**Online Supplement Table 1 Description of *TCF7L2* polymorphisms**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | Non-Hispanic White | | | Hispanic | | |  |
| *TCF7L2* SNPs | Coordinate | Region | Chromosome Location | Major/Minor Allele1 | Major Allele Freq. | Minor Allele Freq. | FDR adjusted HWE p value | Major Allele Freq. | Minor Allele Freq. | FDR adjusted HWE p value | Proportion Missing |
| rs7903146 | 114758349 | INTRON | 10q25.3 | C /T | 0.711 | 0.289 | 0.965 | 0.799 | 0.202 | 0.680 | 0 |
| rs7919185 | 114889838 | INTRON | 10q25.3 | T/C | 0.608 | 0.392 | 0.991 | 0.646 | 0.354 | 0.547 | 0.000238 |
| rs7900150 | 114793823 | INTRON | 10q25.3 | T/A | 0.540 | 0.460 | 0.615 | 0.705 | 0.295 | 0.009 | 0.000238 |
| rs3750804 | 114833850 | INTRON | 10q25.3 | C/T | 0.718 | 0.282 | 0.966 | 0.800 | 0.200 | 0.703 | 0 |
| rs7081062 | 114740745 | INTRON | 10q25.3 | A/G | 0.619 | 0.381 | 0.965 | 0.526 | 0.474 | 0.262 | 0 |
| rs176632 | 114911079 | INTRON | 10q25.3 | C/T | 0.849 | 0.151 | 0.965 | 0.942 | 0.058 | 0.680 | 0.004038 |
| rs3750805 | 114847143 | INTRON | 10q25.3 | A/T | 0.870 | 0.130 | 0.889 | 0.894 | 0.106 | 0.856 | 0.000238 |
| rs2094405 | 114715689 | INTRON | 10q25.3 | G/A | 0.727 | 0.274 | 0.965 | 0.715 | 0.285 | 0.378 | 0.001900 |
| rs11196174 | 114734096 | INTRON | 10q25.3 | A/G | 0.706 | 0.294 | 0.965 | 0.844 | 0.156 | 0.590 | 0 |
| rs12255372 | 114808902 | INTRON | 10q25.3 | G/T | 0.715 | 0.285 | 0.996 | 0.814 | 0.186 | 0.690 | 0 |
| rs11196199 | 114796117 | INTRON | 10q25.3 | A/G | 0.839 | 0.161 | 0.965 | 0.938 | 0.062 | 0.883 | 0 |
| rs10749127 | 114849353 | INTRON | 10q25.3 | C/T | 0.706 | 0.294 | 0.996 | 0.701 | 0.299 | 0.846 | 0.000475 |
| rs7085532 | 114859463 | INTRON | 10q25.3 | A/G | 0.687 | 0.313 | 0.973 | 0.758 | 0.242 | 0.946 | 0.000475 |
| rs3814570 | 114708510 | INTERGENIC | 10q25.3 | C/T | 0.723 | 0.277 | 0.983 | 0.720 | 0.280 | 0.604 | 0 |
| rs7094463 | 114711983 | INTRON | 10q25.3 | G/A | 0.527 | 0.473 | 0.978 | 0.553 | 0.447 | 0.655 | 0 |
| rs10885399 | 114726177 | INTRON | 10q25.3 | T/A | 0.796 | 0.204 | 0.965 | 0.739 | 0.261 | 0.723 | 0.001188 |
| rs17685538 | 114797471 | INTRON | 10q25.3 | C/G | 0.893 | 0.107 | 0.860 | 0.969 | 0.031 | 0.891 | 0 |
| rs10885410 | 114824473 | INTRON | 10q25.3 | G/A | 0.710 | 0.290 | 0.965 | 0.843 | 0.157 | 0.519 | 0.000238 |
| rs3814572 | 114847723 | INTRON | 10q25.3 | A/G | 0.848 | 0.152 | 0.985 | 0.921 | 0.079 | 0.509 | 0 |
| rs6585206 | 114859251 | INTRON | 10q25.3 | G/A | 0.81 | 0.19 | 0.965 | 0.866 | 0.134 | 0.756 | 0.000238 |
| rs4918796 | 114880342 | INTRON | 10q25.3 | T/C | 0.788 | 0.212 | 0.965 | 0.844 | 0.156 | 0.188 | 0 |
| rs7903424 | 114904036 | INTRON | 10q25.3 | G/A | 0.705 | 0.295 | 0.889 | 0.848 | 0.152 | 0.633 | 0.000713 |
| rs290489 | 114907055 | INTRON | 10q25.3 | A/G | 0.771 | 0.229 | 0.996 | 0.721 | 0.279 | 0.676 | 0 |
| rs1028629 | 114912656 | INTRON | 10q25.3 | C/T | 0.820 | 0.180 | 0.615 | 0.820 | 0.180 | 0.929 | 0 |
| rs1225404 | 114914665 | INTRON | 10q25.3 | T/C | 0.647 | 0.353 | 0.715 | 0.637 | 0.364 | 0.684 | 0.000238 |

1Major/minor allele reported for NHW population; minor allele frequency and Hardy-Weinberg Equilibrium (HWE) based on control population.

