0.658 | 0.014 | 0.209 | 21.458 | | 5.451 |
| rs6539012 | 12 | 100704359 | 0.323 | 0.026 | 0.534 | 0.028 | 0.211 | 21.424 | | 5.443 |
| rs9383066 | 6 | 9896883 | 0.898 | 0.033 | 0.72 | 0.033 | 0.178 | 21.42 | | 5.442 |
| rs4516736 | 4 | 147433362 | 0.781 | 0.037 | 0.581 | 0.011 | 0.199 | 21.363 | | 5.429 |
| rs13032587 | 2 | 177391650 | 0.605 | 0.02 | 0.797 | 0.023 | 0.192 | 21.317 | | 5.418 |
| rs12010218 | 23 | 17496269 | 0.517 | 0.027 | 0.72 | 0.018 | 0.203 | 21.264 | | 5.406 |
| rs2256853 | 21 | 30100497 | 0.68 | 0.033 | 0.463 | 0.037 | 0.217 | 21.261 | | 5.405 |
| rs8000104 | 13 | 59751802 | 0.141 | 0.027 | 0.329 | 0.036 | 0.188 | 21.239 | | 5.4 |
| rs7608578 | 2 | 161281477 | 0.354 | 0.017 | 0.559 | 0.017 | 0.205 | 21.22 | | 5.395 |
| rs763265 | 22 | 42013946 | 0.836 | 0.017 | 0.656 | 0.013 | 0.18 | 21.218 | | 5.395 |
| rs42563 | 5 | 128428255 | 0.815 | 0.016 | 0.629 | 0.019 | 0.186 | 21.211 | | 5.393 |
| rs2240245 | 16 | 73316485 | 0.925 | 0.007 | 0.779 | 0.015 | 0.147 | 21.083 | | 5.363 |
| rs6760579 | 2 | 204917694 | 0.932 | 0.014 | 0.776 | 0.035 | 0.157 | 21.022 | | 5.349 |
| rs4704022 | 5 | 84305873 | 0.149 | 0.016 | 0.324 | 0.014 | 0.175 | 21.017 | | 5.348 |
| rs642858 | 6 | 140315340 | 0.74 | 0.029 | 0.905 | 0.024 | 0.164 | 20.926 | | 5.326 |
| rs625704 | 22 | 18565457 | 0.922 | 0.022 | 0.764 | 0.026 | 0.157 | 20.922 | | 5.326 |
| rs3812906 | 15 | 95126122 | 0.606 | 0.011 | 0.792 | 0.014 | 0.186 | 20.893 | | 5.319 |
| rs2840686 | 23 | 116250239 | 0.611 | 0.035 | 0.401 | 0.016 | 0.21 | 20.877 | | 5.315 |
| rs6717501 | 2 | 177527455 | 0.738 | 0.014 | 0.895 | 0.009 | 0.156 | 20.833 | | 5.305 |
| rs11739911 | 5 | 53633284 | 0.316 | 0.033 | 0.527 | 0.03 | 0.211 | 20.826 | | 5.303 |
| rs698915 | 1 | 148654942 | 0.814 | 0.021 | 0.618 | 0.039 | 0.196 | 20.792 | | 5.295 |
| rs10950267 | 7 | 70681551 | 0.526 | 0.023 | 0.315 | 0.039 | 0.211 | 20.76 | | 5.288 |
| rs2825399 | 21 | 19470131 | 0.801 | 0.028 | 0.606 | 0.029 | 0.194 | 20.696 | | 5.272 |
| rs332983 | 4 | 173093597 | 0.815 | 0.024 | 0.949 | 0.008 | 0.134 | 20.685 | | 5.27 |
| rs8072471 | 17 | 62797524 | 0.677 | 0.013 | 0.85 | 0.02 | 0.173 | 20.683 | | 5.27 |
| rs12156831 | 23 | 113274437 | 0.663 | 0.037 | 0.848 | 0.026 | 0.185 | 20.611 | | 5.253 |
| rs6427353 | 1 | 155376248 | 0.626 | 0.015 | 0.812 | 0.026 | 0.185 | 20.605 | | 5.251 |
| rs1419868 | 7 | 34834082 | 0.666 | 0.031 | 0.46 | 0.021 | 0.206 | 20.568 | | 5.243 |
| rs2589338 | 8 | 35548615 | 0.612 | 0.037 | 0.807 | 0.028 | 0.195 | 20.559 | | 5.24 |
| rs7944563 | 11 | 39403617 | 0.462 | 0.025 | 0.665 | 0.014 | 0.202 | 20.552 | | 5.239 |
| rs10905240 | 10 | 7948558 | 0.733 | 0.025 | 0.534 | 0.022 | 0.2 | 20.547 | | 5.238 |
| rs9386796 | 6 | 109725397 | 0.468 | 0.013 | 0.669 | 0.022 | 0.201 | 20.532 | | 5.234 |
| rs10879175 | 12 | 69329521 | 0.88 | 0.012 | 0.718 | 0.01 | 0.162 | 20.532 | | 5.234 |
| rs10955837 | 8 | 118900001 | 0.606 | 0.024 | 0.397 | 0.031 | 0.209 | 20.532 | | 5.234 |
| rs5927606 | 23 | 30668575 | 0.721 | 0.021 | 0.884 | 0.016 | 0.163 | 20.531 | | 5.234 |
| rs7898484 | 10 | 57230178 | 0.631 | 0.016 | 0.428 | 0.02 | 0.203 | 20.525 | | 5.232 |
| rs6576888 | 1 | 87518905 | 0.509 | 0.026 | 0.307 | 0.022 | 0.203 | 20.517 | | 5.231 |
| rs17125 | 3 | 124994673 | 0.738 | 0.023 | 0.895 | 0.008 | 0.157 | 20.453 | | 5.216 |
| rs2526768 | 23 | 116245061 | 0.593 | 0.016 | 0.39 | 0.022 | 0.203 | 20.439 | | 5.212 |
| rs1049679 | 20 | 48132190 | 0.213 | 0.013 | 0.073 | 0.006 | 0.14 | 20.435 | | 5.211 |
| rs961096 | 14 | 80990989 | 0.615 | 0.024 | 0.802 | 0.02 | 0.187 | 20.408 | | 5.205 |
| rs12677577 | 8 | 24213092 | 0.81 | 0.017 | 0.943 | 0.011 | 0.133 | 20.403 | | 5.204 |
| rs2050717 | 6 | 140411474 | 0.372 | 0.016 | 0.188 | 0.026 | 0.184 | 20.39 | | 5.201 |
| rs2281094 | 22 | 35865417 | 0.872 | 0.019 | 0.706 | 0.012 | 0.166 | 20.327 | | 5.186 |
| rs10744590 | 12 | 3040941 | 0.761 | 0.018 | 0.57 | 0.015 | 0.191 | 20.311 | | 5.182 |
| rs1866274 | 8 | 82041209 | 0.104 | 0.005 | 0.259 | 0.013 | 0.155 | 20.308 | | 5.182 |
| rs2056647 | 7 | 70752380 | 0.556 | 0.03 | 0.75 | 0.014 | 0.195 | 20.257 | | 5.17 |
| rs7226455 | 18 | 54852847 | 0.064 | 0.012 | 0.202 | 0.013 | 0.138 | 20.171 | | 5.15 |
| rs4757024 | 11 | 19994712 | 0.731 | 0.02 | 0.889 | 0.013 | 0.158 | 20.142 | | 5.143 |
| rs1159931 | 10 | 44126048 | 0.78 | 0.014 | 0.923 | 0.015 | 0.143 | 20.142 | | 5.143 |
| rs150950 | 14 | 69605652 | 0.943 | 0.008 | 0.81 | 0.013 | 0.133 | 20.111 | | 5.135 |
| rs1489310 | 16 | 82068743 | 0.454 | 0.021 | 0.66 | 0.034 | 0.206 | 20.108 | | 5.135 |
| rs10456665 | 6 | 53013551 | 0.922 | 0.011 | 0.777 | 0.017 | 0.145 | 20.099 | | 5.133 |
| rs3807544 | 7 | 124187941 | 0.495 | 0.017 | 0.697 | 0.034 | 0.203 | 20.088 | | 5.13 |
| rs7673051 | 4 | 114249297 | 0.382 | 0.03 | 0.196 | 0.018 | 0.186 | 20.075 | | 5.127 |
| rs3065 | 6 | 46968887 | 0.772 | 0.022 | 0.919 | 0.014 | 0.147 | 20.059 | | 5.123 |
| rs1737766 | 6 | 1306843 | 0.88 | 0.012 | 0.714 | 0.026 | 0.166 | 19.995 | | 5.108 |
| rs3859192 | 17 | 35382174 | 0.72 | 0.021 | 0.526 | 0.015 | 0.195 | 19.985 | | 5.106 |
| rs4825352 | 23 | 17505243 | 0.507 | 0.02 | 0.703 | 0.017 | 0.196 | 19.965 | | 5.101 |
| rs2325167 | 6 | 89753878 | 0.762 | 0.032 | 0.568 | 0.018 | 0.194 | 19.955 | | 5.099 |
| rs10895595 | 11 | 103536660 | 0.857 | 0.015 | 0.689 | 0.016 | 0.169 | 19.951 | | 5.098 |
| rs246580 | 5 | 71851370 | 0.782 | 0.022 | 0.927 | 0.02 | 0.145 | 19.929 | | 5.093 |
| rs276105 | 3 | 81515924 | 0.494 | 0.032 | 0.696 | 0.022 | 0.202 | 19.904 | | 5.087 |
| rs1434937 | 8 | 69744539 | 0.555 | 0.033 | 0.749 | 0.014 | 0.194 | 19.899 | | 5.086 |
| rs6862221 | 5 | 71790718 | 0.259 | 0.013 | 0.105 | 0.015 | 0.154 | 19.891 | | 5.084 |
| rs339020 | 3 | 6948116 | 0.722 | 0.015 | 0.879 | 0.008 | 0.158 | 19.85 | | 5.074 |
| rs666121 | 7 | 4216566 | 0.941 | 0.014 | 0.805 | 0.016 | 0.136 | 19.849 | | 5.074 |
| rs9543879 | 13 | 74730324 | 0.56 | 0.011 | 0.362 | 0.022 | 0.199 | 19.827 | | 5.069 |
| rs17778588 | 18 | 61364137 | 0.125 | 0.016 | 0.293 | 0.026 | 0.167 | 19.821 | | 5.068 |
| rs12987986 | 2 | 141372206 | 0.216 | 0.018 | 0.403 | 0.023 | 0.187 | 19.814 | | 5.066 |
