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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Chromosome:position | rsID | Effect allele | Noneffect allele | Effect allele frequency | Beta | Standard error | p value | Direction of effect |
| 1:163191314\* | rs902727464 | A | C | 0.92 | -0.478 | 0.096 | 5.59E-07 | -- |
| 1:30618683 | rs2761064 | T | G | 0.72 | -0.208 | 0.045 | 3.59E-06 | -- |
| 1:30619464 | rs1543424 | T | C | 0.72 | -0.208 | 0.045 | 3.42E-06 | -- |
| 1:30623641\* | rs2761067 | A | C | 0.28 | 0.207 | 0.044 | 3.04E-06 | ++ |
| 1:30625707 | rs2761065 | A | G | 0.28 | 0.207 | 0.044 | 3.17E-06 | ++ |
| 1:30627712 | rs2180233 | T | C | 0.72 | -0.206 | 0.044 | 3.29E-06 | -- |
| 1:30629299 | rs12732437 | T | G | 0.72 | -0.206 | 0.044 | 3.42E-06 | -- |
| 1:30633683 | rs4949546 | A | C | 0.28 | 0.205 | 0.044 | 3.74E-06 | ++ |
| 1:30638016 | rs2064648 | T | G | 0.72 | -0.204 | 0.044 | 4.34E-06 | -- |
| 1:30647495 | rs12760632 | T | C | 0.28 | 0.203 | 0.044 | 4.59E-06 | ++ |
| 10:134337140\* | rs4272721 | T | C | 0.90 | 0.328 | 0.071 | 4.47E-06 | ++ |
| 10:7215982\* | rs72773845 | T | C | 0.07 | -0.382 | 0.083 | 3.89E-06 | -- |
| 12:115121189\* | rs2242442 | A | G | 0.24 | 0.256 | 0.053 | 1.19E-06 | ++ |
| 12:95776961 | rs777077277 | T | C | 0.63 | 0.214 | 0.041 | 2.09E-07 | ++ |
| 12:95777027 | rs879631 | A | C | 0.37 | -0.214 | 0.041 | 2.09E-07 | -- |
| 12:95777225 | rs10777690 | T | G | 0.63 | 0.214 | 0.041 | 2.09E-07 | ++ |
| 12:95777318\* | rs10507055 | T | C | 0.37 | -0.216 | 0.041 | 1.40E-07 | **--** |
| 12:95777377 | rs10507056 | A | G | 0.63 | 0.214 | 0.041 | 2.08E-07 | ++ |
| 12:95777629 | rs1107939 | A | G | 0.63 | 0.214 | 0.041 | 2.06E-07 | ++ |
| 12:95778633 | rs282329 | T | C | 0.67 | 0.218 | 0.042 | 2.02E-07 | ++ |
| 12:95790660 | rs3861088 | A | G | 0.29 | -0.219 | 0.044 | 6.68E-07 | -- |
| 15:31840945 | rs4779890 | T | C | 0.80 | 0.248 | 0.051 | 1.22E-06 | ++ |
| 15:31843974 | rs4779893 | T | C | 0.20 | -0.253 | 0.052 | 8.68E-07 | -- |
| 15:31844917 | rs1318733 | T | C | 0.81 | 0.254 | 0.052 | 7.91E-07 | ++ |
| 15:31848338 | rs11852753 | T | C | 0.81 | 0.256 | 0.052 | 6.95E-07 | ++ |
| 15:31848587 | rs16956867 | A | G | 0.19 | -0.256 | 0.052 | 6.67E-07 | -- |
| 15:31848839 | rs16956869 | T | C | 0.81 | 0.257 | 0.052 | 6.50E-07 | ++ |
