**table S4** The selected SNPs for studying the relationship between never smoking and CTS.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Chr | SNP | A1 | A2 | Beta | EAF | SE | p | F |
| 1 | rs10914684 | A | G | 0.00773564 | 0.323978 | 0.00124102 | 4.57E-10 | 38.85392878 |
| 1 | rs11429972 | ATT | A | 0.00831478 | 0.664198 | 0.00123915 | 1.95E-11 | 45.02500431 |
| 1 | rs12042107 | C | T | 0.00717593 | 0.549855 | 0.00116969 | 8.53E-10 | 37.63698562 |
| 1 | rs12725407 | C | G | 0.00813858 | 0.191041 | 0.00147867 | 3.72E-08 | 30.29386949 |
| 1 | rs2797116 | C | T | 0.00791361 | 0.267201 | 0.00131276 | 1.66E-09 | 36.3394723 |
| 1 | rs299688 | T | G | -0.00727214 | 0.715841 | 0.00131154 | 2.95E-08 | 30.74407149 |
| 1 | rs55921136 | C | T | 0.00859503 | 0.203088 | 0.00144804 | 2.93E-09 | 35.23170624 |
| 1 | rs6676022 | T | C | 0.0115926 | 0.121622 | 0.00177885 | 7.19E-11 | 42.47007672 |
| 1 | rs6690680 | C | T | 0.00884091 | 0.157765 | 0.00159669 | 3.08E-08 | 30.65862888 |
| 1 | rs7528604 | A | G | 0.00686585 | 0.433285 | 0.00117661 | 5.37E-09 | 34.05050457 |
| 2 | rs10193706 | C | A | -0.0117667 | 0.52527 | 0.00116951 | 8.25E-24 | 101.2281926 |
| 2 | rs1029986 | T | C | -0.00702078 | 0.584921 | 0.00119529 | 4.27E-09 | 34.50040208 |
| 2 | rs12479064 | T | C | -0.00803624 | 0.208302 | 0.00146761 | 4.36E-08 | 29.9836481 |
| 2 | rs528301 | A | G | -0.00860082 | 0.552033 | 0.00116774 | 1.77E-13 | 54.24845872 |
| 2 | rs6433897 | C | T | -0.00723535 | 0.736673 | 0.00132022 | 4.25E-08 | 30.03491959 |
| 2 | rs7567570 | C | T | -0.00913239 | 0.826905 | 0.00153323 | 2.58E-09 | 35.4776041 |
| 3 | rs11127913 | C | T | 0.00818013 | 0.390179 | 0.00118974 | 6.18E-12 | 47.27333971 |
| 3 | rs12487411 | A | G | 0.00750479 | 0.472062 | 0.00116511 | 1.19E-10 | 41.48998033 |
| 3 | rs13100688 | C | T | 0.00726633 | 0.372962 | 0.00120571 | 1.68E-09 | 36.31988871 |
| 3 | rs1499982 | T | C | -0.0114648 | 0.851277 | 0.00164302 | 3.00E-12 | 48.69083989 |
| 3 | rs326341 | A | G | 0.00658089 | 0.476014 | 0.00116763 | 1.74E-08 | 31.76572513 |
| 3 | rs5850689 | TG | T | 0.0119733 | 0.633538 | 0.00121447 | 6.32E-23 | 97.19728766 |
| 3 | rs9835772 | T | A | -0.00780241 | 0.242802 | 0.00135409 | 8.31E-09 | 33.20186459 |
| 4 | rs17003752 | G | A | 0.0098606 | 0.138688 | 0.00169968 | 6.58E-09 | 33.65676383 |
| 4 | rs6828849 | T | A | 0.00671224 | 0.417408 | 0.00117985 | 1.28E-08 | 32.36542836 |
| 4 | rs72678864 | A | G | 0.00975375 | 0.173833 | 0.00153266 | 1.97E-10 | 40.49968017 |
| 4 | rs748828 | T | C | 0.00862128 | 0.283101 | 0.00128896 | 2.26E-11 | 44.73676952 |
| 5 | rs1549213 | C | G | 0.00852701 | 0.641453 | 0.00121151 | 1.95E-12 | 49.53812197 |
| 5 | rs42417 | T | C | -0.00703306 | 0.690191 | 0.00126258 | 2.54E-08 | 31.02921823 |
| 5 | rs4957528 | C | A | -0.00847499 | 0.791955 | 0.00144577 | 4.58E-09 | 34.36212167 |
| 6 | rs7451586 | G | C | -0.00667322 | 0.404804 | 0.00119503 | 2.35E-08 | 31.18266791 |
| 6 | rs9375371 | A | G | -0.00739626 | 0.268873 | 0.00131224 | 1.74E-08 | 31.76857942 |
| 6 | rs9381917 | A | G | 0.0112569 | 0.102086 | 0.00191907 | 4.47E-09 | 34.40772698 |
| 6 | rs9487626 | T | C | 0.0131029 | 0.817783 | 0.00150447 | 3.07E-18 | 75.85213144 |
| 7 | rs10233018 | G | A | -0.00765512 | 0.504194 | 0.00116273 | 4.59E-11 | 43.34572287 |
| 7 | rs10274594 | G | T | 0.00783264 | 0.49589 | 0.00116705 | 1.93E-11 | 45.04404736 |
| 7 | rs72505558 | G | A | 0.00674371 | 0.39864 | 0.00118834 | 1.39E-08 | 32.20448365 |
| 7 | rs883403 | C | T | 0.00942401 | 0.154118 | 0.00160739 | 4.55E-09 | 34.37391133 |
