

Supplementary material - A cross-sectional study of bitter-taste receptor genotypes, oral health and markers of oral inflammation

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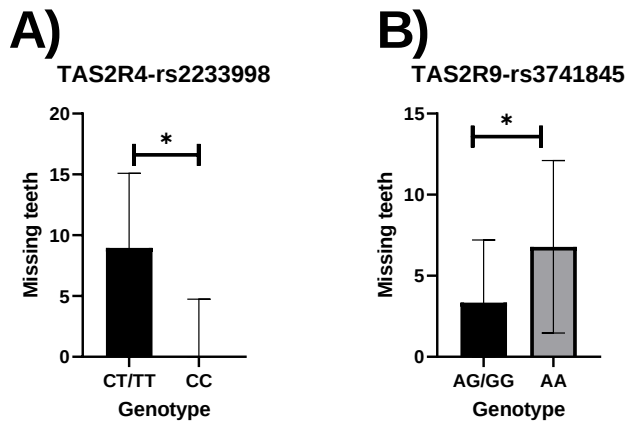


Figure S1. Relationship between bitter taste genotypes and missing teeth, Least-square adjusted means for (A) age, sex, income, education, and smoking status (B) Age, sex, income, education, smoking status and the dietary index; Significant p-values are represented as asterisks * ≤ 0.05 , ** ≤ 0.01 , *** ≤ 0.001 , **** ≤ 0.0001 and ns-non-significant; Error bars mark 95% confidence intervals.

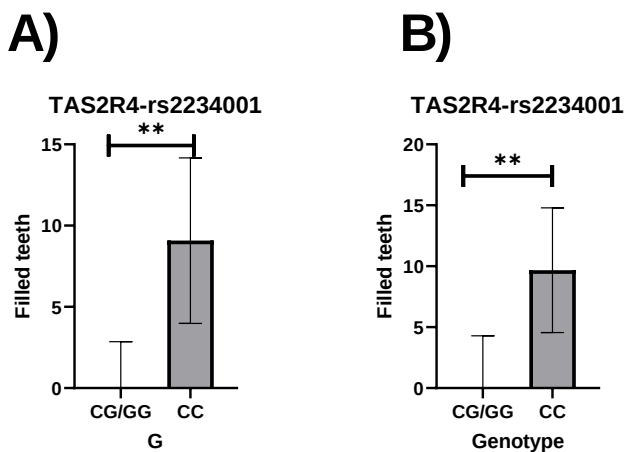


Figure S2. Relationship between bitter taste genotypes and Filled teeth, Least-square adjusted means for (A) age, sex, income, education, and smoking status (B) age, sex, income, education, smoking status and the dietary index; Significant p-values are represented as asterisks ** ≤ 0.01 , Error bars mark 95% confidence intervals.

