

Supplementary Table 2. Risk-associated SNPs used for calculating Genetic Risk Scores

| SNP | CHR | POS | RA | RAF | OR |
|------------------------------------|-----|-----------|----|----------|------|
| Prostate cancer (Caucasian) | | | | | |
| rs636291 | 1 | 10556097 | A | 0.475272 | 1.18 |
| rs17599629 | 1 | 150658287 | G | 0.04554 | 1.1 |
| rs1218582 | 1 | 154834183 | G | 0.183098 | 1.06 |
| rs4245739 | 1 | 204518842 | A | 0.570025 | 1.1 |
| rs11902236 | 2 | 10117868 | T | 0.071182 | 1.07 |
| rs9287719 | 2 | 10710730 | C | 0.203672 | 1.07 |
| rs1465618 | 2 | 43553949 | T | 0.051076 | 1.27 |
| rs721048 | 2 | 63131731 | A | 0.029344 | 1.15 |
| rs10187424 | 2 | 85794297 | T | 0.342927 | 1.19 |
| rs12621278 | 2 | 173311553 | A | 0.889815 | 1.35 |
| rs2292884 | 2 | 238443226 | G | 0.053824 | 1.14 |
| rs3771570 | 2 | 242382864 | T | 0.021141 | 1.12 |
| rs2660753 | 3 | 87110674 | T | 0.014328 | 1.18 |
| rs7611694 | 3 | 113275624 | A | 0.320356 | 1.1 |
| rs10934853 | 3 | 128038373 | A | 0.083868 | 1.12 |
| rs6763931 | 3 | 141102833 | A | 0.181561 | 1.18 |
| rs10936632 | 3 | 170130102 | A | 0.267599 | 1.14 |
| rs10009409 | 4 | 73855253 | T | 0.095914 | 1.09 |
| rs1894292 | 4 | 74349158 | G | 0.280794 | 1.1 |
| rs12500426 | 4 | 95514609 | A | 0.211324 | 1.07 |
| rs7679673 | 4 | 106061534 | C | 0.337561 | 1.19 |
| rs2121875 | 5 | 44365545 | C | 0.100743 | 1.09 |
| rs6869841 | 5 | 172939426 | T | 0.043639 | 1.07 |
| rs4713266 | 6 | 11219030 | C | 0.282067 | 1.07 |
| rs115457135 | 6 | 30073776 | A | 0.045071 | 1.08 |
| rs130067 | 6 | 31118511 | G | 0.038848 | 1.2 |
| rs3096702 | 6 | 32192331 | A | 0.13235 | 1.07 |
| rs115306967 | 6 | 32400939 | G | 0.458735 | 1.08 |
| rs1983891 | 6 | 41536427 | T | 0.08151 | 1.1 |
| rs2273669 | 6 | 109285189 | G | 0.021141 | 1.07 |
| rs339331 | 6 | 117210052 | T | 0.457517 | 1.13 |
| rs1933488 | 6 | 153441079 | A | 0.318096 | 1.12 |
| rs9364554 | 6 | 160833664 | T | 0.07393 | 1.17 |
| rs12155172 | 7 | 20994491 | A | 0.055319 | 1.11 |
| rs56232506 | 7 | 47437244 | A | 0.220994 | 1.07 |
| rs6465657 | 7 | 97816327 | C | 0.227529 | 1.12 |
| rs2928679 | 8 | 23438975 | A | 0.185502 | 1.53 |
| rs1512268 | 8 | 23526463 | T | 0.182158 | 1.23 |
| rs11135910 | 8 | 25892142 | T | 0.021815 | 1.11 |