| 15:31851984 | rs4779542 | A | G | 0.81 | 0.259 | 0.052 | 5.08E-07 | ++ |
| 15:31854847 | rs11856799 | T | C | 0.21 | -0.241 | 0.049 | 8.36E-07 | -- |
| 15:31854949 | rs11856610 | C | G | 0.19 | -0.258 | 0.052 | 5.72E-07 | -- |
| 15:31856404 | rs721548 | A | G | 0.81 | 0.261 | 0.051 | 4.11E-07 | ++ |
| 15:31857017 | rs4779894 | A | G | 0.19 | -0.261 | 0.051 | 4.03E-07 | -- |
| 15:31857539 | rs4779895 | T | C | 0.81 | 0.261 | 0.051 | 3.84E-07 | ++ |
| 15:31858844 | rs12912370 | T | C | 0.79 | 0.244 | 0.049 | 6.36E-07 | ++ |
| 15:31859635 | rs2219507 | T | G | 0.21 | -0.244 | 0.049 | 6.30E-07 | -- |
| 15:31859828 | rs72726931 | A | G | 0.81 | 0.263 | 0.052 | 3.27E-07 | ++ |
| 15:31860934 | rs7495305 | T | C | 0.21 | -0.244 | 0.049 | 6.17E-07 | -- |
| 15:31862437 | rs12915326 | T | C | 0.21 | -0.244 | 0.049 | 6.07E-07 | -- |
| 15:31862529 | rs12898674 | A | G | 0.21 | -0.244 | 0.049 | 6.12E-07 | -- |
| 15:31865141 | rs28573802 | T | C | 0.21 | -0.244 | 0.049 | 5.94E-07 | -- |
| 15:31865144 | rs28413613 | A | G | 0.21 | -0.244 | 0.049 | 5.93E-07 | -- |
| 15:31865266 | rs11854631 | T | C | 0.21 | -0.244 | 0.049 | 5.93E-07 | -- |
| 15:31865602 | rs10519729 | T | C | 0.21 | -0.244 | 0.049 | 5.92E-07 | -- |
| 15:31867982 | rs35176167 | A | T | 0.81 | 0.264 | 0.051 | 2.89E-07 | ++ |
| 15:31869519 | rs12909737 | A | T | 0.79 | 0.245 | 0.049 | 5.61E-07 | ++ |
| 15:31869816 | rs35732420 | A | G | 0.21 | -0.244 | 0.049 | 5.78E-07 | -- |
| 15:31869898 | rs58975032 | A | G | 0.19 | -0.264 | 0.051 | 2.81E-07 | -- |
| 15:31870453\* | rs12899987 | T | C | 0.81 | 0.264 | 0.051 | 2.80E-07 | ++ |
| 15:31871890 | rs66863932 | T | C | 0.78 | 0.247 | 0.049 | 3.79E-07 | ++ |
| 15:31872185 | rs7179569 | T | C | 0.21 | -0.245 | 0.049 | 5.50E-07 | -- |
| 15:31872698 | rs4445857 | T | C | 0.21 | -0.245 | 0.049 | 5.48E-07 | -- |
| 15:31873198 | rs12906216 | A | G | 0.21 | -0.245 | 0.049 | 5.45E-07 | -- |
| 15:31873304 | rs12906386 | A | G | 0.21 | -0.245 | 0.049 | 5.44E-07 | -- |
| 15:31873806 | rs11071196 | A | G | 0.19 | -0.264 | 0.052 | 2.84E-07 | -- |
| 15:31874025 | rs11071197 | T | C | 0.21 | -0.245 | 0.049 | 5.42E-07 | -- |
| 15:31874439 | rs35535227 | T | G | 0.21 | -0.245 | 0.049 | 5.38E-07 | -- |
| 15:31875836 | rs2125625 | A | G | 0.79 | 0.245 | 0.049 | 5.29E-07 | ++ |
| 15:31876750 | rs7165706 | T | C | 0.21 | -0.245 | 0.049 | 5.25E-07 | -- |
