| Gene | SNP | Location\_GRCh38 | Effect\_allele | p\_bonferroni | Variant\_Type | Variant\_Effect |
| --- | --- | --- | --- | --- | --- | --- |
| ADGRG1 | rs10852554 | chr16:57663620 | T | 1.84e-02 | 3\_prime\_UTR\_variant | - |
| CA6 | rs2274330 | chr1:8949411 | C | 1.30e-02 | synonymous\_variant | - |
| rs2274333 | chr1:8957145 | G | 1.46e-02 | missense\_variant | p.Ser90Gly |
| GPR107 | rs5900882 | chr9:130054119 | T | 1.70e-03 | intron\_variant | - |
| GPR161 | chr1\_168136343 | chr1:168136343 | AGG | 9.80e-04 | frameshift\_variant | p.Pro18fs |
| OTOP1 | rs145781170 | chr4:4197180 | A | 9.58e-03 | missense\_variant | p.Leu552Phe |
| PLCB2 | rs2305645 | chr15:40303364 | T | 3.25e-02 | splice\_region\_variant&intron\_variant | - |
| rs936212 | chr15:40289342 | C | 4.11e-02 | missense\_variant | p.Glu1095Gly |
| SCNN1D | rs111819661 | chr1:1287578 | T | 7.17e-06 | missense\_variant | p.Arg461Cys |
| rs3753340 | chr1:1281678 | A | 8.07e-03 | intron\_variant | - |
| TAS2R3 | rs2270009 | chr7:141764965 | C | 1.45e-02 | synonymous\_variant | - |
| TAS2R4 | rs2234002 | chr7:141779000 | G | 2.85e-04 | missense\_variant | p.Ser171Asn |
| rs2233998 | chr7:141778508 | T | 3.30e-02 | missense\_variant | p.Phe7Ser |
| TAS2R43 | chr12\_11092056 | chr12:11092056 | TA | 9.70e-03 | frameshift\_variant | p.Leu58fs |
| rs200029065 | chr12:11091314 | G | 4.47e-02 | missense\_variant | p.Thr306Pro |
| TAS2R5 | rs2234012 | chr7:141790307 | A | 1.49e-03 | 5\_prime\_UTR\_variant | - |
| rs2227264 | chr7:141790438 | G | 2.99e-03 | missense\_variant | p.Ser26Ile |