**Online Supplement Table 2 *TCF7L2* Genotype Characteristics of Study Population, Stratified by Ethnicity and Case-Control Status, Breast Cancer Health Disparities Study *(n=7,734)*.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Non-Hispanic White** (n=3,031) | | | | |  | **Hispanic** (n= 4,703) | | | | |  |
|  | Case | | Control | |  |  | Case | | Control | |  |  |
|  | No. | % | No. | % | p value ***a*** |  | No. | % | No. | % | p value ***a*** | p value ***b*** |
| ***Total Subjects*** | ***1431*** |  | ***1600*** |  |  |  | ***2093*** |  | ***2610*** |  |  |  |
| **rs176632** |  |  |  |  |  |  |  |  |  |  |  |  |
| C/C | 1057 | 74.0 | 1150 | 72.4 | 0.28 |  | 1873 | 89.6 | 2315 | 88.9 | 0.32 | <0.001 |
| C/T | 340 | 23.8 | 399 | 25.1 |  |  | 213 | 10.2 | 278 | 10.7 |  |  |
| T/T | 31 | 2.2 | 40 | 2.5 |  |  | 4 | 0.2 | 11 | 0.42 |  |  |
| **rs290489** |  |  |  |  |  |  |  |  |  |  |  |  |
| A/A | 847 | 59.2 | 950 | 59.4 | 0.56 |  | 1037 | 49.6 | 1366 | 52.3 | 0.11 | <0.001 |
| A/G | 493 | 34.5 | 566 | 35.4 |  |  | 881 | 42.1 | 1032 | 39.5 |  |  |
| G/G | 91 | 6.4 | 84 | 5.3 |  |  | 175 | 8.4 | 212 | 8.1 |  |  |
| **rs1028629** |  |  |  |  |  |  |  |  |  |  |  |  |
| C/C | 948 | 66.3 | 1062 | 66.4 | 0.57 |  | 1386 | 66.2 | 1753 | 67.2 | 0.39 | 0.970 |
| C/T | 434 | 30.3 | 499 | 31.2 |  |  | 631 | 30.2 | 774 | 29.7 |  |  |
| T/T | 49 | 3.4 | 39 | 2.4 |  |  | 76 | 3.6 | 83 | 3.2 |  |  |
| **rs1225404** |  |  |  |  |  |  |  |  |  |  |  |  |
| T/T | 642 | 44.9 | 688 | 43.0 | 0.10 |  | 919 | 43.9 | 1047 | 40.1 | 0.01 | 0.27 |
| T/C | 627 | 43.8 | 695 | 43.4 |  |  | 937 | 44.8 | 1227 | 47.0 |  |  |
| C/C | 162 | 11.3 | 217 | 13.6 |  |  | 237 | 11.3 | 335 | 12.8 |  |  |
| **rs2094405** |  |  |  |  |  |  |  |  |  |  |  |  |
| G/G | 714 | 50.0 | 850 | 53.3 | 0.23 |  | 1061 | 50.8 | 1350 | 51.8 | 0.92 | 0.57 |
| G/A | 607 | 42.5 | 619 | 38.8 |  |  | 872 | 41.7 | 1028 | 39.5 |  |  |
| A/A | 107 | 7.5 | 127 | 8.0 |  |  | 157 | 7.5 | 228 | 8.8 |  |  |
| **rs3750804** |  |  |  |  |  |  |  |  |  |  |  |  |
| C/C | 719 | 50.2 | 822 | 51.4 | 0.20 |  | 1298 | 62.1 | 1676 | 64.2 | 0.21 | <0.001 |
| C/T | 574 | 40.1 | 654 | 40.9 |  |  | 705 | 33.7 | 823 | 31.5 |  |  |
| T/T | 138 | 9.6 | 124 | 7.8 |  |  | 88 | 4.2 | 111 | 4.3 |  |  |
| **rs3750805** |  |  |  |  |  |  |  |  |  |  |  |  |
| A/A | 1046 | 73.2 | 1204 | 75.3 | 0.13 |  | 1617 | 77.3 | 2089 | 80.1 | 0.02 | <0.001 |
