Supporting Information for: Ecological drivers of flower-leaf sequences: aridity and pollination success select for flowering-first in The American Plums

Tables

	species	n.FLS	n.petal	n.pdsi
1	alleghaniensis	17	39	114
2	americana	95	271	200
3	angustifolia	77	238	200
4	gracilis	85	289	200
5	hortulana	106	254	200
6	maritima	75	255	200
7	mexicana	64	284	200
8	munsoniana	117	279	200
9	nigra	118	230	200
10	rivularis	111	225	200
11	subcordata	46	71	30
12	texana	19	38	39
13	umbellata	70	284	200

Table S1: Sample sizes of each for each species used in this study

	species	index	index.nodoy
1	mexicana	0.85	0.90
2	umbellata	0.82	0.83
3	angustifolia	0.76	0.77
4	maritima	0.68	0.76
5	gracilis	0.64	0.68
6	americana	0.62	0.55
7	munsoniana	0.60	0.67
8	alleghaniensis	0.59	0.65
9	nigra	0.55	0.62
10	hortulana	0.51	0.52
11	texana	0.51	0.54
12	rivularis	0.44	0.53
13	subcordata	0.16	0.18

	Estimate	Est.Error	Q5.5	Q25	Q75	Q94.5
Intercept	0.34	0.23	-0.02	0.20	0.48	0.70
phi_Intercept	1.92	0.42	1.22	1.65	2.21	2.55
pdsi.z	-0.47	0.30	-0.96	-0.66	-0.28	0.01
petal.z	-0.14	0.24	-0.54	-0.29	0.01	0.23
pdsi.z:petal.z	-0.14	0.49	-0.91	-0.46	0.16	0.65

	Estimate	Est.Error	Q5.5	Q25	Q75	Q94.5
Intercept	0.49	0.25	0.09	0.33	0.65	0.88
phi_Intercept	1.77	0.41	1.09	1.50	2.06	2.39
pdsi.z	-0.43	0.32	-0.92	-0.63	-0.22	0.07
petal.z	-0.14	0.27	-0.56	-0.30	0.03	0.27
pdsi.z:petal.z	-0.16	0.54	-1.01	-0.50	0.17	0.69

