

Table S2. Observation of female gametes in mature embryo sacs in the WT and *ick* septuple mutant

| Line | Embryo sacs analyzed | Sets of central cell and egg nuclei observed | | | |
|----------|----------------------|--|------------|-----------|----------|
| | | 1 | 2 | 3 | 4 |
| WT | 98 | 98 (100%) | 0 | 0 | 0 |
| Septuple | 204 | 111 (54.4%) | 78 (38.2%) | 11 (5.4%) | 4 (2.0%) |

The flower buds just before opening were emasculated and left for 1 day. Ovules (from about 15 gynoecia for each line) were prepared and observed under a microscope with DIC optics. If one central cell (secondary) nucleus and one egg nucleus, usually close to each other, could be identified, they were considered as one set. The synergid nuclei were not always recognizable when there were three or four sets of gametes. For the mutant, a large portion (about 47% by a separate analysis) of embryo sac did not contain any observable secondary and egg nuclei, and were not included in this survey.