| rs11247611 | 1 | 27340571 | 0.804 | 0.019 | 0.938 | 0.011 | 0.134 | 19.787 | | 5.059 |
| rs2768274 | 13 | 89072220 | 0.67 | 0.039 | 0.459 | 0.033 | 0.21 | 19.752 | | 5.051 |
| rs6535458 | 4 | 84452473 | 0.891 | 0.014 | 0.733 | 0.019 | 0.158 | 19.715 | | 5.043 |
| rs9492803 | 6 | 131444109 | 0.148 | 0.033 | 0.324 | 0.019 | 0.176 | 19.649 | | 5.027 |
| rs11099592 | 4 | 84449643 | 0.917 | 0.015 | 0.764 | 0.03 | 0.153 | 19.642 | | 5.025 |
| rs1377208 | 4 | 109997382 | 0.212 | 0.037 | 0.064 | 0.018 | 0.148 | 19.638 | | 5.025 |
| rs12488675 | 3 | 1467235 | 0.914 | 0.016 | 0.766 | 0.015 | 0.148 | 19.614 | | 5.019 |
| rs7323268 | 13 | 32807738 | 0.852 | 0.01 | 0.685 | 0.017 | 0.168 | 19.614 | | 5.019 |
| rs2439707 | 10 | 90599553 | 0.77 | 0.014 | 0.914 | 0.015 | 0.145 | 19.572 | | 5.009 |
| rs721919 | 14 | 97240364 | 0.942 | 0.009 | 0.811 | 0.013 | 0.131 | 19.566 | | 5.008 |
| rs4366576 | 13 | 27576488 | 0.813 | 0.017 | 0.946 | 0.02 | 0.132 | 19.56 | | 5.006 |
| rs17355209 | 4 | 84672332 | 0.535 | 0.039 | 0.329 | 0.026 | 0.206 | 19.549 | | 5.004 |
| rs2476020 | 1 | 195634904 | 0.426 | 0.017 | 0.24 | 0.017 | 0.186 | 19.515 | | 4.996 |
| rs3771798 | 2 | 74917900 | 0.326 | 0.029 | 0.154 | 0.016 | 0.173 | 19.455 | | 4.982 |
| rs181601 | 10 | 119335828 | 0.942 | 0.013 | 0.809 | 0.016 | 0.133 | 19.409 | | 4.971 |
| rs13249543 | 8 | 26519261 | 0.338 | 0.032 | 0.163 | 0.013 | 0.175 | 19.402 | | 4.969 |
| rs2200488 | 2 | 141316836 | 0.852 | 0.016 | 0.677 | 0.032 | 0.175 | 19.379 | | 4.964 |
| rs4145971 | 4 | 44537971 | 0.815 | 0.03 | 0.63 | 0.025 | 0.184 | 19.376 | | 4.963 |
| rs1023055 | 13 | 49953197 | 0.906 | 0.018 | 0.755 | 0.015 | 0.151 | 19.372 | | 4.962 |
| rs2165506 | 2 | 141164782 | 0.724 | 0.018 | 0.534 | 0.012 | 0.19 | 19.355 | | 4.958 |
| rs2819656 | 23 | 116261220 | 0.58 | 0.021 | 0.383 | 0.015 | 0.197 | 19.339 | | 4.954 |
| rs1011130 | 16 | 55666322 | 0.728 | 0.012 | 0.882 | 0.01 | 0.154 | 19.322 | | 4.951 |
| rs139059 | 22 | 34249392 | 0.749 | 0.006 | 0.897 | 0.011 | 0.148 | 19.318 | | 4.95 |
| rs10423685 | 19 | 58023726 | 0.55 | 0.037 | 0.745 | 0.017 | 0.194 | 19.314 | | 4.949 |
| rs1572671 | 6 | 140373789 | 0.592 | 0.021 | 0.393 | 0.022 | 0.199 | 19.306 | | 4.947 |
| rs4655010 | 1 | 20160506 | 0.823 | 0.016 | 0.646 | 0.024 | 0.177 | 19.299 | | 4.945 |
| rs7954125 | 12 | 97286618 | 0.774 | 0.028 | 0.92 | 0.014 | 0.146 | 19.27 | | 4.938 |
| rs2883827 | 11 | 28810784 | 0.94 | 0.016 | 0.805 | 0.019 | 0.135 | 19.241 | | 4.931 |
| rs2255055 | 21 | 29458916 | 0.79 | 0.029 | 0.605 | 0.018 | 0.185 | 19.235 | | 4.93 |
| rs13054331 | 22 | 21737063 | 0.69 | 0.028 | 0.859 | 0.019 | 0.169 | 19.23 | | 4.929 |
| rs2381589 | 9 | 7346531 | 0.665 | 0.033 | 0.465 | 0.02 | 0.2 | 19.226 | | 4.928 |
| rs1099986 | 23 | 87983985 | 0.552 | 0.019 | 0.352 | 0.03 | 0.2 | 19.215 | | 4.925 |
| rs340575 | 13 | 71774359 | 0.776 | 0.03 | 0.922 | 0.015 | 0.146 | 19.139 | | 4.908 |
| rs1011814 | 5 | 44371577 | 0.58 | 0.021 | 0.767 | 0.024 | 0.187 | 19.137 | | 4.907 |
| rs965077 | 23 | 28186242 | 0.911 | 0.011 | 0.767 | 0.011 | 0.144 | 19.128 | | 4.905 |
| rs901618 | 18 | 20072664 | 0.464 | 0.009 | 0.658 | 0.02 | 0.194 | 19.108 | | 4.9 |
| rs2141671 | 3 | 161841109 | 0.774 | 0.034 | 0.925 | 0.024 | 0.151 | 19.093 | | 4.897 |
| rs4974153 | 3 | 55944898 | 0.806 | 0.017 | 0.626 | 0.025 | 0.18 | 19.081 | | 4.894 |
| rs1122046 | 6 | 93696617 | 0.676 | 0.028 | 0.478 | 0.022 | 0.198 | 19.079 | | 4.893 |
| rs644333 | 6 | 140459302 | 0.661 | 0.021 | 0.832 | 0.014 | 0.171 | 19.055 | | 4.888 |
| rs3861566 | 2 | 51918666 | 0.358 | 0.04 | 0.176 | 0.019 | 0.182 | 19.05 | | 4.887 |
| rs1618938 | 8 | 13188337 | 0.48 | 0.016 | 0.291 | 0.016 | 0.189 | 19.029 | | 4.882 |
| rs257926 | 5 | 128418066 | 0.179 | 0.017 | 0.353 | 0.019 | 0.174 | 19.011 | | 4.878 |
| rs761710 | 6 | 100802626 | 0.125 | 0.009 | 0.287 | 0.025 | 0.161 | 19.004 | | 4.876 |
| rs6080616 | 20 | 17200213 | 0.55 | 0.035 | 0.742 | 0.019 | 0.192 | 18.971 | | 4.868 |
| rs10826731 | 10 | 30255454 | 0.106 | 0.007 | 0.255 | 0.008 | 0.149 | 18.931 | | 4.859 |
| rs9922485 | 16 | 26366885 | 0.166 | 0.019 | 0.342 | 0.028 | 0.175 | 18.927 | | 4.858 |
| rs1777826 | 1 | 209775706 | 0.487 | 0.022 | 0.295 | 0.018 | 0.192 | 18.915 | | 4.855 |
| rs8101040 | 19 | 55255711 | 0.943 | 0.009 | 0.812 | 0.019 | 0.13 | 18.906 | | 4.853 |
| rs4697616 | 4 | 25376281 | 0.234 | 0.014 | 0.416 | 0.012 | 0.181 | 18.856 | | 4.841 |
| rs1558469 | 7 | 44112435 | 0.752 | 0.024 | 0.561 | 0.027 | 0.19 | 18.854 | | 4.841 |
| rs1414831 | 6 | 140906251 | 0.856 | 0.017 | 0.691 | 0.018 | 0.165 | 18.833 | | 4.836 |
| rs260818 | 11 | 103425315 | 0.449 | 0.023 | 0.648 | 0.03 | 0.199 | 18.82 | | 4.833 |
| rs228947 | 22 | 35856475 | 0.863 | 0.01 | 0.704 | 0.01 | 0.159 | 18.743 | | 4.815 |
| rs7782511 | 7 | 15573571 | 0.656 | 0.023 | 0.827 | 0.013 | 0.171 | 18.707 | | 4.806 |
| rs1482377 | 5 | 113253600 | 0.23 | 0.016 | 0.089 | 0.007 | 0.141 | 18.704 | | 4.806 |
| rs10521668 | 23 | 8015498 | 0.706 | 0.026 | 0.872 | 0.028 | 0.166 | 18.699 | | 4.804 |
| rs11255455 | 10 | 8031458 | 0.688 | 0.019 | 0.498 | 0.01 | 0.19 | 18.697 | | 4.804 |
| rs2055638 | 4 | 150893656 | 0.213 | 0.032 | 0.072 | 0.012 | 0.142 | 18.691 | | 4.803 |
| rs1384857 | 4 | 64838474 | 0.664 | 0.017 | 0.831 | 0.014 | 0.168 | 18.667 | | 4.797 |
| rs1377392 | 6 | 53406444 | 0.872 | 0.014 | 0.709 | 0.029 | 0.163 | 18.604 | | 4.782 |
| rs736917 | 5 | 36764097 | 0.875 | 0.012 | 0.72 | 0.008 | 0.154 | 18.535 | | 4.766 |
| rs1887719 | 9 | 81059239 | 0.726 | 0.026 | 0.536 | 0.022 | 0.19 | 18.534 | | 4.766 |
| rs4609338 | 23 | 30635844 | 0.212 | 0.023 | 0.073 | 0.018 | 0.139 | 18.523 | | 4.763 |
| rs10948955 | 6 | 55795373 | 0.628 | 0.023 | 0.431 | 0.028 | 0.197 | 18.509 | | 4.76 |
| rs13184726 | 5 | 53799132 | 0.786 | 0.011 | 0.922 | 0.014 | 0.136 | 18.484 | | 4.754 |
| rs732556 | 4 | 14796797 | 0.295 | 0.011 | 0.138 | 0.011 | 0.157 | 18.481 | | 4.753 |
| rs7960152 | 12 | 99099904 | 0.799 | 0.022 | 0.622 | 0.018 | 0.177 | 18.481 | | 4.753 |
| rs17321588 | 23 | 92479015 | 0.476 | 0.03 | 0.678 | 0.04 | 0.202 | 18.471 | | 4.751 |
