Table 2: The results of logistic regression analysis showing the association of each of the six *TACR1* SNPs with three measures of symptomatic versus asymptomatic OA. All analyses are adjusted for age, sex and BMI

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SNP ID | BP | MAF | Effect allele/No effect | HWE p-value1 | Gene location | Symptomatic OA versus controls OR (95%) | Symptomatic OA versus asymptomatic OA ORi(95%) | Controls versus asymptomatic OA OR (95%) |
| rs4853119 | 75416296 | 0.745 | T/C | 0.75 | Intron | 0.95 (0.80-1.13) | 1.05 (0.88-1.26) | 0.93 (0.75-1.16) |
| rs1861457 | 75323267 | 0.330 | T/C | 0.79 | Intron | 0.89 (0.76-1.04) | 0.98 (0.82-1.17) | 0.91 (0.74-1.11) |
| rs10168354 | 75382710 | 0.572 | T/C | 0.59 | Intron | 1.12 (0.96-1.30) | 0.95 (0.80-1.12) | 1.10 (0.90-1.34) |
| rs3755456 | 75287819 | 0.855 | T/C | 0.51 | Intron | 0.89 (0.72-1.11) | 1.20 (0.96-1.51) | 0.77 (0.59-1.00) |
| rs3771835 | 75374043 | 0.453 | T/C | 0.36 | Intron | 0.92 (0.79-1.07) | 1.04 (0.88-1.23) | 0.89 (0.73-1.08) |
| rs11688000 | 75293157 | 0.368 | G/A | 0.49 | Intron | 1.04 (0.89-1.22)  | **0.84 (0.70-1.00)\*** | 1.19 (0.97-1.46) |

\*p<0.05

1 HWE= Hardy Weinberg equilibirum