

Table S6.2 | Reciprocal backcrosses show that the reduced fertility in *ec1.1/4/5; EC1p:RNAi(EC1.2/3)* is caused by the female but not by the male side.

Seed development was investigated after reciprocal crossing of individual *ec1-RNAi* lines homozygous for *ec1.1/4/5* but heterozygous for *EC1.2/3(RNAi)* (referred to as *ec1-RNAi_X/+*) with wild type (*EC1/EC1*). Parental genotypes, percentages of developed and undeveloped seeds, and ratios of developed to undeveloped seeds (D/U) are indicated. n, number of seeds counted.

Parental genotype (female x male)	Developed seeds (%)	Undeveloped seeds (%)	n	D/U
<i>ec1-RNAi_9/+</i> X <i>EC1/EC1</i>	50.2	49.8	181	1.01
<i>EC1/EC1</i> X <i>ec1-RNAi_9/+</i>	82.6	17.4	278	4.75
<i>ec1-RNAi_16/+</i> X <i>EC1/EC1</i>	50.1	49.9	252	1.00
<i>EC1/EC1</i> X <i>ec1-RNAi_16/+</i>	87.3	12.7	139	6.87
<i>ec1-RNAi_18/+</i> X <i>EC1/EC1</i>	58.9	41.1	366	1.43
<i>EC1/EC1</i> X <i>ec1-RNAi_18/+</i>	83.7	16.3	186	5.13
<i>EC1/EC1</i> X <i>EC1/EC1</i>	83.8	16.2	187	5.17