

## **Description of Additional Supplementary Files**

Supplementary Data 1. Overview of new data in this study and related laboratory and sequencing information

Supplementary Data 2. Overview of published data analyzed in this study

Supplementary Data 3. Pacific islands and ISEA dental calculus PCA species loadings

Supplementary Data 4. Mapping statistics for *Tannerella forsythia*

Supplementary Data 5. Mapping statistics for Anaerolineaceae bacterium oral taxon 439

Supplementary Data 6. Gubbins per-branch statistics for *Tannerella forsythia*

Supplementary Data 7. Gubbins per-branch statistics for Anaerolineaceae bacterium oral taxon 439

Supplementary Data 8. Reference genomes used for investigating authenticity of potential dietary finds

Supplementary Data 9. Microfossil findings