

Table S1. Taxa that are differentially abundant in vaginal samples in day-0 vs day-8 specimens and day-0 vs endpoint specimens (ALDEX2 analysis)

Taxon <sup>a</sup>	Mean relative abundance at	Mean relative abundance at	Mean relative abundance at	Day 0 vs Day-8			Day-0 vs Endpoint		
	Day 0 (%)	Day-8 (%)	Endpoint (%)	p-value <sup>b</sup>	FDR-p <sup>c</sup>	Effect size <sup>d</sup>	p-value <sup>b</sup>	FDR-p <sup>c</sup>	Effect size <sup>d</sup>
<i>Atopobium vaginae</i> *#	7.37	0.17	0.69	5.32E-07	<b>1.18E-05</b>	-1.59	2.68E-07	<b>1.23E-05</b>	-1.82
<i>Megasphaera</i> *#	5.33	0.05	0.27	8.19E-06	<b>7.13E-05</b>	-1.54	1.17E-06	<b>2.95E-05</b>	-1.82
<i>DNF00809</i> *#	1.17	0.07	0.14	6.98E-06	<b>7.63E-05</b>	-1.32	6.26E-06	<b>9.69E-05</b>	-1.30
<i>Dialister</i> *#	2.86	0.34	0.98	1.74E-07	<b>7.45E-06</b>	-1.25	1.56E-06	<b>4.18E-05</b>	-1.02
<i>Parvimonas</i> *#	1.50	0.06	0.41	4.88E-05	<b>3.33E-04</b>	-1.10	2.96E-04	<b>1.94E-03</b>	-0.89
<i>Prevotella spp. unclassified</i> *#	8.48	0.95	1.92	5.43E-06	<b>6.28E-05</b>	-1.09	7.18E-05	<b>6.62E-04</b>	-0.79
<i>Gemella</i> *#	0.89	0.07	0.82	2.85E-05	<b>2.24E-04</b>	-1.01	1.90E-04	<b>1.39E-03</b>	-0.72
<i>Peptoniphilus</i> *	0.68	0.22	0.72	6.77E-05	<b>4.69E-04</b>	-1.01	2.24E-01	3.85E-01	-0.24
<i>Anaerococcus</i> *	0.40	0.00	0.57	7.37E-04	<b>2.84E-03</b>	-0.86	3.12E-01	4.69E-01	0.13
<i>Sneathia amnii</i> *#	10.74	0.89	1.49	2.07E-04	<b>1.08E-03</b>	-0.81	6.87E-05	<b>5.84E-04</b>	-0.90
<i>Prevotella timonensis</i> *#	2.44	0.09	0.63	1.59E-03	<b>5.80E-03</b>	-0.80	4.79E-04	<b>2.91E-03</b>	-0.79
<i>BVAB-2</i> *#	3.09	0.68	0.27	1.59E-03	<b>5.73E-03</b>	-0.77	2.42E-04	<b>1.48E-03</b>	-0.92
<i>Porphyromonas</i> *	1.24	0.05	0.51	3.37E-03	<b>9.94E-03</b>	-0.66	2.20E-01	3.58E-01	-0.27
<i>Gardnerella</i> *#	20.32	7.91	7.79	3.28E-04	<b>1.85E-03</b>	-0.64	3.70E-05	<b>4.35E-04</b>	-0.67
<i>Sneathia sanguinegens</i> *#	4.36	1.56	1.72	1.96E-03	<b>7.12E-03</b>	-0.62	8.60E-04	<b>4.75E-03</b>	-0.80
<i>Prevotella disiens</i> *	0.82	0.04	0.69	4.49E-03	<b>1.26E-02</b>	-0.61	3.44E-01	4.99E-01	-0.22
<i>Atopobium spp. unclassified</i> *#	0.54	0.04	0.04	1.24E-02	<b>2.89E-02</b>	-0.57	1.39E-02	<b>4.38E-02</b>	-0.64
<i>Sneathia spp. unclassified</i> #	2.79	0.33	0.12	3.86E-02	7.47E-02	-0.45	2.92E-03	<b>1.26E-02</b>	-0.66
<i>Aerococcus</i> *#	2.53	0.93	0.41	1.26E-02	<b>3.31E-02</b>	-0.45	1.72E-04	<b>1.23E-03</b>	-0.77