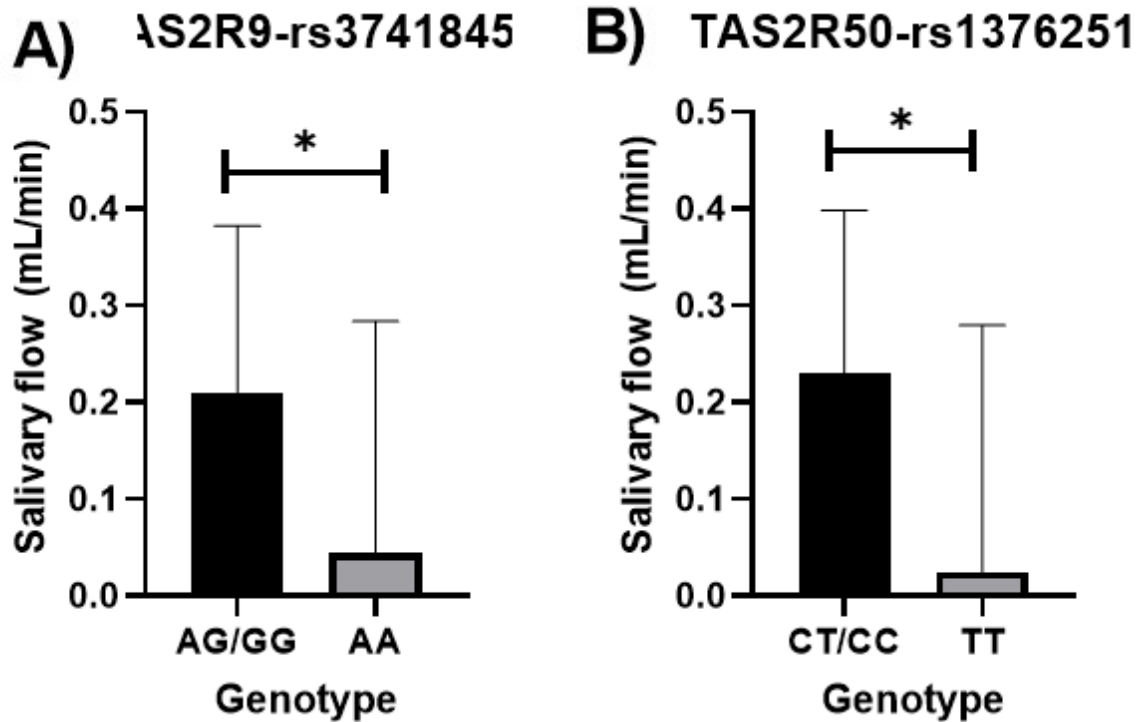


Figure S3. Relationship between bitter taste genotypes and salivary flow rate (mL/min), Least-square adjusted means (age, sex, income, education, and smoking status); (A) *TAS2R9*-rs3741845 (B) *TAS2R50*-rs1376251 Significant p-values are represented as asterisks * ≤ 0.05 , ** ≤ 0.01 , *** ≤ 0.001 , **** ≤ 0.0001 and ns-non-significant; Error bars mark 95% confidence intervals.

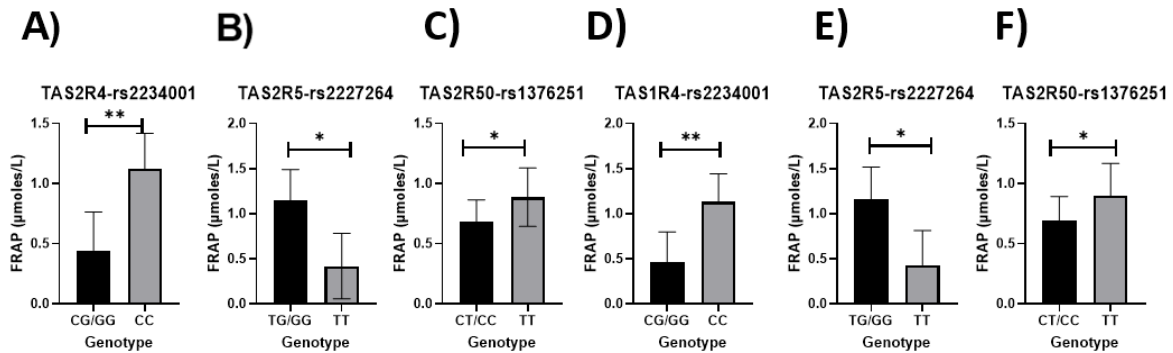


Figure S4. Relationship between bitter taste genotypes and FRAP (μmoles/L), Least-square adjusted means (age, sex, income, education, and smoking status) (A) *TAS2R4*-rs2234001, (B) *TAS2R5*-rs2227264, (C) *TAS2R50*-rs1376251. Least-square adjusted means (age, sex, income, education, smoking status and the dietary index) (D) *TAS2R4*-rs2234001, (E) *TAS2R5*-rs2227264, (F) *TAS2R50*-rs1376251. Significant p-values are represented as asterisks * ≤ 0.05 , ** ≤ 0.01 ; Error bars mark 95% confidence intervals.

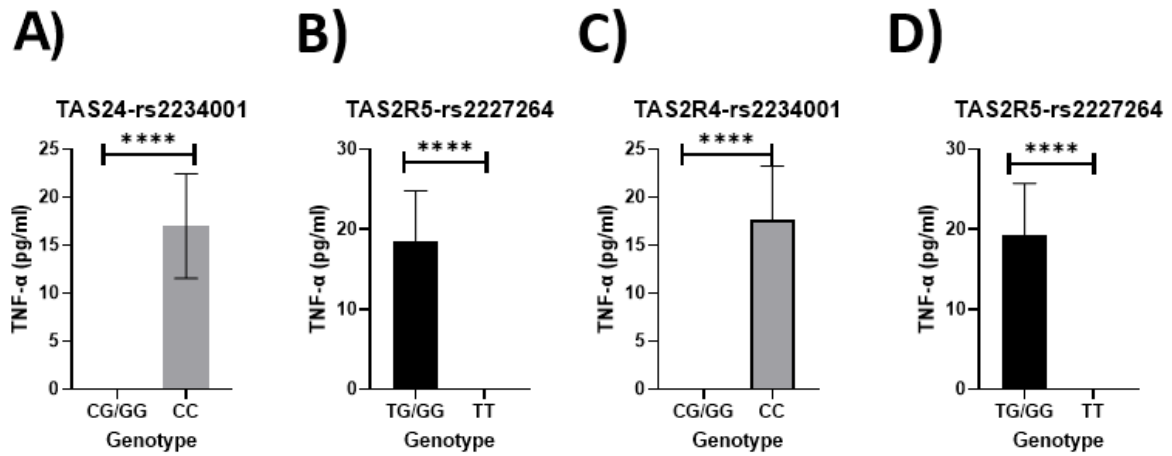


Figure S5. Relationship between bitter taste genotypes and TNF- α (pg/ml), Least-square adjusted means (age, sex, income, education, and smoking status) (A) *TAS2R4*-rs2234001, (B) *TAS2R5*-rs2227264. Least-square adjusted means (age, sex, income, education, smoking status and the dietary index) (C) *TAS2R4*-rs2234001, (D) *TAS2R5*-rs2227264; Significant p-values are represented as asterisks **** ≤ 0.0001 ; Error bars mark 95% confidence intervals.