Family	n	Best model based on AIC			β_{PC1}	Pr_{PC1}	β_{PC2}	Pr_{PC2}
Asteraceae	112	$Y \sim \beta_{ms}X_{ms}$	$+ \beta_{PC2}X_{PC2}$	$+ \textit{Random effect}$	--	--	0.109	0.082
Brassicaceae	56	$Y \sim \beta_{ms}X_{ms}$	$+ \beta_{PC2}X_{PC2}$	$+ \textit{Random effect}$	--	--	0.327	0.030
Solanaceae	101	$Y \sim \beta_{ms}X_{ms} + \beta_{PC1}X_{PC1}$		$+ \textit{Random effect}$	-0.177	9.36E-07	--	--

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