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|------------|----|-----------|---|----------|------|
| rs12543663 | 8 | 127924659 | C | 0.095172 | 1.07 |
| rs10086908 | 8 | 128011937 | T | 0.504668 | 1.25 |
| rs1016343 | 8 | 128093297 | T | 0.042766 | 1.28 |
| rs13252298 | 8 | 128095156 | A | 0.495475 | 1.1 |
| rs6983561 | 8 | 128106880 | C | 0.000967 | 1.61 |
| rs16902094 | 8 | 128320346 | G | 0.024806 | 1.21 |
| rs445114 | 8 | 128323181 | T | 0.409728 | 1.1 |
| rs16902104 | 8 | 128340908 | T | 0.024712 | 1.21 |
| rs7000448 | 8 | 128441170 | T | 0.134689 | 1.08 |
| rs11986220 | 8 | 128531689 | A | 0.011513 | 1.56 |
| rs17694493 | 9 | 22041998 | G | 0.018906 | 1.1 |
| rs76934034 | 10 | 46082985 | T | 0.822649 | 1.14 |
| rs10993994 | 10 | 51549496 | T | 0.139054 | 1.57 |
| rs3850699 | 10 | 104414221 | A | 0.461177 | 1.1 |
| rs4962416 | 10 | 126696872 | C | 0.072092 | 1.46 |
| rs7127900 | 11 | 2233574 | A | 0.04012 | 1.28 |
| rs10896449 | 11 | 68994667 | G | 0.235031 | 1.41 |
| rs11568818 | 11 | 102401661 | T | 0.32707 | 1.1 |
| rs11214775 | 11 | 113807181 | G | 0.515524 | 1.08 |
| rs80130819 | 12 | 48419618 | A | 0.824827 | 1.13 |
| rs10875943 | 12 | 49676010 | C | 0.087675 | 1.18 |
| rs902774 | 12 | 53273904 | A | 0.021258 | 1.17 |
| rs1270884 | 12 | 114685571 | A | 0.241769 | 1.07 |
| rs11839053 | 13 | 107063042 | C | 0.001927 | 1.54 |
| rs8008270 | 14 | 53372330 | C | 0.653187 | 1.12 |
| rs7141529 | 14 | 69126744 | C | 0.235031 | 1.09 |
| rs8014671 | 14 | 71092256 | G | 0.35988 | 1.07 |
| rs684232 | 17 | 618965 | C | 0.129744 | 1.1 |
| rs11649743 | 17 | 36074979 | G | 0.66896 | 1.5 |
| rs7501939 | 17 | 36101156 | C | 0.392502 | 1.19 |
| rs11650494 | 17 | 47345186 | A | 0.00461 | 1.15 |
| rs1859962 | 17 | 69108753 | G | 0.237364 | 1.2 |
| rs7241993 | 18 | 76773973 | C | 0.48986 | 1.09 |
| rs8102476 | 19 | 38735613 | C | 0.289444 | 1.12 |
| rs887391 | 19 | 41985624 | T | 0.597374 | 1.15 |
| rs2735839 | 19 | 51364623 | G | 0.751689 | 1.2 |
| rs12480328 | 20 | 49527922 | T | 0.869183 | 1.13 |
| rs2427345 | 20 | 61015611 | C | 0.400689 | 1.06 |
| rs6062509 | 20 | 62362563 | T | 0.495616 | 1.12 |
| rs1041449 | 21 | 42901421 | G | 0.196338 | 1.06 |
| rs2238776 | 22 | 19757892 | G | 0.621732 | 1.09 |
| rs9623117 | 22 | 40452119 | C | 0.047611 | 1.18 |

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|-----------|----|----------|---|----------|------|
| rs5759167 | 22 | 43500212 | G | 0.253311 | 1.14 |
| rs2405942 | X | 9814135 | A | 0.615126 | 1.14 |
| rs5945572 | X | 51229683 | A | 0.128236 | 1.07 |
| rs2807031 | X | 52896949 | C | 0.0314 | 1.07 |
| rs5919432 | X | 67021550 | T | 0.641921 | 1.09 |
| rs6625711 | X | 70139850 | A | 0.031082 | 1.07 |
| rs4844289 | X | 70407983 | G | 0.144172 | 1.05 |

Prostate cancer (African American)

