

Supplemental Table 4: Overview of the results of the segregation analysis on kanamycin and hygromycin of T3 seeds, collected from T2 plants containing only a recombined allele (PCR1+ and PCR2-; Fig. 5) in module 1.

T3 seeds	Selection on Kanamycin				Selection on Hygromycin		
	R	S	K _{R/S} ¹	χ ² P-value (fits ratio)	R	S	H _{R/S} ¹
AP1-7-4/K2	75	28	2.7	0.61 (3:1)	0	121	0
AP1-7-4/K3	78	31	2.5	0.43 (3:1)	0	112	0
AP1-7-4/K4	82	40	2.1	0.05 (3:1)	0	121	0
AP1-7-4/K5	80	31	2.6	0.48 (3:1)	0	135	0
AP1-7-4/K6	97	38	2.6	0.40 (3:1)	0	140	0
AP1-7-4/K8	71	19	3.7	0.40 (3:1)	0	89	0
AP1-7-4/K9	97	39	2.5	0.32 (3:1)	0	136	0
AP1-7-4/K14	98	36	2.7	0.62 (3:1)	0	138	0
AP1-7-4/K16	93	37	2.5	0.36 (3:1)	0	122	0
AP1-7-4/K17	83	7	11.86		0	107	0
AP1-14-4/K1	85	0			0	106	0
AP1-14-4/K5	73	31	2.35	0.26 (3:1)	0	63	0
AP1-14-4/K6	80	33	2.42	0.30 (3:1)	0	118	0
AP1-14-4/K7	73	33	2.21	0.14 (3:1)	0	71	0
AP1-14-4/K9	124	0			0	120	0
AP1-14-4/K10	65	31	2.1	0.1 (3:1)	0	118	0
AP1-14-4/K11	69	23	3	1 (3:1)	0	116	0
AP1-14-4/K12	96	27	3.6	0.43 (3:1)	0	107	0
AP1-14-4/K14	78	33	2.33	0.25 (3:1)	0	124	0
AP1-8-12/K1	122	0			0	115	0
AP1-8-12/K2	91	32	2.84	0.80 (3:1)	0	129	0
AP1-8-12/K4	91	25	3.64	0.39 (3:1)	0	111	0
AP1-8-12/K5	94	41	2.29	0.15 (3:1)	0	133	0
AP1-8-12/K6	77	25	3.08	0.91 (3:1)	0	114	0
AP1-8-12/K7	80	0			0	85	0
AP1-8-12/K8	86	21	4.01	0.20 (3:1)	0	108	0
AP1-8-12/K9	103	0			0	136	0
AP1-8-12/K10	209	61	3.4	0.36 (3:1)	0	139	0
AP1-8-12/K12	92	22	4.18	0.16 (3:1)	0	123	0

AP1-8-12/K13	90	31	2.9	0.87 (3:1)	0	98	0
AP1-8-12/K15	93	31	3	1 (3:1)	0	133	0
AP1-10-4/K1	124	0			0	132	0
AP1-10-4/K2	110	0			0	108	0
AP1-10-4/K5	88	35	2.5	0.38 (3:1)	0	135	0
AP1-10-4/K7	72	25	2.88	0.86 (3:1)	0	121	0
AP1-10-4/K9	89	28	3.18	0.79 (3:1)	0	130	0
AP1-10-4/X	111	0			0	112	0
AP1-10-4/Y	97	35	2.77	0.69 (3:1)	0	122	0

¹ K_{R/S}: ratio resistant to sensitive plants on kanamycin.

² H_{R/S}: ratio resistant to sensitive plants on hygromycin.