

S1 Table. Variation in bacterial composition (beta diversity) among groups of samples at different times p.i. as well as mock and intact ear specimens by PERMANOVA test with and without Bonferroni correction.

Taxon: Genus						
Permutation N:	9999					
Total sum of squares:	23.73					
Within-group sum of squares:	20.74					
F:	2.37					
p (same):	0.0001					
	p values					
	VACV, Day 2	VACV, Day 5	Mock	VACV, Day 8	VACV, Day 12	
Intact	0.0121 *	0.0636	0.0001 *	0.0001 *	0.001 *	
VACV, Day 2		0.4126	0.0012 *	0.0001 *	0.0032 *	
VACV, Day 5			0.0378 *	0.0003 *	0.0084 *	
Mock				0.0002 *	0.0077 *	
VACV, Day 8					0.6891	
	Bonferroni corrected p values					
	VACV, Day 2	VACV, Day 5	Mock	VACV, Day 8	VACV, Day 12	
Intact	0.1815	0.954	0.0015 *	0.0015 *	0.015 *	
VACV, Day 2		1	0.018 *	0.0015 *	0.048 *	
VACV, Day 5			0.567	0.0045 *	0.126	
Mock				0.003 *	0.1155	
VACV, Day 8					1	

Taxon: Species						
Permutation N:	9999					
Total sum of squares:	28.23					
Within-group sum of squares:	24.52					
F:	2.483					
p (same):	0.0001					
	p values					
	VACV, Day 2	VACV, Day 5	Mock	VACV, Day 8	VACV, Day 12	
Intact	0.002 *	0.015 *	0.0001 *	0.0001 *	0.0002 *	
VACV, Day 2		0.2924	0.001 *	0.0001 *	0.0003 *	
VACV, Day 5			0.0484 *	0.0004 *	0.0036 *	
Mock				0.0002 *	0.0013 *	
VACV, Day 8					0.0597	
	Bonferroni corrected p values					
	VACV, Day 2	VACV, Day 5	Mock	VACV, Day 8	VACV, Day 12	
Intact	0.03 *	0.225	0.0015 *	0.0015 *	0.003 *	
VACV, Day 2		1	0.015 *	0.0015 *	0.0045 *	
VACV, Day 5			0.726	0.006 *	0.054	
Mock				0.003 *	0.0195 *	
VACV, Day 8					0.8955	

P values between different groups of samples. p < 0.05 marked with *.