Suppl Table I. Hardy-Weinberg equilibrium

| Chr | SNP       | Sample | Minor Allele | Major Allele | Genotype counts | Observed heterozygosity | Expected heterozygosity | P-value |
|-----|-----------|--------|--------------|--------------|-----------------|--------------------------|-------------------------|---------|
| 12  | rs1544410 | All    | A            | G            | 182/427/353     | 0.4439                   | 0.4842                  | 0.0095  |
| 12  | rs1544410 | Cases  | A            | G            | 40/99/75        | 0.4626                   | 0.4866                  | 0.4835  |
| 12  | rs1544410 | Controls | A    | G            | 142/328/278     | 0.4385                   | 0.4835                  | 0.0125  |
| 12  | rs11568820| All    | T            | C            | 60/355/539      | 0.3721                   | 0.3739                  | 0.8628  |
| 12  | rs11568820| Cases  | T            | C            | 17/80/117       | 0.3738                   | 0.3908                  | 0.4896  |
| 12  | rs11568820| Controls | T   | C            | 43/275/422      | 0.3716                   | 0.3688                  | 0.9206  |
| 12  | rs2228570 | All    | A            | G            | 153/399/402     | 0.4182                   | 0.4659                  | 0.0017  |
| 12  | rs2228570 | Cases  | A            | G            | 26/103/85       | 0.4813                   | 0.4620                  | 0.6569  |
| 12  | rs2228570 | Controls | A   | G            | 127/296/317     | 0.4000                   | 0.4670                  | 0.0001  |
| 12  | rs7975232 | All    | C            | A            | 219/467/272     | 0.4875                   | 0.4985                  | 0.5168  |
| 12  | rs7975232 | Cases  | C            | A            | 49/99/66        | 0.4626                   | 0.4968                  | 0.3358  |
| 12  | rs7975232 | Controls | C  | A            | 170/368/206     | 0.4946                   | 0.4988                  | 0.8256  |
| 12  | rs731236  | All    | G            | A            | 157/458/355     | 0.4722                   | 0.4792                  | 0.6396  |
| 12  | rs731236  | Cases  | G            | A            | 38/97/79        | 0.4533                   | 0.4816                  | 0.3959  |
| 12  | rs731236  | Controls | G  | A            | 119/361/276     | 0.4775                   | 0.4784                  | 1       |

Chr – chromosome