

Supplementary Table 3: *Host species and habitat type influence bacterial variation. PERMANOVA test was used to determine if host species, habitat, collection, and their interactions explain the microbial variance in the bird microbiome.*

Factor	r²	p-value
Bird species	0.09	0.001 ***
Habitat	0.04	0.09 .
Collection date	0.01	0.135
Bird species * Habitat	0.12	0.049 *
Bird species * Collection date	0.04	0.073 .
Collection date * Habitat	0.04	0.729
Bird species * Habitat * Collection date	0.09	0.747