

SUPPLEMENTARY MATERIAL

Towards Microbiome Transplant as a Therapy for Periodontitis: an Exploratory Study of Periodontitis Microbial Signature Contrasted by Oral Health, Caries and Edentulism.

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Table S1. Number of sequences obtained from each condition and sample.

Condition	Gender	Label	Number of sequences	Average length bp	Average GC content
Edentulous	F	EF16	7,643	515	53
	M	EM9	20,104	519	52
	F	EF3	18,516	499	53
	F	EF1	15,399	523	55
Healthy	M	HM15	7,874	516	52
	M	HM10	13,375	518	54
	F	HF8	9,613	521	53
	F	HF12	2,064	491	52
Caries	M	CM14	19,131	518	53
	F	CF13	12,870	521	52
	F	CF11	23,904	500	52
	M	CM7	11,532	519	54
Periodontitis	F	PF6	7,794	520	52
	F	PF5	13,748	522	53
	M	PM4	12,686	518	53
	M	PM2	13,412	500	53

Table S2. Comparison of oral microbial community composition in different studies. Type, metagenome: direct extraction of DNA; 16S rRNA, extraction of DNA followed by PCR of rRNA genes; Method: cloning and Sanger, PCR amplification, cloning into plasmid vector and sequencing using the Sanger method; Subjects: H, oral health; C, caries; P, periodontitis; I, peri-implantitis; E, edentulism.

Study	Type	Method	Subjects	Sampling sites	PCR primers
Belda-Ferre et al. 2012	Metagenome	454	2 H, 4 C	supra-gingival plaque and cavities	None
Bik et al. 2010	16S rRNA	cloning and Sanger	10 H	supra- sub- gingival plaque, and one saliva	8F, 1391R
Diaz et al. 2012	16S rRNA	454	5 H	saliva, buccal mucosae	V1-V2 (8F, 431R)
Griffen et al. 2011	16S rRNA	454	29 H 29 P	sub-gingival samples	V1-V2 (27F, 342R), V4
Gross et al. 2010	16S rRNA	cloning and Sanger	18 H, 21 C	Dental plaque/lesions/carious dentin	A17, 317
Gross et al. 2012	16S rRNA	cloning and Sanger	36 H, 36 C	Dental plaque/lesions	A17, 317
Keijser et al. 2008	16S rRNA	454	71 H, 96 H	saliva, supra-gingival plaque	V6 (909F, 917F, 1061R)
Kumar et al. 2012	16S rRNA	454	10 H, 10 P, 10 I	Subgingival, sub-mucosae	V1-V3, V7-V9
Liu et al. 2012	Metagenome and 16S rRNA	Illumina	3H, 2P	sub-gingival plaque	27F, 338R
Zaura et al. 2009	16S rRNA	454	3 H	Supra-gingival plaque, buccal and lingual surfaces, oral mucosae, and the saliva	785F, 1061R
This study	16S rRNA	454	4 H, 4P, 4C, 4 E	Supra- and subgingival plaque, oral mucosae and the saliva	27F, 1392R

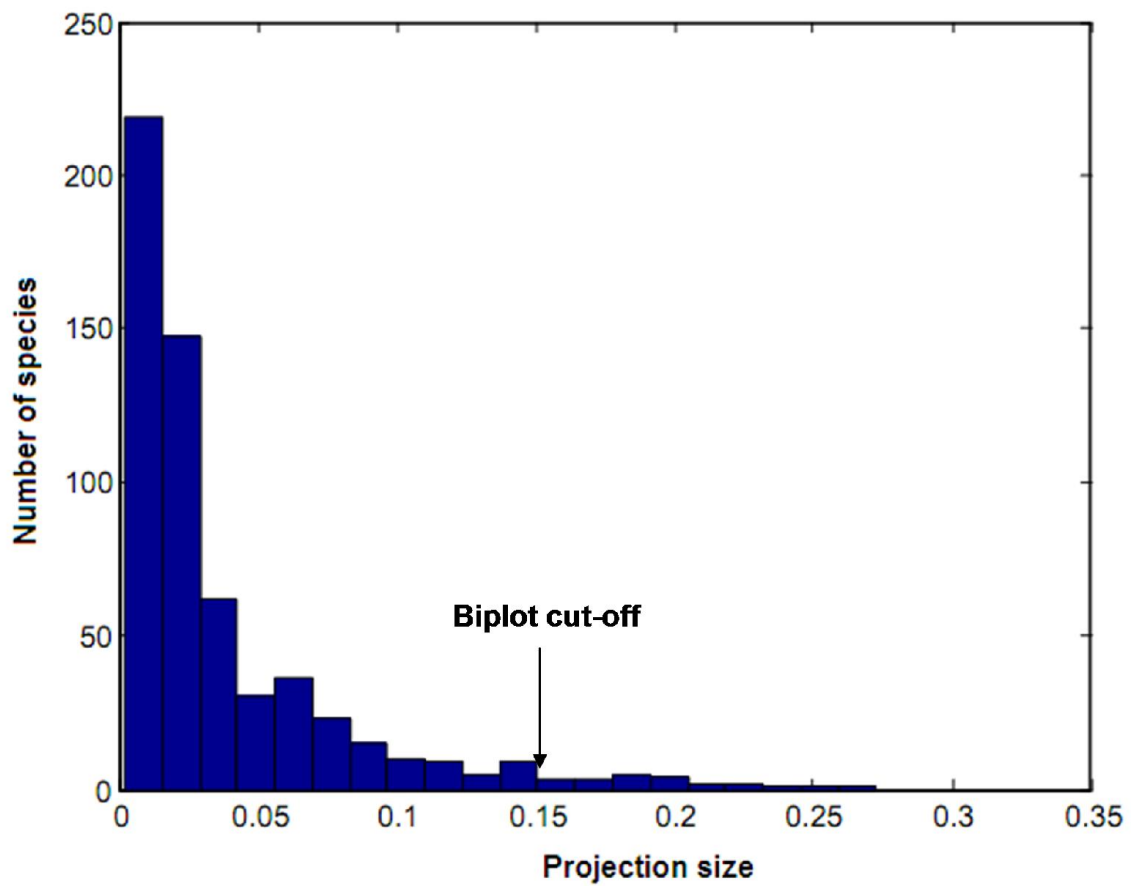


Figure S1. Determination of an arbitrary cut-off for displaying species on a biplot (Figure 4, right panel).