

**Supplemental Table 2. Sub- and supra-gingival virome homologues within and between subjects**

By Subject	Subgingival			Supragingival		
	Percent Homologous Intra-Subject <sup>a</sup>	Percent Homologous Inter-Subject <sup>a</sup>	P value <sup>b</sup>	Percent Homologous Intra-Subject <sup>a</sup>	Percent Homologous Inter-Subject <sup>a</sup>	P value <sup>b</sup>
D1	88.87 ± 1.81	54.13 ± 3.61	<0.0001	79.92 ± 1.96	52.91 ± 2.16	<0.0001
D2	85.14 ± 2.28	50.42 ± 3.46	<0.0001	86.31 ± 1.35	33.87 ± 2.05	<0.0001
D3	86.81 ± 1.33	33.39 ± 2.26	<0.0001	80.93 ± 1.47	38.51 ± 1.89	<0.0001
D4	83.64 ± 1.88	51.98 ± 2.70	<0.0001	71.65 ± 1.96	57.98 ± 1.63	<0.0001
D5	79.09 ± 2.10	51.17 ± 2.37	<0.0001	80.78 ± 1.84	50.19 ± 2.29	<0.0001
D6	82.27 ± 2.72	67.55 ± 4.37	0.0061	78.60 ± 2.24	64.25 ± 2.62	<0.0001
D7	73.28 ± 2.42	61.59 ± 2.27	0.0016	70.91 ± 1.98	61.30 ± 1.86	0.0013
H1	80.47 ± 1.98	55.50 ± 2.41	<0.0001	80.59 ± 1.98	56.44 ± 2.40	<0.0001
H2	82.41 ± 1.95	53.93 ± 2.85	<0.0001	76.63 ± 1.43	41.24 ± 1.55	<0.0001
H3	81.74 ± 1.60	41.46 ± 2.06	<0.0001	72.08 ± 1.74	53.10 ± 1.59	<0.0001
H4	85.65 ± 1.52	46.91 ± 2.62	<0.0001	87.25 ± 1.50	45.83 ± 2.82	<0.0001
H5	87.98 ± 1.45	42.88 ± 2.82	<0.0001	87.13 ± 1.44	41.49 ± 2.74	<0.0001
H6	86.41 ± 1.55	46.43 ± 2.70	<0.0001	86.64 ± 1.53	47.08 ± 2.73	<0.0001
H7	89.76 ± 1.36	45.04 ± 3.00	<0.0001	88.79 ± 1.47	47.10 ± 2.96	<0.0001
H8	83.37 ± 1.81	54.90 ± 2.45	<0.0001	71.43 ± 2.13	65.97 ± 2.34	0.0848
H9	71.77 ± 2.21	59.97 ± 2.07	0.0008	58.03 ± 1.51	62.59 ± 1.03	0.9720

<sup>a</sup>Based on the mean of 10,000 iterations. 1,000 random contigs were sampled per iteration

<sup>b</sup>Empirical p-value based on the fraction of times the number of reads recruited to contigs for each subject exceeds that for different subjects