

Table S3.

A.		Season				Diet				Vampire			
		ANOSIM		Adonis		ANOSIM		Adonis		ANOSIM		Adonis	
		R	p	R ²	p	R	p	R ²	p	R	p	R ²	p
1. Full Dataset N = 113	Weighted Bray-Curtis	0.27	0.001	0.041	0.001	0.15	0.001	0.010	0.056	0.23	0.001	0.051	0.001
	Unweighted Bray-Curtis	0.20	0.001	0.038	0.001	0.19	0.001	0.009	0.12	0.31	0.001	0.057	0.001
	Weighted UniFrac	0.30	0.001	0.073	0.001	0.12	0.001	0.008	0.18	0.16	0.001	0.060	0.001
	Unweighted UniFrac	0.21	0.001	0.029	0.001	0.26	0.001	0.012	0.013	0.38	0.001	0.050	0.001
2. November samples N = 60	Weighted Bray-Curtis					0.33	0.001	0.017	0.19	0.35	0.001	0.11	0.001
	Unweighted Bray-Curtis					0.32	0.001	0.017	0.21	0.35	0.001	0.12	0.001
	Weighted UniFrac					0.30	0.001	0.016	0.26	0.29	0.001	0.14	0.001
	Unweighted UniFrac					0.41	0.001	0.020	0.064	0.43	0.001	0.10	0.001
3a. No <i>G. septentrionalis</i> , balanced by season N = 82	Weighted Bray-Curtis	0.17	0.001	0.056	0.001	-0.07	0.95	0.018	0.076				
	Unweighted Bray-Curtis	0.14	0.001	0.049	0.001	-0.05	0.88	0.017	0.15				
	Weighted UniFrac	0.17	0.001	0.078	0.001	-0.05	0.87	0.015	0.28				
	Unweighted UniFrac	0.13	0.001	0.036	0.001	-0.03	0.75	0.02	0.01				
3b. No <i>G. septentrionalis</i> , balanced season & diet N = 40	Weighted Bray-Curtis	0.17	0.001	0.068	0.002	0.019	0.32	0.032	0.24				
	Unweighted Bray-Curtis	0.15	0.002	0.063	0.002	0.022	0.27	0.031	0.27				
	Weighted UniFrac	0.15	0.009	0.087	0.004	0.008	0.34	0.028	0.31				
	Unweighted UniFrac	0.14	0.002	0.052	0.001	0.062	0.10	0.034	0.053				
4. Herbivorous finches, balanced by season N = 50	Weighted Bray-Curtis	0.21	0.001	0.074	0.001								
	Unweighted Bray-Curtis	0.17	0.001	0.068	0.001								
	Weighted UniFrac	0.24	0.001	0.11	0.001								
	Unweighted UniFrac	0.16	0.001	0.050	0.001								
5. Insectivorous finches, balanced by season N = 20	Weighted Bray-Curtis	0.076	0.17	0.077	0.12								
	Unweighted Bray-Curtis	0.072	0.18	0.071	0.16								
	Weighted UniFrac	0.042	0.23	0.074	0.18								
	Unweighted UniFrac	0.11	0.09	0.075	0.082								
6a. <i>G. fuliginosa</i> , balanced by season N = 22	Weighted Bray-Curtis	0.38	0.001	0.12	0.002								
	Unweighted Bray-Curtis	0.38	0.001	0.12	0.002								
	Weighted UniFrac	0.45	0.001	0.17	0.005								
	Unweighted UniFrac	0.31	0.002	0.086	0.006								
7a. <i>G. fuliginosa</i> & <i>G. fortis</i> , balanced by season N = 30	Weighted Bray-Curtis	0.28	0.001	0.11	0.001								
	Unweighted Bray-Curtis	0.26	0.001	0.11	0.001								
	Weighted UniFrac	0.35	0.001	0.18	0.001								
	Unweighted UniFrac	0.23	0.001	0.078	0.001								
8. <i>G. fuliginosa</i> on San Cristobal Island, balanced by season N = 14	Weighted Bray-Curtis	0.46	0.003	0.20	0.004								
	Unweighted Bray-Curtis	0.43	0.003	0.19	0.003								
	Weighted UniFrac	0.47	0.007	0.27	0.006								
	Unweighted UniFrac	0.40	0.005	0.15	0.005								
9. No <i>G. septentrionalis</i> , dry season, balanced by diet N = 32	Weighted Bray-Curtis					0.018	0.30	0.036	0.32				
	Unweighted Bray-Curtis					0.011	0.38	0.036	0.36				
	Weighted UniFrac					0.015	0.33	0.044	0.21				
	Unweighted UniFrac					0.028	0.24	0.039	0.22				
10. No <i>G. septentrionalis</i> , wet season, balanced diet N = 20	Weighted Bray-Curtis					0.012	0.43	0.062	0.33				