| 15:31877084 | rs11857718 | A | G | 0.79 | 0.245 | 0.049 | 5.23E-07 | ++ |
| 15:31877238 | rs11854065 | A | G | 0.21 | -0.245 | 0.049 | 5.20E-07 | -- |
| 15:31877504 | rs11071199 | T | C | 0.79 | 0.245 | 0.049 | 5.18E-07 | ++ |
| 15:31877674 | rs12050886 | A | G | 0.79 | 0.245 | 0.049 | 5.17E-07 | ++ |
| 15:31877920 | rs12050678 | T | C | 0.21 | -0.245 | 0.049 | 5.13E-07 | -- |
| 15:31878352 | rs7178637 | T | C | 0.79 | 0.245 | 0.049 | 5.09E-07 | ++ |
| 15:31878417 | rs7177783 | T | C | 0.21 | -0.245 | 0.049 | 5.14E-07 | -- |
| 15:31878648 | rs7176844 | T | G | 0.21 | -0.245 | 0.049 | 5.31E-07 | -- |
| 15:31878663 | rs12899509 | A | G | 0.21 | -0.245 | 0.049 | 5.32E-07 | -- |
| 15:31878993 | rs4779896 | T | C | 0.79 | 0.245 | 0.049 | 5.39E-07 | ++ |
| 15:31879058 | rs4779897 | A | G | 0.21 | -0.245 | 0.049 | 5.43E-07 | -- |
| 15:31879142 | rs4779898 | A | G | 0.79 | 0.244 | 0.049 | 5.48E-07 | ++ |
| 15:31879670 | rs12050894 | T | C | 0.21 | -0.244 | 0.049 | 5.81E-07 | -- |
| 15:31881627 | rs4779899 | T | C | 0.21 | -0.243 | 0.049 | 6.33E-07 | -- |
| 15:31881857 | rs60461663 | C | G | 0.81 | 0.263 | 0.052 | 3.44E-07 | ++ |
| 15:31882754 | rs8035863 | T | C | 0.79 | 0.243 | 0.049 | 6.68E-07 | ++ |
| 15:31883104 | rs8036502 | A | T | 0.21 | -0.243 | 0.049 | 6.80E-07 | -- |
| 15:31883402 | rs7176601 | A | G | 0.79 | 0.242 | 0.049 | 7.00E-07 | ++ |
| 15:31884018 | rs12900146 | A | T | 0.79 | 0.242 | 0.049 | 7.35E-07 | ++ |
| 15:31884866 | rs9806275 | A | G | 0.21 | -0.242 | 0.049 | 7.66E-07 | -- |
| 15:31884951 | rs7166285 | T | C | 0.79 | 0.241 | 0.049 | 7.70E-07 | ++ |
| 15:31885043 | rs7183270 | A | C | 0.21 | -0.241 | 0.049 | 7.74E-07 | -- |
| 15:31885744 | rs7167462 | A | G | 0.79 | 0.241 | 0.049 | 8.05E-07 | ++ |
| 15:31887928 | rs4779543 | A | G | 0.79 | 0.239 | 0.049 | 9.46E-07 | ++ |
| 15:31888066 | rs4779900 | A | G | 0.21 | -0.239 | 0.049 | 9.55E-07 | -- |
| 15:31888316 | rs4779544 | T | C | 0.21 | -0.239 | 0.049 | 9.75E-07 | -- |
| 15:31888980 | rs2125624 | T | C | 0.21 | -0.239 | 0.049 | 9.75E-07 | -- |
| 15:31890145 | rs7171081 | A | G | 0.79 | 0.240 | 0.049 | 8.85E-07 | ++ |
| 15:31890670 | rs7164729 | T | C | 0.21 | -0.240 | 0.049 | 8.85E-07 | -- |
| 15:31891138 | rs12909072 | T | C | 0.21 | -0.239 | 0.049 | 9.75E-07 | -- |
