| Gene | feature | SNP | Location\_GRCh38 | Effect\_allele | Variant\_Type | Variant\_Effect |
| --- | --- | --- | --- | --- | --- | --- |
| ADGRG1 | B\_Actinomyces\_sp.\_HMT\_896 | rs74326170 | chr16:57657497 | A | splice\_region\_variant&intron\_variant | - |
| B\_Gracilibacteria\_GN02\_G1\_bacterium\_HMT\_872 | rs74326170 | chr16:57657497 | A | splice\_region\_variant&intron\_variant | - |
| B\_Stomatobaculum\_sp.\_HMT\_097 | rs74326170 | chr16:57657497 | A | splice\_region\_variant&intron\_variant | - |
| CA6 | B\_Abiotrophia\_defectiva | rs2274330 | chr1:8949411 | C | synonymous\_variant | - |
| B\_Capnocytophaga\_sputigena | rs2274330 | chr1:8949411 | C | synonymous\_variant | - |
| B\_Lautropia\_mirabilis | rs2274330 | chr1:8949411 | C | synonymous\_variant | - |
| B\_Mitsuokella\_sp.\_HMT\_131 | rs2274330 | chr1:8949411 | C | synonymous\_variant | - |
| B\_Prevotella\_denticola | rs2274330 | chr1:8949411 | C | synonymous\_variant | - |
| B\_Prevotella\_oris | rs2274330 | chr1:8949411 | C | synonymous\_variant | - |
| B\_Scardovia\_wiggsiae | rs2274330 | chr1:8949411 | C | synonymous\_variant | - |
| B\_Streptococcus\_mutans | rs2274330 | chr1:8949411 | C | synonymous\_variant | - |
| FFAR4 | B\_Actinomyces\_sp.\_HMT\_896 | rs41290218 | chr10:93587624 | A | 3\_prime\_UTR\_variant | - |
| B\_Pseudoleptotrichia\_goodfellowii | rs41290218 | chr10:93587624 | A | 3\_prime\_UTR\_variant | - |
| B\_Riemerella\_sp.\_HMT\_322 | rs41290218 | chr10:93587624 | A | 3\_prime\_UTR\_variant | - |
| B\_Streptococcus\_mutans | rs41290218 | chr10:93587624 | A | 3\_prime\_UTR\_variant | - |
| B\_Streptococcus\_salivarius | rs41290218 | chr10:93587624 | A | 3\_prime\_UTR\_variant | - |
| F\_Candida\_dubliniensis | rs41290218 | chr10:93587624 | A | 3\_prime\_UTR\_variant | - |
| FZD6 | B\_Streptococcus\_salivarius | rs12549394 | chr8:103331379 | A | missense\_variant | p.Ala664Glu |
| GNAS | B\_Oribacterium\_sp.\_HMT\_078 | rs3730170 | chr20:58905365 | C | downstream\_gene\_variant | - |
| GPR107 | B\_Absconditabacteria\_SR1\_G1\_bacterium\_HMT\_345 | rs10615984 | chr9:130124897 | G | intron\_variant | - |
| B\_Megasphaera\_micronuciformis | rs10615984 | chr9:130124897 | G | intron\_variant | - |
| B\_Neisseria\_oralis | rs10615984 | chr9:130124897 | G | intron\_variant | - |
| B\_Selenomonas\_sputigena | rs10615984 | chr9:130124897 | G | intron\_variant | - |
| B\_Streptococcus\_mutans | rs10615984 | chr9:130124897 | G | intron\_variant | - |
| GPR87 | B\_Absconditabacteria\_SR1\_G1\_bacterium\_HMT\_345 | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| B\_Burkholderia\_cepacia | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| B\_Corynebacterium\_durum | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| B\_Gracilibacteria\_GN02\_G1\_bacterium\_HMT\_872 | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| B\_Lachnoanaerobaculum\_umeaense | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| B\_Neisseria\_oralis | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| B\_Peptostreptococcaceae\_G7\_Eubacterium\_yurii\_subsps.\_yurii\_\_margaretiae | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| B\_Prevotella\_nigrescens | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| B\_Prevotella\_salivae | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| B\_Rothia\_aeria | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| B\_Selenomonas\_sputigena | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| F\_Candida\_albicans | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| F\_Candida\_dubliniensis | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| F\_Cladosporium\_herbarum | rs9819885 | chr3:151295108 | T | synonymous\_variant | - |
| OTOP1 | B\_Gemella\_morbillorum | rs145781170 | chr4:4197180 | A | missense\_variant | p.Leu552Phe |
| B\_Leptotrichia\_sp.\_HMT\_212 | rs145781170 | chr4:4197180 | A | missense\_variant | p.Leu552Phe |