| rs891383 | 4 | 147381933 | 0.818 | 0.022 | 0.645 | 0.017 | 0.173 | 18.459 | | 4.748 |
| rs2809823 | 1 | 100776350 | 0.48 | 0.033 | 0.286 | 0.025 | 0.194 | 18.443 | | 4.744 |
| rs17790915 | 5 | 128146786 | 0.939 | 0.018 | 0.805 | 0.021 | 0.134 | 18.435 | | 4.743 |
| rs3750228 | 8 | 71143292 | 0.069 | 0.009 | 0.201 | 0.011 | 0.132 | 18.433 | | 4.742 |
| rs4345583 | 8 | 113759975 | 0.869 | 0.023 | 0.704 | 0.027 | 0.165 | 18.415 | | 4.738 |
| rs3210908 | 11 | 396483 | 0.694 | 0.015 | 0.857 | 0.024 | 0.163 | 18.411 | | 4.737 |
| rs4314134 | 3 | 155063941 | 0.933 | 0.017 | 0.793 | 0.027 | 0.14 | 18.396 | | 4.733 |
| rs6764014 | 3 | 33955453 | 0.823 | 0.019 | 0.652 | 0.018 | 0.171 | 18.353 | | 4.723 |
| rs10953089 | 7 | 92566363 | 0.697 | 0.024 | 0.858 | 0.011 | 0.161 | 18.338 | | 4.72 |
| rs13379046 | 14 | 21149049 | 0.143 | 0.014 | 0.312 | 0.034 | 0.169 | 18.335 | | 4.719 |
| rs352834 | 6 | 109630514 | 0.884 | 0.012 | 0.721 | 0.037 | 0.163 | 18.319 | | 4.715 |
| rs7586694 | 2 | 82511859 | 0.599 | 0.019 | 0.78 | 0.025 | 0.18 | 18.303 | | 4.712 |
| rs2868570 | 23 | 30666789 | 0.662 | 0.02 | 0.828 | 0.007 | 0.166 | 18.288 | | 4.708 |
| rs11922170 | 3 | 179149983 | 0.541 | 0.027 | 0.729 | 0.023 | 0.189 | 18.287 | | 4.708 |
| rs745952 | 19 | 55189335 | 0.88 | 0.014 | 0.726 | 0.018 | 0.154 | 18.252 | | 4.7 |
| rs1532517 | 15 | 22083695 | 0.499 | 0.02 | 0.694 | 0.036 | 0.195 | 18.245 | | 4.698 |
| rs10964534 | 9 | 20317754 | 0.19 | 0.018 | 0.062 | 0.011 | 0.128 | 18.234 | | 4.695 |
| rs592755 | 6 | 140279299 | 0.271 | 0.012 | 0.12 | 0.015 | 0.151 | 18.191 | | 4.685 |
| rs6989476 | 8 | 75408325 | 0.296 | 0.016 | 0.14 | 0.007 | 0.156 | 18.183 | | 4.683 |
| rs2492987 | 1 | 239325630 | 0.448 | 0.034 | 0.261 | 0.013 | 0.187 | 18.18 | | 4.683 |
| rs6982567 | 8 | 96819457 | 0.702 | 0.018 | 0.86 | 0.012 | 0.158 | 18.18 | | 4.683 |
| rs1226493 | 6 | 47096607 | 0.643 | 0.031 | 0.817 | 0.019 | 0.175 | 18.164 | | 4.679 |
| rs6964509 | 7 | 49586549 | 0.213 | 0.024 | 0.072 | 0.026 | 0.141 | 18.155 | | 4.677 |
| rs4749442 | 10 | 8068394 | 0.266 | 0.016 | 0.449 | 0.016 | 0.183 | 18.131 | | 4.671 |
| rs2327252 | 6 | 10285599 | 0.129 | 0.035 | 0.3 | 0.033 | 0.171 | 18.119 | | 4.668 |
| rs8070454 | 17 | 35414280 | 0.761 | 0.018 | 0.581 | 0.018 | 0.181 | 18.109 | | 4.666 |
| rs17015309 | 1 | 208073841 | 0.931 | 0.011 | 0.798 | 0.019 | 0.133 | 18.107 | | 4.666 |
| rs827795 | 12 | 98785125 | 0.117 | 0.02 | 0.278 | 0.031 | 0.16 | 18.097 | | 4.663 |
| rs286969 | 5 | 153301961 | 0.547 | 0.015 | 0.73 | 0.018 | 0.183 | 18.088 | | 4.661 |
| rs701263 | 3 | 155110619 | 0.116 | 0.01 | 0.266 | 0.016 | 0.15 | 18.067 | | 4.656 |
| rs10850795 | 12 | 116103335 | 0.853 | 0.015 | 0.689 | 0.026 | 0.164 | 18.062 | | 4.655 |
| rs12536756 | 7 | 70690459 | 0.362 | 0.013 | 0.554 | 0.027 | 0.192 | 18.054 | | 4.653 |
| rs2581186 | 3 | 27905643 | 0.192 | 0.016 | 0.065 | 0.01 | 0.127 | 18.054 | | 4.653 |
| rs3934476 | 5 | 74278608 | 0.592 | 0.017 | 0.401 | 0.02 | 0.191 | 18.05 | | 4.652 |
| rs7819128 | 8 | 130699339 | 0.589 | 0.019 | 0.771 | 0.029 | 0.182 | 18.046 | | 4.651 |
| rs10063592 | 5 | 166604835 | 0.931 | 0.011 | 0.797 | 0.022 | 0.134 | 18.029 | | 4.647 |
| rs9367929 | 6 | 10019736 | 0.729 | 0.029 | 0.886 | 0.026 | 0.158 | 18.027 | | 4.647 |
| rs6072794 | 20 | 40623391 | 0.921 | 0.021 | 0.776 | 0.026 | 0.144 | 18.001 | | 4.641 |
| rs17110354 | 14 | 25296991 | 0.383 | 0.02 | 0.208 | 0.02 | 0.175 | 17.984 | | 4.637 |
| rs10170790 | 2 | 5432996 | 0.592 | 0.031 | 0.392 | 0.037 | 0.201 | 17.98 | | 4.636 |
| rs912477 | 10 | 102605158 | 0.087 | 0.009 | 0.225 | 0.012 | 0.138 | 17.962 | | 4.632 |
| rs912572 | 1 | 156328250 | 0.279 | 0.028 | 0.124 | 0.012 | 0.156 | 17.957 | | 4.63 |
| rs1899881 | 16 | 85332189 | 0.691 | 0.019 | 0.852 | 0.018 | 0.161 | 17.937 | | 4.626 |
| rs2840722 | 23 | 116155511 | 0.433 | 0.011 | 0.622 | 0.016 | 0.188 | 17.925 | | 4.623 |
| rs4890668 | 18 | 42365606 | 0.894 | 0.009 | 0.75 | 0.01 | 0.144 | 17.921 | | 4.622 |
| rs6589849 | 11 | 98391541 | 0.612 | 0.018 | 0.786 | 0.015 | 0.174 | 17.921 | | 4.622 |
| rs9685766 | 4 | 59496189 | 0.593 | 0.019 | 0.771 | 0.022 | 0.178 | 17.908 | | 4.619 |
| rs1559012 | 7 | 23721440 | 0.827 | 0.02 | 0.658 | 0.021 | 0.169 | 17.906 | | 4.618 |
| rs10415880 | 19 | 54880968 | 0.806 | 0.013 | 0.631 | 0.03 | 0.175 | 17.875 | | 4.611 |
| rs17133444 | 7 | 138393315 | 0.914 | 0.018 | 0.77 | 0.023 | 0.144 | 17.87 | | 4.61 |
| rs7978668 | 12 | 69325443 | 0.062 | 0.01 | 0.189 | 0.013 | 0.126 | 17.867 | | 4.609 |
| rs5905637 | 23 | 47646272 | 0.489 | 0.021 | 0.678 | 0.023 | 0.189 | 17.864 | | 4.609 |
| rs12658088 | 5 | 123747347 | 0.284 | 0.013 | 0.466 | 0.011 | 0.182 | 17.86 | | 4.608 |
| rs9635580 | 16 | 77129855 | 0.824 | 0.017 | 0.946 | 0.013 | 0.122 | 17.847 | | 4.605 |
| rs2355754 | 8 | 114026708 | 0.81 | 0.018 | 0.635 | 0.03 | 0.175 | 17.798 | | 4.593 |
| rs9597353 | 13 | 32854690 | 0.918 | 0.026 | 0.764 | 0.039 | 0.155 | 17.793 | | 4.592 |
| rs4280636 | 3 | 134210047 | 0.297 | 0.011 | 0.483 | 0.025 | 0.186 | 17.792 | | 4.592 |
| rs6903955 | 6 | 1276850 | 0.698 | 0.019 | 0.504 | 0.039 | 0.194 | 17.707 | | 4.572 |
| rs2330555 | 22 | 22343288 | 0.349 | 0.017 | 0.542 | 0.033 | 0.193 | 17.702 | | 4.571 |
| rs6525372 | 23 | 69660976 | 0.754 | 0.019 | 0.898 | 0.014 | 0.144 | 17.697 | | 4.57 |
| rs6462802 | 7 | 38031161 | 0.93 | 0.017 | 0.798 | 0.017 | 0.133 | 17.691 | | 4.568 |
| rs7755798 | 6 | 109743847 | 0.857 | 0.012 | 0.701 | 0.011 | 0.156 | 17.685 | | 4.567 |
| rs7963198 | 12 | 3041690 | 0.271 | 0.022 | 0.455 | 0.018 | 0.183 | 17.659 | | 4.561 |
| rs3130785 | 6 | 30904717 | 0.746 | 0.017 | 0.891 | 0.009 | 0.145 | 17.658 | | 4.56 |
| rs5978057 | 23 | 125219158 | 0.058 | 0.013 | 0.192 | 0.032 | 0.134 | 17.656 | | 4.56 |
| rs4149272 | 9 | 106682108 | 0.533 | 0.026 | 0.717 | 0.018 | 0.185 | 17.654 | | 4.56 |
| rs3993323 | 11 | 17910658 | 0.9 | 0.014 | 0.757 | 0.012 | 0.143 | 17.635 | | 4.555 |
| rs2424681 | 20 | 24696829 | 0.431 | 0.028 | 0.248 | 0.024 | 0.183 | 17.631 | | 4.554 |
| rs7956578 | 12 | 12823548 | 0.49 | 0.014 | 0.676 | 0.021 | 0.186 | 17.629 | | 4.554 |
| rs4720720 | 7 | 7086963 | 0.478 | 0.023 | 0.292 | 0.024 | 0.186 | 17.624 | | 4.552 |
