

**TABLE S1** Correlation between the taxa present in bacteria and bacterial extracellular vesicle samples.

Taxon	Bacteria		Extracellular vesicles		Pearson correlation	
	mean	SD	mean	SD	Correlation	p-value
<i>Streptococcus</i>	0.2509	0.2092	0.0348	0.0280	0.0231	0.919
<i>Bacteroides</i>	0.0392	0.0394	0.0911	0.0542	-0.1276	0.575
<i>Staphylococcus</i>	0.1071	0.1227	0.0220	0.0267	0.1308	0.562
<i>Acinetobacter</i>	0.0202	0.0232	0.0691	0.0815	0.5414	0.009
Enterobacteriaceae(f)	0.0299	0.0584	0.0450	0.0360	0.2586	0.245
Ruminococcaceae(f)	0.0203	0.0243	0.0489	0.0447	0.4867	0.022
<i>Bifidobacterium</i>	0.0224	0.0242	0.0418	0.0464	0.6676	<0.001
<i>Prevotella</i>	0.0356	0.0579	0.0250	0.0421	-0.1578	0.483
Lactobacillaceae(f)	0.0015	0.0030	0.0545	0.0905	0.3049	0.168
Clostridiales(o)	0.0194	0.0225	0.0346	0.0259	0.2678	0.228
<i>Corynebacterium</i>	0.0289	0.0786	0.0244	0.0534	-0.0558	0.805
<i>Akkermansia</i>	0.0132	0.0203	0.0379	0.0323	0.1152	0.609
<i>Lactobacillus</i>	0.0275	0.0395	0.0191	0.0270	0.3725	0.088
<i>Pseudomonas</i>	0.0362	0.1521	0.0093	0.0090	-0.0262	0.908
<i>Dialister</i>	0.0205	0.0398	0.0155	0.0319	-0.0499	0.825
<i>Stenotrophomonas</i>	0.0202	0.0469	0.0138	0.0453	-0.0481	0.831
<i>Blautia</i>	0.0165	0.0385	0.0135	0.0142	-0.0324	0.886
<i>Sphingomonas</i>	0.0144	0.0498	0.0134	0.0228	-0.0532	0.814
<i>Haemophilus</i>	0.0191	0.0219	0.0077	0.0134	0.3138	0.155
<i>Neisseria</i>	0.0155	0.0388	0.0070	0.0106	-0.0473	0.834
<i>Streptophyta(o)</i>	0.0038	0.0060	0.0157	0.0336	0.0359	0.874
Lachnospiraceae(f)	0.0103	0.0130	0.0087	0.0090	-0.1354	0.548
Comamonadaceae(f)	0.0068	0.0175	0.0119	0.0282	0.9507	<0.001
<i>Collinsella</i>	0.0057	0.0091	0.0116	0.0200	-0.1349	0.55
<i>Rothia</i>	0.0120	0.0156	0.0047	0.0094	0.6018	0.003
<i>Faecalibacterium</i>	0.0149	0.0191	0.0014	0.0024	0.1400	0.534
<i>Actinomyces</i>	0.0051	0.0086	0.0105	0.0150	0.1149	0.611
Clostridiaceae(f)	0.0038	0.0059	0.0108	0.0133	0.4420	0.039
<i>Burkholderia</i>	0.0021	0.0040	0.0114	0.0383	-0.1177	0.602