Bacterial diversity in saliva and oral health-related conditions: the Hisayama Study

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Supplemental Figure Legend

Supplemental Figure 1. Rarefaction curves for a number of observed operational taxonomic units (OTUs) per sample. Mean number of observed OTUs almost reached a plateau by 5,000 sequence reads. The error bars indicate the standard deviation.

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Number of observed OTUs per sample
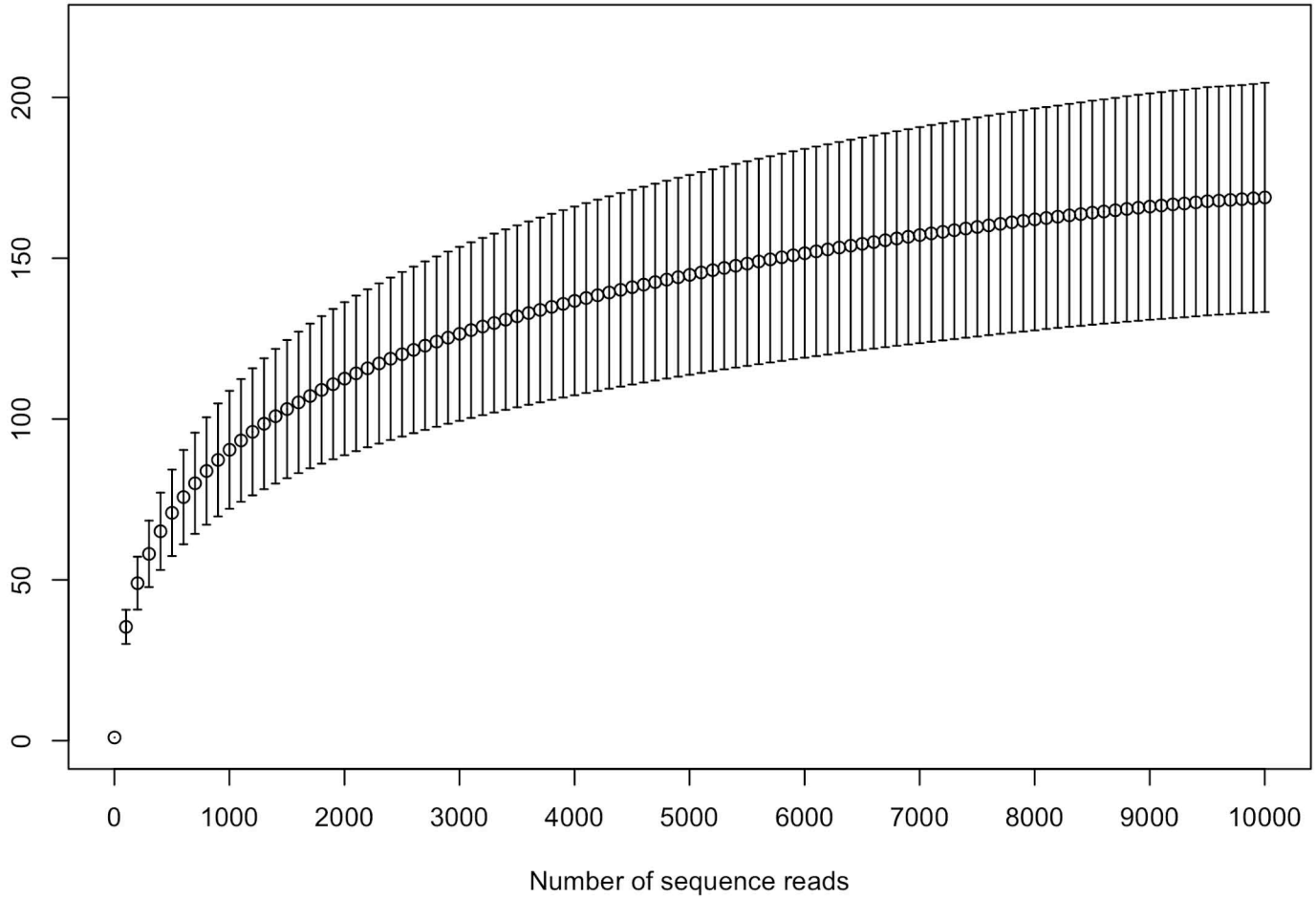
Supplemental Table

Table S1. Relative abundances of 22 dominant core operational taxonomic units (OTUs) in each community type.

