

Table S3 Total number of lines (n) and simple matching coefficient (SM) between parental lines of 10 dent (F353 x founder) and 11 flint (UH007 x founder) families. Mean (\bar{x}), genetic variance component (σ_g^2), genotype by environment variance component (σ_{ge}^2), and heritability (h^2 ; \pm standard error) of dent and flint families estimated for days to silking (DtSILK).

Founder	n	SM	\bar{x}	σ_g^2	σ_{ge}^2	h^2
B73	64	0.608	85.59 \pm 0.20	1.57 \pm 0.43	1.66 \pm 0.39	0.70 \pm 0.07
D06	99	0.642	82.85 \pm 0.18	2.72 \pm 0.47	0.95 \pm 0.24	0.85 \pm 0.03
D09	100	0.668	81.93 \pm 0.21	3.74 \pm 0.61	0	0.89 \pm 0.02
EC169	66	0.617	83.02 \pm 0.14	0.95 \pm 0.24	0.44 \pm 0.23	0.75 \pm 0.06
F252	96	0.671	81.41 \pm 0.18	2.38 \pm 0.44	0.87 \pm 0.32	0.80 \pm 0.04
F618	104	0.645	85.57 \pm 0.19	2.91 \pm 0.52	0.97 \pm 0.35	0.82 \pm 0.03
Mo17	53	0.627	87.3 \pm 0.33	4.93 \pm 1.11	1.09 \pm 0.43	0.89 \pm 0.03
UH250	94	0.634	83.54 \pm 0.18	2.71 \pm 0.48	1.05 \pm 0.24	0.85 \pm 0.03
UH304	81	0.765	82.70 \pm 0.16	1.59 \pm 0.33	0.83 \pm 0.24	0.79 \pm 0.04
W117	84	0.625	82.30 \pm 0.23	3.59 \pm 0.68	0.92 \pm 0.40	0.85 \pm 0.03
D152	72	0.749	82.88 \pm 0.15	1.23 \pm 0.26	0.67 \pm 0.20	0.81 \pm 0.04
EC49A	29	0.656	85.89 \pm 0.30	2.21 \pm 0.69	0.60 \pm 0.38	0.87 \pm 0.04
EP44	17	0.615	88.41 \pm 0.52	4.14 \pm 1.66	1.93 \pm 0.57	0.89 \pm 0.04
EZ5	26	0.613	88.05 \pm 0.36	2.92 \pm 0.97	1.69 \pm 0.43	0.86 \pm 0.04
F03802	129	0.753	84.31 \pm 0.14	2.12 \pm 0.30	0.46 \pm 0.15	0.89 \pm 0.02
F2	54	0.723	82.25 \pm 0.18	1.39 \pm 0.34	1.38 \pm 0.21	0.81 \pm 0.04
F283	133	0.716	84.67 \pm 0.23	6.46 \pm 0.84	0.93 \pm 0.17	0.95 \pm 0.01
F64	64	0.621	88.41 \pm 0.27	3.91 \pm 0.81	2.00 \pm 0.36	0.87 \pm 0.03
UH006	94	0.791	83.16 \pm 0.17	2.46 \pm 0.41	0.83 \pm 0.17	0.89 \pm 0.02
UH009	98	0.815	82.50 \pm 0.12	1.07 \pm 0.20	0.96 \pm 0.15	0.79 \pm 0.04
DK105	95	0.738	84.19 \pm 0.26	5.86 \pm 0.91	0.96 \pm 0.19	0.95 \pm 0.01