**Supplemental Table 4.** Summary of loci associated with osteolysis time to revision at p < 5 x 10-6 in 317 patients with osteolysis in the UK cohort

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Chromosome:position | rsID | Effect allele | Noneffect allele | Effect allele frequency | Beta | Standard error | p value |
| 12:111779396\* | rs184396151 | G | A | 0.07 | 1.339 | 0.173 | 6.69E-07 |
| 14:31519419\* | rs149164134 | T | C | 0.07 | 0.687 | 0.145 | 2.94E-06 |
| 16:1354412 | rs13333511 | A | G | 0.17 | 0.485 | 0.098 | 1.15E-06 |
| 16:1360091 | rs75893715 | T | C | 0.28 | 0.371 | 0.079 | 4.03E-06 |
| 16:1360601 | rs8056919 | T | C | 0.17 | 0.464 | 0.098 | 3.48E-06 |
| 16:1360843 | rs8057293 | T | C | 0.17 | 0.464 | 0.098 | 3.50E-06 |
| 16:1361079 | rs8062442 | G | A | 0.17 | 0.464 | 0.098 | 3.50E-06 |
| 16:1361167 | rs8060742 | T | G | 0.17 | 0.464 | 0.098 | 3.47E-06 |
| 16:1362556\* | rs12102342 | A | G | 0.17 | 0.486 | 0.098 | 1.08E-06 |
| 16:1362559 | rs12102374 | G | C | 0.17 | 0.467 | 0.099 | 3.19E-06 |
| 16:1364365 | rs4610 | G | A | 0.17 | 0.464 | 0.098 | 3.49E-06 |
| 16:1366317 | rs4017714 | G | A | 0.17 | 0.461 | 0.097 | 2.88E-06 |
| 16:1368202 | rs8060456 | A | G | 0.17 | 0.461 | 0.098 | 3.66E-06 |
| 1:105768262\* | rs72687309 | A | G | 0.14 | 0.727 | 0.133 | 4.00E-06 |
| 20:61790616\* | rs2144456 | A | G | 0.48 | 0.315 | 0.067 | 3.25E-06 |
| 4:140170092\* | rs2029288 | A | C | 0.70 | -0.355 | 0.076 | 4.04E-06 |
| 4:168798530\* | rs373152 | C | T | 0.08 | 0.592 | 0.128 | 4.94E-06 |
| 4:182351013\* | rs62340770 | A | G | 0.29 | -0.375 | 0.081 | 4.83E-06 |
| 8:7279621\* | rs7815816 | G | T | 0.93 | -1.371 | 0.186 | 1.35E-06 |

\*These loci indicate independent signals; rsID = reference single nucleotide polymorphism cluster identifier.