

Supplementary File 19

Main vaginal taxa shifts in patients treated with probiotic or placebo still HPV-positive or HPV-negative after 4 months of treatment.

Main vaginal taxa	Probiotic group (HPV-positive at T=4)		Probiotic group (HPV-negative at T=4)		Placebo group (HPV-positive at T=4)		Placebo group (HPV-negative at T=4)	
	T=0	T=4	T=0	T=4	T=0	T=4	T=0	T=4
<i>Lactobacillus</i>	67.71	67.03	45.42	70.19	65.52	50.50	57.56	66.37
<i>Bifidobacterium</i>	0.24	4.83	2.51	1.26	0.01	0.08	0	0
<i>Gardnerella</i>	14.26	7.34	10.29	5.07	3.78	15.39	11.73	11.08
<i>Atopobium</i>	1.70	0.17	3.94	0.80	6.67	0.82	1.12	1.72
<i>Prevotella</i>	5.12	3.32	4.24	0.62	10.75	1.93	4.18	5.36
<i>Streptococcus</i>	0.04	1.57	3.01	10.80	0.23	0.46	4.98	0
<i>Megasphaera</i>	2.55	0.78	0	0.04	1.73	0.90	0.72	0.37
<i>Fusobacterium</i>	1.56	0.01	0.16	0.08	2.26	0.22	0	0
<i>Sneathia</i>	3.36	9.28	0.02	0.10	3.55	5.76	13.81	10.36
<i>Escherichia*</i>	0.01	0.08	4.93	0.40	0.18	0.13	0.01	0
<i>Mycoplasma</i>	0.11	0.01	0	0	0.78	0.18	0	0
<i>Ureaplasma</i>	0.09	0.45	0.30	0.75	0	0	1.43	0.02
Others	3.25	5.13	25.08	9.89	4.54	26.63	4.46	13.72

**Escherichia/Shigella*

No significant taxa shifts were observed. The analysis was performed with the Wilcoxon Rank Sums test.