

Table 4. PERMANOVA analyses of betadiversity of miniopterid bat skin, oral, and gut microbiota and malarial status (formula: betadiversity distance ~ host species / malarial status, srtata = host species, permutations = 1000; degrees of freedom = 3). Asterisk denotes significance of  $\text{Pr}( > F ) < 0.05$  with FDR correction.

	$\beta$ diversity metric	SumOfSqs	R <sup>2</sup>	F	Pr(>F)	
Skin	Unweighted UniFrac	0.762	0.037	1.033	0.37	
	Weighted UniFrac	0.153	0.026	0.927	0.644	
Oral	Unweighted UniFrac	1.317	0.070	1.632	0.002	*
	Weighted UniFrac	0.260	0.056	1.276	0.237	
Gut	Unweighted UniFrac	0.858	0.045	0.998	0.644	
	Weighted UniFrac	0.242	0.037	0.831	0.682	