

Title: Sex and site-specific trends in veined rapa whelk (*Rapana venosa*) tributyltin bioaccumulation: considerations for biomonitoring

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Supplementary Material 4. Summary of statistical tests used to compare slopes from fitted linear regressions of *Rapana venosa* data. Asterisks indicate statistical significance at alpha = 0.05. df = degrees of freedom. SL = shell length (mm). PL = penis length (mm). M = Marina. C = Creek. R = River. Log = logarithm. IS = Imposex severity.

Test to compare slopes	X	Y	Covariate	Test statistic	df	p value	Slope multiple comparison result (Tukeys)
ANCOVA	Log Female SL	Log Female PL	Site	F = 91.62	2, 31	< 0.01*	M > R, C, R = C
ANCOVA	Log Male SL	Log Male PL	Site	F = 14.20	2, 69	< 0.01*	M > R > C
t-test	Log R SL	Log R PL	Sex	t = -8.68	26	<0.01*	Females > Males
	Log C SL	Log C PL	Sex	t = 12.99	22	< 0.01*	Males > Females
	Log M SL	Log M PL	Sex	t = 82.35	16	< 0.01*	Males > Females
ANCOVA	Log Female [TBT]	Log Female IS	Site	F = 91.35	2, 34	< 0.01*	M > R, M = C
t-test	WTW	[TBT]	Sex	t = -2.72	16	<0.02*	Females > Males
		[DBT]		t = 0.383	16	>0.50	
		[MBT]		t = -2.065	16	>0.05	