Figures

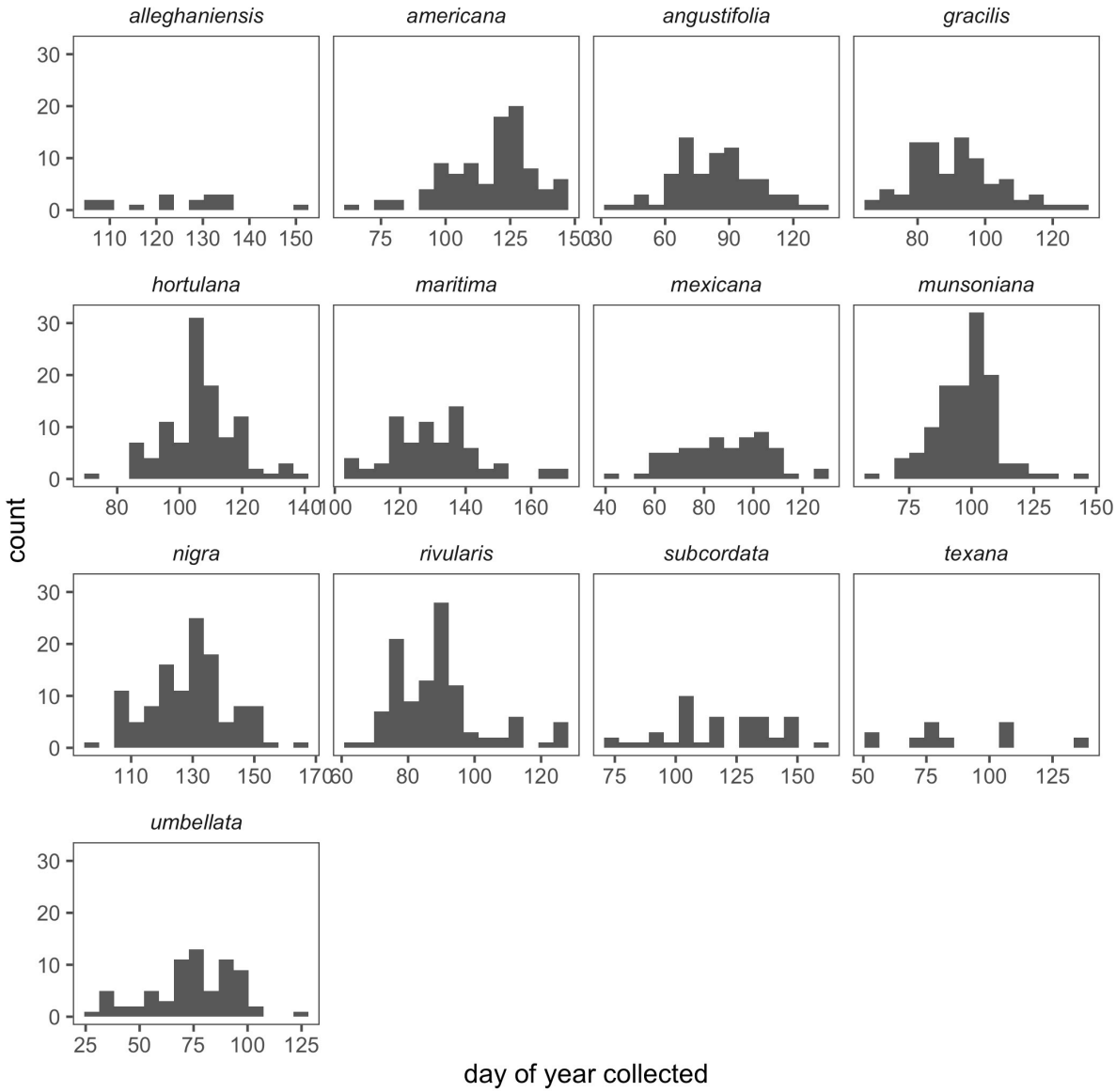

Figure S1: Sampling is uneven

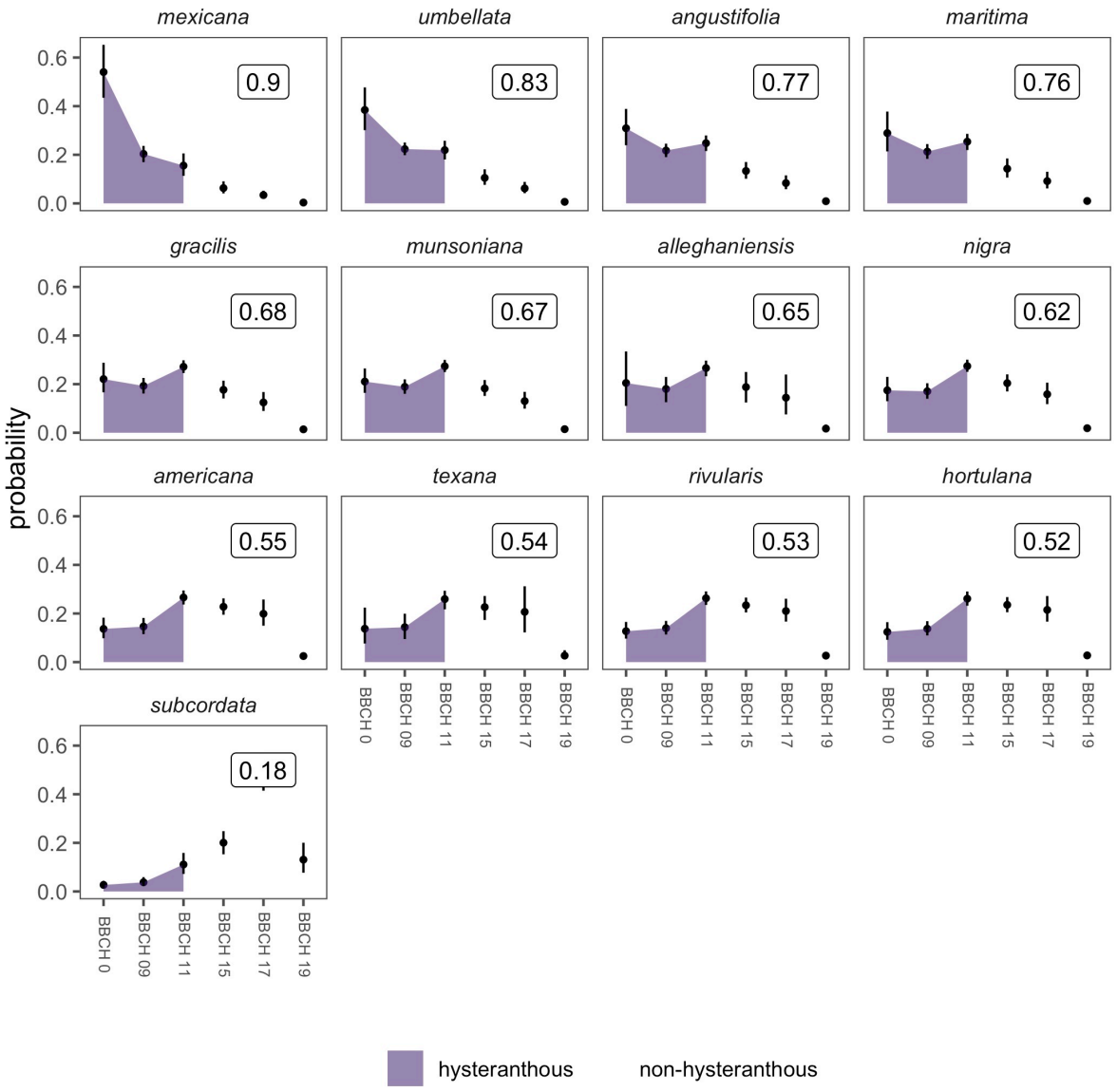