| 15:31891724 | rs12899263 | T | C | 0.79 | 0.239 | 0.049 | 9.76E-07 | ++ |
| 15:31891924 | rs7177083 | T | C | 0.81 | 0.259 | 0.052 | 5.45E-07 | ++ |
| 15:31894064 | rs150643164 | A | G | 0.19 | -0.259 | 0.052 | 5.46E-07 | -- |
| 15:31894506 | rs9744831 | T | C | 0.19 | -0.259 | 0.052 | 5.45E-07 | -- |
| 15:31894535 | rs148879976 | A | C | 0.81 | 0.259 | 0.052 | 5.47E-07 | ++ |
| 15:31897012 | rs12907720 | T | C | 0.81 | 0.259 | 0.052 | 5.45E-07 | ++ |
| 15:31897092 | rs12901904 | C | G | 0.21 | -0.239 | 0.049 | 9.76E-07 | -- |
| 15:31897837 | rs7170060 | T | C | 0.81 | 0.259 | 0.052 | 5.45E-07 | ++ |
| 15:31898809 | rs1459199 | T | C | 0.21 | -0.239 | 0.049 | 9.74E-07 | -- |
| 15:31899862 | rs1542453 | A | G | 0.19 | -0.259 | 0.052 | 5.44E-07 | -- |
| 15:31900308 | rs1813397 | C | G | 0.79 | 0.239 | 0.049 | 9.72E-07 | ++ |
| 15:31900514 | rs983242 | T | C | 0.21 | -0.239 | 0.049 | 9.73E-07 | -- |
| 15:31901007 | rs2100715 | T | C | 0.21 | -0.239 | 0.049 | 9.71E-07 | -- |
| 15:31901695 | rs2085667 | A | G | 0.79 | 0.239 | 0.049 | 9.71E-07 | ++ |
| 15:31902085 | rs4779901 | A | C | 0.21 | -0.239 | 0.049 | 9.84E-07 | -- |
| 15:31902705 | rs34508606 | A | G | 0.79 | 0.239 | 0.049 | 1.02E-06 | ++ |
| 15:31903112 | rs8023393 | A | G | 0.21 | -0.239 | 0.049 | 1.02E-06 | -- |
| 15:31903114 | rs796932449 | A | G | 0.21 | -0.239 | 0.049 | 1.02E-06 | -- |
| 15:31903369 | rs8023753 | T | G | 0.21 | -0.239 | 0.049 | 1.02E-06 | -- |
| 15:31903421 | rs8034195 | T | C | 0.79 | 0.239 | 0.049 | 1.02E-06 | ++ |
| 15:31903528 | rs8029308 | T | C | 0.21 | -0.239 | 0.049 | 1.02E-06 | -- |
| 15:31903609 | rs8029454 | A | C | 0.21 | -0.239 | 0.049 | 1.02E-06 | -- |
| 15:31903844 | rs7169106 | T | C | 0.21 | -0.239 | 0.049 | 1.01E-06 | -- |
| 15:31904130 | rs7169637 | C | G | 0.79 | 0.239 | 0.049 | 1.02E-06 | ++ |
| 15:31904223 | rs34522308 | A | C | 0.19 | -0.259 | 0.052 | 5.41E-07 | -- |
| 15:31904322 | rs7175521 | T | C | 0.79 | 0.239 | 0.049 | 1.01E-06 | ++ |
| 15:31905145 | rs11856520 | T | C | 0.81 | 0.259 | 0.052 | 5.40E-07 | ++ |
| 15:31905673 | rs4584778 | A | G | 0.21 | -0.239 | 0.049 | 1.05E-06 | -- |
| 15:31906396 | rs72709306 | T | G | 0.19 | -0.259 | 0.052 | 5.38E-07 | -- |
| 15:31906397 | rs34001450 | T | C | 0.19 | -0.259 | 0.052 | 5.38E-07 | -- |
| 15:31906477 | rs12907373 | C | G | 0.21 | -0.239 | 0.049 | 1.01E-06 | -- |