| rs949762 | 23 | 32956818 | 0.151 | 0.02 | 0.315 | 0.025 | 0.164 | 17.606 | | 4.548 |
| rs6687802 | 1 | 235004990 | 0.293 | 0.022 | 0.137 | 0.014 | 0.156 | 17.606 | | 4.548 |
| rs10424747 | 19 | 58799498 | 0.64 | 0.02 | 0.808 | 0.016 | 0.169 | 17.604 | | 4.548 |
| rs11716371 | 3 | 48337754 | 0.833 | 0.02 | 0.658 | 0.039 | 0.175 | 17.602 | | 4.547 |
| rs1884851 | 23 | 32807999 | 0.826 | 0.021 | 0.659 | 0.019 | 0.167 | 17.601 | | 4.547 |
| rs12001816 | 9 | 133545007 | 0.287 | 0.016 | 0.469 | 0.014 | 0.182 | 17.598 | | 4.546 |
| rs4643965 | 5 | 44260565 | 0.278 | 0.014 | 0.128 | 0.013 | 0.151 | 17.597 | | 4.546 |
| rs6444074 | 3 | 186705887 | 0.704 | 0.036 | 0.509 | 0.034 | 0.195 | 17.584 | | 4.543 |
| rs6076283 | 20 | 24748969 | 0.363 | 0.021 | 0.194 | 0.016 | 0.169 | 17.564 | | 4.538 |
| rs2825810 | 21 | 20111646 | 0.07 | 0.007 | 0.196 | 0.005 | 0.127 | 17.564 | | 4.538 |
| rs12193181 | 6 | 148348195 | 0.488 | 0.019 | 0.678 | 0.03 | 0.19 | 17.557 | | 4.537 |
| rs6722353 | 2 | 128269440 | 0.727 | 0.011 | 0.876 | 0.015 | 0.149 | 17.547 | | 4.534 |
| rs957783 | 3 | 117500621 | 0.783 | 0.008 | 0.916 | 0.015 | 0.133 | 17.528 | | 4.53 |
| rs3887856 | 4 | 149389508 | 0.889 | 0.019 | 0.742 | 0.014 | 0.148 | 17.509 | | 4.526 |
| rs977152 | 21 | 27307233 | 0.754 | 0.009 | 0.895 | 0.01 | 0.141 | 17.507 | | 4.525 |
| rs911666 | 14 | 95140878 | 0.579 | 0.031 | 0.76 | 0.021 | 0.181 | 17.501 | | 4.524 |
| rs2232183 | 22 | 29862960 | 0.852 | 0.024 | 0.691 | 0.013 | 0.16 | 17.501 | | 4.524 |
| rs7315770 | 12 | 71971593 | 0.198 | 0.024 | 0.377 | 0.036 | 0.179 | 17.488 | | 4.521 |
| rs13015721 | 2 | 161484651 | 0.124 | 0.015 | 0.279 | 0.026 | 0.155 | 17.486 | | 4.52 |
| rs9415996 | 10 | 73194374 | 0.769 | 0.034 | 0.586 | 0.022 | 0.183 | 17.485 | | 4.52 |
| rs1348664 | 4 | 32253032 | 0.536 | 0.014 | 0.719 | 0.027 | 0.184 | 17.472 | | 4.517 |
| rs4463047 | 4 | 155714983 | 0.199 | 0.016 | 0.071 | 0.012 | 0.128 | 17.464 | | 4.515 |
| rs2579643 | 2 | 119933926 | 0.795 | 0.015 | 0.925 | 0.009 | 0.129 | 17.446 | | 4.511 |
| rs2365695 | 7 | 79158672 | 0.178 | 0.005 | 0.059 | 0.01 | 0.119 | 17.438 | | 4.509 |
| rs2127774 | 8 | 14912533 | 0.747 | 0.011 | 0.89 | 0.013 | 0.143 | 17.434 | | 4.508 |
| rs349363 | 8 | 73594355 | 0.809 | 0.031 | 0.94 | 0.015 | 0.131 | 17.431 | | 4.507 |
| rs7301360 | 12 | 12833800 | 0.174 | 0.014 | 0.055 | 0.009 | 0.119 | 17.429 | | 4.507 |
| rs10983613 | 9 | 119105608 | 0.824 | 0.02 | 0.657 | 0.019 | 0.167 | 17.422 | | 4.505 |
| rs2139612 | 23 | 92501574 | 0.334 | 0.024 | 0.526 | 0.031 | 0.191 | 17.421 | | 4.505 |
| rs17790008 | 10 | 106835371 | 0.069 | 0.008 | 0.195 | 0.007 | 0.126 | 17.412 | | 4.503 |
| rs7405302 | 16 | 85341147 | 0.729 | 0.034 | 0.886 | 0.025 | 0.157 | 17.402 | | 4.5 |
| rs4759647 | 12 | 129346179 | 0.677 | 0.031 | 0.486 | 0.027 | 0.191 | 17.399 | | 4.5 |
| rs11199152 | 10 | 121780566 | 0.525 | 0.018 | 0.707 | 0.017 | 0.182 | 17.399 | | 4.5 |
| rs11854796 | 15 | 77711535 | 0.331 | 0.02 | 0.164 | 0.03 | 0.167 | 17.397 | | 4.499 |
| rs17228232 | 16 | 49546251 | 0.855 | 0.014 | 0.696 | 0.023 | 0.159 | 17.373 | | 4.494 |
| rs7697951 | 4 | 66169736 | 0.349 | 0.027 | 0.18 | 0.021 | 0.169 | 17.366 | | 4.492 |
| rs2114088 | 11 | 43137906 | 0.107 | 0.013 | 0.253 | 0.02 | 0.146 | 17.353 | | 4.489 |
| rs2180584 | 20 | 28059305 | 0.822 | 0.018 | 0.946 | 0.023 | 0.124 | 17.342 | | 4.486 |
| rs1036016 | 4 | 147396053 | 0.061 | 0.012 | 0.185 | 0.012 | 0.124 | 17.329 | | 4.483 |
| rs11961360 | 6 | 157277723 | 0.213 | 0.02 | 0.077 | 0.022 | 0.135 | 17.304 | | 4.477 |
| rs11055209 | 12 | 13079252 | 0.436 | 0.02 | 0.623 | 0.019 | 0.187 | 17.29 | | 4.474 |
| rs12925884 | 16 | 74997300 | 0.645 | 0.025 | 0.456 | 0.026 | 0.19 | 17.285 | | 4.473 |
| rs342161 | 12 | 61417921 | 0.83 | 0.008 | 0.665 | 0.026 | 0.165 | 17.284 | | 4.473 |
| rs17716231 | 5 | 55940704 | 0.887 | 0.015 | 0.739 | 0.018 | 0.148 | 17.282 | | 4.472 |
| rs8108689 | 19 | 53030647 | 0.349 | 0.018 | 0.18 | 0.029 | 0.169 | 17.27 | | 4.47 |
| rs1441460 | 2 | 141182854 | 0.309 | 0.021 | 0.495 | 0.024 | 0.186 | 17.268 | | 4.469 |
| rs17608729 | 6 | 12175795 | 0.926 | 0.008 | 0.791 | 0.026 | 0.135 | 17.241 | | 4.463 |
| rs10790059 | 11 | 114323384 | 0.529 | 0.031 | 0.716 | 0.024 | 0.186 | 17.239 | | 4.462 |
| rs6764861 | 3 | 157440910 | 0.654 | 0.02 | 0.467 | 0.02 | 0.186 | 17.231 | | 4.46 |
| rs6475500 | 9 | 2106037 | 0.771 | 0.027 | 0.914 | 0.024 | 0.143 | 17.23 | | 4.46 |
| rs14138 | 2 | 46267950 | 0.901 | 0.018 | 0.753 | 0.029 | 0.148 | 17.202 | | 4.453 |
| rs2681561 | 8 | 61166874 | 0.134 | 0.017 | 0.289 | 0.021 | 0.155 | 17.192 | | 4.451 |
| rs5972224 | 23 | 30663299 | 0.655 | 0.013 | 0.818 | 0.014 | 0.163 | 17.185 | | 4.45 |
| rs304234 | 3 | 62838509 | 0.666 | 0.03 | 0.475 | 0.026 | 0.19 | 17.184 | | 4.449 |
| rs11098783 | 4 | 126098506 | 0.478 | 0.023 | 0.288 | 0.039 | 0.19 | 17.179 | | 4.448 |
| rs989263 | 4 | 25111481 | 0.446 | 0.015 | 0.268 | 0.015 | 0.177 | 17.172 | | 4.447 |
| rs2086735 | 4 | 65006948 | 0.364 | 0.035 | 0.555 | 0.016 | 0.19 | 17.172 | | 4.447 |
| rs7018020 | 8 | 24254459 | 0.789 | 0.025 | 0.922 | 0.008 | 0.133 | 17.172 | | 4.446 |
| rs1062967 | 19 | 58033964 | 0.552 | 0.022 | 0.366 | 0.013 | 0.185 | 17.166 | | 4.445 |
| rs613930 | 22 | 18565119 | 0.84 | 0.014 | 0.681 | 0.016 | 0.159 | 17.165 | | 4.445 |
| rs2011057 | 1 | 82830743 | 0.95 | 0.01 | 0.832 | 0.015 | 0.118 | 17.151 | | 4.442 |
| rs11594292 | 10 | 7987554 | 0.278 | 0.029 | 0.465 | 0.03 | 0.187 | 17.148 | | 4.441 |
| rs1503222 | 4 | 94369122 | 0.803 | 0.016 | 0.627 | 0.036 | 0.176 | 17.145 | | 4.44 |
| rs730043 | 14 | 90279368 | 0.673 | 0.032 | 0.839 | 0.022 | 0.166 | 17.129 | | 4.436 |
| rs947699 | 10 | 42813903 | 0.921 | 0.01 | 0.789 | 0.016 | 0.132 | 17.126 | | 4.436 |
| rs12897338 | 14 | 99914121 | 0.654 | 0.013 | 0.462 | 0.039 | 0.192 | 17.118 | | 4.434 |
| rs1336188 | 10 | 24602996 | 0.462 | 0.012 | 0.284 | 0.017 | 0.178 | 17.113 | | 4.433 |
| rs11228364 | 11 | 68340260 | 0.932 | 0.016 | 0.806 | 0.009 | 0.126 | 17.099 | | 4.429 |
| rs17353731 | 8 | 35599010 | 0.219 | 0.02 | 0.084 | 0.016 | 0.135 | 17.089 | | 4.427 |
