Table 1 Frequencies of five rare variant alleles from data held on the UK Biobank for DNA from 6,536 stone formers and 388,508 non-stone formers

**Stone formers Non-stone formers**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Gene | SNP | Locus † | Major allele | Minor allele |  | Minor allele count | Minor allele frequency |  | Minor allele count | Minor allele frequency |  | Chi-squared  statistic | P value†† |
| *SLC25A25* | rs140777921 | chr9 130868670 | G | C |  | 29 | 0.002222 |  | 2534 | 0.003265 |  | 4.3180 | 0.03772 |
| *VPS16* | rs61729229 | chr20 2846052 | T | C |  | 52 | 0.003985 |  | 3119 | 0.004021 |  | 0.0042 | 0.9485 |
| *PLA2R1* | rs151215519 | chr2 160862183 | T | G |  | 26 | 0.00199 |  | 1633 | 0.002102 |  | 0.0770 | 0.7814 |
| *MAP3K5* | rs41288957 | chr6 136882715 | C | T |  | 149 | 0.0117 |  | 8362 | 0.0110 |  | 0.5629 | 0.4531 |
| *PKP4* | rs140419507 | chr2 140419507 | C | T |  | 21 | 0.001628 |  | 1467 | 0.001912 |  | 0.5385 | 0.4630 |

† dbSNP: GRCh37.p13 build; ††A Bonferroni-corrected P-value of P<0.01 (0.05/5 tests) was set as the significance threshold.

Population frequencies for the minor C allele of the *SLC25A25* variant from gnomAD v3.1.1: 0.0018