

Table S4. Transgenic lines used to analyze function of HAP2:YFP variants.

Construct ID	HAP2 Variant	Lines (n)	Crosses (n)	Seedlings / Cross (avg.)	Progeny (n)
pgl294	AtHAP2	8	39	41.9	1635
pgl1070	At $\Delta\alpha$ F	6	28	29.5	825
pgl1165	I171A	5	33	43.9	1448
pgl1061	F172A	7	44	34.4	1513
pgl1057	I176A	8	46	41.3	1900
pgl1315	IFI>AAA	6	26	24.4	634
pgl1371	R163A	4	24	30.0	721
pgl1510	D173P	8	47	46.0	2164
pgl1374	D173A	7	39	38.6	1507
pgl1056	K179A	7	33	36.2	1195
pgl1151	O α F	9	46	34.6	1592
	<i>hap2-2/HAP2</i>	n/a	39	31.9	1244
<p>Total numbers (n) of independent transgenic lines (Lines), cross-pollinations (Crosses), progeny tested (Progeny), and the average number of seedlings analyzed for each cross pollination (Seedlings/Cross) are given for each construct. ID, construct identification number</p>					