| rs7732691 | 5 | 157890220 | 0.697 | 0.018 | 0.515 | 0.016 | 0.182 | 17.078 | | 4.424 |
| rs4691047 | 4 | 156817458 | 0.616 | 0.019 | 0.431 | 0.015 | 0.185 | 17.061 | | 4.421 |
| rs9530416 | 13 | 74724236 | 0.429 | 0.026 | 0.622 | 0.035 | 0.193 | 17.058 | | 4.42 |
| rs7101294 | 10 | 8062879 | 0.409 | 0.026 | 0.598 | 0.023 | 0.189 | 17.056 | | 4.419 |
| rs5945683 | 23 | 102483751 | 0.42 | 0.017 | 0.245 | 0.018 | 0.175 | 17.049 | | 4.418 |
| rs436323 | 2 | 141194938 | 0.893 | 0.021 | 0.749 | 0.011 | 0.144 | 17.043 | | 4.416 |
| rs2440154 | 17 | 19385579 | 0.688 | 0.025 | 0.505 | 0.013 | 0.183 | 17.038 | | 4.415 |
| rs2743709 | 23 | 102446504 | 0.722 | 0.018 | 0.54 | 0.028 | 0.182 | 17.029 | | 4.413 |
| rs935988 | 11 | 73308577 | 0.749 | 0.033 | 0.899 | 0.025 | 0.15 | 17.023 | | 4.411 |
| rs11230221 | 11 | 59791812 | 0.809 | 0.018 | 0.933 | 0.005 | 0.124 | 17.005 | | 4.407 |
| rs7814711 | 8 | 113740466 | 0.183 | 0.018 | 0.35 | 0.023 | 0.167 | 17.001 | | 4.406 |
| rs4782796 | 16 | 82048880 | 0.569 | 0.014 | 0.386 | 0.014 | 0.184 | 16.999 | | 4.406 |
| rs7877366 | 23 | 87897811 | 0.854 | 0.028 | 0.688 | 0.033 | 0.166 | 16.98 | | 4.402 |
| rs763290 | 7 | 21717467 | 0.214 | 0.013 | 0.083 | 0.009 | 0.13 | 16.971 | | 4.399 |
| rs7315435 | 12 | 67570597 | 0.738 | 0.012 | 0.881 | 0.011 | 0.144 | 16.967 | | 4.399 |
| rs11186622 | 10 | 93350311 | 0.922 | 0.007 | 0.793 | 0.014 | 0.13 | 16.964 | | 4.398 |
| rs5975081 | 23 | 128096632 | 0.219 | 0.017 | 0.086 | 0.011 | 0.133 | 16.964 | | 4.398 |
| rs2940341 | 7 | 112996798 | 0.798 | 0.02 | 0.927 | 0.014 | 0.129 | 16.963 | | 4.397 |
| rs13078635 | 3 | 143055185 | 0.394 | 0.014 | 0.222 | 0.023 | 0.172 | 16.955 | | 4.396 |
| rs1865749 | 10 | 51683440 | 0.86 | 0.007 | 0.71 | 0.007 | 0.15 | 16.939 | | 4.392 |
| rs7560823 | 2 | 17742892 | 0.499 | 0.02 | 0.313 | 0.029 | 0.185 | 16.938 | | 4.392 |
| rs10111989 | 8 | 128971174 | 0.756 | 0.018 | 0.581 | 0.018 | 0.175 | 16.934 | | 4.391 |
| rs971472 | 4 | 20586746 | 0.749 | 0.011 | 0.89 | 0.013 | 0.141 | 16.896 | | 4.382 |
| rs2327221 | 6 | 10143861 | 0.679 | 0.027 | 0.839 | 0.012 | 0.16 | 16.882 | | 4.378 |
| rs12408395 | 1 | 145372992 | 0.668 | 0.035 | 0.482 | 0.009 | 0.186 | 16.875 | | 4.377 |
| rs5958727 | 23 | 116617759 | 0.183 | 0.019 | 0.061 | 0.01 | 0.122 | 16.873 | | 4.376 |
| rs824506 | 2 | 19593857 | 0.168 | 0.025 | 0.331 | 0.018 | 0.163 | 16.863 | | 4.374 |
| rs382479 | 9 | 81736008 | 0.657 | 0.029 | 0.464 | 0.038 | 0.193 | 16.823 | | 4.365 |
| rs10166217 | 2 | 141114959 | 0.699 | 0.013 | 0.516 | 0.027 | 0.182 | 16.82 | | 4.364 |
| rs5966808 | 23 | 97295184 | 0.845 | 0.026 | 0.677 | 0.036 | 0.168 | 16.815 | | 4.363 |
| rs855775 | 10 | 119319331 | 0.638 | 0.013 | 0.802 | 0.01 | 0.163 | 16.802 | | 4.36 |
| rs187117 | 9 | 88219523 | 0.654 | 0.021 | 0.824 | 0.035 | 0.169 | 16.797 | | 4.359 |
| rs9537312 | 13 | 32840308 | 0.78 | 0.012 | 0.609 | 0.021 | 0.17 | 16.785 | | 4.356 |
| rs7029222 | 9 | 83363306 | 0.675 | 0.016 | 0.832 | 0.012 | 0.158 | 16.776 | | 4.354 |
| rs5927110 | 23 | 32834862 | 0.609 | 0.023 | 0.425 | 0.013 | 0.184 | 16.771 | | 4.353 |
| rs3905075 | 13 | 107261220 | 0.722 | 0.017 | 0.545 | 0.018 | 0.178 | 16.767 | | 4.352 |
| rs7869795 | 9 | 138033695 | 0.347 | 0.017 | 0.534 | 0.033 | 0.187 | 16.76 | | 4.35 |
| rs10517884 | 4 | 64840686 | 0.674 | 0.029 | 0.837 | 0.023 | 0.163 | 16.74 | | 4.345 |
| rs7000631 | 8 | 70771992 | 0.27 | 0.026 | 0.45 | 0.021 | 0.18 | 16.738 | | 4.345 |
| rs10499878 | 7 | 83477623 | 0.203 | 0.025 | 0.073 | 0.014 | 0.13 | 16.732 | | 4.343 |
| rs2372176 | 12 | 97258308 | 0.763 | 0.021 | 0.903 | 0.019 | 0.14 | 16.701 | | 4.336 |
| rs10895895 | 11 | 105412436 | 0.821 | 0.03 | 0.945 | 0.013 | 0.124 | 16.697 | | 4.335 |
| rs8046199 | 16 | 49570048 | 0.801 | 0.032 | 0.623 | 0.034 | 0.178 | 16.696 | | 4.335 |
| rs10108350 | 8 | 56682227 | 0.82 | 0.025 | 0.942 | 0.008 | 0.122 | 16.692 | | 4.334 |
| rs12169718 | 22 | 22145573 | 0.572 | 0.037 | 0.757 | 0.033 | 0.184 | 16.69 | | 4.333 |
| rs2486674 | 1 | 28292971 | 0.118 | 0.016 | 0.265 | 0.02 | 0.147 | 16.689 | | 4.333 |
| rs2880695 | 3 | 87916587 | 0.845 | 0.015 | 0.687 | 0.024 | 0.159 | 16.684 | | 4.332 |
| rs2380567 | 8 | 70775246 | 0.69 | 0.009 | 0.512 | 0.015 | 0.178 | 16.66 | | 4.326 |
| rs10255690 | 7 | 109039279 | 0.741 | 0.019 | 0.886 | 0.018 | 0.145 | 16.641 | | 4.322 |
| rs6467383 | 7 | 131025900 | 0.289 | 0.031 | 0.476 | 0.033 | 0.187 | 16.638 | | 4.321 |
| rs2589398 | 5 | 124744057 | 0.188 | 0.029 | 0.357 | 0.022 | 0.169 | 16.638 | | 4.321 |
| rs11682970 | 2 | 7394637 | 0.203 | 0.025 | 0.073 | 0.013 | 0.13 | 16.623 | | 4.318 |
| rs1972844 | 8 | 23685197 | 0.927 | 0.012 | 0.8 | 0.014 | 0.127 | 16.603 | | 4.313 |
| rs960935 | 9 | 89208253 | 0.318 | 0.022 | 0.16 | 0.018 | 0.158 | 16.602 | | 4.313 |
| rs17193526 | 3 | 1475657 | 0.078 | 0.008 | 0.205 | 0.007 | 0.127 | 16.591 | | 4.31 |
| rs12730226 | 1 | 119590812 | 0.896 | 0.015 | 0.757 | 0.011 | 0.139 | 16.58 | | 4.308 |
| rs1736894 | 6 | 28294533 | 0.913 | 0.014 | 0.779 | 0.014 | 0.133 | 16.576 | | 4.307 |
| rs6657743 | 1 | 244960571 | 0.718 | 0.012 | 0.869 | 0.028 | 0.152 | 16.569 | | 4.305 |
| rs11123646 | 2 | 4355598 | 0.217 | 0.029 | 0.082 | 0.015 | 0.135 | 16.564 | | 4.304 |
| rs4649923 | 1 | 70800739 | 0.258 | 0.012 | 0.112 | 0.028 | 0.146 | 16.558 | | 4.303 |
| rs884847 | 12 | 116207996 | 0.825 | 0.011 | 0.664 | 0.021 | 0.161 | 16.556 | | 4.302 |
| rs4432612 | 3 | 43675296 | 0.754 | 0.013 | 0.893 | 0.013 | 0.138 | 16.537 | | 4.298 |
| rs2279120 | 8 | 99115216 | 0.905 | 0.011 | 0.77 | 0.01 | 0.134 | 16.531 | | 4.296 |
| rs17597497 | 13 | 32724644 | 0.186 | 0.016 | 0.353 | 0.03 | 0.167 | 16.53 | | 4.296 |
| rs6076316 | 20 | 25020682 | 0.804 | 0.015 | 0.928 | 0.01 | 0.124 | 16.51 | | 4.291 |
| rs6672666 | 1 | 236499507 | 0.388 | 0.019 | 0.221 | 0.01 | 0.167 | 16.5 | | 4.289 |
| rs13232763 | 7 | 126643465 | 0.06 | 0.007 | 0.18 | 0.016 | 0.12 | 16.497 | | 4.288 |
| rs2869675 | 20 | 46854087 | 0.699 | 0.018 | 0.852 | 0.018 | 0.153 | 16.497 | | 4.288 |
| rs4446300 | 4 | 18300322 | 0.908 | 0.016 | 0.771 | 0.018 | 0.137 | 16.496 | | 4.288 |
