

Supplementary Table 1. Supplementary information of Table 1

| No | rsID        | Study accession | Chr | Pos       | RA | OA | RAF   | OR        | CI             |
|----|-------------|-----------------|-----|-----------|----|----|-------|-----------|----------------|
| 1  | rs72926690  | GCST010463      | 6   | 92640153  | T  | C  | -     | 4.46      | [2.38-8.38]    |
| 2  | rs17483466  | GCST000224      | 2   | 111039881 | G  | A  | 0.2   | 1.39      | [1.25-1.53]    |
|    |             | GCST001570      |     |           | G  | A  | 0.8   | 1.43      | [1.27-1.61]    |
|    |             | GCST002073      |     |           | G  | A  | 0.2   | 1.37      | [NR]           |
| 3  | rs7578199   | GCST003468      | 2   | 241253433 | C  | T  | 0.745 | 1.1764705 | [1.11-1.25]    |
| 4  | rs806321    | GCST008721      | 13  | 50267187  | T  | C  | NR    | 1.0863662 | -              |
| 5  | rs73005220  | GCST004099      | 19  | 16161878  | G  | A  | NR    | -         | -              |
| 6  | rs2466024   | GCST002299      | 8   | 127175774 | A  | G  | 0.41  | 1.21      | [NR]           |
| 7  | rs35603048  | GCST004099      | 15  | 40099764  | T  | C  | NR    | -         | -              |
| 8  | rs58055674  | GCST004146      | 2   | 111074216 | C  | T  | NR    | 1.41      | [1.32-1.5]     |
|    |             | GCST003468      |     |           | C  | T  | 0.173 | 1.44      | [1.33-1.56]    |
| 9  | rs12711846  | GCST004099      | 2   | 111098716 | G  | A  | NR    | -         | -              |
| 10 | rs138922423 | GCST010463      | 1   | 73916689  | T  | TA | -     | 16.02     | [4.99-51.46]   |
| 11 | rs142811167 | GCST010463      | 11  | 7698038   | T  | C  | -     | 87.06     | [12.84-590.36] |
| 12 | rs1439112   | GCST008727      | 2   | 134305027 | A  | G  | NR    | 1.1409012 | -              |
| 13 | rs898518    | GCST002073      | 4   | 108095668 | A  | C  | 0.59  | 1.2       | [1.14-1.27]    |
| 14 | rs7677291   | GCST010463      | 4   | 129240194 | T  | C  | -     | 2.11      | [1.53-2.9]     |
| 15 | rs17134658  | GCST010463      | 11  | 99911908  | G  | T  | -     | 5.5555553 | [2.63-11.11]   |
| 16 | rs12530134  | GCST004250      | 6   | 170610382 | A  | G  | -     | 1.36      | [1.03-1.80]    |
| 17 | rs1805465   | GCST002915      | 17  | 5489769   | T  | C  | -     | 2.339     | -              |

Note: RA: risk allele. OA: other allele. RAF: risk allele frequency in controls. OR: odds ratio. CI: 95% confidence interval of OR.

Supplementary Table 2. Supplementary information of Table 2

| No | rsID        | Study accession | Chr | Pos       | RA | OA | RAF | OR       | CI           |
|----|-------------|-----------------|-----|-----------|----|----|-----|----------|--------------|
| 1  | rs73195662  | GCST007540      | 7   | 106018014 | G  | C  | NR  | 3.52     | [2.12-5.85]  |
| 2  | rs67134687  | GCST010463      | 9   | 21845309  | G  | A  | -   | 7.142857 | [3.12-16.67] |
| 3  | rs2267708   | GCST004146      | 7   | 124752458 | T  | C  | NR  | 1.16     | [1.1-1.22]   |
| 4  | rs17007695  | GCST000323      | 4   | 141788570 | C  | T  | NR  | 2.67     | [1.53-4.68]  |
| 5  | rs3130284   | GCST002915      | 6   | 32172710  | C  | T  | NR  | 1.464    | -            |
| 6  | rs3096696   | GCST002915      | 6   | 32154695  | A  | C  | -   | 1.478    | -            |
| 7  | rs117483095 | GCST004250      | 9   | 130022496 | T  | C  | -   | 1.62     | [1.05-2.50]  |

Note: RA: risk allele. OA: other allele. RAF: risk allele frequency in controls. OR: odds ratio. CI: 95% confidence interval of OR.

