Family	n	Best model based on AIC			β_{ms}	Std. Error of β_{ms}	df of β_{ms}	P-value
Asteraceae	112	$Y \sim \beta_{ms}X_{ms}$	$+ \beta_{PC2}X_{PC2}$	$+ Random\ effect$	-0.323	0.124	99.550	0.011
Brassicaceae	56	$Y \sim \beta_{ms}X_{ms}$	$+ \beta_{PC2}X_{PC2}$	$+ Random\ effect$	-0.912	0.290	54.302	0.003
Solanaceae	101	$Y \sim \beta_{ms}X_{ms} + \beta_{PC1}X_{PC1}$		$+ Random\ effect$	-0.262	0.106	91.543	0.015

ms: mating system (self-compatible [1] and self-incompatible [0]). PC1-2: Principal components of climate variables.