Supplementary file 6. Results from Kruskal-Wallis tests and linear models testing differences in leaf morphospace among subspecies of *Euphorbia tithymaloides*.

Supplementary file 6.1. Differences among subspecies of Caribbean *Euphorbia tithymaloides* are revealed by Kruskal-Wallis tests, both taking all seven subspecies into account, of focusing on the main three subspecies of this system (*angustifolia, padifolia, tithymaloides*).

Variable	Seven subspecies				Three subspecies			
	d.f.	χ^2	Pr(>F)		d.f.	χ^2	Pr(>F)	
Morphology PC 1	6	82.83	9.27E-16	***	2	73.40	1.15E-16	***
Morphology PC 2	6	123.31	3.28E-24	***	2	118.27	2.08E-26	***
Morphology PC 3	6	31.49	2.05E-05	***	2	27.26	1.20E-06	***

Supplementary file 6.2. Linear models (X ~ subspecies; d.f. 2 in 226) are consistent with Kruskal-Wallis tests and provide evidence that a significant proportion of the variation in leaf morphology is captured by taxonomy.

Variable	Estimate *padifolia*	Estimate *tithymaloides*	p value *padifolia*		p value *tithymaloides*		Adjusted R^2	F
Morphology PC 1	4.1292	2.3752	7.78E-20	***	7.07E-12	***	0.306	51.20
Morphology PC 2	-1.3386	-2.5888	4.89E-11	***	1.67E-41	***	0.567	150.13
Morphology PC 3	-0.9255	-0.1811	2.49E-06	***	0.23712	***	0.105	14.33