

Table S1. Results of non-parametric multiple regression analyses (9999 permutations; two-tailed tests; 3 and 51 degrees of freedom) of Brazilian red-belly toad chemical defenses in relation to sex, skin mass, and age following exclusion of the seven juvenile specimens. Statistically significant *P*-values are marked in **bold**.

	Alkaloid Richness			Alkaloid Quantity			Bufotenine Quantity		
	Sex	Skin Mass	Age	Sex	Skin Mass	Age	Sex	Skin Mass	Age
Regression coefficient	0.2207798	0.0037913	1.1439251	149.7665	1.24970	48.684	24.74898	0.570354	0.067456
<i>P</i>	0.8909	0.7964	0.0205	0.1583	0.1787	0.1169	0.4527	0.0483	0.9945
<i>R</i> ²		0.1100187			0.3212327			0.2443528	
<i>R</i> ² -adj		0.05766691			0.2813052			0.199903	
<i>F</i>		7.348518			8.045402			5.497271	
<i>P</i>		0.1095			0.0001			0.0025	