

**Supplemental Table 3:** Overview of the results of the segregation analysis on kanamycin and hygromycin of T2 seeds, collected from primary transformants (T1) selected on hygromycin, in module 1 (promoter fragment of the *APETALA1* gene from *Arabidopsis thaliana*).

T2 seeds	Selection on Kanamycin				Selection on Hygromycin		
	R	S	$K_{R/S}$ <sup>1</sup>	$\chi^2$ P-value (fits ratio)	R	S	$H_{R/S}$ <sup>2</sup>
AP1-0-11	100	26	<b>3.84</b>	0.26 (3:1)	182	72	<b>2.53</b>
AP1-7-1	90	31	<b>2.9</b>	0.93 (3:1)	130	120	<b>1.08</b>
AP1-7-4	89	31	<b>2.87</b>	0.83 (3:1)	54	203	<b>0.27</b>
AP1-7-7	96	37	<b>2.6</b>	0.45 (3:1)	184	78	<b>2.36</b>
AP1-8-12	93	29	<b>3.2</b>	0.75 (3:1)	48	186	<b>0.26</b>
AP1-9-2	91	36	<b>2.5</b>	0.38 (3:1)	161	89	<b>1.81</b>
AP1-10-4	97	34	<b>2.85</b>	0.80 (3:1)	54	212	<b>0.25</b>
AP1-12-7	91	35	<b>2.6</b>	0.47 (3:1)	157	94	<b>1.67</b>
AP1-14-2	75	28	<b>2.7</b>	0.61 (3:1)	150	71	<b>2.1</b>
AP1-14-4	100	28	<b>3.6</b>	0.50 (3:1)	38	223	<b>0.17</b>
AP1-14-5	83	29	<b>2.86</b>	0.83 (3:1)	119	113	<b>1.05</b>
AP1-15-6	85	28	<b>3.03</b>	0.86 (3:1)	138	109	<b>1.27</b>

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

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