| rs7527726 | 1 | 104537534 | 0.592 | 0.012 | 0.761 | 0.008 | 0.168 | 16.492 | | 4.287 |
| rs6803060 | 3 | 155056518 | 0.136 | 0.015 | 0.285 | 0.012 | 0.149 | 16.49 | | 4.287 |
| rs11675147 | 2 | 134043638 | 0.77 | 0.029 | 0.588 | 0.037 | 0.181 | 16.481 | | 4.285 |
| rs228146 | 6 | 55744214 | 0.532 | 0.03 | 0.713 | 0.02 | 0.181 | 16.478 | | 4.284 |
| rs2016891 | 12 | 12112697 | 0.522 | 0.022 | 0.337 | 0.029 | 0.185 | 16.476 | | 4.283 |
| rs12939263 | 17 | 9067735 | 0.745 | 0.016 | 0.887 | 0.019 | 0.142 | 16.475 | | 4.283 |
| rs1462559 | 11 | 23390247 | 0.641 | 0.019 | 0.811 | 0.035 | 0.17 | 16.464 | | 4.281 |
| rs2403686 | 11 | 21848419 | 0.611 | 0.023 | 0.424 | 0.028 | 0.186 | 16.461 | | 4.28 |
| rs10115928 | 9 | 106690664 | 0.502 | 0.038 | 0.689 | 0.027 | 0.188 | 16.455 | | 4.279 |
| rs1353851 | 8 | 138032618 | 0.794 | 0.018 | 0.921 | 0.007 | 0.127 | 16.451 | | 4.278 |
| rs1368845 | 8 | 120743634 | 0.686 | 0.029 | 0.844 | 0.016 | 0.158 | 16.436 | | 4.274 |
| rs287943 | 6 | 157265904 | 0.582 | 0.017 | 0.4 | 0.019 | 0.182 | 16.433 | | 4.273 |
| rs11874742 | 18 | 3387434 | 0.741 | 0.013 | 0.882 | 0.012 | 0.141 | 16.432 | | 4.273 |
| rs11136864 | 8 | 521083 | 0.088 | 0.017 | 0.22 | 0.008 | 0.132 | 16.418 | | 4.27 |
| rs1420449 | 12 | 97284162 | 0.325 | 0.01 | 0.171 | 0.004 | 0.154 | 16.414 | | 4.269 |
| rs4801699 | 19 | 61477043 | 0.165 | 0.012 | 0.053 | 0.007 | 0.112 | 16.397 | | 4.265 |
| rs2509765 | 8 | 102559556 | 0.11 | 0.011 | 0.249 | 0.012 | 0.14 | 16.373 | | 4.259 |
| rs4933411 | 10 | 88548451 | 0.612 | 0.021 | 0.782 | 0.023 | 0.17 | 16.358 | | 4.256 |
| rs7910464 | 10 | 132744074 | 0.685 | 0.023 | 0.506 | 0.017 | 0.18 | 16.358 | | 4.256 |
| rs1368321 | 5 | 155460612 | 0.731 | 0.014 | 0.874 | 0.01 | 0.143 | 16.351 | | 4.254 |
| rs11646484 | 16 | 82048275 | 0.649 | 0.028 | 0.465 | 0.02 | 0.184 | 16.342 | | 4.252 |
| rs2210463 | 9 | 6217752 | 0.332 | 0.017 | 0.174 | 0.016 | 0.158 | 16.339 | | 4.251 |
| rs17065524 | 5 | 175177971 | 0.248 | 0.019 | 0.107 | 0.02 | 0.141 | 16.338 | | 4.251 |
| rs1439278 | 4 | 182687203 | 0.789 | 0.021 | 0.618 | 0.028 | 0.171 | 16.336 | | 4.251 |
| rs1891981 | 9 | 137244318 | 0.505 | 0.023 | 0.325 | 0.019 | 0.18 | 16.33 | | 4.249 |
| rs1435805 | 2 | 51922011 | 0.708 | 0.021 | 0.859 | 0.013 | 0.15 | 16.319 | | 4.247 |
| rs1180626 | 8 | 116545569 | 0.227 | 0.039 | 0.083 | 0.025 | 0.144 | 16.314 | | 4.245 |
| rs9864101 | 3 | 13165384 | 0.214 | 0.018 | 0.383 | 0.023 | 0.169 | 16.313 | | 4.245 |
| rs6779517 | 3 | 48359392 | 0.721 | 0.019 | 0.545 | 0.016 | 0.175 | 16.31 | | 4.244 |
| rs10982107 | 9 | 116012776 | 0.714 | 0.016 | 0.862 | 0.012 | 0.148 | 16.307 | | 4.244 |
| rs9299108 | 9 | 107473828 | 0.21 | 0.035 | 0.07 | 0.031 | 0.14 | 16.305 | | 4.243 |
| rs2921923 | 10 | 55332095 | 0.551 | 0.034 | 0.367 | 0.012 | 0.184 | 16.302 | | 4.243 |
| rs1856757 | 6 | 140775548 | 0.748 | 0.028 | 0.893 | 0.019 | 0.144 | 16.295 | | 4.241 |
| rs4268 | 7 | 92598438 | 0.624 | 0.028 | 0.799 | 0.038 | 0.175 | 16.291 | | 4.24 |
| rs2949861 | 11 | 93451687 | 0.679 | 0.032 | 0.495 | 0.021 | 0.184 | 16.279 | | 4.237 |
| rs4236317 | 7 | 3101119 | 0.686 | 0.027 | 0.506 | 0.011 | 0.179 | 16.256 | | 4.232 |
| rs12956276 | 18 | 51326964 | 0.772 | 0.02 | 0.6 | 0.027 | 0.172 | 16.253 | | 4.231 |
| rs3123719 | 10 | 42760035 | 0.775 | 0.029 | 0.914 | 0.024 | 0.139 | 16.237 | | 4.227 |
| rs1466199 | 11 | 44843130 | 0.613 | 0.014 | 0.434 | 0.008 | 0.179 | 16.235 | | 4.227 |
| rs7807 | 7 | 156754403 | 0.29 | 0.018 | 0.139 | 0.023 | 0.151 | 16.214 | | 4.222 |
| rs4129728 | 9 | 24744535 | 0.905 | 0.017 | 0.77 | 0.011 | 0.135 | 16.213 | | 4.222 |
| rs2659046 | 17 | 76760486 | 0.764 | 0.014 | 0.901 | 0.02 | 0.137 | 16.207 | | 4.22 |
| rs239066 | 21 | 16587460 | 0.636 | 0.014 | 0.457 | 0.007 | 0.178 | 16.204 | | 4.22 |
| rs11095249 | 23 | 32818799 | 0.57 | 0.024 | 0.388 | 0.019 | 0.182 | 16.171 | | 4.212 |
| rs1900438 | 10 | 55392455 | 0.556 | 0.022 | 0.37 | 0.033 | 0.186 | 16.168 | | 4.211 |
| rs3802120 | 7 | 156670555 | 0.488 | 0.025 | 0.673 | 0.032 | 0.185 | 16.159 | | 4.209 |
| rs6080834 | 20 | 17723259 | 0.706 | 0.015 | 0.855 | 0.009 | 0.148 | 16.149 | | 4.207 |
| rs7501777 | 17 | 39994203 | 0.224 | 0.037 | 0.084 | 0.015 | 0.139 | 16.146 | | 4.206 |
| rs4782022 | 16 | 17211055 | 0.532 | 0.026 | 0.716 | 0.037 | 0.184 | 16.142 | | 4.205 |
| rs1989624 | 3 | 145768802 | 0.227 | 0.022 | 0.093 | 0.011 | 0.134 | 16.136 | | 4.204 |
| rs11646140 | 16 | 29062981 | 0.838 | 0.032 | 0.671 | 0.035 | 0.167 | 16.135 | | 4.203 |
| rs7235209 | 18 | 6461939 | 0.285 | 0.019 | 0.136 | 0.018 | 0.149 | 16.133 | | 4.203 |
| rs12982128 | 19 | 37136408 | 0.353 | 0.018 | 0.532 | 0.011 | 0.178 | 16.13 | | 4.202 |
| rs1381795 | 4 | 83111076 | 0.161 | 0.012 | 0.314 | 0.014 | 0.154 | 16.129 | | 4.202 |
| rs10046283 | 6 | 109525763 | 0.293 | 0.016 | 0.468 | 0.017 | 0.175 | 16.123 | | 4.201 |
| rs1803155 | 3 | 153028291 | 0.256 | 0.028 | 0.113 | 0.008 | 0.143 | 16.122 | | 4.2 |
| rs1024022 | 11 | 25663566 | 0.315 | 0.015 | 0.495 | 0.027 | 0.18 | 16.121 | | 4.2 |
| rs2046632 | 4 | 188338820 | 0.507 | 0.02 | 0.327 | 0.022 | 0.179 | 16.121 | | 4.2 |
| rs10494309 | 1 | 155385045 | 0.249 | 0.012 | 0.112 | 0.01 | 0.137 | 16.105 | | 4.196 |
| rs10519692 | 5 | 121423648 | 0.907 | 0.008 | 0.775 | 0.012 | 0.132 | 16.094 | | 4.194 |
| rs2817866 | 1 | 71276035 | 0.493 | 0.035 | 0.681 | 0.034 | 0.188 | 16.085 | | 4.192 |
| rs13279835 | 8 | 13198309 | 0.596 | 0.024 | 0.769 | 0.028 | 0.173 | 16.081 | | 4.191 |
| rs637094 | 19 | 6028059 | 0.201 | 0.012 | 0.078 | 0.006 | 0.123 | 16.042 | | 4.182 |
| rs970522 | 1 | 236491358 | 0.758 | 0.016 | 0.589 | 0.017 | 0.169 | 16.03 | | 4.179 |
| rs12808612 | 11 | 105093280 | 0.194 | 0.02 | 0.071 | 0.01 | 0.123 | 16.025 | | 4.178 |
| rs2061245 | 3 | 109529361 | 0.291 | 0.021 | 0.468 | 0.023 | 0.177 | 16.024 | | 4.178 |
| rs11665853 | 19 | 51526523 | 0.067 | 0.008 | 0.186 | 0.012 | 0.12 | 16.022 | | 4.177 |
| rs6952343 | 7 | 3088355 | 0.408 | 0.013 | 0.24 | 0.021 | 0.169 | 16.005 | | 4.173 |
| rs7890512 | 23 | 113237122 | 0.378 | 0.011 | 0.216 | 0.006 | 0.162 | 15.99 | | 4.17 |
| rs2055073 | 5 | 24960554 | 0.509 | 0.04 | 0.318 | 0.038 | 0.191 | 15.986 | | 4.168 |
