Bitter taste receptor T2R14 and autophagy flux in gingival epithelial cells

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Supplementary figures

S1

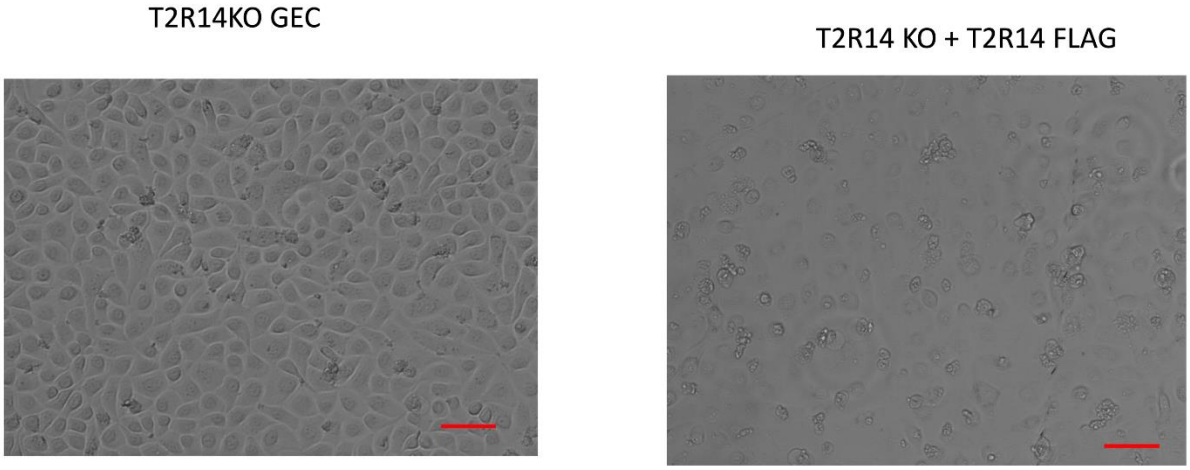

Figure S1: Light microscopy image showing GEC cell morphology after reintroduction of T2R14 FLAG in T2R14 KO GEC. Images were taken at 20x magnification.

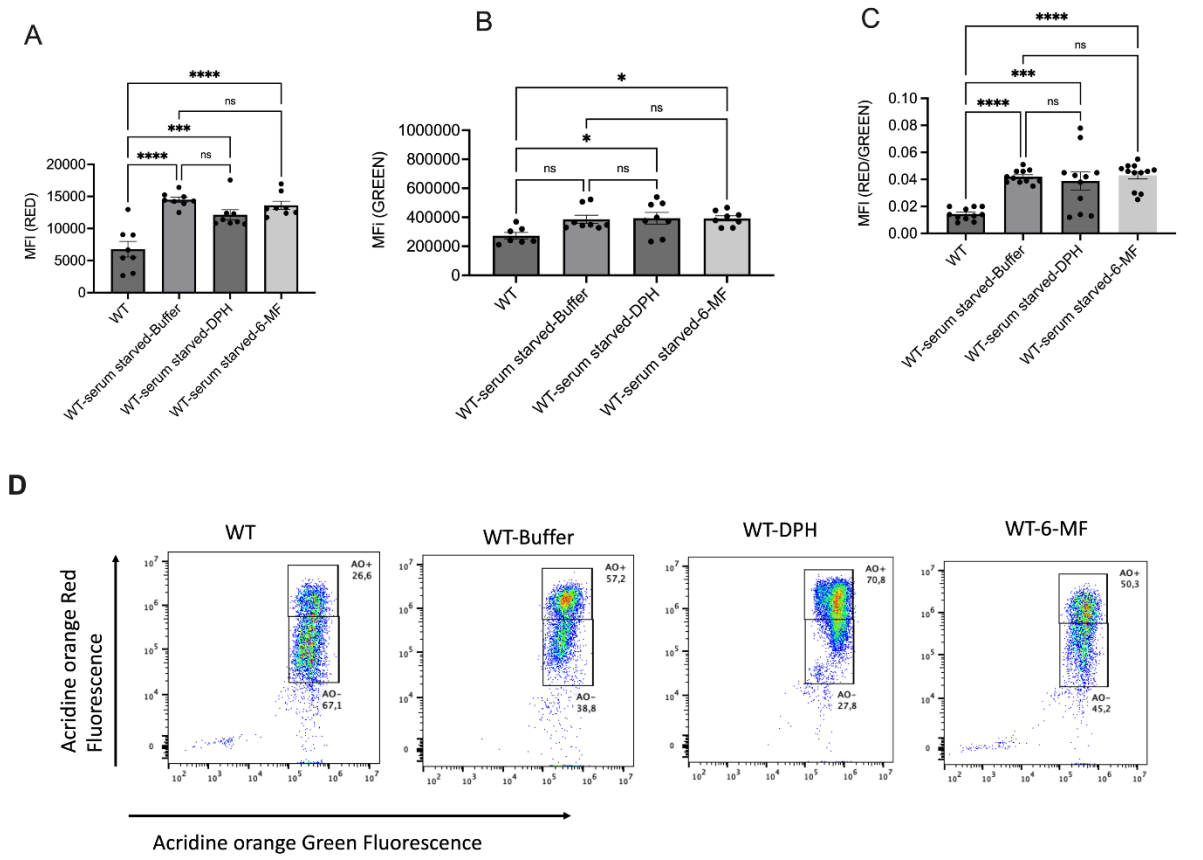

Figure S2: Acridine Orange staining of AVO for detecting autophagy flux in GEC upon treatments with DPH and 6-MF. **A-C**. Flow cytometry evaluation of red, green and red/green fluorescence ratio for detecting the autophagy flux in WT GEC under serum starved condition and with the selective agonist and antagonist treatments. The bar graphs were generated using graph pad prism 9.0. Statistical significance was calculated using One-way ANOVA with Bonferroni's post-hoc test *p<0.05, **p<0.01. The data represents SEM of 3 independent experiments. **D**. Acridine Orange staining of AVO for detecting autophagy flux in GEC. Representative raw traces showing flow cytometric detection of red and green fluorescence in acridine orange-stained WT GECs that were serum starved or treated with DPH (500 µM) and 6-MF (30 µM) for 24 hours for detecting the autophagy flux.