

Supplementary data for Portlas (2017), "Variation in floret size of cultivated sunflowers influences pollinator visitation"

Table S1. Floret length of 100 public maintainer (HA) lines measured in 2016.

Inbred line	Floret length (mm)		Dunnett's best subset in group†	Assessed in 2017‡
	Mean	CV (%)*		
HA 441	7.17	1.72	Control	Yes
HA 341	6.77	1.25	≈ to Control	.
HA 425	7.10	4.17	≈ to Control	Yes
HA 253	7.13	4.27	≈ to Control	.
HA 207	7.15	3.43	≈ to Control	Yes
HA 402	7.17	3.30	≈ to Control	.
HA 384	7.17	2.93	≈ to Control	Yes
HA 393	7.18	2.38	≈ to Control	Yes
HA 379	7.27	2.26	≈ to Control	.
HA 852	7.31	1.62	≈ to Control	Yes
HA 99	7.33	1.18	≈ to Control	Yes
HA 435	7.33	1.31	≈ to Control	Yes
HA 291	7.34	2.26	≈ to Control	Yes
HA 343	7.36	2.90	≈ to Control	Yes
HA 243	7.36	1.27	≈ to Control	.
HA 383	7.37	1.88	≈ to Control	Yes
HA 403	7.39	3.74	≈ to Control	Yes
HA 224	7.41	2.72	≈ to Control	.
HA 302	7.45	1.71	≈ to Control	.
HA 405	7.46	1.77	≈ to Control	Yes
HA 394	7.47	0.95	≈ to Control	Yes
HA 442	7.52	1.70	≈ to Control	Yes

HA 446	7.52	4.80	≈ to Control	.
HA 406	7.52	3.79	≈ to Control	.
HA 124	7.53	1.51	≈ to Control	.
HA 456	7.54	2.75	≈ to Control	.
HA 353	7.54	2.66	≈ to Control	.
HA 853	7.54	3.26	≈ to Control	.
HA 385	7.55	2.39	≈ to Control	.
HA 89	7.56	3.26	≈ to Control	.
HA 292	7.56	0.88	≈ to Control	.
HA 351	7.58	4.84	≈ to Control	.
HA 1	7.59	1.15	≈ to Control	.
HA 431	7.62	2.18	≈ to Control	.
HA 65	7.65	1.35		.
HA 378	7.65	2.62		.
HA 301	7.67	2.18		.
HA 236	7.69	1.31		.
HA 133	7.69	1.84		.
HA 452	7.70	1.66		.
HA 113	7.71	1.40		.
HA 423	7.71	0.70		.
HA 429	7.71	3.46		.
HA 422	7.75	0.80		.
HA 432	7.76	3.92		.
HA 434	7.76	3.98		.
HA 433	7.80	1.26		.
HA 458	7.80	4.00		.
HA 248	7.81	3.45		.
HA 116	7.81	2.47		.
HA 421	7.81	1.78		.

HA 413	7.81	1.17		.
HA 15	7.83	0.93		.
HA 318	7.88	1.62		.
HA 61	7.90	2.59		.
HA 372	7.91	2.48		.
HA 390	7.91	2.96		.
HA 234	7.95	3.61		.
HA 305	7.96	5.05		.
HA 380	7.96	2.53		.
HA 410	7.97	1.12		.
HA 285	7.99	2.47		.
HA 304	8.00	2.19		.
HA 430	8.03	1.77		.
HA 259	8.04	2.97		.
HA 350	8.06	1.95		.
HA 228	8.11	2.26		.
HA 851	8.11	2.67		.
HA 457	8.13	2.25		.
HA 352	8.15	4.87		.
HA 308	8.16	2.26		.
HA 320	8.18	1.19		.
HA 407	8.19	3.49		.
HA 850	8.19	2.40		.
HA 404	8.19	2.26		.
HA 300	8.20	3.65		.
HA 821	8.31	1.69		.
HA 290	8.31	2.91		Yes
HA 8	8.34	2.95		.
HA 822	8.34	0.94		Yes

HA 277	8.37	1.97		Yes
HA 349	8.42	2.28		Yes
HA 112	8.46	2.42		.
HA 314	8.46	3.60		.
HA 370	8.49	2.38		Yes
HA 249	8.52	1.43		Yes
HA 371	8.53	1.12		Yes
HA 60	8.57	2.56		Yes
HA 313	8.59	3.77		Yes
HA 287	8.66	3.93		Yes
HA 312	8.67	4.08		Yes
HA 321	8.68	6.95		.
HA 307	8.78	1.43		.
HA 250	8.97	1.76		.
HA 323	9.00	1.61		Yes
HA 316	9.00	2.79		Yes
HA 289	9.05	5.50		Yes
HA 319	9.06	1.78		.
HA 306	9.20	3.23		.
HA 286	9.90	1.84		Yes

* CV based on variation between five plants (replicates), with five florets (subsamples) measured from each plant.

† Dunnett's test used to determine a set of entries with values similar to HA 441 (Control), the entry with shortest corollas in Mallinger and Prasifka (2017).

‡ Notes entries used to test for environmental effects on floret size and relationship of floret size to bee visitation in 2017.

Fig. S2. Regression of corolla depth (measured by hand from scanned images) onto total floret length for n=30 inbred lines sampled in 2016.

