**Supplemental Table 1.** Summary of loci associated with osteolysis susceptibility at p < 5 x 10-6 in 779 patients with osteolysis and 1845 patients in the control group in the Norwegian cohort

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Chromosome:position | rsID | Effect allele | Noneffect allele | Effect allele frequency cases | Effect allele frequency controls | Odds ratio (95% CI) | p value |
| 10:125065842\* | rs11598562 | T | A | 0.21 | 0.17 | 1.26 (1.08-1.46) | 4.26E-06 |
| 19:295231 | rs734885 | A | G | 0.04 | 0.06 | 0.69 (0.52-0.91) | 1.66E-06 |
| 19:295295\* | rs8101944 | T | C | 0.05 | 0.07 | 0.68 (0.52-0.89 | 1.26E-06 |
| 7:18817369 | rs2519746 | C | T | 0.29 | 0.25 | 1.26 (1.10-1.44) | 2.46E-06 |
| 7:18817610 | rs2588597 | G | A | 0.28 | 0.24 | 1.27 (1.11-1.45) | 2.59E-06 |
| 7:18818397 | rs12535294 | A | G | 0.72 | 0.76 | 0.79 (0.69-0.90) | 2.57E-06 |
| 7:18819605 | rs3901892 | T | C | 0.72 | 0.76 | 0.79 (0.69-0.90) | 2.72E-06 |
| 7:18824971\* | rs2078869 | T | C | 0.72 | 0.77 | 0.79 (0.69-0.90) | 2.15E-06 |
| 7:18825453 | rs6461384 | G | T | 0.73 | 0.77 | 0.79 (0.69-0.90) | 2.56E-06 |
| 7:18828796 | rs7783171 | T | G | 0.73 | 0.77 | 0.79 (0.69-0.91) | 3.05E-06 |
| 8:21580173\* | rs35674105 | T | C | 0.18 | 0.14 | 1.35 (1.15-1.59) | 2.58E-06 |
| 8:21581413 | rs36053814 | A | C | 0.18 | 0.14 | 1.35 (1.15-1.58) | 2.85E-06 |

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