| B\_Prevotella\_salivae | rs145781170 | chr4:4197180 | A | missense\_variant | p.Leu552Phe |
| B\_Scardovia\_wiggsiae | rs145781170 | chr4:4197180 | A | missense\_variant | p.Leu552Phe |
| F\_Candida\_dubliniensis | rs145781170 | chr4:4197180 | A | missense\_variant | p.Leu552Phe |
| PLCB2 | B\_Corynebacterium\_durum | rs2305645 | chr15:40303364 | T | splice\_region\_variant&intron\_variant | - |
| B\_Gemella\_morbillorum | rs2305645 | chr15:40303364 | T | splice\_region\_variant&intron\_variant | - |
| B\_Prevotella\_salivae | rs2305645 | chr15:40303364 | T | splice\_region\_variant&intron\_variant | - |
| B\_Pseudoleptotrichia\_goodfellowii | rs2305645 | chr15:40303364 | T | splice\_region\_variant&intron\_variant | - |
| RBP4 | B\_Leptotrichia\_shahii | rs11187539 | chr10:93587181 | A | downstream\_gene\_variant | - |
| B\_Prevotella\_salivae | rs11187539 | chr10:93587181 | A | downstream\_gene\_variant | - |
| SCNN1A | B\_Actinomyces\_sp.\_HMT\_896 | rs57233912 | chr12:6348670 | A | intron\_variant | - |
| B\_Fusobacterium\_periodonticum | rs57233912 | chr12:6348670 | A | intron\_variant | - |
| B\_Leptotrichia\_sp.\_HMT\_498 | rs72657545 | chr12:6348664 | T | intron\_variant | - |
| B\_Prevotella\_salivae | rs72657545 | chr12:6348664 | T | intron\_variant | - |
| B\_Prevotella\_veroralis | rs72657545 | chr12:6348664 | T | intron\_variant | - |
| B\_Prevotella\_veroralis | rs57233912 | chr12:6348670 | A | intron\_variant | - |
| B\_Streptococcus\_mutans | rs57233912 | chr12:6348670 | A | intron\_variant | - |
| SCNN1D | B\_Neisseria\_bacilliformis | rs111819661 | chr1:1287578 | T | missense\_variant | p.Arg461Cys |
| B\_Streptococcus\_mutans | rs111819661 | chr1:1287578 | T | missense\_variant | p.Arg461Cys |
| F\_Candida\_dubliniensis | rs111819661 | chr1:1287578 | T | missense\_variant | p.Arg461Cys |
| TAS1R2 | B\_Pseudoleptotrichia\_sp.\_HMT\_219 | rs72953138 | chr1:18857682 | A | intron\_variant | - |
| TAS1R3 | B\_Fusobacterium\_periodonticum | rs112507608 | chr1:1334108 | A | missense\_variant | p.Ala735Thr |
| B\_Leptotrichia\_sp.\_HMT\_498 | rs112507608 | chr1:1334108 | A | missense\_variant | p.Ala735Thr |
| TAS2R31 | B\_Abiotrophia\_defectiva | chr12\_11031162 | chr12:11031162 | T | synonymous\_variant | - |
| B\_Capnocytophaga\_sputigena | chr12\_11031162 | chr12:11031162 | T | synonymous\_variant | - |
| B\_Lachnoanaerobaculum\_saburreum | chr12\_11031162 | chr12:11031162 | T | synonymous\_variant | - |
| B\_Scardovia\_wiggsiae | chr12\_11031162 | chr12:11031162 | T | synonymous\_variant | - |
| B\_Selenomonas\_flueggei | chr12\_11031162 | chr12:11031162 | T | synonymous\_variant | - |
| B\_Streptococcus\_mutans | chr12\_11031162 | chr12:11031162 | T | synonymous\_variant | - |
| TAS2R4 | B\_Absconditabacteria\_SR1\_G1\_bacterium\_HMT\_345 | chr7\_141779379 | chr7:141779379 | C | frameshift\_variant | p.Lys299fs |
| B\_Actinomyces\_dentalis | chr7\_141779379 | chr7:141779379 | C | frameshift\_variant | p.Lys299fs |
| B\_Lachnoanaerobaculum\_saburreum | chr7\_141779379 | chr7:141779379 | C | frameshift\_variant | p.Lys299fs |
| TAS2R42 | B\_Neisseria\_bacilliformis | chr12\_11186007 | chr12:11186007 | C | missense\_variant | p.Pro311Ala |
| B\_Neisseria\_bacilliformis | chr12\_11186008 | chr12:11186008 | A | synonymous\_variant | - |
| TAS2R43 | B\_Gemella\_morbillorum | chr12\_11092196 | chr12:11092196 | C | missense\_variant | p.Leu12Val |
| B\_Gracilibacteria\_GN02\_G1\_bacterium\_HMT\_872 | rs200029065 | chr12:11091314 | G | missense\_variant | p.Thr306Pro |
| B\_Leptotrichia\_sp.\_HMT\_212 | rs200029065 | chr12:11091314 | G | missense\_variant | p.Thr306Pro |
| B\_Pseudoleptotrichia\_sp.\_HMT\_219 | chr12\_11092196 | chr12:11092196 | C | missense\_variant | p.Leu12Val |
| B\_Veillonella\_dispar | chr12\_11092196 | chr12:11092196 | C | missense\_variant | p.Leu12Val |