		Community type			Bacterial phylum	Bacterial species
		Type I	Type II	P value[a]	corresponding to each OTU	corresponding to each OTU
5	OTU1	**2.9 ± 1.7**	1.5 ± 0.9	<0.001	*Firmicutes*	*Veillonella parvula* (161)
	OTU2	0.7 ± 1.1	**4.3 ± 3.6**	<0.001	*Bacteroidetes*	*Porphyromonas* sp. (279)
	OTU3	**2.2 ± 2.4**	0.4 ± 0.6	<0.001	*Bacteroidetes*	*Prevotella histicola* (298)
	OTU4	**1.0 ± 1.2**	0.9 ± 1.1	0.009	*Bacteroidetes*	*Alloprevotella* sp. (308)
	OTU5	**10.5 ± 6.7**	7.1 ± 4.7	<0.001	*Bacteroidetes*	*Prevotella melaninogenica* (469)
10	OTU6	**3.2 ± 1.8**	1.6 ± 1.0	<0.001	*Firmicutes*	*Veillonella atypica* (524)
	OTU7	3.0 ± 2.0	3.1 ± 1.9	0.055	*Firmicutes*	*Granlicatella adiacens* (534)
	OTU8	**1.9 ± 2.9**	1.0 ± 1.4	<0.001	*Actinobacteria*	*Rothia dentocariosa* (587)
	OTU9	2.7 ± 3.1	**15.7 ± 8.7**	<0.001	*Proteobacteria*	*Neisseria flavescens* (610)
	OTU10	4.1 ± 3.2	**4.7 ± 3.1**	<0.001	*Firmicutes*	*Streptococcus mitis* (677)
15	OTU11	**10.4 ± 8.3**	7.5 ± 5.5	<0.001	*Actinobacteria*	*Rothia mucilaginosa* (681)
	OTU12	0.9 ± 1.4	**1.8 ± 1.8**	<0.001	*Proteobacteria*	*Haemophilus parainfluenzae* (718)
	OTU13	**2.7 ± 2.2**	0.9 ± 0.9	<0.001	*Firmicutes*	*Streptococcus parasanguinis* (721)
	OTU14	**5.1 ± 4.3**	1.6 ± 1.9	<0.001	*Firmicutes*	*Streptococcus salivarius* (755)
	OTU15	1.4 ± 1.3	**2.1 ± 1.5**	<0.001	*Firmicutes*	*Gemella sanguinis* (757)
20	OTU16	**1.8 ± 2.6**	1.0 ± 1.6	<0.001	*Actinobacteria*	*Actinomyces graevenitzii* (866)
	OTU17	0.8 ± 1.0	**1.3 ± 1.1**	<0.001	*Firmicutes*	Genus *Streptococcus*
	OTU18	1.0 ± 1.3	**2.1 ± 1.6**	<0.001	*Firmicutes*	Genus *Streptococcus*
	OTU19	**3.7 ± 3.3**	3.0 ± 2.8	<0.001	*Actinobacteria*	Genus *Actinomyces*
	OTU20	**2.0 ± 2.4**	0.3 ± 0.5	<0.001	*Bacteroidetes*	Genus *Prevotella*
25	OTU21	3.5 ± 3.1	**3.8 ± 3.0**	0.020	*Firmicutes*	Genus *Streptococcus*
	OTU22	**2.6 ± 2.4**	0.9 ± 1.0	<0.001	*Firmicutes*	Genus *Streptococcus*

[a]Significant differences between two community types were evaluated by using Student's t-test. The values that were significantly higher than the other community are shown in boldface.