| | | | | | |
|-------------|----|-----------|---|----------|----------|
| rs4245739 | 1 | 204518842 | A | 0.595058 | 1.09 |
| rs10187424 | 2 | 85794297 | T | 0.125387 | 0.833333 |
| rs12621278 | 2 | 173311553 | A | 0.973577 | 1.48 |
| rs2292884 | 2 | 238443226 | G | 0.316406 | 1.1 |
| rs7679673 | 4 | 106061534 | C | 0.147994 | 1.14 |
| rs12653946 | 5 | 1895829 | T | 0.15992 | 1.09 |
| rs130067 | 6 | 31118511 | G | 0.036941 | 0.82 |
| rs1983891 | 6 | 41536427 | T | 0.232613 | 1.12 |
| rs339331 | 6 | 117210052 | T | 0.583543 | 1.19 |
| rs9364554 | 6 | 160833664 | T | 0.004369 | 1.18 |
| rs10486567 | 7 | 27976563 | G | 0.511654 | 1.19 |
| rs56232506 | 7 | 47437244 | A | 0.01199 | 1.29 |
| rs1512268 | 8 | 23526463 | T | 0.416799 | 0.862069 |
| rs12543663 | 8 | 127924659 | A | 0.743561 | 1.162791 |
| rs10086908 | 8 | 128011937 | T | 0.575171 | 1.28 |
| rs13252298 | 8 | 128095156 | A | 0.868065 | 1.15 |
| rs6983561 | 8 | 128106880 | C | 0.198025 | 1.29 |
| rs116041037 | 8 | 128131809 | A | 0.000949 | 2.67 |
| rs445114 | 8 | 128323181 | T | 0.1133 | 1.09 |
| rs6983267 | 8 | 128413305 | G | 0.80425 | 1.33 |
| rs7000448 | 8 | 128441170 | T | 0.450509 | 1.14 |
| rs11986220 | 8 | 128531689 | A | 0.003931 | 1.38 |
| rs817826 | 9 | 110156300 | C | 0.088506 | 1.08 |
| rs10993994 | 10 | 51549496 | T | 0.369542 | 1.1 |
| rs7127900 | 11 | 2233574 | A | 0.134396 | 1.1 |
| rs10896449 | 11 | 68994667 | G | 0.478034 | 1.15 |
| rs10875943 | 12 | 49676010 | C | 0.397404 | 1.15 |
| rs1270884 | 12 | 114685571 | A | 0.036902 | 1.22 |
| rs684232 | 17 | 618965 | C | 0.43178 | 0.925926 |
| rs11650494 | 17 | 47345186 | A | 0.055413 | 1.1 |
| rs7210100 | 17 | 47436749 | A | 0.003158 | 1.51 |
| rs8102476 | 19 | 38735613 | C | 0.565504 | 1.08 |
| rs5759167 | 22 | 43500212 | G | 0.568667 | 1.15 |
| rs5945572 | X | 51229683 | A | 0.081796 | 1.08 |

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|-------------------------------------|----|-----------|---|----------|----------|
| rs5919432 | X | 67021550 | T | 0.146153 | 0.900901 |
| Prostate cancer (East Asian) | | | | | |
| rs13385191 | 2 | 20888265 | G | 0.162812 | 1.1 |
| rs1465618 | 2 | 43553949 | T | 0.541696 | 1.17 |
| rs721048 | 2 | 63131731 | A | 0.001624 | 1.39 |
| rs10187424 | 2 | 85794297 | T | 0.362645 | 1.12 |
| rs12621278 | 2 | 173311553 | A | 0.523452 | 1.14 |
| rs2660753 | 3 | 87110674 | T | 0.054429 | 1.19 |
| rs2055109 | 3 | 87467332 | C | 0.00257 | 1.29 |
| rs7611694 | 3 | 113275624 | A | 0.096162 | 1.16 |
| rs6763931 | 3 | 141102833 | A | 0.102208 | 1.11 |
| rs7679673 | 4 | 106061534 | C | 0.041209 | 1.16 |
| rs12653946 | 5 | 1895829 | T | 0.104717 | 1.26 |
| rs1983891 | 6 | 41536427 | T | 0.104329 | 1.15 |
| rs339331 | 6 | 117210052 | T | 0.411651 | 1.23 |
| rs9364554 | 6 | 160833664 | C | 0.494209 | 1.1 |
| rs12155172 | 7 | 20994491 | A | 0.065331 | 1.14 |
| rs10486567 | 7 | 27976563 | G | 0.014352 | 1.15 |
| rs6465657 | 7 | 97816327 | C | 0.742527 | 1.14 |
| rs1512268 | 8 | 23526463 | T | 0.087143 | 1.32 |
| rs10086908 | 8 | 128011937 | T | 0.67947 | 1.2 |
| rs13252298 | 8 | 128095156 | A | 0.437318 | 1.38 |
| rs16901979 | 8 | 128124916 | A | 0.06938 | 1.39 |
| rs620861 | 8 | 128335673 | G | 0.32707 | 1.13 |
| rs6983267 | 8 | 128413305 | G | 0.167526 | 1.23 |
| rs1447295 | 8 | 128485038 | A | 0.020678 | 1.54 |
| rs817826 | 9 | 110156300 | C | 0.012078 | 1.49 |
| rs10993994 | 10 | 51549496 | T | 0.236002 | 1.2 |
| rs3850699 | 10 | 104414221 | A | 0.633934 | 1.17 |
| rs2252004 | 10 | 122844709 | C | 0.48567 | 1.17 |
| rs12791447 | 11 | 7556577 | G | 0.012522 | 1.23 |
| rs1938781 | 11 | 58915110 | G | 0.093452 | 1.17 |
| rs11568818 | 11 | 102401661 | T | 0.852668 | 1.21 |
| rs10875943 | 12 | 49676010 | C | 0.732051 | 1.15 |
| rs9600079 | 13 | 73728139 | T | 0.222878 | 1.24 |
| rs7153648 | 14 | 61122526 | C | 0.029515 | 1.15 |
| rs58262369 | 14 | 64693912 | T | 0.010878 | 1.28 |
| rs11649743 | 17 | 36074979 | G | 0.445289 | 1.18 |
| rs4430796 | 17 | 36098040 | A | 0.514519 | 1.23 |
| rs7241993 | 18 | 76773973 | C | 0.32982 | 1.14 |
| rs887391 | 19 | 41985624 | T | 0.36857 | 1.1 |
| rs103294 | 19 | 54797848 | C | 0.257455 | 1.34 |

