**table S3** The selected SNPs for studying the relationship between smoking initiation and CTS.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Chr | SNP | A1 | A2 | Beta | EAF | SE | p | F |
| 1 | rs12025237 | C | A | -0.0329992 | 0.124 | 0.00533915 | 6.52E-10 | 38.19993099 |
| 1 | rs12042107 | C | T | -0.0222834 | 0.527 | 0.0035682 | 4.22E-10 | 38.9999935 |
| 1 | rs2046850 | T | C | -0.0248139 | 0.187 | 0.00447842 | 3.03E-08 | 30.70014411 |
| 1 | rs2050586 | C | G | -0.0205467 | 0.355 | 0.00370828 | 3.00E-08 | 30.70005278 |
| 1 | rs3001723 | A | G | 0.0335118 | 0.321 | 0.0038983 | 8.12E-18 | 73.90009474 |
| 1 | rs301805 | G | T | 0.0214679 | 0.559 | 0.00361329 | 2.80E-09 | 35.29990113 |
| 1 | rs6669839 | T | C | 0.0260041 | 0.204 | 0.0043955 | 3.36E-09 | 34.99992278 |
| 1 | rs7555507 | T | C | -0.0241444 | 0.496 | 0.00355604 | 1.14E-11 | 46.09985506 |
| 2 | rs12474587 | T | G | 0.0276329 | 0.404 | 0.00358234 | 1.25E-14 | 59.50032337 |
| 2 | rs13030994 | A | G | 0.0360925 | 0.485 | 0.0035563 | 3.56E-24 | 102.9999825 |
| 2 | rs1445649 | C | T | 0.0239932 | 0.525 | 0.00356484 | 1.68E-11 | 45.29979783 |
| 2 | rs2107300 | G | C | -0.027201 | 0.845 | 0.00492533 | 3.27E-08 | 30.4999462 |
| 2 | rs266047 | A | G | -0.0305098 | 0.529 | 0.00373855 | 3.36E-16 | 66.59970949 |
| 2 | rs35702515 | T | G | 0.0252442 | 0.162 | 0.00423093 | 2.43E-09 | 35.60012676 |
| 2 | rs4674993 | G | A | -0.0252122 | 0.207 | 0.00443619 | 1.32E-08 | 32.29990241 |
| 2 | rs578584 | T | A | 0.0286801 | 0.605 | 0.00359627 | 1.50E-15 | 63.59994531 |
| 2 | rs6433897 | C | T | 0.0224483 | 0.754 | 0.00405809 | 3.16E-08 | 30.60015076 |
| 2 | rs6728726 | C | T | 0.0354486 | 0.829 | 0.00473279 | 6.73E-14 | 56.10010918 |
| 3 | rs1154693 | G | A | 0.0326217 | 0.856 | 0.00491232 | 3.12E-11 | 44.10013094 |
| 3 | rs11712680 | C | A | -0.0270476 | 0.174 | 0.00457843 | 3.51E-09 | 34.89991049 |
| 3 | rs12632110 | G | A | -0.0233768 | 0.647 | 0.00375292 | 4.78E-10 | 38.79998065 |
| 3 | rs1869243 | C | T | 0.0197411 | 0.481 | 0.00356289 | 2.97E-08 | 30.69996416 |
| 3 | rs66680800 | T | G | -0.0202716 | 0.397 | 0.00365268 | 2.83E-08 | 30.80014796 |
| 3 | rs6788098 | T | A | -0.0313461 | 0.623 | 0.00368905 | 1.91E-17 | 72.20012449 |
| 3 | rs9835772 | T | A | 0.0240472 | 0.235 | 0.00414237 | 6.32E-09 | 33.70010509 |
| 4 | rs10001365 | A | G | -0.0249918 | 0.405 | 0.00364155 | 6.65E-12 | 47.10017478 |
| 4 | rs13145728 | C | G | -0.0232512 | 0.358 | 0.00366263 | 2.14E-10 | 40.29996297 |