| A/T | 357 | 25.0 | 375 | 23.4 |  |  | 448 | 21.4 | 489 | 18.7 |  |  |
| T/T | 27 | 1.9 | 21 | 1.3 |  |  | 28 | 1.3 | 31 | 1.2 |  |  |
| **rs3814570** |  |  |  |  |  |  |  |  |  |  |  |  |
| C/C | 716 | 50.1 | 836 | 52.3 | 0.11 |  | 1077 | 51.5 | 1365 | 52.3 | 0.87 | 0.505 |
| C/T | 584 | 40.8 | 643 | 40.2 |  |  | 855 | 40.9 | 1030 | 39.5 |  |  |
| T/T | 130 | 9.1 | 121 | 7.6 |  |  | 161 | 7.7 | 215 | 8.2 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **rs3814572** |  |  |  |  |  |  |  |  |  |  |  |  |
| A/A | 1018 | 71.1 | 1151 | 71.9 | 0.59 |  | 1765 | 84.3 | 2219 | 85.0 | 0.57 | <0.001 |
| A/G | 378 | 26.4 | 413 | 25.8 |  |  | 312 | 14.9 | 370 | 14.2 |  |  |
| G/G | 35 | 2.5 | 36 | 2.3 |  |  | 16 | 0.8 | 21 | 0.8 |  |  |
| **rs4918796** |  |  |  |  |  |  |  |  |  |  |  |  |
| T/T | 849 | 59.4 | 990 | 61.9 | 0.10 |  | 1464 | 70.0 | 1872 | 71.7 | 0.12 | <0.001 |
| T/C | 507 | 35.5 | 543 | 33.9 |  |  | 552 | 26.4 | 660 | 25.3 |  |  |
| C/C | 74 | 5.2 | 67 | 4.2 |  |  | 77 | 3.7 | 78 | 3.0 |  |  |
| **rs6585206** |  |  |  |  |  |  |  |  |  |  |  |  |
| G/G | 899 | 62.8 | 1044 | 65.3 | 0.21 |  | 1596 | 76.3 | 1953 | 74.9 | 0.46 | <0.001 |
| G/A | 484 | 33.8 | 504 | 31.5 |  |  | 455 | 21.7 | 613 | 23.5 |  |  |
| A/A | 48 | 3.4 | 52 | 3.3 |  |  | 42 | 2.0 | 43 | 1.7 |  |  |
| **rs7081062** |  |  |  |  |  |  |  |  |  |  |  |  |
| A/A | 591 | 41.4 | 604 | 37.8 | 0.03 |  | 515 | 24.6 | 610 | 23.4 | 0.55 | <0.001 |
| A/G | 662 | 46.3 | 772 | 48.3 |  |  | 980 | 46.8 | 1253 | 48.0 |  |  |
| G/G | 176 | 12.3 | 224 | 14.0 |  |  | 598 | 28.6 | 747 | 28.6 |  |  |
| **rs7085532** |  |  |  |  |  |  |  |  |  |  |  |  |
| A/A | 657 | 45.9 | 757 | 47.3 | 0.37 |  | 1241 | 59.3 | 1499 | 57.5 | 0.18 | <0.001 |
| A/G | 620 | 43.4 | 683 | 42.7 |  |  | 742 | 35.5 | 959 | 36.8 |  |  |
| G/G | 153 | 10.7 | 159 | 9.9 |  |  | 110 | 5.3 | 151 | 5.8 |  |  |
| **rs7094463** |  |  |  |  |  |  |  |  |  |  |  |  |
| G/G | 454 | 31.7 | 447 | 27.9 | 0.01 |  | 633 | 30.2 | 809 | 31.0 | 0.95 | 0.186 |
| G/A | 691 | 48.3 | 793 | 49.6 |  |  | 1050 | 50.2 | 1267 | 48.5 |  |  |
| A/A | 289 | 20.0 | 360 | 22.5 |  |  | 410 | 19.6 | 534 | 20.5 |  |  |
| **rs7900150** |  |  |  |  |  |  |  |  |  |  |  |  |
| T/T | 378 | 26.4 | 445 | 27.8 | 0.03 |  | 999 | 47.7 | 1335 | 51.2 | 0.01 | <0.001 |
| T/A | 711 | 49.7 | 839 | 52.4 |  |  | 848 | 40.5 | 1011 | 38.8 |  |  |