Supplementary Table 3. Supplementary information of Table 3

| No | rsID       | Study accession | Chr | Pos       | RA | OA | RAF   | OR       | CI           |
|----|------------|-----------------|-----|-----------|----|----|-------|----------|--------------|
| 1  | rs2239630  | GCST009638      | 14  | 23120140  | G  | A  | 0.45  | 1.28     | [1.22-1.35]  |
| 2  | rs75777619 | GCST009638      | 8   | 129172930 | G  | A  | 0.12  | 1.26     | [1.17-1.36]  |
| 3  | rs28665337 | GCST005832      | 8   | 129181858 | A  | C  | 0.12  | 1.34     | [1.21-1.47]  |
| 4  | rs6893857  | GCST003468      | 5   | 78888580  | C  | T  | 0.183 | 1.17     | [1.10-1.25]  |
| 5  | rs7973974  | GCST007540      | 12  | 24847276  | C  | T  | NR    | 2.71     | [1.78-4.11]  |
| 6  | rs10949482 | GCST007149      | 6   | 18121083  | T  | C  | NR    | -        | -            |
|    |            | GCST007148      |     |           |    |    | NR    | -        | -            |
| 7  | rs12711846 | GCST004099      | 2   | 111098716 | G  | A  | NR    | -        | -            |
| 8  | rs17483466 | GCST000224      | 2   | 111039881 | G  | A  | 0.2   | 1.39     | [1.25-1.53]  |
|    |            | GCST001570      |     |           |    |    | 0.8   | 1.43     | [1.27-1.61]  |
|    |            | GCST002073      |     |           |    |    | 0.2   | 1.37     | [NR]         |
| 9  | rs58055674 | GCST004146      | 2   | 111074216 | C  | T  | NR    | 1.41     | [1.32-1.5]   |
|    |            | GCST003468      |     |           |    |    | 0.173 | 1.44     | [1.33-1.56]  |
| 10 | rs61610071 | GCST004250      | 10  | 13373961  | G  | A  | '-    | 9.02     | [1.31-62.00] |
| 11 | rs2239633  | GCST002158      | 14  | 23119848  | A  | G  | NR    | -        | -            |
|    |            | GCST005832      |     |           |    |    | NR    | 1.369863 | [1.28-1.45]  |
|    |            | GCST000463      |     |           |    |    | 0.52  | 1.34     | [1.22-1.45]  |
|    |            | GCST001320      |     |           |    |    | 0.5   | 1.333333 | [1.2-1.49]   |
|    |            | GCST001320      |     |           |    |    | 0.5   | 1.351351 | [1.22-1.47]  |
|    |            | GCST005315      |     |           |    |    | NR    | 1.265823 | [NR]         |
| 12 | rs10849033 | GCST000464      | 12  | 4315956   | A  | G  | 0.02  | 2.55     | [1.60-3.80]  |
| 13 | rs4617118  | GCST005315      | 8   | 129143897 | G  | A  | NR    | 1.28     | [1.19-1.37]  |
| 14 | rs6489882  | GCST004146      | 12  | 112943571 | A  | G  | NR    | 1.16     | [1.1-1.22]   |
| 15 | rs1805465  | GCST002915      | 17  | 5489769   | T  | C  | -     | 2.339    | -            |
| 16 | rs1986582  | GCST005214      | 7   | 9391401   | C  | G  | 0.12  | -        | -            |
| 17 | rs57214277 | GCST004146      | 4   | 184333619 | T  | C  | 0.41  | 1.13     | [1.08-1.18]  |

Note: RA: risk allele. OA: other allele. RAF: risk allele frequency in controls. OR: odds ratio. CI: 95% confidence interval of OR.

