

ESM4

Results of the full ANOVAs (6 factors without interaction) with or without family effects for nuclear gene total nucleotide diversity (π_{total}), silent site nucleotide diversity (π_{silent}), and haplotype diversity. For clarity, results are split by factors than by the three analysed variables. Least squares means are given for the ANOVA that includes the plant family effects. $n = 103$.

Factor		Without family effects			With family effects			Least Squares Estimates			
		<i>F</i>	<i>p</i> _{value}	<i>R</i> ²	<i>F</i>	<i>p</i> _{value}	<i>R</i> ²				
Mating system	π_{total}	23.28	<0.0001	0.176	8.70	0.004	0.070	outcrossing		selfing	
	π_{silent}	19.54	<0.0001	0.148	6.84	0.011	0.055	0.010		0.005	
	Haplotype diversity	18.72	<0.0001	0.137	6.99	0.010	0.054	0.013		0.006	
Life form	π_{total}	3.58	0.032	0.027	0.18	0.836	0.003	Annual	Perrenial herb	Woody perrenial	
	π_{silent}	5.43	0.006	0.082	0.82	0.446	0.013	0.011		0.010	
	Haplotype diversity	0.63	0.534	0.009	0.25	0.78	0.004	0.658		0.664	
Pollination	π_{total}	0.01	0.931	0.000	0.21	0.648	0.002	Insects		Wind	
	π_{silent}	0.28	0.5953	0.002	0.03	0.87	0.000	0.010		0.006	
	Haplotype diversity	2.73	0.102	0.020	0.06	0.806	0.000	0.010		0.009	
Dispersal	π_{total}	0.97	0.137	0.014	0.66	0.579	0.016	Gravity	Wind	Attached	Ingested
	π_{silent}	1.21	0.309	0.028	0.53	0.663	0.013	0.009		0.009	
	Haplotype diversity	1.14	0.336	0.025	0.68	0.566	0.016	0.010		0.006	
Cultivated status	π_{total}	0.01	0.921	0.000	0.01	0.923	0.000	Wild	Cultivated		
	π_{silent}	0.66	0.4178	0.005	0.42	0.518	0.003	0.008		0.008	
	Haplotype diversity	0.42	0.519	0.003	0.38	0.537	0.003	0.010		0.009	
Rarity status	π_{total}	1.89	0.328	0.007	2.87	0.095	0.023	Wild		Cultivated	
	π_{silent}	2.55	0.113	0.019	4.70	0.034	0.038	0.008		0.006	
	Haplotype diversity	5.39	0.022	0.039	6.73	0.012	0.052	0.014		0.006	