

**Supplemental Table 6.** Pairwise  $F_{ST}$  of populations of Rhoadsia in western Ecuador based on mitochondrial gene cytochrome b.  $F_{ST}$  values are below the diagonal. Significance values are above the diagonal (significance level=0.05): + (significant), - (not significant).  $F_{ST}$  values were colored to different shades of grey to represent the level of genetic differentiation (see legend at the bottom of the table).

Cyt-b																							
Drainages		Sua	Atacames	Esmeraldas					Guayas						Taura	San Pablo	Jubones					Santa Rosa	
	Sites	Su	At	E2B	E9	E4	E6	E8	G6	G7	G1	G2	G5	G3	G4	Ta	SP	J1	J2	J3	J4	J5	SR
Sua	Su	*	-	+	+	+	+	+	-	+	+	+	-	+	+	-	+	+	+	+	+	+	
Atacames	At	0.00	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Esmeraldas	E2B	0.98	0.98	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
	E9	0.84	0.93	0.74	*	+	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	
	E4	0.82	0.89	0.28	0.15	*	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	
	E6	0.80	0.88	0.22	0.20	0.00	*	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	
	E8	0.77	0.86	0.51	0.05	0.07	0.08	*	-	+	+	+	+	+	+	+	+	+	+	+	+	+	
Guayas	G6	0.68	0.93	0.89	0.49	0.62	0.62	0.51	*	-	-	-	-	+	+	-	+	+	+	+	+	+	
	G7	0.66	0.90	0.83	0.27	0.48	0.48	0.29	0.00	*	-	-	-	+	+	-	+	+	+	+	+	+	
	G1	0.60	0.74	0.59	0.18	0.34	0.35	0.16	0.22	0.03	*	-	+	+	+	-	+	+	+	+	+	+	
	G2	0.75	0.86	0.77	0.29	0.46	0.47	0.26	0.41	0.14	0.05	*	+	+	+	+	+	+	+	+	+	+	
	G5	0.97	0.99	0.98	0.90	0.88	0.87	0.86	0.70	0.76	0.72	0.85	*	+	+	-	+	+	+	+	+	+	
	G3	0.77	0.90	0.85	0.71	0.76	0.76	0.73	0.63	0.62	0.54	0.67	0.49	*	+	-	+	+	+	+	+	+	
	G4	0.76	0.87	0.81	0.70	0.75	0.75	0.73	0.66	0.65	0.59	0.68	0.38	0.13	*	-	+	+	+	+	+	+	
Taura	Ta	0.95	0.98	0.97	0.83	0.83	0.82	0.79	0.54	0.61	0.51	0.73	0.75	0.00	0.16	*	+	-	-	+	+	+	-
San Pablo	SP	0.87	0.94	0.91	0.83	0.83	0.82	0.81	0.78	0.77	0.68	0.79	0.66	0.42	0.40	0.48	*	+	+	+	+	+	+
Jubones	J1	0.89	0.93	0.92	0.84	0.85	0.85	0.83	0.83	0.80	0.68	0.79	0.79	0.40	0.45	0.33	0.63	*	-	+	+	+	+
	J2	0.88	0.93	0.91	0.83	0.84	0.84	0.82	0.81	0.79	0.66	0.78	0.76	0.31	0.38	0.15	0.58	0.02	*	+	+	+	+
	J3	1.00	0.99	0.99	0.97	0.93	0.92	0.92	0.97	0.95	0.79	0.91	0.99	0.68	0.63	0.97	0.85	0.19	0.41	*	+	+	+
	J4	1.00	0.99	0.99	0.97	0.92	0.91	0.91	0.97	0.95	0.80	0.92	0.98	0.71	0.61	0.98	0.22	0.83	0.80	1.00	*	-	+
	J5	1.00	1.00	0.99	0.97	0.93	0.92	0.92	0.97	0.96	0.81	0.93	0.99	0.74	0.63	0.98	0.25	0.84	0.82	1.00	0.00	*	+
Santa Rosa	SR	0.89	0.93	0.91	0.83	0.85	0.84	0.83	0.82	0.79	0.68	0.79	0.77	0.41	0.45	0.34	0.62	0.08	0.13	0.30	0.83	0.84	*

**Genetic differentiation level**

≥0.25	Very great
0.16 - 0.24	Great
0.06 - 0.15	Moderate
≤0.05	Little