|  |
| --- |
| **Table S2.** SNP rs2707466 associations with pQCT derived bone parameters at different ages and meta-analyses results  |
|   |   |   | **Discovery** |   |   |   |   |   |   |   | **Meta-** **analysis** |   | **Replication** | **All cohorts** |
|   |   |   | **Alspac discovery** |  | **GOOD discovery** | **YFS discovery** |   |   |  |  |  | **MrOs Sweden** | **combined** |
|   |   |   |  |  |  |  | **19-years** |  |  |   |   |   |  |  |  |  | **70-years** |  |   |   |   |
| **Cortical** |   | **Effect** |  | **Beta** |  |  |  | **Beta** |  |  | **Beta** |  |  |  | **Beta** |  |  | **Beta** |  |  | **Beta** |   |
|  **bone parameters** |   | **allele** | **N** | **(se)** | **p** |  | **N** | **(se)** | **p** | **N** | **(se)** | **p** |  | **N** |  | **(se)** | **p** | **N** | **(se)** | **p** | **N** | **(se)** | **p** |
| Volumetric BMD | C | 3382 | 0.02 | 0.41 |   | 938 | -0.05 | 0.44 | 1558 | -0.10 | 6.4E-03 |   | 5878 |   | -0.01 | 0.48 | 1032 | -0.07 | 0.08 | 6910 | -0.02 | 0.19 |
| (mg/cm3) |   |   |   | (0.02) |   |   | (0.05) |   |   | (0.04) |   |   |   | (0.02) |   |   | (0.04) |   | (0.01) |
| Periosteal |   | C | 3382 | 0.01 | 0.43 |   | 938 | 0.03 | 0.41 | 1558 | 0.04 | 0.28 |   | 5878 |   | 0.02 | 0.18 | 1032 | 0.03 | 0.46 | 6910 | 0.02 | 0.12 |
| Circumference (mm) |   |   | (0.02) |   |   | (0.04) |   |   | (0.04) |   |   |   | (0.01) |  |   | (0.04) |   | (0.01) |
| Thickness |   | C | 3382 | -0.08 | 1.6E-04 | 938 | -0.14 | 2.2E-03 | 1558 | -0.14 | 1.7E-04 |   | 5878 |   | -0.10 | 5.9E-09 | 1032 | -0.11 | 8.0E-03 | 6910 | -0.11 | 1.5E-10 |
| (mm) |   |   |   | (0.02) |   |   | (0.05) |   |   | (0.04) |   |   |   | (0.02) |   |   | (0.04) |   | (0.02) |

Models adjusted for sex (ALSPAC and YFS), age, height, weight (ln). Betas in standard deviations and standard errors are presented