**Supplemental Table 5.** Summary of loci associated with osteolysis susceptibility at p < 5 x 10-6 in meta-analysis of 1096 patients with osteolysis and 2418 control patients across the Norwegian and UK cohorts

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Chromosome:position | rsID | Effect allele | Noneffect allele | Effect allele frequency | Odds ratio (95% CI) | p value | Directions of effect |
| 12:108598936\* | rs751796 | C | G | 0.05 | 1.78 (1.39-2.28) | 4.31E-06 | ++ |
| 17:36690694\* | rs56695130 | T | C | 0.08 | 1.74 (1.39-2.18) | 1.19E-06 | ++ |
| 17:36692855 | rs76547629 | A | G | 0.08 | 1.73 (1.38-2.16) | 1.48E-06 | ++ |
| 17:36694845 | rs3883933 | A | T | 0.08 | 1.73 (1.38-2.16) | 1.47E-06 | ++ |
| 17:36696429 | rs73302701 | T | C | 0.92 | 0.58 (0.47-0.72) | 1.51E-06 | -- |
| 4:27619095\* | rs1449760 | A | G | 0.52 | 1.33 (1.18-1.50) | 3.83E-06 | ++ |
| 7:29758161 | rs850079 | T | G | 0.26 | 0.71 (0.62-0.82) | 1.71E-06 | -- |
| 7:29771597 | rs850084 | A | C | 0.74 | 1.41 (1.23-1.63) | 1.20E-06 | ++ |
| 7:29771960 | rs850085 | T | C | 0.73 | 1.39 (1.21-1.60) | 2.38E-06 | ++ |
| 7:29772138 | rs850086 | T | C | 0.26 | 0.72 (0.62-0.82) | 2.21E-06 | -- |
| 7:29780507 | rs850090 | T | C | 0.30 | 0.73 0.64-0.83) | 3.47E-06 | -- |
| 7:29780784\* | rs850092 | A | G | 0.72 | 1.41 (1.23-1.61) | 1.13E-06 | ++ |
| 7:29780953 | rs850093 | A | G | 0.30 | 0.73 (0.64-0.83) | 3.85E-06 | -- |
| 7:29781533 | rs850097 | A | G | 0.70 | 1.37 (1.20-1.57) | 3.80E-06 | ++ |
| 7:29781927 | rs850098 | A | T | 0.30 | 0.73 (0.64-0.84) | 4.75E-06 | -- |
| 7:29782478 | rs850099 | A | G | 0.28 | 0.71 (0.62-0.82) | 1.24E-06 | -- |
| 7:29783713 | rs850119 | A | G | 0.30 | 0.73 (0.64-0.84) | 4.81E-06 | -- |
| 7:29783954 | rs850121 | T | C | 0.28 | 0.71 (0.62-0.82) | 1.29E-06 | -- |
| 7:29784072 | rs1728592 | C | G | 0.70 | 1.37 (1.20-1.57) | 4.47E-06 | ++ |
| 7:29784250 | rs850122 | A | T | 0.30 | 0.73 (0.64-0.83) | 3.52E-06 | -- |
| 7:29784404 | rs850123 | A | C | 0.30 | 0.73 (0.64-0.83) | 3.97E-06 | -- |
| 7:29786147 | rs1238022 | A | G | 0.72 | 1.40 (1.22-1.61) | 1.37E-06 | ++ |
| 7:29787449 | rs850129 | T | C | 0.72 | 1.40 (1.22-1.60) | 1.87E-06 | ++ |
| 7:29794420 | rs850136 | T | G | 0.69 | 1.37 (1.20-1.57) | 3.23E-06 | ++ |
| 8:103047481 | rs13277261 | T | C | 0.88 | 0.64 (0.54-0.77) | 2.72E-06 | -- |
| 8:103057852 | rs11996320 | A | T | 0.88 | 0.65 (0.54-0.78) | 3.75E-06 | -- |
| 8:103067627\* | rs2155235 | T | C | 0.12 | 1.57 (1.31-1.89) | 1.56E-06 | ++ |
| 8:103070067 | rs1110078 | C | G | 0.28 | 1.37 (1.19-1.56) | 4.68E-06 | ++ |
| 8:103109107 | rs73279695 | T | C | 0.89 | 0.66 (0.55-0.79) | 4.33E-06 | -- |

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