

Table S1: Accuracy of HMP Pearson networks compared to SparCC networks.

site	TP	TN	FP	FN	Precision (PPV)	Recall (TPR)
Anterior nares	11	1338	76	6	0.13	0.65
Buccal mucosa	26	1483	188	14	0.12	0.65
Hard palate	85	1723	172	36	0.33	0.7
Keratinized gingiva	8	612	35	11	0.19	0.42
L_Antecubital fossa	142	5493	290	70	0.33	0.67
L_Retroauricular crease	16	1328	140	1	0.1	0.94
Mid vagina	30	623	84	4	0.26	0.88
Palatine Tonsils	111	3465	197	143	0.36	0.44
Posterior fornix	21	304	53	0	0.28	1
R_Antecubital fossa	83	4514	207	47	0.29	0.64
R_Retroauricular crease	14	1126	186	0	0.07	1
Saliva	70	4379	119	88	0.37	0.44
Stool	29	9730	211	41	0.12	0.41
Subgingival plaque	119	5237	193	229	0.38	0.34
Supragingival plaque	75	3435	193	125	0.28	0.38
Throat	120	3690	155	130	0.44	0.48
Tongue dorsum	130	1390	129	121	0.5	0.52
Vaginal introitus	46	1145	123	12	0.27	0.79