| 15:31906522 | rs12909183 | A | G | 0.79 | 0.239 | 0.049 | 1.01E-06 | ++ |
| 15:31906960 | rs12909411 | T | C | 0.21 | -0.240 | 0.049 | 1.01E-06 | -- |
| 15:31907568 | rs12914358 | T | C | 0.21 | -0.240 | 0.049 | 1.01E-06 | -- |
| 15:31907974 | rs4594225 | T | C | 0.81 | 0.259 | 0.052 | 5.37E-07 | ++ |
| 15:31908177 | rs8033168 | C | G | 0.79 | 0.240 | 0.049 | 1.01E-06 | ++ |
| 15:31908808 | rs8038223 | T | C | 0.21 | -0.240 | 0.049 | 1.01E-06 | -- |
| 15:31909080 | rs7161768 | A | T | 0.21 | -0.240 | 0.049 | 1.01E-06 | -- |
| 15:31909088 | rs7177409 | A | G | 0.21 | -0.239 | 0.049 | 9.57E-07 | -- |
| 15:31909135 | rs7178914 | T | C | 0.21 | -0.240 | 0.049 | 1.01E-06 | -- |
| 15:31909643 | rs7161832 | T | C | 0.21 | -0.240 | 0.049 | 1.01E-06 | -- |
| 15:31909723 | rs7161987 | A | C | 0.21 | -0.240 | 0.049 | 1.01E-06 | -- |
| 15:31913480 | rs7166884 | T | C | 0.21 | -0.239 | 0.049 | 9.51E-07 | -- |
| 15:31914707 | rs12916773 | A | G | 0.79 | 0.240 | 0.049 | 9.98E-07 | ++ |
| 15:31914968 | rs12915478 | A | G | 0.21 | -0.240 | 0.049 | 9.93E-07 | -- |
| 15:31915131 | rs12917418 | A | T | 0.79 | 0.240 | 0.049 | 9.97E-07 | ++ |
| 15:31915161 | rs12916979 | T | C | 0.21 | -0.240 | 0.049 | 9.97E-07 | -- |
| 15:31915316 | rs12902319 | T | G | 0.79 | 0.239 | 0.049 | 9.47E-07 | ++ |
| 15:31915959 | rs8040203 | T | C | 0.19 | -0.259 | 0.052 | 5.29E-07 | -- |
| 15:31916074 | rs8024958 | T | C | 0.81 | 0.259 | 0.052 | 5.29E-07 | ++ |
| 15:31917377 | rs8025024 | A | G | 0.19 | -0.259 | 0.052 | 5.28E-07 | -- |
| 15:31917595 | rs34929828 | T | C | 0.19 | -0.259 | 0.052 | 5.28E-07 | -- |
| 15:31917970 | rs12898981 | T | C | 0.79 | 0.240 | 0.049 | 9.43E-07 | ++ |
| 15:31918339 | rs11852462 | A | T | 0.21 | -0.240 | 0.049 | 9.42E-07 | -- |
| 15:31918495 | rs11071236 | T | C | 0.21 | -0.240 | 0.049 | 9.42E-07 | -- |
| 15:31920445 | rs75834668 | A | T | 0.21 | -0.247 | 0.050 | 8.20E-07 | -- |
| 15:31923717 | rs4779903 | C | G | 0.21 | -0.240 | 0.049 | 9.90E-07 | -- |
| 15:31924215 | rs8036561 | A | C | 0.79 | 0.240 | 0.049 | 1.01E-06 | ++ |
| 15:31924605 | rs4779905 | T | C | 0.19 | -0.259 | 0.052 | 5.13E-07 | -- |
| 15:31925439 | rs7165209 | A | G | 0.79 | 0.240 | 0.049 | 9.44E-07 | ++ |
| 15:31926043 | rs4779907 | T | C | 0.21 | -0.240 | 0.049 | 9.86E-07 | -- |
