**Table S1** Plaque bacteria correlated with dt in the female and male groups.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Group** | **feature** | **PF** |  | **PM** |
|  |  | *R2* | *p* | *q* |  | *R2* | *p* | *q* |
| **PF** | *g\_\_Moryella* | 0.009  | 0.017  | 0.213  |  | - | - | - |
| *g\_\_Veillonella* | 0.045  | 0.013  | 0.213  |  | - | - | - |
| *f\_\_Veillonellaceae* | 0.050  | 0.007  | 0.100  |  | - | - | - |
| *o\_\_Clostridiales* | 0.060  | 0.001  | 0.016  |  | - | - | - |
| *o\_\_Lactobacillales* | -0.040  | 0.037  | 0.234  |  | - | - | - |
| *o\_\_Pseudomonadales* | -0.010  | 0.049  | 0.234  |  | - | - | - |
| *c\_\_Clostridia* | 0.060  | 0.001  | 0.010  |  | - | - | - |
| *c\_\_TM7.3* | 0.036  | 0.002  | 0.011  |  | - | - | - |
| *c\_\_Bacilli* | -0.040  | 0.049  | 0.194  |  | - | - | - |
| *p\_\_TM7* | 0.036  | 0.002  | 0.015  |  | - | - | - |
| **PM** | *g\_\_Porphyromonas* | - | - | - |  | -0.018  | 0.003  | 0.095  |
| *g\_\_Fusobacterium* | - | - | - |  | -0.042  | 0.004  | 0.095  |
| *g\_\_Neisseria* | - | - | - |  | -0.043  | 0.009  | 0.116  |
| *g\_\_Acinetobacter* | - | - | - |  | -0.008  | 0.008  | 0.116  |
| *g\_\_Granulicatella\_f\_\_Carnobacteriaceae* | - | - | - |  | -0.012  | 0.021  | 0.214  |
| *f\_\_Fusobacteriaceae* | - | - | - |  | -0.042  | 0.004  | 0.129  |
| *f\_\_Porphyromonadaceae* | - | - | - |  | -0.017  | 0.013  | 0.152  |
| *f\_\_Neisseriaceae* | - | - | - |  | -0.045  | 0.009  | 0.152  |
| *f\_\_Carnobacteriaceae* | - | - | - |  | -0.012  | 0.021  | 0.188  |
|  | *o\_\_Neisseriales* | - | - | - |  | -0.045  | 0.009  | 0.190  |
|  | *c\_\_Betaproteobacteria* | - | - | - |  | -0.044  | 0.009  | 0.122  |
|  | *c\_\_Actinobacteria* | - | - | - |  | 0.045  | 0.049  | 0.194  |
|  | *p\_\_Actinobacteria* | - | - | - | 　 | 0.045  | 0.049  | 0.125  |

Abbreviations: PF, Females' supragingival plaque; PM, Males' supragingival plaque.