

Family	$n$	Best model based on AIC			$\beta_{ms}$	Std. Error of $\beta_{ms}$	df of $\beta_{ms}$	$Pr$
Asteraceae	113	$Y \sim \beta_{ms} X_{ms}$	$+ \beta_{PC2} X_{PC2}$	$+ Random\ effect$	-0.312	0.124	100.556	0.013
Brassicaceae	57	$Y \sim \beta_{ms} X_{ms}$	$+ \beta_{PC2} X_{PC2}$	$+ Random\ effect$	-0.905	0.285	55.143	0.002
Solanaceae	198	$Y \sim \beta_{ms} X_{ms}$	$+ \beta_{PC1} X_{PC1}$	$+ \beta_{PC2} X_{PC2} + Random\ effect$	-0.148	0.098	185.530	0.134

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