| 15:31926372 | rs35546743 | A | G | 0.21 | -0.240 | 0.049 | 9.95E-07 | -- |
| 15:31926514 | rs12913866 | T | C | 0.21 | -0.240 | 0.049 | 9.95E-07 | -- |
| 15:31926516 | rs386782679 | A | G | 0.19 | -0.259 | 0.052 | 5.29E-07 | -- |
| 15:31926677 | rs12914768 | A | C | 0.79 | 0.240 | 0.049 | 9.95E-07 | ++ |
| 15:31926896 | rs12913322 | A | G | 0.19 | -0.259 | 0.052 | 5.29E-07 | -- |
| 15:31927390 | rs9302195 | T | C | 0.21 | -0.241 | 0.049 | 9.82E-07 | -- |
| 15:31927391 | rs35353915 | T | G | 0.79 | 0.241 | 0.049 | 9.79E-07 | ++ |
| 15:31927725 | rs7183092 | T | C | 0.79 | 0.240 | 0.049 | 9.86E-07 | ++ |
| 15:31927883 | rs7178026 | T | C | 0.21 | -0.240 | 0.049 | 9.86E-07 | -- |
| 15:31927889 | rs7183472 | T | C | 0.79 | 0.240 | 0.049 | 9.87E-07 | ++ |
| 15:31928098 | rs12900789 | T | C | 0.21 | -0.240 | 0.049 | 9.88E-07 | -- |
| 15:31928141 | rs12900803 | T | C | 0.21 | -0.240 | 0.049 | 9.88E-07 | -- |
| 15:31928262 | rs2925 | A | G | 0.79 | 0.240 | 0.049 | 9.89E-07 | ++ |
| 15:31930149 | rs7168828 | T | C | 0.21 | -0.240 | 0.049 | 9.92E-07 | -- |
| 15:31930337 | rs12324540 | T | C | 0.21 | -0.240 | 0.049 | 9.93E-07 | -- |
| 15:31930522 | rs35474662 | T | C | 0.19 | -0.260 | 0.052 | 5.29E-07 | -- |
| 15:31930721 | rs13380159 | T | G | 0.21 | -0.240 | 0.049 | 9.95E-07 | -- |
| 15:31930982 | rs35257316 | A | T | 0.81 | 0.260 | 0.052 | 5.29E-07 | ++ |
| 15:31931220 | rs34932530 | A | G | 0.19 | -0.260 | 0.052 | 5.29E-07 | -- |
| 15:31931331 | rs59597551 | A | T | 0.81 | 0.260 | 0.052 | 5.30E-07 | ++ |
| 15:31931403 | rs57641116 | T | C | 0.19 | -0.260 | 0.052 | 5.31E-07 | -- |
| 15:31931423 | rs34203834 | C | G | 0.79 | 0.240 | 0.049 | 1.00E-06 | ++ |
| 15:31931567 | rs59059557 | T | C | 0.19 | -0.260 | 0.052 | 5.31E-07 | -- |
| 15:31931595 | rs34268633 | T | C | 0.21 | -0.240 | 0.049 | 1.00E-06 | -- |
| 15:31932145 | rs12898638 | T | C | 0.79 | 0.240 | 0.049 | 1.00E-06 | ++ |
| 15:31932411 | rs7176033 | A | G | 0.79 | 0.240 | 0.049 | 1.00E-06 | ++ |
| 15:31932922 | rs4779909 | T | C | 0.81 | 0.260 | 0.052 | 5.33E-07 | ++ |
| 15:31933124 | rs7182046 | T | C | 0.79 | 0.240 | 0.049 | 9.58E-07 | ++ |
| 15:31933327 | rs7177069 | C | G | 0.79 | 0.240 | 0.049 | 1.01E-06 | ++ |
| 15:31933417 | rs4591098 | T | C | 0.21 | -0.240 | 0.049 | 1.01E-06 | -- |
| 15:31933873 | rs7165528 | T | C | 0.81 | 0.260 | 0.052 | 5.35E-07 | ++ |