| 4 | rs962625 | G | A | 0.0237181 | 0.24 | 0.00403803 | 4.37E-09 | 34.50012823 |
| 4 | rs993700 | C | T | -0.025928 | 0.766 | 0.00429163 | 1.53E-09 | 36.50005266 |
| 5 | rs12186738 | T | G | -0.0332644 | 0.154 | 0.00502051 | 3.42E-11 | 43.89991868 |
| 5 | rs1385108 | T | C | 0.0246617 | 0.239 | 0.00415673 | 3.00E-09 | 35.19997776 |
| 5 | rs4044321 | G | A | -0.0278417 | 0.642 | 0.00371058 | 6.08E-14 | 56.29993589 |
| 5 | rs4352629 | T | C | -0.0275284 | 0.492 | 0.00356881 | 1.22E-14 | 59.49974247 |
| 5 | rs6893752 | G | A | -0.0240995 | 0.766 | 0.00407356 | 3.25E-09 | 34.99998268 |
| 5 | rs72789632 | T | C | -0.0328856 | 0.12 | 0.00528628 | 5.02E-10 | 38.70002222 |
| 6 | rs10498846 | T | C | 0.0206103 | 0.473 | 0.00355561 | 6.62E-09 | 33.60008598 |
| 6 | rs222449 | T | A | -0.0253208 | 0.793 | 0.00442796 | 1.08E-08 | 32.69997855 |
| 6 | rs240963 | C | T | -0.0410444 | 0.836 | 0.00483712 | 2.16E-17 | 72.00026579 |
| 6 | rs3800227 | G | A | 0.0228121 | 0.701 | 0.00405809 | 1.93E-08 | 31.6000074 |
| 6 | rs9401770 | A | G | 0.0277307 | 0.273 | 0.003986 | 3.47E-12 | 48.40019109 |
| 7 | rs10233018 | G | A | 0.027069 | 0.503 | 0.00355741 | 2.75E-14 | 57.89973567 |
| 7 | rs10260968 | A | G | -0.0203218 | 0.597 | 0.00360938 | 1.75E-08 | 31.6999904 |
| 7 | rs10279261 | A | G | -0.0214194 | 0.619 | 0.00366263 | 5.00E-09 | 34.20018898 |
| 7 | rs12112638 | G | A | -0.024526 | 0.275 | 0.00404299 | 1.34E-09 | 36.80002499 |
| 7 | rs12333760 | C | T | -0.0290467 | 0.204 | 0.00480127 | 1.44E-09 | 36.60002146 |
| 7 | rs2140114 | T | C | -0.0232591 | 0.518 | 0.00373402 | 4.70E-10 | 38.80007207 |
| 7 | rs3801289 | C | A | -0.0220618 | 0.351 | 0.00373982 | 3.74E-09 | 34.80009959 |
| 7 | rs4236259 | G | T | -0.0247689 | 0.499 | 0.00355661 | 3.35E-12 | 48.49991183 |
| 8 | rs12545053 | G | A | 0.0202808 | 0.397 | 0.00363668 | 2.43E-08 | 31.0999713 |
| 8 | rs13261666 | T | G | -0.0268946 | 0.522 | 0.00355604 | 3.90E-14 | 57.20011527 |
| 8 | rs1565735 | A | T | -0.037618 | 0.212 | 0.0044613 | 3.42E-17 | 71.09982758 |
| 8 | rs1899896 | T | C | 0.0264481 | 0.286 | 0.00388691 | 1.04E-11 | 46.29989296 |
| 8 | rs2631024 | G | A | -0.0229645 | 0.737 | 0.00402823 | 1.18E-08 | 32.50015776 |
| 9 | rs10114490 | A | G | -0.0255148 | 0.198 | 0.00453171 | 1.81E-08 | 31.70006237 |
| 9 | rs2378662 | A | G | 0.0209482 | 0.556 | 0.00356645 | 4.16E-09 | 34.50016274 |
| 9 | rs4543592 | C | T | 0.0219314 | 0.468 | 0.00356244 | 7.46E-10 | 37.89985905 |
| 10 | rs10159545 | G | C | 0.0262501 | 0.375 | 0.00372727 | 1.84E-12 | 49.59983329 |
