

Phylum	Classification	Treatment P-Value	OVX+DHT vs OVX+P P-Value	OVX+DHT vs SHAM+DHT P-Value	OVX+DHT vs SHAM+P P-Value	OVX+P vs SHAM+DHT P-Value	OVX+P vs SHAM+P P-Value	SHAM+DHT vs SHAM+P P-Value
Firmicutes	Lactobacillus	0.00000	0.0312*	0.9290	0.8484	0.0066*	0.0037*	0.9970
Firmicutes	Lactobacillus	0.00001	0.0144*	0.9916	0.9988	0.0068*	0.0094*	0.9991
Firmicutes	Lactobacillus	0.00001	0.0147*	0.9607	0.9740	0.0040*	0.0402*	0.7963
Bacteroidetes	Bacteroidales	0.00004	0.4089	0.0358*	0.9622	0.0005*	0.6965	0.0104*
Bacteroidetes	S24-7	0.00013	0.7075	0.9763	0.0606	0.9094	0.4391	0.1438
Bacteroidetes	Bacteroidales	0.00036	0.2024	0.0039*	0.9995	0.3581	0.1641	0.0028*
Firmicutes	Lactobacillus	0.00037	0.0256*	0.3638	0.7886	0.0003*	0.0021*	0.8853
Bacteroidetes	Bacteroidales	0.00087	0.7265	0.1685	0.9900	0.0167*	0.8799	0.0905
Bacteroidetes	Rikenellaceae	0.00087	0.8407	0.2773	0.9958	0.0548	0.9303	0.1868
Bacteroidetes	S24-7	0.00158	0.4207	1.0000	0.0703	0.4361	0.7641	0.0746
Bacteroidetes	Rikenellaceae	0.00222	0.9916	0.0166*	0.0366*	0.0348*	0.0727	0.9870
Firmicutes	L. vaginalis	0.00255	0.0500	0.9900	0.9737	0.0243*	0.1213	0.8836
Deferribacteres	M. schaedleri	0.00603	0.0022*	0.0053*	0.0131*	0.9869	0.9018	0.9848
Bacteroidetes	S24-7	0.01299	0.9038	0.0056*	0.0877	0.0009*	0.0183*	0.6722
Bacteroidetes	Rikenellaceae	0.02572	0.8423	0.8164	0.9697	0.3379	0.9812	0.5531
Bacteroidetes	S24-7	0.02572	0.0366*	0.0002*	0.0000*	0.2634	0.0925	0.9462
Bacteroidetes	S24-7	0.02572	0.0479*	0.0144*	0.0015*	0.9639	0.5814	0.8510
Bacteroidetes	S24-7	0.02884	0.0174*	0.8885	0.0209*	0.0924	0.9996	0.1091
Bacteroidetes	Bacteroidales	0.02956	0.7241	0.0241*	0.9993	0.0015*	0.6493	0.0317*
Deferribacteres	M. schaedleri	0.03092	0.0004*	0.0013*	0.0023*	0.9721	0.9130	0.9962
Bacteroidetes	Bacteroidales	0.03998	0.7608	0.4291	0.9382	0.0755	0.9765	0.1677
Bacteroidetes	Rikenellaceae	0.03998	0.0019*	0.0024*	0.0105*	0.9997	0.9163	0.9450
Bacteroidetes	S24-7	0.04026	0.8356	0.1877	0.0007*	0.6280	0.0084*	0.1396
Bacteroidetes	Rikenellaceae	0.04077	0.6838	0.6010	0.9497	0.1035	0.9376	0.2966
Bacteroidetes	Bacteroidales	0.04717	0.5861	0.4042	0.9991	0.0354*	0.5015	0.4767
Bacteroidetes	Bacteroidales	0.04717	0.9669	0.0052*	0.9492	0.0183*	0.9999	0.0206*
Bacteroidetes	Bacteroidales	0.04799	0.7643	0.0270*	0.6838	0.0021*	0.1766	0.2689