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|----------------------------------|----|-----------|---|----------|------|
| rs5759167 | 22 | 43500212 | G | 0.473482 | 1.15 |
| Breast cancer (Caucasian) | | | | | |
| rs616488 | 1 | 10566215 | A | 0.455355 | 1.06 |
| rs11552449 | 1 | 114448389 | T | 0.030276 | 1.07 |
| rs11249433 | 1 | 121280613 | G | 0.151165 | 1.09 |
| rs12405132 | 1 | 145644984 | C | 0.378102 | 1.05 |
| rs12048493 | 1 | 149927034 | C | 0.147686 | 1.07 |
| rs72755295 | 1 | 242034263 | G | 0.001005 | 1.15 |
| rs12710696 | 2 | 19320803 | T | 0.128881 | 1.1 |
| rs4849887 | 2 | 121245122 | C | 0.820836 | 1.1 |
| rs2016394 | 2 | 172972971 | G | 0.272797 | 1.05 |
| rs1550623 | 2 | 174212894 | A | 0.721141 | 1.06 |
| rs1045485 | 2 | 202149589 | G | 0.763701 | 1.03 |
| rs13387042 | 2 | 217905832 | A | 0.271754 | 1.14 |
| rs16857609 | 2 | 218296508 | T | 0.063454 | 1.08 |
| rs6762644 | 3 | 4742276 | G | 0.1444 | 1.07 |
| rs4973768 | 3 | 27416013 | T | 0.221558 | 1.11 |
| rs12493607 | 3 | 30682939 | C | 0.130755 | 1.06 |
| rs6796502 | 3 | 46866866 | G | 0.807662 | 1.09 |
| rs1053338 | 3 | 63967900 | G | 0.01486 | 1.08 |
| rs9790517 | 4 | 106084778 | T | 0.057648 | 1.05 |
| rs6828523 | 4 | 175846426 | C | 0.770357 | 1.11 |
| rs10069690 | 5 | 1279790 | T | 0.070437 | 1.06 |
| rs2736108 | 5 | 1297488 | C | 0.518976 | 1.06 |
| rs13162653 | 5 | 16187528 | G | 0.286332 | 1.05 |
| rs2012709 | 5 | 32567732 | T | 0.236682 | 1.05 |
| rs10941679 | 5 | 44706498 | G | 0.0661 | 1.12 |
| rs889312 | 5 | 56031884 | C | 0.08191 | 1.12 |
| rs2229882 | 5 | 56168712 | T | 0.002247 | 1.45 |
| rs10472076 | 5 | 58184061 | C | 0.145466 | 1.05 |
| rs1353747 | 5 | 58337481 | T | 0.80946 | 1.09 |
| rs7707921 | 5 | 81538046 | A | 0.56716 | 1.08 |
| rs1432679 | 5 | 158244083 | C | 0.180285 | 1.07 |
| rs11242675 | 6 | 1318878 | T | 0.387382 | 1.04 |
| rs204247 | 6 | 13722523 | G | 0.191581 | 1.05 |
| rs9257408 | 6 | 28926220 | C | 0.143111 | 1.05 |
| rs17529111 | 6 | 82128386 | C | 0.046354 | 1.06 |
| rs2180341 | 6 | 127600630 | G | 0.064567 | 1.41 |
| rs12662670 | 6 | 151918856 | G | 0.004556 | 1.17 |
| rs2046210 | 6 | 151948366 | A | 0.104071 | 1.08 |
| rs6964587 | 7 | 91630620 | T | 0.143035 | 1.05 |
| rs4593472 | 7 | 130667121 | C | 0.425887 | 1.05 |