| rs12056907 | 8 | 28296011 | 0.824 | 0.006 | 0.942 | 0.023 | 0.118 | 15.976 | | 4.166 |
| rs17065522 | 5 | 175174991 | 0.711 | 0.016 | 0.858 | 0.015 | 0.148 | 15.976 | | 4.166 |
| rs7626957 | 3 | 3577046 | 0.066 | 0.011 | 0.186 | 0.015 | 0.121 | 15.975 | | 4.166 |
| rs9428859 | 1 | 239306485 | 0.686 | 0.022 | 0.842 | 0.022 | 0.156 | 15.97 | | 4.165 |
| rs3109915 | 4 | 55334304 | 0.096 | 0.021 | 0.244 | 0.04 | 0.148 | 15.968 | | 4.164 |
| rs7852660 | 9 | 117501644 | 0.349 | 0.033 | 0.533 | 0.024 | 0.184 | 15.966 | | 4.164 |
| rs7259845 | 19 | 12047761 | 0.234 | 0.019 | 0.098 | 0.019 | 0.136 | 15.96 | | 4.162 |
| rs7100028 | 10 | 131538677 | 0.208 | 0.009 | 0.083 | 0.012 | 0.125 | 15.958 | | 4.162 |
| rs12853685 | 13 | 89702840 | 0.882 | 0.013 | 0.737 | 0.025 | 0.145 | 15.939 | | 4.157 |
| rs61305 | 14 | 69529784 | 0.528 | 0.012 | 0.701 | 0.012 | 0.173 | 15.936 | | 4.157 |
| rs10504456 | 8 | 70760103 | 0.719 | 0.006 | 0.863 | 0.016 | 0.145 | 15.935 | | 4.157 |
| rs10500233 | 19 | 33306533 | 0.114 | 0.012 | 0.254 | 0.015 | 0.14 | 15.922 | | 4.153 |
| rs4563945 | 9 | 9267320 | 0.443 | 0.022 | 0.624 | 0.021 | 0.181 | 15.905 | | 4.149 |
| rs16967543 | 16 | 63074989 | 0.179 | 0.031 | 0.056 | 0.019 | 0.124 | 15.885 | | 4.145 |
| rs11955321 | 5 | 108280130 | 0.54 | 0.025 | 0.718 | 0.028 | 0.178 | 15.881 | | 4.144 |
| rs8097533 | 18 | 64215820 | 0.2 | 0.015 | 0.363 | 0.022 | 0.163 | 15.877 | | 4.143 |
| rs950864 | 5 | 2720858 | 0.828 | 0.012 | 0.672 | 0.018 | 0.156 | 15.87 | | 4.141 |
| rs7834389 | 8 | 23621823 | 0.921 | 0.012 | 0.787 | 0.029 | 0.133 | 15.869 | | 4.141 |
| rs853750 | 1 | 212110782 | 0.801 | 0.011 | 0.924 | 0.015 | 0.123 | 15.862 | | 4.139 |
| rs281851 | 10 | 13006501 | 0.489 | 0.03 | 0.304 | 0.038 | 0.185 | 15.858 | | 4.138 |
| rs12347619 | 9 | 17900983 | 0.772 | 0.027 | 0.908 | 0.016 | 0.136 | 15.85 | | 4.137 |
| rs11123636 | 2 | 4304979 | 0.714 | 0.031 | 0.865 | 0.015 | 0.151 | 15.849 | | 4.136 |
| rs10014304 | 4 | 62683515 | 0.755 | 0.028 | 0.901 | 0.032 | 0.145 | 15.848 | | 4.136 |
| rs10074635 | 5 | 128134369 | 0.825 | 0.018 | 0.668 | 0.017 | 0.157 | 15.837 | | 4.134 |
| rs13035292 | 2 | 76532292 | 0.207 | 0.032 | 0.077 | 0.009 | 0.13 | 15.835 | | 4.133 |
| rs7275311 | 21 | 22188054 | 0.691 | 0.014 | 0.842 | 0.016 | 0.151 | 15.832 | | 4.132 |
| rs2244352 | 21 | 39679843 | 0.707 | 0.019 | 0.534 | 0.014 | 0.174 | 15.83 | | 4.132 |
| rs4944457 | 11 | 83414627 | 0.711 | 0.014 | 0.86 | 0.023 | 0.149 | 15.825 | | 4.131 |
| rs2235121 | 8 | 2027511 | 0.615 | 0.016 | 0.437 | 0.014 | 0.178 | 15.82 | | 4.13 |
| rs4981990 | 14 | 32133651 | 0.807 | 0.027 | 0.931 | 0.007 | 0.124 | 15.814 | | 4.128 |
| rs992564 | 11 | 130841284 | 0.83 | 0.02 | 0.946 | 0.016 | 0.116 | 15.81 | | 4.127 |
| rs2585423 | 20 | 52236396 | 0.085 | 0.014 | 0.212 | 0.009 | 0.127 | 15.806 | | 4.126 |
| rs4922517 | 10 | 47988862 | 0.751 | 0.038 | 0.574 | 0.018 | 0.176 | 15.805 | | 4.126 |
| rs3988460 | 8 | 13208585 | 0.406 | 0.018 | 0.585 | 0.019 | 0.179 | 15.798 | | 4.124 |
| rs229053 | 21 | 27238139 | 0.462 | 0.031 | 0.285 | 0.021 | 0.178 | 15.794 | | 4.123 |
| rs969977 | 14 | 25285860 | 0.724 | 0.025 | 0.869 | 0.008 | 0.145 | 15.787 | | 4.122 |
| rs3005716 | 9 | 106898302 | 0.317 | 0.012 | 0.493 | 0.021 | 0.176 | 15.787 | | 4.122 |
| rs1757056 | 10 | 13019428 | 0.53 | 0.023 | 0.706 | 0.023 | 0.176 | 15.774 | | 4.119 |
| rs10257637 | 7 | 19582517 | 0.241 | 0.02 | 0.105 | 0.011 | 0.136 | 15.77 | | 4.118 |
| rs514478 | 2 | 141125636 | 0.84 | 0.011 | 0.688 | 0.017 | 0.152 | 15.768 | | 4.117 |
| rs11230767 | 11 | 61183508 | 0.742 | 0.02 | 0.571 | 0.019 | 0.171 | 15.764 | | 4.116 |
| rs8035125 | 15 | 32063461 | 0.279 | 0.025 | 0.129 | 0.028 | 0.15 | 15.759 | | 4.115 |
| rs10902851 | 10 | 124471033 | 0.18 | 0.01 | 0.337 | 0.019 | 0.157 | 15.756 | | 4.115 |
| rs10888307 | 1 | 246191283 | 0.165 | 0.011 | 0.054 | 0.013 | 0.111 | 15.733 | | 4.109 |
| rs669778 | 11 | 111111622 | 0.891 | 0.018 | 0.754 | 0.011 | 0.137 | 15.724 | | 4.107 |
| rs4848637 | 2 | 121295715 | 0.8 | 0.013 | 0.639 | 0.019 | 0.161 | 15.723 | | 4.107 |
| rs2074711 | 7 | 147500603 | 0.239 | 0.015 | 0.106 | 0.008 | 0.133 | 15.713 | | 4.104 |
| rs11710590 | 3 | 128383804 | 0.761 | 0.034 | 0.585 | 0.03 | 0.176 | 15.712 | | 4.104 |
| rs1390484 | 1 | 64603980 | 0.863 | 0.024 | 0.712 | 0.022 | 0.151 | 15.701 | | 4.102 |
| rs1990593 | 7 | 29501850 | 0.809 | 0.019 | 0.649 | 0.015 | 0.159 | 15.698 | | 4.101 |
| rs9659183 | 1 | 195705229 | 0.781 | 0.026 | 0.616 | 0.009 | 0.165 | 15.695 | | 4.1 |
| rs6665154 | 1 | 207644366 | 0.204 | 0.019 | 0.367 | 0.02 | 0.163 | 15.692 | | 4.1 |
| rs2173314 | 6 | 37502851 | 0.833 | 0.006 | 0.943 | 0.008 | 0.11 | 15.689 | | 4.099 |
| rs10487510 | 7 | 113089498 | 0.21 | 0.014 | 0.084 | 0.013 | 0.126 | 15.685 | | 4.098 |
| rs9289675 | 3 | 145608722 | 0.822 | 0.023 | 0.66 | 0.028 | 0.162 | 15.681 | | 4.097 |
| rs4783026 | 16 | 83183331 | 0.797 | 0.019 | 0.922 | 0.011 | 0.124 | 15.676 | | 4.096 |
| rs4691048 | 4 | 156817470 | 0.621 | 0.025 | 0.442 | 0.014 | 0.179 | 15.673 | | 4.095 |
| rs854285 | 1 | 68930778 | 0.301 | 0.033 | 0.142 | 0.031 | 0.158 | 15.672 | | 4.095 |
| rs4878135 | 9 | 89626670 | 0.381 | 0.013 | 0.559 | 0.02 | 0.178 | 15.671 | | 4.095 |
| rs1433116 | 19 | 34217148 | 0.054 | 0.008 | 0.165 | 0.01 | 0.111 | 15.664 | | 4.093 |
| rs2718359 | 7 | 88071380 | 0.712 | 0.021 | 0.859 | 0.014 | 0.147 | 15.654 | | 4.091 |
| rs6067846 | 20 | 49663483 | 0.939 | 0.008 | 0.824 | 0.01 | 0.115 | 15.645 | | 4.088 |
| rs228942 | 22 | 35854565 | 0.897 | 0.011 | 0.764 | 0.008 | 0.133 | 15.644 | | 4.088 |
| rs3756747 | 5 | 128456861 | 0.757 | 0.007 | 0.592 | 0.014 | 0.165 | 15.632 | | 4.085 |
| rs11240009 | 1 | 145308966 | 0.27 | 0.022 | 0.442 | 0.019 | 0.172 | 15.628 | | 4.084 |
| rs9936241 | 16 | 20133145 | 0.758 | 0.026 | 0.897 | 0.023 | 0.14 | 15.627 | | 4.084 |
| rs11063674 | 12 | 5409395 | 0.769 | 0.021 | 0.902 | 0.013 | 0.133 | 15.624 | | 4.084 |
| rs4835147 | 4 | 150059362 | 0.573 | 0.034 | 0.746 | 0.017 | 0.173 | 15.622 | | 4.083 |
| rs4485771 | 4 | 167112983 | 0.574 | 0.026 | 0.746 | 0.022 | 0.172 | 15.606 | | 4.079 |
