

**Table S2. Fertility of plants expressing *lis* (RNAi) under various cell-specific promoters**

A				
Genotype	Fertility			
<i>DD2::lis</i> (RNAi)-	Fertile seeds (%)	Aborted seeds (%)	Sterile ovules (%)	<i>n</i>
WT	97.2	0.50	2.3	213
A	58.8	38.5	2.7	182
B	67.0	31.7	1.4	218
C	61.0	35.4	3.6	195
D	57.6	39.3	3.1	191
E	93.4	2.0	4.5	198
F	49.2	48.6	2.2	185
G	50.0	47.2	2.8	178
H	84.6	12.8	2.6	195
I	98.0	0.0	2.0	198
J	61.8	35.3	2.9	207
K	81.2	14.1	4.7	170
L	33.2	64.8	2.0	196
M	60.1	36.3	3.6	193
N	69.6	26.4	4.0	250
O	88.6	8.7	2.7	184
P	96.0	1.5	2.5	200
Q	83.0	15.5	1.5	194
R	82.5	13.9	3.6	194
B				
Genotype	Fertility			
<i>HSFa2::lis</i> (RNAi)-	Fertile seeds (%)	Aborted seeds (%)	Sterile ovules (%)	<i>n</i>
WT	96.0	0.5	3.5	202
1	95.2	1.0	3.8	209
2	94.3	1.4	4.3	211
3	68.1	26.6	5.2	229
4	92.5	2.3	5.1	214
5	96.6	1.4	1.9	207
6	95.9	0.5	3.6	194
7	94.6	1.0	4.4	203
8	95.6	1.0	3.5	206
9	95.1	1.0	3.9	204
10	98.1	0.0	1.9	208
11	86.3	11.8	1.9	212
12	97.4	1.0	1.5	195
13	73.6	20.7	5.8	208
14	97.0	0.5	2.5	197
15	98.0	0.0	2.1	194
16	98.0	0.0	2.0	200
17	95.6	2.4	2.0	205
18	97.0	0.5	3.0	203
19	96.2	1.1	2.7	186
20	96.5	1.0	2.5	198