

Table S1. Fertility of plants expressing *lis* (*RNAi*) under various cell-specific promoters

A				
Genotype	Fertility			
<i>DD45::lis</i> (<i>RNAi</i>)/-	Fertile seeds (%)	Aborted seeds (%)	Sterile ovules (%)	n
WT	96.2	0.8	3.1	261
T2-1	96.2	0.5	3.4	208
T2-2	93.3	1.9	4.8	209
T2-3	60.1	35.2	4.6	281
T2-4	85.5	6.3	8.3	303
T2-5	96.3	0.5	3.2	217
T2-6	68.3	26.6	5.2	249
T2-7	73.0	16.3	10.7	337
T2-8	97.8	0.0	2.3	230
T2-9	57.6	22.1	20.2	321
T2-10	96.5	0.4	3.0	231
T2-11	94.8	0.5	4.7	212
T2-12	96.0	0.0	4.0	224
T2-13	93.8	1.9	4.3	209
T2-14	93.3	2.5	4.2	240
T2-15	97.4	0.4	2.2	227
T2-16	95.5	0.5	4.0	224
T2-17	64.5	14.6	20.9	349
T2-18	74.4	21.1	4.5	246
T2-19	94.0	1.4	4.7	215

B				
Genotype	Fertility			
<i>MEA::lis</i> (<i>RNAi</i>)/-	Fertile seeds (%)	Aborted seeds (%)	Sterile ovules (%)	n
WT	96.1	0.9	3.0	230
1	92.5	0.6	6.9	160
2	86.9	4.9	8.3	206
3	86.3	5.9	7.8	205
4	92.0	2.3	5.7	174
5	92.1	0.5	7.4	189
6	92.3	0.5	7.1	196
7	55.2	0.0	44.8	203
8	91.6	3.9	4.5	178
9	79.5	8.7	11.8	195
10	88.1	5.2	6.7	193
11	64.9	27.9	7.2	222
12	93.8	0.5	5.7	209
13	52.9	0.5	46.7	210
14	92.2	0.0	7.8	166
15	86.0	8.1	5.9	221