**Supplement Table1**

The 47 AMD-associated SNPs and their association results with acute CSC in a large Chinese cohort

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SNP | CHR | BP | Gene | A1/A2 | F\_A | F\_U | SE | P | FDR | OR\_CSC | OR\_AMD |
| rs1061170 | 1 | 196659237 | CFH | C/T | 0.05  | 0.05  | 0.20  | 9.25E-01 | 9.50E-01 | 0.98  | 2.411  |
| rs1410996 | 1 | 196696933 | CFH | A/G | 0.52  | 0.41  | 0.09  | 2.37E-05 | 9.01E-04 | 1.47  | 0.371  |
| rs1329428 | 1 | 196702810 | CFH | T/C | 0.52  | 0.43  | 0.09  | 3.32E-04 | 3.15E-03 | 1.40  | 0.362  |
| rs6795735 | 3 | 64705365 | ADAMTS9 | C/T | 0.24  | 0.26  | 0.11  | 2.12E-01 | 4.74E-01 | 0.87  | 0.913  |
| rs62247658 | 3 | 64715155 | ADAMTS9 | T/C | 0.23  | 0.25  | 0.11  | 1.55E-01 | 3.95E-01 | 0.86  | 0.884  |
| rs1713985 | 4 | 57786450 | C4orf14, REST, IGFBP7, POLR2B | G/T | 0.23  | 0.27  | 0.11  | 2.86E-02 | 1.21E-01 | 0.79  | 1.305  |
| rs4698775 | 4 | 110590479 | CFI | G/T | 0.29  | 0.21  | 0.10  | 2.20E-04 | 2.79E-03 | 1.45  | 1.143  |
| rs10033900 | 4 | 110659067 | CFI | C/T | 0.38  | 0.36  | 0.09  | 5.77E-01 | 7.56E-01 | 1.05  | 0.851  |
| rs12661281 | 6 | 31842598 | SLC44A4 | A/T | 0.10  | 0.09  | 0.15  | 3.92E-01 | 6.20E-01 | 1.14  | 0.796  |
| rs429608 | 6 | 31930462 | C2-CFB | A/G | 0.06  | 0.07  | 0.20  | 7.55E-01 | 9.25E-01 | 0.94  | 0.573  |
| rs2071277 | 6 | 32171683 | NOTCH4 | C/T | 0.36  | 0.38  | 0.10  | 4.08E-01 | 6.20E-01 | 0.92  | 1.307  |
| rs943080 | 6 | 43826627 | VEGFA | C/T | 0.31  | 0.32  | 0.10  | 9.76E-01 | 9.76E-01 | 1.00  | 0.884  |
| rs2295334 | 6 | 43970827 | C6orf223 | A/G | 0.26  | 0.24  | 0.10  | 5.59E-01 | 7.56E-01 | 1.06  | 0.786  |
| rs3812111 | 6 | 116443735 | COL10A1 | A/T | 0.25  | 0.19  | 0.11  | 4.12E-02 | 1.42E-01 | 1.24  | 0.913  |
| rs1142 | 7 | 104756326 | KMT2E, SRPK2 | T/C | 0.33  | 0.29  | 0.10  | 2.30E-02 | 1.21E-01 | 1.26  | 1.114  |
| rs13278062 | 8 | 23082971 | TNFRSF10A | T/G | 0.31  | 0.30  | 0.10  | 8.87E-01 | 9.50E-01 | 1.01  | 1.153  |
| rs10781182 | 9 | 76617720 | MIR6130, RORB | G/T | 0.29  | 0.24  | 0.11  | 4.11E-02 | 1.42E-01 | 1.26  | 0.904  |
| rs334353 | 9 | 101908365 | TGFBR1 | G/T | 0.40  | 0.42  | 0.09  | 5.36E-01 | 7.54E-01 | 0.94  | 0.883  |
| rs2740488 | 9 | 107661742 | ABCA1 | C/A | 0.26  | 0.22  | 0.12  | 4.98E-02 | 1.58E-01 | 1.26  | 0.904  |
| rs10490924 | 10 | 124214448 | ARMS2/HTRA1 | T/G | 0.37  | 0.42  | 0.10  | 9.73E-02 | 2.84E-01 | 0.85  | 2.941  |
| rs10507047 | 12 | 95604290 | FGD6 | C/T | 0.34  | 0.29  | 0.10  | 1.85E-02 | 1.17E-01 | 1.26  | 0.876  |
| rs9564692 | 13 | 31821240 | B3GALTL | C/T | 0.27  | 0.26  | 0.10  | 3.74E-01 | 6.20E-01 | 1.10  | 1.124  |
| rs8017304 | 14 | 68785077 | RAD51B | A/G | 0.41  | 0.41  | 0.09  | 9.13E-01 | 9.50E-01 | 0.99  | 1.113  |