Supplementary Table 4. Supplementary information of Table 4

| No | rsID        | Study accession | Chr | Pos       | RA | OA | RAF      | OR       | CI          |
|----|-------------|-----------------|-----|-----------|----|----|----------|----------|-------------|
| 1  | rs6858698   | GCST002299      | 4   | 113762688 | C  | G  | -        | 1.31     | [1.20-1.44] |
| 2  | rs1476569   | GCST004146      | 4   | 113777540 | G  | A  | NR       | 1.18     | [1.12-1.25] |
| 3  | rs6445754   | GCST001320      | 3   | 55773227  | T  | C  | 0.22     | -        | -           |
| 4  | rs735665    | GCST000224      | 11  | 123490689 | A  | G  | 0.21     | 1.45     | [1.31-1.61] |
|    |             | GCST001570      |     |           | A  | G  | 0.2      | 1.52     | [1.35-1.72] |
|    |             | GCST002299      |     |           | A  | G  | 0.19     | 1.64     | NR          |
|    |             | GCST002073      |     |           | A  | G  | 0.19     | 1.62     | NR          |
| 5  | rs35923643  | GCST004146      | 11  | 123484683 | G  | A  | NR       | 1.63     | [1.53-1.72] |
|    |             | GCST003468      |     |           | G  | A  | 0.196    | 1.66     | [1.54-1.79] |
| 6  | rs10849033  | GCST000464      | 12  | 4315956   | A  | G  | 0.02     | 2.55     | [1.60-3.80] |
| 7  | rs2267708   | GCST004146      | 7   | 124752458 | T  | C  | NR       | 1.16     | [1.1-1.22]  |
| 8  | rs7578199   | GCST003468      | 2   | 241253433 | C  | T  | 0.745    | 1.176471 | [1.11-1.25] |
| 9  | rs114961115 | GCST90011814    | 6   | 46182333  | A  | G  | 0.027043 | 1.817851 | NR          |
| 10 | rs4266947   | GCST007540      | 1   | 202233110 | T  | C  | NR       | 4.62     | [2.37-9.01] |
| 11 | rs267759    | GCST000323      | 5   | 36137518  | G  | A  | NR       | 3.23     | [1.52-6.87] |
| 12 | rs630662    | GCST001320      | 8   | 107960070 | G  | A  | 0.29     | -        | -           |
| 13 | rs139996880 | GCST003468      | 5   | 1284538   | A  | G  | 0.165    | 1.29     | [1.18-1.42] |
| 14 | rs1359742   | GCST003468      | 9   | 22336997  | C  | G  | 0.499    | 1.204819 | [1.12-1.28] |
| 15 | rs7090445   | GCST002158      | 10  | 61961417  | T  | C  | NR       | -        | -           |
| 16 | rs7818688   | GCST002792      | 8   | 95011854  | A  | C  | NR       | 4.26     | [2.45-7.42] |

Note: RA: risk allele. OA: other allele. RAF: risk allele frequency in controls. OR: odds ratio. CI: 95% confidence interval of OR.

Supplementary Table 5. Supplementary information of Table 5

| No | rsID        | Study accession | Chr | Pos       | RA | OA | RAF     | OR       | CI          |
|----|-------------|-----------------|-----|-----------|----|----|---------|----------|-------------|
| 1  | rs73195662  | GCST007540      | 7   | 106018014 | G  | C  | NR      | 3.52     | [2.12-5.85] |
| 2  | rs73718779  | GCST003468      | 6   | 2969044   | T  | C  | 0.11    | 1.26     | [1.16-1.36] |
| 3  | rs4459895   | GCST004099      | 3   | 188236626 | C  | A  | NR      | -        | -           |
| 4  | rs10949482  | GCST007149      | 6   | 18121083  | T  | C  | NR      | -        | -           |
|    |             | GCST007148      |     |           | T  | C  | NR      | -        | -           |
| 5  | rs187021028 | GCST90011814    | 19  | 22616454  | A  | T  | 0.01356 | 2.570694 | NR          |
| 6  | rs4525246   | GCST004099      | 11  | 123524538 | C  | G  | NR      | -        | -           |
| 7  | rs79050301  | GCST007150      | 6   | 18151959  | C  | T  | NR      | -        | -           |
| 8  | rs1142345   | GCST003609      | 6   | 18130687  | C  | T  | NR      | -        | -           |
| 9  | rs1036935   | GCST004146      | 18  | 50317164  | G  | A  | 0.22    | 1.15     | [1.10-1.21] |
| 10 | rs7578199   | GCST003468      | 2   | 241253433 | C  | T  | 0.745   | 1.176471 | [1.11-1.25] |

Note: RA: risk allele. OA: other allele. RAF: risk allele frequency in controls. OR: odds ratio. CI: 95% confidence interval of OR.