

Fig. S1. Comparison of three pollen germination medium for semi-*in vitro* pollen germination.

- (a) Representative images of the wild-type pollen tubes growing semi-in vitro on different solid pollen germination medium (PGMs) without AtLURE1.2 peptide attraction. Scale bar, 50 μ m.
- (**b**, **c**) Quantification of the growth rate (**b**) and pollen tube width (**c**) on three PGMs without AtLURE1.2. More than 10 pollen tubes were measured. Data are mean \pm SE. **P < 0.01 (one-way anova).
- (**d**) Representative images of wild-type pollen tubes growing semi-*in vitro* on different PGMs containing 1 μM AtLURE1.2 peptide. Scale bar, 50 μm.
- (**e**, **f**) Quantification of the growth rate (**e**) and width (**f**) of pollen tubes on three PGMs containing 1 μ M AtLURE1.2. More than 10 pollen tubes were measured. Data are mean \pm SE. **P < 0.01 (one-way anova).