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|------------|----|-----------|---|----------|------|
| rs720475 | 7 | 144074929 | G | 0.569572 | 1.06 |
| rs9693444 | 8 | 29509616 | A | 0.100552 | 1.07 |
| rs13365225 | 8 | 36858483 | A | 0.651895 | 1.05 |
| rs6472903 | 8 | 76230301 | T | 0.684094 | 1.1 |
| rs2943559 | 8 | 76417937 | G | 0.004928 | 1.13 |
| rs13267382 | 8 | 117209548 | A | 0.137641 | 1.05 |
| rs13281615 | 8 | 128355618 | G | 0.177157 | 1.09 |
| rs11780156 | 8 | 129194641 | T | 0.029618 | 1.07 |
| rs1011970 | 9 | 22062134 | T | 0.028359 | 1.06 |
| rs10759243 | 9 | 110306115 | A | 0.085322 | 1.05 |
| rs865686 | 9 | 110888478 | T | 0.412549 | 1.2 |
| rs2380205 | 10 | 5886734 | C | 0.303821 | 1.06 |
| rs7072776 | 10 | 22032942 | A | 0.079863 | 1.07 |
| rs11814448 | 10 | 22315843 | C | 0.000471 | 1.27 |
| rs10995190 | 10 | 64278682 | G | 0.69289 | 1.16 |
| rs704010 | 10 | 80841148 | T | 0.136013 | 1.08 |
| rs7904519 | 10 | 114773927 | G | 0.219492 | 1.05 |
| rs11199914 | 10 | 123093901 | C | 0.465397 | 1.05 |
| rs2981579 | 10 | 123337335 | A | 0.158643 | 1.27 |
| rs3817198 | 11 | 1909006 | C | 0.092903 | 1.07 |
| rs3903072 | 11 | 65583066 | G | 0.263066 | 1.05 |
| rs614367 | 11 | 69328764 | T | 0.025889 | 1.21 |
| rs78540526 | 11 | 69331418 | T | 0.007621 | 1.34 |
| rs554219 | 11 | 69331642 | G | 0.017583 | 1.26 |
| rs11820646 | 11 | 129461171 | C | 0.385144 | 1.05 |
| rs12422552 | 12 | 14413931 | C | 0.058903 | 1.04 |
| rs10771399 | 12 | 28155080 | A | 0.790321 | 1.16 |
| rs17356907 | 12 | 96027759 | A | 0.486646 | 1.1 |
| rs1292011 | 12 | 115836522 | A | 0.337096 | 1.09 |
| rs2236007 | 14 | 37132769 | G | 0.610899 | 1.08 |
| rs2588809 | 14 | 68660428 | T | 0.021638 | 1.08 |
| rs999737 | 14 | 69034682 | C | 0.578512 | 1.09 |
| rs941764 | 14 | 91841069 | G | 0.119163 | 1.07 |
| rs11627032 | 14 | 93104072 | T | 0.558457 | 1.06 |
| rs8051542 | 16 | 52534167 | T | 0.2053 | 1.09 |
| rs3803662 | 16 | 52586341 | A | 0.078008 | 1.24 |
| rs3112612 | 16 | 52635164 | A | 0.176988 | 1.15 |
| rs17817449 | 16 | 53813367 | T | 0.3312 | 1.08 |
| rs13329835 | 16 | 80650805 | G | 0.051438 | 1.08 |
| rs6504950 | 17 | 53056471 | G | 0.528674 | 1.06 |
| rs745570 | 17 | 77781725 | A | 0.243838 | 1.05 |
| rs527616 | 18 | 24337424 | G | 0.370272 | 1.05 |