| 8 | rs10956808 | G | T | 0.00762466 | 0.422245 | 0.00117999 | 1.04E-10 | 41.75267558 |
| 8 | rs1565735 | A | T | 0.0115901 | 0.201566 | 0.00145783 | 1.87E-15 | 63.20633374 |
| 8 | rs17151637 | T | C | 0.00751119 | 0.281244 | 0.00129198 | 6.12E-09 | 33.79916055 |
| 8 | rs1899896 | T | C | -0.00799277 | 0.297575 | 0.00127424 | 3.56E-10 | 39.34523683 |
| 9 | rs10813628 | C | T | -0.00687611 | 0.515133 | 0.00116854 | 4.00E-09 | 34.62569226 |
| 9 | rs11103667 | T | C | -0.00860468 | 0.19203 | 0.00148601 | 7.03E-09 | 33.5294156 |
| 9 | rs117435980 | C | G | -0.00920368 | 0.163387 | 0.00157416 | 5.02E-09 | 34.18418858 |
| 9 | rs1561195 | A | C | -0.00789474 | 0.522672 | 0.00118783 | 3.01E-11 | 44.17403636 |
| 9 | rs2416770 | T | C | -0.00648883 | 0.53106 | 0.0011672 | 2.71E-08 | 30.90595976 |
| 9 | rs7870475 | C | T | -0.00718996 | 0.474294 | 0.00116303 | 6.33E-10 | 38.21827788 |
| 10 | rs10905461 | C | T | 0.00727309 | 0.744192 | 0.00133206 | 4.76E-08 | 29.81194759 |
| 10 | rs12244388 | A | G | -0.0104344 | 0.336295 | 0.00122912 | 2.09E-17 | 72.06865078 |
| 10 | rs2675609 | C | T | 0.00815862 | 0.627493 | 0.00120651 | 1.36E-11 | 45.72687892 |
| 10 | rs9423279 | G | C | 0.0076695 | 0.656668 | 0.00124635 | 7.58E-10 | 37.8664043 |
| 11 | rs10897561 | C | T | -0.00669175 | 0.356457 | 0.0012233 | 4.50E-08 | 29.92357402 |
| 11 | rs2867749 | A | C | 0.00694461 | 0.318854 | 0.0012472 | 2.58E-08 | 31.00441336 |
| 11 | rs35891966 | A | G | 0.0147752 | 0.0721131 | 0.00224378 | 4.56E-11 | 43.36168911 |
| 11 | rs4910656 | C | T | 0.00684378 | 0.341569 | 0.00122755 | 2.47E-08 | 31.08233947 |
| 11 | rs523528 | T | C | 0.00807083 | 0.585719 | 0.00119225 | 1.30E-11 | 45.82492228 |
| 11 | rs6265 | T | C | 0.0101598 | 0.188685 | 0.00148406 | 7.61E-12 | 46.86702626 |
| 11 | rs7948789 | G | A | -0.0161713 | 0.386092 | 0.00119667 | 1.33E-41 | 182.6169398 |
| 12 | rs10774625 | G | A | 0.00748682 | 0.504146 | 0.00116086 | 1.12E-10 | 41.59442164 |
| 12 | rs11611651 | A | G | -0.0119868 | 0.0877105 | 0.00205187 | 5.17E-09 | 34.12768541 |
| 12 | rs379525 | T | C | -0.00649056 | 0.48132 | 0.00119032 | 4.96E-08 | 29.73287304 |
| 12 | rs60745548 | TC | T | 0.00719455 | 0.726626 | 0.00131557 | 4.53E-08 | 29.9074474 |
| 12 | rs772921 | T | C | 0.00727251 | 0.343109 | 0.00122298 | 2.74E-09 | 35.36144019 |
| 13 | rs7333559 | A | G | 0.00805229 | 0.790323 | 0.00143597 | 2.05E-08 | 31.4447453 |
| 15 | rs11631530 | T | C | -0.00998634 | 0.118063 | 0.0017975 | 2.77E-08 | 30.86561241 |
| 15 | rs12910916 | T | C | -0.00901384 | 0.212134 | 0.00141981 | 2.17E-10 | 40.30502811 |
| 15 | rs16951001 | T | G | -0.00660348 | 0.418602 | 0.00117938 | 2.16E-08 | 31.35004844 |
| 16 | rs11646575 | A | G | -0.00824462 | 0.438738 | 0.00117201 | 2.00E-12 | 49.4855786 |
| 16 | rs763053 | C | T | 0.00806179 | 0.224572 | 0.00139707 | 7.91E-09 | 33.29865013 |
| 16 | rs77878475 | A | T | 0.012595 | 0.0858303 | 0.00215009 | 4.69E-09 | 34.31492587 |
| 17 | rs12450028 | T | C | -0.00706256 | 0.34473 | 0.00122117 | 7.32E-09 | 33.44814579 |
| 17 | rs4566215 | C | A | 0.00662191 | 0.532626 | 0.00117234 | 1.62E-08 | 31.90504644 |
| 18 | rs12608052 | T | C | 0.00675418 | 0.51967 | 0.00116369 | 6.48E-09 | 33.68764535 |
| 19 | rs76608582 | A | C | 0.0182891 | 0.0477092 | 0.00286008 | 1.61E-10 | 40.89105418 |
| 20 | rs6141314 | A | G | -0.00806157 | 0.242466 | 0.00136376 | 3.40E-09 | 34.9432554 |

Chr: chromosome; SNP: single nucleotide polymorphism; A1: effect allele; A2: other allele; EAF: A1 allele frequency; SE: standard error.