**Supplementary A:** Genotype distribution of the three ethnic groups

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SNP** | **Allele****(1/2)** | **Number of subjects** | **Minor Allele Distribution** **(% frequency)** | ***p*-value** |
| **Malay** | **Chinese** | **Indian** |
| **1/1** | **1/2** | **2/2** | **1/1** | **1/2** | **2/2** | **1/1** | **1/2** | **2/2** | **Malay** | **Chinese** | **Indian** |
| ***TCF4*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12966547 | A/G | 34 | 61 | 36 | 42 | 75 | 19 | 3 | 17 | 35 | 0.492 | 0.415 | 0.209 | **1.32 x 10-07\*** |
| rs8766 | C/T | 17 | 54 | 60 | 31 | 63 | 42 | 6 | 24 | 25 | 0.336 | 0.460 | 0.327 | 0.113 |
| rs2958182 | A/T | 6 | 37 | 88 | 6 | 41 | 89 | 1 | 18 | 36 | 0.187 | 0.195 | 0.182 | 1.000 |
| rs9960767 | A/C | 124 | 3 | 4 | 133 | 1 | 2 | 35 | 11 | 9 | 0.042 | 0.018 | 0.264 | **1.24 x 10-08\*\*** |
| rs10401120 | C/T | 119 | 5 | 7 | 125 | 5 | 6 | 50 | 1 | 4 | 0.073 | 0.063 | 0.082 | 0.959 |
| rs17512836 | C/T | 0 | 6 | 125 | 0 | 4 | 132 | 0 | 2 | 53 | 0.023 | 0.015 | 0.018 | 1.000 |
| ***AKT1*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2498804 | G/T | 19 | 68 | 44 | 16 | 56 | 64 | 14 | 23 | 18 | 0.405 | 0.324 | 0.464 | 0.134 |
| rs3803304 | G/C | 3 | 30 | 98 | 0 | 16 | 120 | 2 | 24 | 29 | 0.137 | 0.059 | 0.255 | **0.001\*** |
| rs2494732 | A/G | 12 | 56 | 63 | 9 | 1 | 76 | 12 | 17 | 26 | 0.305 | 0.254 | 0.373 | 0.211 |
| rs3730358 | T/C | 0 | 18 | 113 | 0 | 11 | 125 | 1 | 10 | 44 | 0.069 | 0.040 | 0.109 | 0.181 |
| rs1130214 | T/G | 3 | 33 | 95 | 1 | 20 | 115 | 1 | 14 | 40 | 0.149 | 0.081 | 0.145 | 0.226 |
| rs2498784 | C/T | 24 | 58 | 49 | 12 | 53 | 71 | 10 | 29 | 16 | 0.405 | 0.283 | 0.445 | 0.039 |
| rs3803300 | G/A | 26 | 56 | 49 | 11 | 54 | 71 | 12 | 28 | 15 | 0.412 | 0.279 | 0.473 | 0.019 |

\*significant after FDR correction