| A/A | 341 | 23.9 | 316 | 19.8 |  |  | 246 | 11.8 | 263 | 10.1 |  |  |
| **rs7903146** |  |  |  |  |  |  |  |  |  |  |  |  |
| C/C | 665 | 46.5 | 813 | 50.8 | 0.01 |  | 1296 | 62.0 | 1671 | 64.0 | 0.09 | <0.001 |
| C/T | 616 | 43.1 | 650 | 40.6 |  |  | 688 | 32.9 | 826 | 31.7 |  |  |
| T/T | 150 | 10.5 | 137 | 8.6 |  |  | 108 | 5.2 | 113 | 4.3 |  |  |
| **rs7903424** |  |  |  |  |  |  |  |  |  |  |  |  |
| G/G | 734 | 51.4 | 784 | 49.0 | 0.20 |  | 1532 | 73.3 | 1868 | 71.6 | 0.60 | <0.001 |
| G/A | 590 | 41.3 | 688 | 43.0 |  |  | 496 | 23.7 | 686 | 26.3 |  |  |
| A/A | 105 | 47.2 | 127 | 7.9 |  |  | 62 | 3.0 | 54 | 2.1 |  |  |
| **rs7919185** |  |  |  |  |  |  |  |  |  |  |  |  |
| T/T | 512 | 35.8 | 590 | 36.9 | 0.29 |  | 818 | 39.1 | 1102 | 42.2 | 0.10 | <0.001 |
| T/C | 676 | 47.3 | 765 | 47.8 |  |  | 999 | 47.7 | 1166 | 44.7 |  |  |
| C/C | 242 | 16.9 | 245 | 15.3 |  |  | 276 | 13.2 | 341 | 13.1 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **rs10749127** |  |  |  |  |  |  |  |  |  |  |  |  |
| C/C | 734 | 51.3 | 797 | 49.8 | 0.48 |  | 1060 | 50.7 | 1276 | 48.9 | 0.46 | 0.429 |
| C/T | 576 | 40.3 | 665 | 41.6 |  |  | 840 | 40.2 | 1103 | 42.3 |  |  |
| T/T | 121 | 8.5 | 138 | 8.6 |  |  | 191 | 9.1 | 229 | 8.8 |  |  |
| **rs10885399** |  |  |  |  |  |  |  |  |  |  |  |  |
| T/T | 834 | 58.4 | 1020 | 63.8 | 0.01 |  | 1166 | 55.7 | 1429 | 54.9 | 0.76 | <0.001 |
| T/A | 531 | 37.2 | 508 | 31.8 |  |  | 771 | 36.9 | 991 | 38.0 |  |  |
| A/A | 64 | 4.5 | 72 | 4.5 |  |  | 155 | 7.4 | 185 | 7.1 |  |  |
| **rs10885410** |  |  |  |  |  |  |  |  |  |  |  |  |
| G/G | 749 | 52.3 | 812 | 50.8 | 0.11 |  | 1441 | 68.9 | 1861 | 71.3 | 0.12 | <0.001 |
| G/A | 587 | 41.0 | 649 | 40.6 |  |  | 596 | 28.5 | 675 | 25.9 |  |  |
| A/A | 95 | 6.6 | 139 | 8.7 |  |  | 56 | 2.7 | 73 | 2.8 |  |  |
| **rs11196174** |  |  |  |  |  |  |  |  |  |  |  |  |
| A/A | 689 | 48.2 | 804 | 50.3 | 0.79 |  | 1485 | 71.0 | 1865 | 71.5 | 0.36 | <0.001 |
| A/G | 631 | 44.1 | 650 | 40.6 |  |  | 530 | 25.3 | 674 | 25.8 |  |  |
| G/G | 110 | 7.7 | 146 | 9.1 |  |  | 77 | 3.7 | 71 | 2.7 |  |  |
| **rs11196199** |  |  |  |  |  |  |  |  |  |  |  |  |
| A/A | 1015 | 71.0 | 1124 | 70.3 | 0.79 |  | 1792 | 85.6 | 2298 | 88.1 | 0.01 | <0.001 |
| A/G | 377 | 26.4 | 437 | 27.3 |  |  | 284 | 13.6 | 301 | 11.5 |  |  |
| G/G | 38 | 2.7 | 39 | 2.4 |  |  | 17 | 0.8 | 11 | 0.4 |  |  |
| **rs12255372** |  |  |  |  |  |  |  |  |  |  |  |  |