Figure S2: This the model predictions without doy

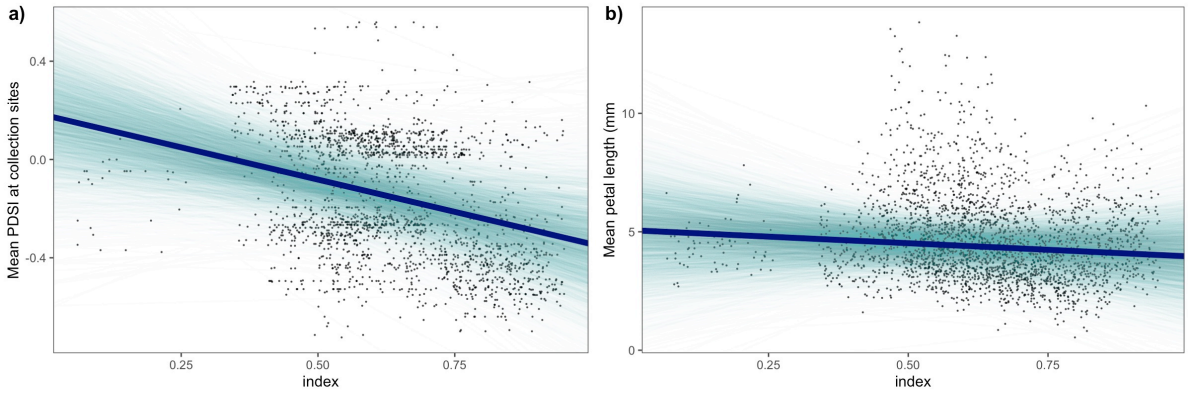

Figure S3: This is the seperate model