

Table S2. Ovule and early seed abortion in *atlig1*_{mat}/+, *dme*_{mat}/+ and the double mutant

Female × male	Aborted (% ± s.d.)	<i>n</i>
WT × WT	9±5.7	404
<i>dme-4</i> /+ × WT	13±8.3	390
<i>atlig1-3</i> /+ × WT	10.5±13.6	264
<i>atlig1-3</i> /+; <i>dme-4</i> /+ × WT	11.8±4.4	416

Siliques were dissected 6 days after pollination and the proportion of aborted seeds was measured. No significant increase in the rate of seed abortion was observed in the *atlig1*; *dme* double mutant indicating that the two mutations are not synthetic lethal.

n, number of seeds analysed.