

ESM3

Results of all two-way and three-way (with family effect) ANOVAs for π_s . No interaction was significant. Therefore interaction terms were removed from the analyses. The R^2 is given for the couple of factors.

Factors		<i>n</i>	Without family effects			With family effects		
			R^2	P_{value}		R^2	P_{value}	
				Factor 1	Factor 2		Factor 1	Factor 2
Mating system	Life form	105	0.242	< 0.0001	0.001	0.091	0.002	0.300
	Pollination	104	0.132	0.0002	0.511	0.067	0.004	0.948
	Dispersal	104	0.200	< 0.0001	0.040	0.100	0.005	0.514
	Cultivated status	105	0.133	0.0001	0.827	0.696	0.003	0.931
	Rarity status	104	0.192	0.0002	0.025	0.118	0.002	0.050
Life form	Pollination	128	0.057	0.031	0.819	0.011	0.596	0.733
	Dispersal	116	0.072	0.084	0.723	0.022	0.647	0.477
	Cultivated status	131	0.061	0.018	0.331	0.011	0.580	0.827
	Rarity status	124	0.097	0.035	0.024	0.055	0.609	0.009
Pollination	Dispersal	118	0.034	0.551	0.299	0.015	0.651	0.380
	Cultivated status	133	0.001	0.754	0.941	0.001	0.699	0.766
	Rarity status	124	0.044	0.737	0.023	0.046	0.678	0.009
Dispersal	Cultivated status	119	0.031	0.316	0.943	0.013	0.395	0.954
	Rarity status	117	0.071	0.448	0.045	0.055	0.706	0.031
Cultivated status	Rarity status	128	0.044	0.614	0.018	0.044	0.667	0.008