| 10 | rs10905461 | C | T | -0.0239554 | 0.718 | 0.00414505 | 7.35E-09 | 33.40006459 |
| 10 | rs12356821 | C | G | 0.03937 | 0.14 | 0.0050491 | 6.27E-15 | 60.79990283 |
| 10 | rs9423279 | G | C | -0.0205132 | 0.641 | 0.00370828 | 3.21E-08 | 30.60002568 |
| 11 | rs4523689 | G | A | -0.0206091 | 0.408 | 0.00364321 | 1.55E-08 | 31.99997525 |
| 11 | rs6265 | T | C | -0.0317863 | 0.203 | 0.00457843 | 3.77E-12 | 48.19997341 |
| 11 | rs7929518 | G | A | 0.0242377 | 0.765 | 0.00428466 | 1.56E-08 | 32.00000758 |
| 11 | rs7938812 | G | T | 0.0437914 | 0.424 | 0.00363668 | 2.71E-33 | 144.9998267 |
| 12 | rs11057005 | G | A | -0.0209298 | 0.43 | 0.00357892 | 4.85E-09 | 34.20000546 |
| 12 | rs1971318 | T | C | 0.0285074 | 0.141 | 0.00492533 | 7.06E-09 | 33.49998029 |
| 12 | rs4759228 | C | G | -0.0216913 | 0.27 | 0.00393413 | 3.58E-08 | 30.40001153 |
| 12 | rs7969559 | G | A | -0.0243756 | 0.688 | 0.00395946 | 7.31E-10 | 37.89995631 |
| 13 | rs3904512 | A | G | -0.0211589 | 0.429 | 0.0035765 | 3.23E-09 | 35.0001345 |
| 13 | rs7322872 | T | C | -0.0255713 | 0.782 | 0.00433474 | 3.58E-09 | 34.80002115 |
| 14 | rs76214862 | C | A | -0.0249903 | 0.202 | 0.00454745 | 3.99E-08 | 30.20000913 |
| 15 | rs12441907 | A | C | -0.0292051 | 0.186 | 0.00452262 | 1.06E-10 | 41.70010969 |
| 15 | rs1435741 | A | G | 0.0294151 | 0.425 | 0.00359095 | 2.64E-16 | 67.09991069 |
| 16 | rs1050847 | T | C | -0.0216231 | 0.505 | 0.00358893 | 1.67E-09 | 36.29994258 |
| 16 | rs4781977 | C | T | -0.0238668 | 0.205 | 0.00436473 | 4.54E-08 | 29.90016744 |
| 16 | rs4785836 | C | T | -0.0204704 | 0.398 | 0.00365894 | 2.26E-08 | 31.29983746 |
| 16 | rs7197072 | T | C | -0.0247672 | 0.238 | 0.0041686 | 2.77E-09 | 35.29989178 |
| 17 | rs11078713 | G | A | -0.0201721 | 0.454 | 0.00360561 | 2.23E-08 | 31.30002798 |
| 17 | rs11658881 | G | A | 0.0201357 | 0.418 | 0.00361066 | 2.43E-08 | 31.09999181 |
| 17 | rs7224742 | T | C | -0.0207099 | 0.595 | 0.00365532 | 1.43E-08 | 32.10001227 |
| 18 | rs11872397 | A | G | -0.0247725 | 0.252 | 0.00409477 | 1.43E-09 | 36.59996319 |
| 18 | rs72896886 | C | G | -0.0268885 | 0.144 | 0.00483712 | 2.75E-08 | 30.90006746 |
| 19 | rs76608582 | A | C | -0.0495575 | 0.0389 | 0.00825958 | 1.94E-09 | 36.00002906 |
| 21 | rs117143374 | C | T | 0.0292897 | 0.12 | 0.00526909 | 2.76E-08 | 30.90000954 |
| 22 | rs134529 | C | T | -0.019984 | 0.349 | 0.00366078 | 4.85E-08 | 29.80009042 |

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