

**Table S2.** Tolerance indices of the C29 (YP 2A) SCRDH lines and their parents.

Traits	Parents		SCRDH lines		
	S29	YP	Average $\pm$ SD	Limits	max/min
DT	107	109	115 $\pm$ 10	91-141	1.6
DF	91	101	103 $\pm$ 4	91-112	1.2
DWR	114	107	101 $\pm$ 7	84-117	1.4
StL	100	102	94 $\pm$ 4	86-104	1.2
PL	96	101	95 $\pm$ 6	86-131	1.5
NT	82	90	92 $\pm$ 19	77-157	2.0
SL	104	103	100 $\pm$ 6	86-115	1.3
SpkN	109	110	102 $\pm$ 5	85-114	1.3
GNmain	99	114	98 $\pm$ 11	72-141	2.0
GWmain	83	84	70 $\pm$ 11	50-115	2.3
Fert	91	104	97 $\pm$ 11	75-135	1.8
GNsecond	68	75	55 $\pm$ 13	25-105	4.2
GWsecond	59	51	36 $\pm$ 10	17-71	4.2
GNtotal	78	88	64 $\pm$ 12	39-114	2.9
GWtotal	69	64	44 $\pm$ 10	26-78	3.0
TGW	85	73	72 $\pm$ 11	52-103	2.0
SW	52	57	62 $\pm$ 8	46-88	1.9
E	68	144	157 $\pm$ 133	18-710	39.4
Gs	66	143	164 $\pm$ 149	16-795	49.7
A	84	115	142 $\pm$ 90	44-566	12.9
WUE	123	69	113 $\pm$ 51	40-306	7.7
F <sub>0</sub>	84	98	82 $\pm$ 16	47-121	2.6
Fv/Fm	103	102	108 $\pm$ 11	92-153	1.7
Y(II)	102	97	110 $\pm$ 18	82-208	2.5
ETR	102	97	110 $\pm$ 18	82-211	2.6
NPQ	113	84	108 $\pm$ 49	35-244	7.0
ChlA	111	99	123 $\pm$ 29	70-232	3.3
ChlB	105	101	118 $\pm$ 25	73-194	2.7
ChlA+B	109	100	121 $\pm$ 26	71-208	2.9
Car	107	95	110 $\pm$ 24	65-184	2.8
ChlA+B/Car	107	107	111 $\pm$ 15	84-144	1.7
SOD	101	111	106 $\pm$ 16	73-152	2.1
APX	107	77	110-44	40-324	8.1
DHAR	49	49	125 $\pm$ 58	37-354	9.6
GR	150	185	131 $\pm$ 60	15-346	23.1
CAT	88	100	107 $\pm$ 44	38-257	6.6
LOX	131	153	164 $\pm$ 93	30-457	15.2
GC	99	93	108 $\pm$ 8	83-131	1.6

Abbreviations as in Table S1.