**Table S1: SNPs neighbouring miR-22 genotyped in family sample**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SNP** | **17p13.3 location** | **Number Genotyped (%)** |  **Allele Frequency**  | **HW P-value**  | **ECG SNP association** **P-values** |
| **Total cohort****(n=1425)** | **ECG****(n=868)** | **Present study** | **HapMap CEU** |
| **Minor** | **Major** | **Minor** | **Major** | **All** | **Founders** |
| rs10852873 | 1551330 | 1362(95.6%) | 840(96.8%) | 0.496(T) | 0.504(C) | 0.496(C) | 0.504(T) | 0.7864 | 0.2661 | 0.029 |
| rs1574525 | 1570425 | 1367(95.9%) | 843(97.1%) | 0.298(G) | 0.702(A) | 0.323(G) | 0.677(A) | 0.9485 | 0.01134 | 0.019 |
| rs4790809 | 1558183 | 1385(97.2%) | 849(97.8%) | 0.100(A) | 0.900(G) | 0.124(A) | 0.876(G) | 0.3682 | 0.4315 | 0.6 |
| rs4790814 | 1568927 | 1376(96.6%) | 850(97.9%) | 0.492(G) | 0.508(A) | 0.491(A) | 0.509(G) | 0.9570 | 0.7174 | 0.62 |
| rs7221974 | 1577334 | 1381(96.9%) | 846(97.5%) | 0.266(G) | 0.734(A) | 0.204(G) | 0.796(A) | 0.8906 | 0.2420 | 0.21 |
| rs7223247 | 1555779 | 1342(94.2%) | 828(95.4%) | 0.078(T) | 0.922(G) | 0.106(T) | 0.894(G) | 0.0204 | 0.1040 | 0.0038 |
| rs7502296 | 1560975 | 1389(97.5%) | 852(98.2%) | 0.342(T) | 0.658(C) | 0.332(T) | 0.668(C) | 0.6336 | 0.1365 | 0.76 |
| rs8076112 | 1558949 | 1377(96.6%) | 846(97.5%) | 0.160(C) | 0.840(A) | 0.168(C) | 0.832(A) | 0.1088 | 0.5239 | 0.35 |
| rs4790812 | 1564885 | 1309(91.9%) | 814(93.8%) | 0.311(A) | 0.689(G) | 0.241(A) | 0.759(G) | 0.0046 | 0.5651 | 0.49 |
| rs9912287 | 1577742 | 1345(94.4%) | 741(85.4%) | 0.207(A) | 0.793(C) | 0.254(A) | 0.746(C) | 0.0249 | 0.3050 | 0.38 |