| rs12524544 | 6 | 1311219 | 0.179 | 0.005 | 0.066 | 0.005 | 0.114 | 15.595 | | 4.077 |
| rs1532303 | 16 | 11317342 | 0.432 | 0.008 | 0.615 | 0.038 | 0.183 | 15.587 | | 4.075 |
| rs1369670 | 2 | 51927124 | 0.783 | 0.036 | 0.917 | 0.006 | 0.134 | 15.583 | | 4.074 |
| rs6997028 | 8 | 58941726 | 0.287 | 0.019 | 0.46 | 0.02 | 0.173 | 15.57 | | 4.071 |
| rs1821687 | 4 | 28918177 | 0.786 | 0.024 | 0.915 | 0.013 | 0.129 | 15.569 | | 4.071 |
| rs10826745 | 10 | 30317493 | 0.612 | 0.014 | 0.436 | 0.011 | 0.176 | 15.567 | | 4.07 |
| rs10982874 | 9 | 117488028 | 0.343 | 0.025 | 0.526 | 0.034 | 0.183 | 15.557 | | 4.068 |
| rs6941183 | 6 | 47105069 | 0.69 | 0.021 | 0.844 | 0.027 | 0.154 | 15.553 | | 4.067 |
| rs10878660 | 12 | 66475494 | 0.901 | 0.02 | 0.766 | 0.015 | 0.135 | 15.548 | | 4.066 |
| rs6882231 | 5 | 130571547 | 0.213 | 0.02 | 0.085 | 0.015 | 0.128 | 15.547 | | 4.066 |
| rs10463368 | 5 | 143549779 | 0.895 | 0.017 | 0.758 | 0.016 | 0.136 | 15.546 | | 4.065 |
| rs12633734 | 3 | 106799459 | 0.805 | 0.013 | 0.642 | 0.031 | 0.163 | 15.542 | | 4.064 |
| rs1524490 | 2 | 5425996 | 0.946 | 0.011 | 0.832 | 0.018 | 0.114 | 15.536 | | 4.063 |
| rs10264093 | 7 | 22104666 | 0.896 | 0.013 | 0.761 | 0.016 | 0.135 | 15.535 | | 4.063 |
| rs10496860 | 2 | 141387720 | 0.17 | 0.016 | 0.057 | 0.011 | 0.113 | 15.508 | | 4.057 |
| rs17608937 | 6 | 12195974 | 0.852 | 0.012 | 0.704 | 0.018 | 0.148 | 15.505 | | 4.056 |
| rs4851712 | 2 | 104721358 | 0.723 | 0.02 | 0.552 | 0.014 | 0.171 | 15.495 | | 4.053 |
| rs2717385 | 3 | 145744416 | 0.735 | 0.028 | 0.558 | 0.032 | 0.177 | 15.494 | | 4.053 |
| rs3763566 | 8 | 29040491 | 0.252 | 0.017 | 0.115 | 0.008 | 0.136 | 15.482 | | 4.05 |
| rs2545699 | 5 | 123665310 | 0.365 | 0.017 | 0.543 | 0.024 | 0.178 | 15.482 | | 4.05 |
| rs10234315 | 7 | 40277907 | 0.894 | 0.02 | 0.758 | 0.013 | 0.136 | 15.474 | | 4.049 |
| rs17547995 | 1 | 233832785 | 0.789 | 0.014 | 0.625 | 0.026 | 0.164 | 15.472 | | 4.048 |
| rs10484102 | 14 | 85967953 | 0.671 | 0.023 | 0.487 | 0.04 | 0.184 | 15.463 | | 4.046 |
| rs2232997 | 19 | 43801815 | 0.834 | 0.023 | 0.947 | 0.008 | 0.113 | 15.455 | | 4.044 |
| rs6497445 | 16 | 20124118 | 0.182 | 0.014 | 0.066 | 0.014 | 0.117 | 15.455 | | 4.044 |
| rs10171038 | 2 | 228736535 | 0.821 | 0.026 | 0.939 | 0.007 | 0.118 | 15.454 | | 4.044 |
| rs2935461 | 13 | 55302250 | 0.145 | 0.026 | 0.298 | 0.025 | 0.153 | 15.446 | | 4.042 |
| rs6587128 | 17 | 21098296 | 0.64 | 0.019 | 0.806 | 0.037 | 0.166 | 15.442 | | 4.041 |
| rs9864940 | 3 | 148918493 | 0.676 | 0.034 | 0.835 | 0.023 | 0.159 | 15.431 | | 4.038 |
| rs12842403 | 23 | 139632284 | 0.516 | 0.016 | 0.692 | 0.03 | 0.176 | 15.429 | | 4.038 |
| rs1574461 | 5 | 55946454 | 0.136 | 0.016 | 0.291 | 0.039 | 0.155 | 15.425 | | 4.037 |
| rs1464717 | 7 | 38018730 | 0.216 | 0.027 | 0.383 | 0.026 | 0.167 | 15.423 | | 4.037 |
| rs7882525 | 23 | 128073663 | 0.816 | 0.011 | 0.932 | 0.009 | 0.116 | 15.422 | | 4.036 |
| rs1078336 | 10 | 129112051 | 0.821 | 0.019 | 0.937 | 0.01 | 0.116 | 15.418 | | 4.035 |
| rs9483364 | 6 | 132323491 | 0.622 | 0.028 | 0.789 | 0.028 | 0.167 | 15.418 | | 4.035 |
| rs11984165 | 7 | 19977014 | 0.281 | 0.013 | 0.45 | 0.013 | 0.169 | 15.414 | | 4.034 |
| rs11227029 | 11 | 105781744 | 0.63 | 0.021 | 0.792 | 0.019 | 0.162 | 15.411 | | 4.034 |
| rs11141754 | 9 | 89148563 | 0.742 | 0.016 | 0.88 | 0.013 | 0.138 | 15.406 | | 4.033 |
| rs564327 | 11 | 125442593 | 0.195 | 0.024 | 0.072 | 0.01 | 0.122 | 15.403 | | 4.032 |
| rs157093 | 20 | 55686362 | 0.638 | 0.014 | 0.796 | 0.016 | 0.158 | 15.396 | | 4.03 |
| rs965921 | 4 | 150276699 | 0.526 | 0.026 | 0.351 | 0.01 | 0.176 | 15.392 | | 4.029 |
| rs6687776 | 1 | 1020428 | 0.755 | 0.014 | 0.89 | 0.014 | 0.134 | 15.383 | | 4.027 |
| rs3848864 | 23 | 47606948 | 0.538 | 0.016 | 0.359 | 0.032 | 0.18 | 15.381 | | 4.027 |
| rs926564 | 6 | 38307237 | 0.809 | 0.032 | 0.646 | 0.019 | 0.163 | 15.381 | | 4.027 |
| rs682181 | 13 | 25738163 | 0.799 | 0.014 | 0.634 | 0.034 | 0.165 | 15.379 | | 4.026 |
| rs10494417 | 1 | 162714062 | 0.222 | 0.018 | 0.094 | 0.01 | 0.129 | 15.376 | | 4.025 |
| rs6503691 | 17 | 37647616 | 0.837 | 0.01 | 0.946 | 0.012 | 0.109 | 15.368 | | 4.024 |
| rs6748326 | 2 | 15065789 | 0.756 | 0.037 | 0.582 | 0.024 | 0.174 | 15.366 | | 4.023 |
| rs2581194 | 3 | 27902734 | 0.756 | 0.033 | 0.584 | 0.022 | 0.172 | 15.362 | | 4.022 |
| rs11113032 | 12 | 105460753 | 0.701 | 0.025 | 0.851 | 0.016 | 0.149 | 15.35 | | 4.019 |
| rs12359797 | 10 | 102608643 | 0.817 | 0.018 | 0.659 | 0.024 | 0.158 | 15.338 | | 4.017 |
| rs9429756 | 1 | 115819431 | 0.707 | 0.026 | 0.535 | 0.011 | 0.172 | 15.331 | | 4.015 |
| rs12308186 | 12 | 105778687 | 0.38 | 0.033 | 0.215 | 0.018 | 0.166 | 15.331 | | 4.015 |
| rs4326550 | 23 | 92467293 | 0.655 | 0.038 | 0.473 | 0.019 | 0.181 | 15.331 | | 4.015 |
| rs1385599 | 14 | 47999211 | 0.556 | 0.037 | 0.371 | 0.029 | 0.184 | 15.325 | | 4.013 |
| rs1539414 | 1 | 196010129 | 0.791 | 0.026 | 0.922 | 0.026 | 0.131 | 15.305 | | 4.009 |
| rs4664354 | 2 | 161252562 | 0.463 | 0.015 | 0.293 | 0.015 | 0.17 | 15.298 | | 4.007 |
| rs3924582 | 6 | 166439877 | 0.467 | 0.016 | 0.295 | 0.021 | 0.172 | 15.297 | | 4.007 |
| rs4719162 | 7 | 70764626 | 0.487 | 0.01 | 0.313 | 0.026 | 0.173 | 15.295 | | 4.007 |
| rs2439938 | 17 | 5082524 | 0.735 | 0.018 | 0.875 | 0.011 | 0.139 | 15.294 | | 4.006 |
| rs6805089 | 3 | 145994245 | 0.781 | 0.019 | 0.909 | 0.009 | 0.128 | 15.293 | | 4.006 |
| rs6003495 | 22 | 21729743 | 0.41 | 0.017 | 0.246 | 0.013 | 0.164 | 15.292 | | 4.006 |
| rs994705 | 4 | 42658294 | 0.834 | 0.016 | 0.684 | 0.012 | 0.151 | 15.291 | | 4.006 |
| rs2972350 | 5 | 121325014 | 0.927 | 0.01 | 0.806 | 0.017 | 0.121 | 15.285 | | 4.004 |
| rs965197 | 22 | 23740266 | 0.653 | 0.017 | 0.48 | 0.007 | 0.173 | 15.274 | | 4.002 |
| rs1914728 | 2 | 88297195 | 0.771 | 0.017 | 0.607 | 0.02 | 0.164 | 15.274 | | 4.002 |
| rs2897074 | 4 | 155157135 | 0.354 | 0.022 | 0.536 | 0.035 | 0.181 | 15.273 | | 4.001 |

Legends: PONV - postoperative nausea and vomiting, SNP - single nucleotide polymorphism

\* - SNPs (and/or its proxies) genotyped in the individual DNA samples