	Unweighted Bray-Curtis					0.044	0.28	0.063	0.28				
	Weighted UniFrac					0.013	0.40	0.054	0.42				
	Unweighted UniFrac					0.10	0.12	0.075	0.075				
11. Herbivores and insectivores, Santa Cruz, wet season, unbalanced** N = 10	Weighted Bray-Curtis					0.75	0.005	-	-				
	Unweighted Bray-Curtis					0.42	0.017	-	-				
	Weighted UniFrac					0.24	0.079	-	-				
	Unweighted UniFrac					0.35	0.019	-	-				
12a. Ground finches during the dry season, balanced by diet** N = 18	Weighted Bray-Curtis					0.11	0.16	0.087	0.067				
	Unweighted Bray-Curtis					0.14	0.057	0.095	0.031				
	Weighted UniFrac					0.15	0.093	0.14	0.020				
	Unweighted UniFrac					0.18	0.024	0.093	0.007				
13a. Dry season finches, balanced by vampire N = 62	Weighted Bray-Curtis					0.32	0.001	0.016	0.35	0.34	0.001	0.10	0.001
	Unweighted Bray-Curtis					0.32	0.001	0.016	0.42	0.33	0.001	0.11	0.001
	Weighted UniFrac					0.25	0.001	0.018	0.34	0.23	0.001	0.090	0.001
	Unweighted UniFrac					0.38	0.001	0.017	0.27	0.41	0.001	0.095	0.001
13b. Dry season finches, balanced by vampire N = 20	Weighted Bray-Curtis					0.33	0.001	0.048	0.49	0.38	0.003	0.15	0.003
	Unweighted Bray-Curtis					0.36	0.001	0.051	0.46	0.39	0.002	0.15	0.003
	Weighted UniFrac					0.28	0.001	0.056	0.36	0.28	0.019	0.14	0.016
	Unweighted UniFrac					0.42	0.001	0.055	0.35	0.45	0.003	0.14	0.016
14. Feather isotope finches, dry season, balanced by vampire N = 30	Weighted Bray-Curtis									0.30	0.001	0.14	0.001
	Unweighted Bray-Curtis									0.29	0.001	0.14	0.001
	Weighted UniFrac									0.18	0.002	0.12	0.002
	Unweighted UniFrac									0.34	0.001	0.12	0.002
15. Three ex- <i>G. difficilis</i> , balanced by vampire N = 18	Weighted Bray-Curtis									0.57	0.001	0.20	0.001
	Unweighted Bray-Curtis									0.58	0.001	0.22	0.001
	Weighted UniFrac									0.46	0.001	0.23	0.001
	Unweighted UniFrac									0.69	0.001	0.19	0.001

B.		Species				Island				Latitude			
		ANOSIM		Adonis		ANOSIM		Adonis		ANOSIM		Adonis	
		R	p	R ²	p	R	p	R ²	p	R	p	R ²	p
1. Full Dataset	Weighted Bray-Curtis	0.27	0.001	0.077	0.003	0.21	0.001	0.078	0.001	0.14	0.001	0.048	0.001
N = 113	Unweighted Bray-Curtis	0.27	0.001	0.076	0.002	0.24	0.001	0.077	0.001	0.16	0.001	0.050	0.001
	Weighted UniFrac	0.24	0.001	0.073	0.019	0.17	0.001	0.082	0.001	0.097	0.001	0.051	0.001
	Unweighted UniFrac	0.34	0.001	0.080	0.001	0.27	0.001	0.062	0.001	0.19	0.001	0.045	0.001
2. November samples	Weighted Bray-Curtis	0.40	0.001	0.11	0.004	0.36	0.001	0.072	0.001	-0.01	0.50	0.024	0.028
N = 60	Unweighted Bray-Curtis	0.38	0.001	0.11	0.001	0.38	0.001	0.079	0.001	-0.01	0.56	0.024	0.027
	Weighted UniFrac	0.36	0.001	0.090	0.051	0.35	0.001	0.086	0.001	-0.04	0.62	0.025	0.036
	Unweighted UniFrac	0.45	0.001	0.098	0.003	0.43	0.001	0.086	0.001	0.058	0.24	0.026	0.009
3a. No <i>G. septentrionalis</i> , balanced by season	Weighted Bray-Curtis	-0.01	0.52	0.15	0.001	0.052	0.090	0.070	0.001				
N = 82	Unweighted Bray-Curtis	0.030	0.30	0.15	0.001	0.051	0.092	0.064	0.002				
	Weighted UniFrac	-0.01	0.54	0.16	0.001	0.037	0.15	0.072	0.003				
	Unweighted UniFrac	0.070	0.11	0.14	0.001	0.034	0.17	0.060	0.002				