| G/G | 666 | 46.6 | 818 | 51.1 | 0.02 |  | 1375 | 65.7 | 1734 | 66.4 | 0.29 | <0.001 |
| G/T | 633 | 44.3 | 653 | 40.8 |  |  | 619 | 29.6 | 779 | 29.9 |  |  |
| T/T | 130 | 9.1 | 129 | 8.1 |  |  | 99 | 4.7 | 97 | 3.7 |  |  |
| **rs17685538** |  |  |  |  |  |  |  |  |  |  |  |  |
| C/C | 1183 | 82.7 | 1269 | 79.3 | 0.04 |  | 1966 | 93.9 | 2451 | 93.9 | 0.85 | <0.001 |
| C/G | 234 | 16.4 | 319 | 19.9 |  |  | 122 | 5.8 | 157 | 6.0 |  |  |
| G/G | 14 | 1.0 | 12 | 0.8 |  |  | 5 | 0.2 | 2 | 0.1 |  |  |
| **Haplotype Copies** *c* |  |  |  |  |  |  |  |  |  |  |  |  |
| *A-C-A*  0 | 1227 | 85.7 | 1381 | 86.3 | 0.55 |  | 1906 | 91.1 | 2420 | 92.7 | 0.03 | <0.001 |
| 1 | 183 | 12.8 | 200 | 12.5 |  |  | 169 | 8.1 | 174 | 6.7 |  |  |
| 2 | 21 | 1.5 | 19 | 1.2 |  |  | 18 | 0.9 | 16 | 0.6 |  |  |
| *A-C-T* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1088 | 76.0 | 1205 | 75.3 | 0.94 |  | 1535 | 73.3 | 1846 | 70.7 | 0.02 | 0.01 |
| 1 | 257 | 18.0 | 308 | 19.3 |  |  | 462 | 22.1 | 610 | 23.4 |  |  |
| 2 | 86 | 6.0 | 87 | 5.4 |  |  | 96 | 4.6 | 154 | 5.9 |  |  |
| *A-T-A* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1183 | 86.7 | 1382 | 86.4 | 0.01 |  | 1905 | 91.0 | 2409 | 92.3 | 0.07 | <0.001 |
| 1 | 114 | 8.0 | 102 | 6.4 |  |  | 97 | 4.6 | 113 | 4.3 |  |  |
| 2 | 134 | 9.4 | 116 | 7.3 |  |  | 91 | 4.4 | 88 | 3.4 |  |  |
| *A-T-T* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1429 | 99.9 | 1592 | 99.5 | 0.08 |  | 2088 | 99.8 | 2603 | 99.7 | 0.84 | 0.55 |
| 1 | 2 | 0.1 | 8 | 0.5 |  |  | 5 | 0.2 | 7 | 0.3 |  |  |
| 2 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 |  |  |
| *G-C-A* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1361 | 95.1 | 1505 | 94.1 | 0.17 |  | 2050 | 98.0 | 2541 | 97.4 | 0.25 | <0.001 |
| 1 | 67 | 4.7 | 89 | 5.6 |  |  | 41 | 2.0 | 68 | 2.6 |  |  |
| 2 | 3 | 0.2 | 6 | 0.4 |  |  | 2 | 0.1 | 1 | 0.04 |  |  |
| *G-C-T* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1095 | 76.5 | 1189 | 74.3 | 0.09 |  | 1167 | 55.8 | 1383 | 53.0 | 0.28 | <0.001 |
| 1 | 236 | 16.5 | 274 | 17.1 |  |  | 413 | 19.7 | 590 | 22.6 |  |  |
| 2 | 100 | 7.0 | 137 | 8.6 |  |  | 513 | 24.5 | 637 | 24.4 |  |  |
| *G-T-A* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1414 | 98.9 | 1582 | 98.9 | 0.87 |  | 2076 | 99.2 | 2587 | 99.1 | 0.87 | 0.37 |
| 1 | 17 | 1.2 | 18 | 1.1 |  |  | 15 | 0.7 | 21 | 0.8 |  |  |