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|-----------|----|----------|---|----------|------|
| rs1436904 | 18 | 24570667 | T | 0.372832 | 1.04 |
| rs6507583 | 18 | 42399590 | A | 0.876658 | 1.1 |
| rs3745185 | 19 | 17384267 | G | 0.296698 | 1.16 |
| rs2363956 | 19 | 17394124 | T | 0.22553 | 1.03 |
| rs4808801 | 19 | 18571141 | A | 0.428763 | 1.08 |
| rs3760982 | 19 | 44286513 | A | 0.212982 | 1.05 |
| rs2284378 | 20 | 32588095 | C | 0.461448 | 1.05 |
| rs2823093 | 21 | 16520832 | G | 0.536556 | 1.09 |
| rs132390 | 22 | 29621477 | C | 0.00105 | 1.14 |
| rs6001930 | 22 | 40876234 | C | 0.014066 | 1.12 |

Breast cancer (African American)

| | | | | | |
|------------|----|-----------|---|----------|------|
| rs4849887 | 2 | 121245122 | C | 0.473069 | 1.16 |
| rs13387042 | 2 | 217905832 | A | 0.540372 | 1.12 |
| rs16857609 | 2 | 218296508 | T | 0.056596 | 1.17 |
| rs10069690 | 5 | 1279790 | T | 0.345979 | 1.13 |
| rs204247 | 6 | 13722523 | G | 0.121592 | 1.13 |
| rs2981579 | 10 | 123337335 | A | 0.371246 | 1.18 |
| rs2981578 | 10 | 123340311 | C | 0.751516 | 1.28 |
| rs999737 | 14 | 69034682 | C | 0.916423 | 1.59 |
| rs8051542 | 16 | 52534167 | T | 0.098094 | 1.4 |
| rs17817449 | 16 | 53813367 | T | 0.362284 | 1.21 |
| rs2363956 | 19 | 17394124 | T | 0.25 | 1.14 |

Breast cancer (East Asian)

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|------------|----|-----------|---|----------|------|
| rs13393577 | 2 | 213296863 | C | 0.00252 | 1.53 |
| rs16857609 | 2 | 218296508 | T | 0.370394 | 1.12 |
| rs4973768 | 3 | 27416013 | T | 0.033893 | 1.12 |
| rs6788895 | 3 | 150467808 | G | 0.396018 | 1.22 |
| rs4415084 | 5 | 44662515 | C | 0.190009 | 1.12 |
| rs889312 | 5 | 56031884 | C | 0.329361 | 1.16 |
| rs1419026 | 6 | 82089179 | T | 0.079919 | 1.07 |
| rs9485372 | 6 | 149608874 | G | 0.343982 | 1.11 |
| rs2046210 | 6 | 151948366 | A | 0.13061 | 1.28 |
| rs9693444 | 8 | 29509616 | A | 0.087261 | 1.15 |
| rs10822013 | 10 | 64251977 | T | 0.235322 | 1.12 |
| rs941827 | 10 | 114558887 | T | 0.601866 | 1.05 |
| rs2981578 | 10 | 123340311 | C | 0.304704 | 1.23 |
| rs17221259 | 12 | 14410485 | C | 0.057648 | 1.25 |
| rs3803662 | 16 | 52586341 | A | 0.412036 | 1.21 |
| rs4784227 | 16 | 52599188 | T | 0.061901 | 1.25 |

Colorectal cancer (Caucasian)

| | | | | | |
|------------|---|-----------|---|----------|------|
| rs10911251 | 1 | 183081194 | A | 0.328329 | 1.09 |
| rs6691170 | 1 | 222045446 | T | 0.137196 | 1.06 |