<i>Mageeibacillus indolicus (BVAB-3)</i>	0.28	0.00	0.00	1.26E-01	1.84E-01	-0.34	3.56E-02	8.90E-02	-0.46
<i>Prevotella amnii</i> #	2.71	0.02	0.03	6.00E-02	1.05E-01	-0.32	1.61E-02	<b>5.00E-02</b>	-0.43
<i>Finegoldia</i> #	0.09	0.04	1.02	5.71E-01	6.31E-01	-0.09	3.06E-06	<b>5.64E-05</b>	1.11
<i>Lactobacillus jensenii</i> #	0.21	3.29	4.09	9.61E-02	1.38E-01	0.21	4.87E-03	<b>1.80E-02</b>	0.58
<i>Lactobacillus gasseri</i>	0.02	6.26	2.34	4.86E-02	7.87E-02	0.26	6.73E-02	1.37E-01	0.28
<i>Haemophilus</i> *	0.00	0.13	0.04	2.41E-02	<b>4.94E-02</b>	0.43	1.50E-01	2.48E-01	0.32
<i>Enterococcus</i> *	0.00	3.59	0.00	1.64E-02	<b>3.48E-02</b>	0.45	5.28E-01	6.33E-01	0.06
<i>Streptococcus</i> *	0.06	2.13	0.20	1.23E-02	<b>2.89E-02</b>	0.55	1.89E-02	5.16E-02	0.55
<i>Lactobacillus iners</i> *#	8.41	57.20	49.25	3.48E-04	<b>1.93E-03</b>	0.71	2.42E-04	<b>1.73E-03</b>	0.59
<i>Escherichia/Shigella</i> *	0.00	1.06	0.01	8.32E-04	<b>3.21E-03</b>	0.75	1.95E-01	2.97E-01	0.28
<i>Lactobacillus spp. unclassified</i> *#	0.01	0.07	2.13	1.48E-03	<b>3.99E-03</b>	0.79	9.75E-05	<b>7.07E-04</b>	0.99
<i>Staphylococcus</i> *#	0.00	0.40	0.08	3.97E-04	<b>1.75E-03</b>	0.86	4.93E-04	<b>2.79E-03</b>	0.92
<i>Ureaplasma</i> *#	0.19	3.78	1.35	1.33E-05	<b>1.23E-04</b>	0.92	8.25E-03	<b>2.84E-02</b>	0.54
<i>Corynebacterium</i> *#	0.00	0.72	0.14	2.36E-05	<b>1.91E-04</b>	1.11	4.22E-03	<b>1.51E-02</b>	0.68

<sup>a</sup>Only those taxa with a p-value<0.05 for either the Day-0 vs Day-8 or Day-0 vs Endpoint comparison are shown in this table. \* FDR-p<0.05 for Day-0 vs Day-8 comparison; # FDR-p<0.05 for Day-0 vs Endpoint comparison

<sup>b</sup>Expected P value of Wilcoxon rank test

<sup>c</sup>Expected Benjamini-Hochberg corrected P value of Wilcoxon test. Bold indicates statistically significant difference at FDR-p<0.05

<sup>d</sup>Median difference in CLR transformed abundance between Day-0 vs Day-8 groups /median of the largest difference in CLR transformed abundance within Day-0 and Day-8 groups

<sup>e</sup>Expected P value of Wilcoxon rank test

<sup>f</sup>Expected Benjamini-Hochberg corrected P value of Wilcoxon test. Bold indicates statistically significant difference at FDR-p<0.05

<sup>g</sup>Median difference in CLR transformed abundance between Day-0 vs Endpoint groups /median of the largest difference in CLR transformed abundance within Day-0 and Endpoint groups