| 2 | 0 | 0 | 0 | 0 |  |  | 2 | 0.1 | 2 | 0.1 |  |  |
| *G-T-T* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1431 | 100.0 | 1599 | 99.9 | 0.34 |  | 2091 | 99.9 | 2609 | 100.0 | 0.44 | 0.56 |
| 1 | 0 | 0 | 1 | 0.1 |  |  | 2 | 0.1 | 1 | 0.04 |  |  |
| 2 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 |  |  |
| **Haplotype Copies** *d* |  |  |  |  |  |  |  |  |  |  |  |  |
| *C-A-A* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1328 | 92.8 | 1491 | 93.2 | 0.68 |  | 1929 | 92.2 | 2386 | 91.4 | 0.45 | 0.02 |
| 1 | 102 | 7.1 | 108 | 6.8 |  |  | 157 | 7.5 | 218 | 8.4 |  |  |
| 2 | 1 | 0.1 | 1 | 0.1 |  |  | 7 | 0.3 | 6 | 0.2 |  |  |
| *C-A-G* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1185 | 82.8 | 1286 | 80.4 | 0.10 |  | 1892 | 90.4 | 2414 | 92.5 | 0.01 | <0.001 |
| 1 | 222 | 15.5 | 283 | 17.7 |  |  | 191 | 9.1 | 188 | 7.2 |  |  |
| 2 | 24 | 1.7 | 31 | 1.9 |  |  | 10 | 0.5 | 8 | 0.3 |  |  |
| *C-T-A* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 805 | 56.3 | 831 | 51.9 | 0.08 |  | 810 | 38.7 | 957 | 36.7 | 0.04 | <0.001 |
| 1 | 251 | 17.5 | 331 | 20.7 |  |  | 296 | 14.1 | 328 | 12.6 |  |  |
| 2 | 375 | 26.2 | 438 | 27.4 |  |  | 987 | 47.2 | 1325 | 50.8 |  |  |
| *T-A-A* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1253 | 87.6 | 1443 | 90.2 | 0.04 |  | 1944 | 92.9 | 2441 | 93.5 | 0.21 | <0.001 |
| 1 | 56 | 3.9 | 46 | 2.9 |  |  | 53 | 2.5 | 73 | 2.8 |  |  |
| 2 | 122 | 8.5 | 111 | 6.9 |  |  | 96 | 4.6 | 96 | 3.7 |  |  |
| *T-A-G* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1392 | 97.3 | 1574 | 98.4 | 0.04 |  | 2077 | 99.2 | 2595 | 99.4 | 0.54 | <0.001 |
| 1 | 37 | 2.6 | 25 | 1.6 |  |  | 16 | 0.8 | 14 | 0.5 |  |  |
| 2 | 2 | 0.1 | 1 | 0.1 |  |  | 0 | 0 | 1 | 0.04 |  |  |
| *T-T-A* |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 1427 | 99.7 | 1587 | 99.2 | 0.05 |  | 2078 | 99.3 | 2597 | 99.5 | 0.44 | 0.85 |
| 1 | 4 | 0.3 | 13 | 0.8 |  |  | 15 | 0.7 | 13 | 0.5 |  |  |
| 2 | 0 | 0 | 0 | 0 |  |  | 0 | 0 | 0 | 0 |  |  |

Note: Percentages may not add up to 100 due to rounding.

***a***Case-control comparison within ethnicity. *p* values from chi-square tests.

***b***Ethnic group comparison, regardless of case-control status.  *Mantel-Haenszel chi-square p* values from chi-square tests.

***c*** Haplotypes are from TCF7L2 SNPS: rs7081062 rs7903146 rs7900150

***d*** Haplotypes are from TCF7L2 SNPS: rs7903146 rs7900150 rs11196199