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|------------|----|-----------|---|----------|------|
| rs6687758 | 1 | 222164948 | G | 0.043222 | 1.09 |
| rs11903757 | 2 | 192587204 | C | 0.025664 | 1.16 |
| rs992157 | 2 | 219154781 | A | 0.322056 | 1.1 |
| rs10936599 | 3 | 169492101 | C | 0.563851 | 1.04 |
| rs367615 | 5 | 108948937 | T | 0.651733 | 1.35 |
| rs647161 | 5 | 134499092 | A | 0.435732 | 1.07 |
| rs1321311 | 6 | 36622900 | A | 0.055838 | 1.1 |
| rs16892766 | 8 | 117630683 | C | 0.006416 | 1.27 |
| rs7014346 | 8 | 128424792 | A | 0.131696 | 1.19 |
| rs10795668 | 10 | 8701219 | A | 0.10106 | 1.12 |
| rs704017 | 10 | 80819132 | G | 0.333968 | 1.06 |
| rs1035209 | 10 | 101345366 | T | 0.038025 | 1.13 |
| rs1535 | 11 | 61597972 | A | 0.431518 | 1.07 |
| rs3824999 | 11 | 74345550 | G | 0.246214 | 1.08 |
| rs3802842 | 11 | 111171709 | C | 0.076895 | 1.11 |
| rs3217810 | 12 | 4388271 | T | 0.016667 | 1.19 |
| rs3217901 | 12 | 4405389 | G | 0.180285 | 1.1 |
| rs7136702 | 12 | 50880216 | T | 0.113502 | 1.06 |
| rs11169552 | 12 | 51155663 | C | 0.500132 | 1.09 |
| rs59336 | 12 | 115116352 | T | 0.2494 | 1.09 |
| rs4444235 | 14 | 54410919 | C | 0.200883 | 1.11 |
| rs1957636 | 14 | 54560018 | T | 0.15437 | 1.08 |
| rs4779584 | 15 | 32994756 | C | 0.637123 | 1.18 |
| rs9929218 | 16 | 68820946 | G | 0.510082 | 1.1 |
| rs4939827 | 18 | 46453463 | T | 0.267186 | 1.2 |
| rs10411210 | 19 | 33532300 | C | 0.803892 | 1.15 |
| rs961253 | 20 | 6404281 | A | 0.121383 | 1.12 |
| rs4813802 | 20 | 6699595 | G | 0.12468 | 1.09 |
| rs2423279 | 20 | 7812350 | C | 0.061405 | 1.07 |
| rs4925386 | 20 | 60921044 | C | 0.513946 | 1.08 |
| rs5934683 | X | 9751474 | T | 0.11813 | 1.07 |

Colorectal cancer (African American)

| | | | | | |
|------------|----|-----------|---|----------|------|
| rs647161 | 5 | 134499092 | A | 0.315844 | 1.14 |
| rs16892766 | 8 | 117630683 | C | 0.016358 | 1.18 |
| rs6983267 | 8 | 128413305 | G | 0.80425 | 1.2 |
| rs3824999 | 11 | 74345550 | G | 0.027956 | 1.15 |

Colorectal cancer (East Asian)

| | | | | | |
|-----------|---|-----------|---|----------|------|
| rs6687758 | 1 | 222164948 | G | 0.042312 | 1.12 |
| rs647161 | 5 | 134499092 | A | 0.115532 | 1.15 |
| rs1321311 | 6 | 36622900 | A | 0.03393 | 1.09 |
| rs7758229 | 6 | 160840252 | T | 0.054569 | 1.28 |
| rs6983267 | 8 | 128413305 | G | 0.167526 | 1.14 |

| | | | | | |
|------------|----|-----------|---|----------|------|
| rs10795668 | 10 | 8701219 | G | 0.405387 | 1.15 |
| rs704017 | 10 | 80819132 | G | 0.080713 | 1.1 |
| rs11196172 | 10 | 114726843 | A | 0.448364 | 1.14 |
| rs1535 | 11 | 61597972 | A | 0.18122 | 1.15 |
| rs3824999 | 11 | 74345550 | G | 0.156816 | 1.06 |
| rs10774214 | 12 | 4368352 | T | 0.0961 | 1.17 |
| rs10849432 | 12 | 6385727 | T | 0.619999 | 1.14 |
| rs2238126 | 12 | 12009741 | G | 0.26061 | 1.17 |
| rs4779584 | 15 | 32994756 | T | 0.637283 | 1.12 |
| rs12603526 | 17 | 800593 | C | 0.060025 | 1.1 |
| rs7229639 | 18 | 46450976 | A | 0.022741 | 1.2 |
| rs4939827 | 18 | 46453463 | T | 0.095666 | 1.12 |
| rs10411210 | 19 | 33532300 | C | 0.64497 | 1.15 |
| rs1800469 | 19 | 41860296 | G | 0.177662 | 1.09 |
| rs2423279 | 20 | 7812350 | C | 0.106341 | 1.13 |

Abbreviations: SNP, single nucleotide polymorphisms; CHR, chromosome; POS, position; RA, risk allele; RAF, risk allele frequency; OR, odds ratio.