| rs10468017 | 15 | 58678512 | LIPC | T/C | 0.16  | 0.18  | 0.13  | 2.63E-01 | 5.26E-01 | 0.87  | 0.841  |
| rs2043085 | 15 | 58680954 | LIPC | A/G | 0.55  | 0.46  | 0.10  | 1.91E-04 | 2.79E-03 | 1.44  | 1.154  |
| rs493258 | 15 | 58687880 | LIPC | G/A | 0.22  | 0.22  | 0.11  | 8.17E-01 | 9.25E-01 | 0.97  | 1.168  |
| rs920915 | 15 | 58688467 | LIPC | C/G | 0.19  | 0.22  | 0.11  | 1.56E-01 | 3.95E-01 | 0.85  | 1.133  |
| rs2070895 | 15 | 58723939 | LIPC | A/G | 0.42  | 0.40  | 0.09  | 3.07E-01 | 5.79E-01 | 1.10  | 0.874  |
| rs3764261 | 16 | 56993324 | CETP | A/C | 0.16  | 0.16  | 0.13  | 6.60E-01 | 8.36E-01 | 0.95  | 1.151  |
| rs17231506 | 16 | 56994528 | CETP | T/C | 0.16  | 0.16  | 0.13  | 8.28E-01 | 9.25E-01 | 1.03  | 1.164  |
| rs1864163 | 16 | 56997233 | CETP | A/G | 0.19  | 0.16  | 0.12  | 2.39E-01 | 5.05E-01 | 1.16  | 0.823  |
| rs72802342 | 16 | 75234872 | CTRB2, CTRB1, BCAR1 | A/C | 0.10  | 0.11  | 0.15  | 8.05E-01 | 9.25E-01 | 0.96  | 0.794  |
| rs11080055 | 17 | 26649724 | TMEM97, VTN | A/C | 0.30  | 0.27  | 0.10  | 3.20E-01 | 5.79E-01 | 1.10  | 0.914  |
| rs429358 | 19 | 45411941 | APOE | C/T | 0.03  | 0.06  | 0.24  | 8.39E-03 | 6.38E-02 | 0.53  | 0.704  |
| rs4420638 | 19 | 45422946 | APOE | G/A | 0.08  | 0.11  | 0.16  | 2.56E-02 | 1.21E-01 | 0.70  | 0.773  |
| rs5749482 | 22 | 32663679 | TIMP3 | G/C | 0.27  | 0.28  | 0.11  | 4.31E-01 | 6.30E-01 | 0.92  | 1.313  |
| rs9621532 | 22 | 32688525 | TIMP3 | C/A | 0.02  | 0.03  | 0.31  | 3.91E-01 | 6.20E-01 | 0.77  | 0.631  |
| rs8135665 | 22 | 38476276 | SLC16A8 | T/C | 0.11  | 0.13  | 0.14  | 2.00E-01 | 4.74E-01 | 0.83  | 1.144  |
| rs11884770 | 2 | 227222204 | COL4A3 | C/T | - | - | - | - |  | - | 0.904 |
| rs13081855  | 3 | 99762695 | COL8A1-FILIP1L | T/G | - | - | - | - |  | - | 1.233 |
| rs3130783  | 6 | 30806580 | IER3-DDR1 | A/G | - | - | - | - |  | - | 1.163 |
| rs4711751 | 6 | 43860845 | VEGFA | C/T | - | - | - | - |  | - | 1.151 |
| rs3138141 | 12 | 55721994 | RDH5, CD63, MMP19 | A/C | - | - | - | - |  | - | 1.164 |
| rs9542236  | 13 | 31245188 | B3GALTL | C/T | - | - | - | - |  | - | 1.103 |
| rs6565597 | 17 | 81559795 | NPLOC4, TSPAN10 | T/C | - | - | - | - |  | - | 1.134 |
| rs67538026 | 19 | 1031439 | CNN2, GPX4 | T/C | - | - | - | - |  | - | 0.904 |
| rs2230199  | 19 | 6718376 | C3 | C/G |  |  |  |  |  |  | 1.434 |

Abbreviations: SNP, single nucleotide polymorphism; CHR, chromosome; BP, base pair in hg19; F\_A, allele frequency of cases; F\_U, allele frequency of controls; FDR,false discovery rate; SE, standard error; OR, odds ratio; CSC, central serous chorioretinopathy; AMD, age-related macular degeneration;

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