Table S4: Comparison of association with uncorrected versus corrected serum calcium

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|   |   |   |   |  |  | **primary analysis(uncorrected serum calcium)** | **secondary analysis****(albumin-corrected serum calcium)**  |
| **Locus** | **SNP** | **chr** | **position** | **A1** | **A2** | **N** | **Freq A1** | **Beta** | **SE** | **P value** | **N** | **Freq A1** | **Beta** | **SE** | **P value** |
| *CASR* | *rs1801725* | 3 | 123486447 | g | t | 39400 | 0.15 | 0.0689 | 0.0043 | 6.52E-59 |  35080 | 0.15 | 0.0647 | 0.0041 | 2.37E-55 |
| *DGKD* | *rs1550532* | 2 | 233929587 | c | g | 39400 | 0.31 | 0.0179 | 0.0033 | 4.60E-08 |  35080 | 0.31 | 0.0175 | 0.0032 | 4.19E-08 |
| GCKR | *rs780094* | 2 | 27594741 | t | c | 39400 | 0.41 | 0.0204 | 0.0031 | 3.69E-11 |  35080 | 0.42 | 0.0117 | 0.003 | 9.74E-05 |
| GATA3 | rs10491003 | 10 | 9368657 | c | t | 38361 | 0.09 | 0.0267 | 0.0056 | 1.59E-06 |  34041 | 0.09 | 0.0229 | 0.0054 | 2.48E-05 |
| CARS | rs7481584 | 11 | 2985665 | g | a | 39400 | 0.29 | -0.021 | 0.0034 | 9.21E-10 |  35080 | 0.29 | -0.0207 | 0.0033 | 3.89E-10 |
| DGKH;KIAA0564 | rs7336933 | 13 | 41457076 | g | a | 39400 | 0.15 | -0.023 | 0.0043 | 1.61E-07 |  35080 | 0.15 | -0.0205 | 0.0042 | 1.11E-06 |
| CYP24A1 | rs1570669 | 20 | 52207834 | g | a | 39400 | 0.66 | -0.018 | 0.0032 | 3.98E-08 |  35080 | 0.66 | -0.0154 | 0.0032 | 1.17E-06 |