6a. <i>G. fuliginosa</i> , balanced by season	Weighted Bray-Curtis					0.10	0.21	0.12	0.05				
N = 22	Unweighted Bray-Curtis					0.10	0.20	0.11	0.09				
	Weighted UniFrac					0.06	0.30	0.10	0.21				
	Unweighted UniFrac					0.11	0.15	0.11	0.08				
6b. <i>G. fuliginosa</i> , balanced by island*	Weighted Bray-Curtis					0.35	0.07	0.23	0.06				
N = 8	Unweighted Bray-Curtis					0.37	0.09	0.23	0.07				
	Weighted UniFrac					0.35	0.10	0.25	0.11				
	Unweighted UniFrac					0.30	0.13	0.19	0.11				
7b. <i>G. fuliginosa</i> & <i>G. fortis</i> , balanced by species	Weighted Bray-Curtis	0	0.48	0.048	0.29								
N = 22	Unweighted Bray-Curtis	0.020	0.36	0.052	0.21								
	Weighted UniFrac	0.049	0.22	0.057	0.17								
	Unweighted UniFrac	0.040	0.27	0.070	0.20								
7c. <i>G. fuliginosa</i> & <i>G. fortis</i> , balanced by island	Weighted Bray-Curtis					0.060	0.15	0.060	0.066				
N = 24	Unweighted Bray-Curtis					0.031	0.28	0.054	0.12				
	Weighted UniFrac					0.038	0.22	0.045	0.18				
	Unweighted UniFrac					0.058	0.20	0.054	0.11				
12b. Ground finches during the dry season, balanced by species**	Weighted Bray-Curtis	0.33	0.016	0.37	0.008								
N = 15 (n=3 x 5 sp.)	Unweighted Bray-Curtis	0.35	0.008	0.39	0.002								
	Weighted UniFrac	0.32	0.027	0.41	0.010								
	Unweighted UniFrac	0.28	0.030	0.35	0.004								
12c. Ground finches during the dry season, balanced by island**	Weighted Bray-Curtis					0.37	0.001	0.25	0.001	0.20	0.005	-	-
N = 24 (n=6 x 4 islands)	Unweighted Bray-Curtis					0.34	0.001	0.26	0.001	0.24	0.001	-	-
	Weighted UniFrac					0.42	0.001	0.35	0.001	0.22	0.005	-	-
	Unweighted UniFrac					0.35	0.001	0.22	0.001	0.32	0.001	-	-
15. Three ex- <i>G. difficilis</i> ", balanced by vampire	Weighted Bray-Curtis	0.53	0.002	-	-	0.60	0.001	0.17	0.015				
N = 18	Unweighted Bray-Curtis	0.50	0.002	-	-	0.60	0.001	0.17	0.018				
	Weighted UniFrac	0.47	0.003	-	-	0.49	0.001	0.19	0.017				
	Unweighted UniFrac	0.50	0.002	-	-	0.56	0.001	0.13	0.087				
16. Herbivorous finches, Santa Cruz, dry season, ~balanced species**	Weighted Bray-Curtis	0.28	0.025	0.30	0.03								
N = 10	Unweighted Bray-Curtis	0.41	0.003	0.32	0.008								
	Weighted UniFrac	0.12	0.20	0.24	0.28								
	Unweighted UniFrac	0.29	0.017	0.25	0.14								
17. <i>G. septentrionalis</i> , balanced by island	Weighted Bray-Curtis					0.16	0.001	0.093	0.001				
N = 30	Unweighted Bray-Curtis					0.21	0.001	0.11	0.001				
	Weighted UniFrac					0.18	0.002	0.11	0.001				
	Unweighted UniFrac					0.23	0.001	0.092	0.001				
18. <i>G. fuliginosa</i> & <i>G. fortis</i> , wet season, balanced by island**	Weighted Bray-Curtis	0.16	0.18	0.09	0.75	-0.11	0.73	0.13	0.38				
N = 10	Unweighted Bray-Curtis	0.15	0.16	0.10	0.59	0.15	0.16	0.13	0.37				
	Weighted UniFrac	0.13	0.22	0.14	0.26	0.13	0.22	0.13	0.35				
	Unweighted UniFrac	0.16	0.18	0.12	0.43	0.16	0.18	0.13	0.28				
19. <i>G. fuliginosa</i> & <i>G. fortis</i> , dry season, balanced by island**	Weighted Bray-Curtis	0.25	0.10	0.10	0.05	0.32	0.004	0.15	0.002				
N = 14	Unweighted Bray-Curtis	0.25	0.11	0.11	0.03	0.29	0.005	0.16	0.002				
	Weighted UniFrac	0.16	0.19	0.067	0.28	0.43	0.010	0.22	0.008				
	Unweighted UniFrac	0.23	0.11	0.089	0.11	0.26	0.014	0.13	0.005				