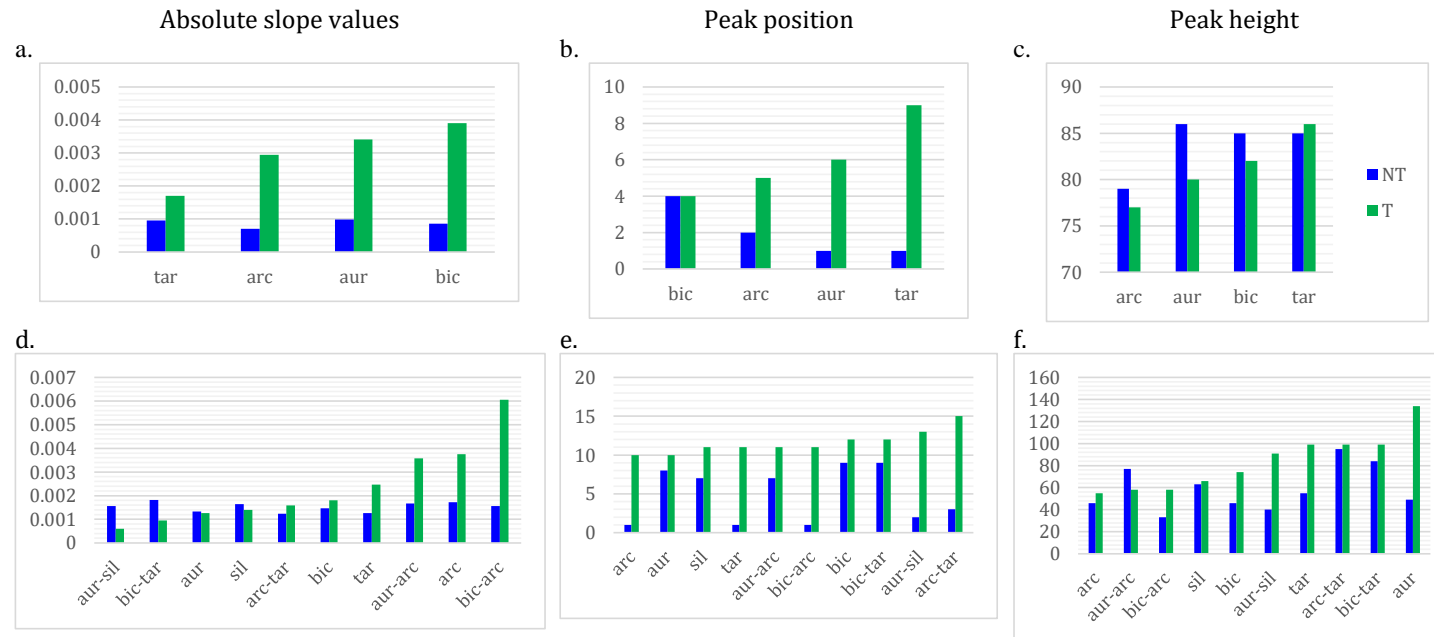Figure S1. Absolute slope values (a and d), peak position (b and e) and peak height (c and f) for simple (top row) and complex communities (bottom row). Green bars are for toxic (T) forms while blue bars are for non-toxic (NT) morphs. Morphs were order in accordance to slope, position and peak height magnitude when defended.

Table S1. Linear mixed model (LMM) results for attack between each stamped palatable butterfly and the most similar defended morph while learning on the simple community and for perceptual PCA. The best fitting model includes score and sporting yellow or not.

	Estimate	Std. Error	t
Intercept	2.217	0.206	10.737
Score	0.016	0.004	3.606
Yellow in morph	-0.580	0.204	-2.837

Table S2. Linear mixed model (LMM) results for attack between each stamped palatable butterfly and the most similar defended morph while learning on the simple community and for binary PCA. The best fitting model includes score and presence of yellow in morph as explanatory variables.

	Estimate	Std. Error	t
Intercept	2.760	0.132	20.825
Yellow in morph	-0.709	0.210	-3.369

Table S3. Linear mixed model (LMM) results for attack rate on defended morphs while learning on the simple community and for binary and perceptual PCA. No effect of explanatory variables was found

	Estimate	Std. Error	t
Intercept	0.176	0.005	33.95

Table S4. Linear mixed model (LMM) results for attack between each stamped palatable butterfly and the most similar defended morph while learning on the complex community and for perceptual PCA. The best fitting model only includes score as explanatory variable.

	Estimate	Std. Error	t
Intercept	0.81	0.042	19.09
Score	0.004	0.001	4.49

Table S5. Linear mixed model (LMM) results for attack between each stamped palatable butterfly and the most similar defended morph while learning on the complex community and for binary PCA. The best fitting model includes score and distance to closest defended form as explanatory variables.

	Estimate	Std. Error	t
Intercept	0.2321473	0.1554883	1.493
Dist.closestToxnQC	0.0022769	0.0005952	3.826
Score	0.0041217	0.0009186	4.487

Table S6. Linear mixed model (LMM) results for attack rate on defended morphs while learning on the complex community and for binary and perceptual PCA. No effect of explanatory variables was found

	Estimate	Std. Error	t
Intercept	0.131	0.003	41.59

Table S7. Linear mixed model (LMM) results for attack between each stamped palatable butterfly and the most similar defended morph after learning on the simple community and for perceptual PCA. The best fitting model includes score and ID of closest defended form (CT) as explanatory variables.

	Estimate	Std. Error	t
Intercept	2.320	1.783	1.301
Score	0.059	0.020	2.967
CT arc<aur&bic	0.448	0.428	1.048
CT aur>bic	-0.431	1.042	-0.414

Table S8. Linear mixed model (LMM) results for attack between each stamped palatable butterfly and the most similar defended morph after learning on the simple community and for binary PCA. The best fitting model includes score and ID of closest defended form (CT) as explanatory variables.

	Estimate	Std. Error	t
Intercept	0.523	1.646	0.318
Score	0.073	0.018	4.058
CT arc<aur&bic	0.366	0.386	0.95
CT aur>bic	-0.883	0.874	-1.011

Table S9. Linear mixed model (LMM) results for attack rate on defended morphs after learning on the simple community and for both perceptual and binary PCA.

	Estimate	Std. Error	t
Intercept	0.4527257	0.0304706	14.858
Score	-0.0031805	0.0003562	-8.929

Table S10. Linear mixed model (LMM) results for attack between each stamped palatable butterfly and the most similar defended morph after learning on the complex community and for perceptual PCA. The best fitting model only includes score as explanatory variable.

	Estimate	Std. Error	t
Intercept	-0.472734	0.173746	-2.721
Score	0.029279	0.002645	11.071

Table S11. Linear mixed model (LMM) results for attack between each stamped palatable butterfly and the most similar defended morph after learning on the complex community and for binary PCA. The best fitting model only includes score as explanatory variable.

	Estimate	Std. Error	t
Intercept	-0.392	0.152	-2.573
Score	0.0275	0.002	11.991

Table S12. Linear mixed model (LMM) results for attack rate on defended morphs after learning on the complex community and for both perceptual and binary PCA. The best fitting model only includes score as explanatory variable

	Estimate	Std. Error	t
Intercept	0.409969	0.033269	12.323
Score	-0.003556	0.000552	-6.442