Supplementary Table 2: Comparison of study cohort with 1000Genomes PJL data

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **rsIDs** | **A** | **a** | **Genotype Count (AA/Aa/aa)** | **Frequency (AA/Aa/aa)** | **χ2 p value** | **Allele Count (A/a)** | **Frequency (A/a)** | **χ2 p value** |
| **rs5742632** | **A** | **G** |  |  |  |  |  |  |
| STBM Data (n=272) |  |  | 156/108/8 | 0.57/0.40/0.03 | 0.009 | 420/124 | 0.77/0.23 | 0.026 |
| 1000Genomes PJL Data (n=96) |  |  | 46/40/10 | 0.48/0.42/0.10 |  | 132/60 | 0.69/0.31 |  |
| **rs6214** | **C** | **T** |  |  |  |  |  |  |
| STBM Data (n=272) |  |  | 131/120/21 | 0.48/0.44/0.08 | 7.70E-12 | 382/162 | 0.70/0.30 | 0.670 |
| 1000Genomes PJL Data (n=96) |  |  | 44/43/9 | 0.46/0.45/0.09 |  | 131/61 | 0.68/0.32 |  |

n, total number; PJL, Punjabis in Lahore; rs, Reference SNP cluster ID; STBMS, Strabismus