| 15:31934134 | rs7182875 | T | C | 0.21 | -0.240 | 0.049 | 1.01E-06 | -- |
| 15:31934794 | rs8032379 | A | T | 0.21 | -0.241 | 0.049 | 9.56E-07 | -- |
| 15:31935281 | rs7172593 | T | C | 0.79 | 0.240 | 0.049 | 1.01E-06 | ++ |
| 15:31935497 | rs7496104 | A | G | 0.19 | -0.260 | 0.052 | 5.40E-07 | -- |
| 15:31936059 | rs4493010 | T | C | 0.79 | 0.240 | 0.049 | 9.65E-07 | ++ |
| 15:31936135 | rs7171868 | A | G | 0.21 | -0.240 | 0.049 | 1.02E-06 | -- |
| 15:31936445 | rs734301 | C | G | 0.79 | 0.240 | 0.049 | 1.02E-06 | ++ |
| 15:31936764 | rs71401628 | C | G | 0.21 | -0.240 | 0.049 | 1.02E-06 | -- |
| 15:31936767 | rs71401629 | A | C | 0.21 | -0.240 | 0.049 | 1.02E-06 | -- |
| 15:31937415 | rs28525283 | A | G | 0.21 | -0.240 | 0.049 | 1.03E-06 | -- |
| 15:31937496 | rs28399818 | A | G | 0.21 | -0.240 | 0.049 | 1.03E-06 | -- |
| 15:31937640 | rs67932861 | A | C | 0.19 | -0.260 | 0.052 | 5.46E-07 | -- |
| 15:31938253 | rs12907512 | T | C | 0.21 | -0.240 | 0.049 | 1.04E-06 | -- |
| 15:31938344 | rs60011586 | T | G | 0.19 | -0.259 | 0.052 | 5.54E-07 | -- |
| 15:31939001 | rs6416461 | T | C | 0.21 | -0.240 | 0.049 | 1.10E-06 | -- |
| 15:81214611\* | rs2271162 | A | C | 0.78 | 0.279 | 0.059 | 2.53E-06 | ++ |
| 2:79858862 | rs12464312 | A | G | 0.28 | 0.212 | 0.045 | 3.07E-06 | ++ |
| 2:79860698 | rs1346851 | C | G | 0.72 | -0.212 | 0.046 | 3.37E-06 | -- |
| 2:79864923\* | rs13400937 | T | G | 0.71 | -0.210 | 0.045 | 3.04E-06 | -- |
| 2:79865508 | rs1367401 | C | G | 0.28 | 0.210 | 0.046 | 3.80E-06 | ++ |
| 20:6479298\* | rs2876035 | A | G | 0.41 | -0.191 | 0.040 | 2.08E-06 | -- |
| 20:6482583 | rs6107817 | A | G | 0.40 | -0.190 | 0.040 | 2.45E-06 | -- |
| 20:6482585 | rs386812175 | A | G | 0.40 | -0.190 | 0.040 | 2.47E-06 | -- |
| 20:6484640 | rs2225351 | T | C | 0.41 | -0.188 | 0.040 | 2.97E-06 | -- |
| 20:6506275 | rs55678551 | T | C | 0.41 | -0.187 | 0.040 | 3.32E-06 | -- |
| 20:6507717 | rs6117318 | A | G | 0.41 | -0.187 | 0.040 | 3.35E-06 | -- |
| 20:6507838 | rs6117319 | C | G | 0.41 | -0.187 | 0.040 | 3.35E-06 | -- |
| 9:3940759 | rs476155 | C | G | 0.22 | 0.224 | 0.048 | 3.36E-06 | ++ |
| 9:3940862\* | rs12344176 | T | C | 0.78 | -0.225 | 0.048 | 2.57E-06 | -- |

\*Independent signals; rsID = reference single nucleotide polymorphism cluster identifier.