

**Supplemental Table 1.** Catalog information of specimens obtained from museums. ROM (Royal Ontario Museum), STRI (Smithsonian Tropical Research Institute Panama), N (Sample size), ID (specimen Identification in this study).

Source	Country	Drainage	Site	Code	N	ID	Species	Catalog
ROM	Ecuador	Esmeraldas	Silanchi	E9	8	T1 -T8	<i>Rhoadsia minor</i>	T13569 - T13576
	Ecuador	Guayas	Otongo	G7	4	T11- T14	<i>Rhoadsia altipinna</i>	T13677 - T13680
	Ecuador	Guayas	Chiguilpe	G6	2	T9 - T10	<i>Rhoadsia altipinna</i>	T13638 -T13639
	Ecuador	Taura	Cutahay	Ta	2	T15 - T16	<i>Rhoadsia altipinna</i>	T13874, T13868
	Colombia	Calima	Colombia	Par	4	T17 - T20	<i>Parastremma sadina</i>	T25079 - T25082
STRI	Panama	N/A	Guna Yala	Car	1	S1	<i>Carlana eigenmanni</i>	STRI-1676
	Nicaragua	N/A	Rio Mena	Car	1	S2	<i>Carlana eigenmanni</i>	STRI-14863
	Costa Rica	N/A	Alajuela	Car	1	S3	<i>Carlana eigenmanni</i>	STRI-2160
	Panama	N/A	Guna Yala	Car	1	S4	<i>Carlana eigenmanni</i>	STRI-2618
	Panama	N/A	Guna Yala	Car	1	S5	<i>Carlana eigenmanni</i>	STRI-4889
	Nicaragua	N/A	Chonatales	Car	1	S6	<i>Carlana eigenmanni</i>	STRI-14434
	Panama	N/A	Guna Yala	Car	1	S7	<i>Carlana eigenmanni</i>	STRI-1675

