Supplemental Table 4. Average germination rate of transgenic and control cacao pollen in *in vitro* germination assay. Pollen from *AtFT* transgenic pollen was assay alongside pollen from PSU-Sca6 control flower in an *in vitro* germination assay. Control flowers were tested under varying assay conditions including varied osmolyte concentrations, pre-test and test incubation temperatures. *AtFT* pollen tested under low osmolyte and 23 °C test incubation showed an average germination of 36.6%.

Media Sucrose w/v % →			**10**						**20**						**30**								
Media PEG4000 w/v %			**0**			**15**			**0**			**15**			**0**			**15**					
Media plant extract			**n/a**			**ICS-1 pistil**																	
Media Designation			**A**			**B**			**C**			**D**			**E**			**F**			**G**		
	Pre-assay	**Assay**	**Average germination rate and Standard Error**																				
Flower Type	**Incubation Temperature**		AVG	SE	N	AVG	SE	N	AVG	SE	N	AVG	SE	N	AVG	SE	N	AVG	SE	N	AVG	SE	N
	23 °C		30.9	19.3	2	84.9	0.0	1	5.7	0.0	1	3.5	0.0	1	0.0	0.0	1	0.0	0.0	1	0.0	0.0	1
	26 °C	23 °C	28.7	11.6	2	7.2	0.0	1	0.0	0.0	1	0.0	0.0	1	0.0	0.0	1	0.0	0.0	1	0.0	0.0	1
PSU-	28 °C		8.6	6.0	2	0.0	0.0	1	0.0	0.0	1	0.0	0.0	1	0.0	0.0	1	0.0	0.0	1	0.0	0.0	1
Sca6	23 °C		37.1	26.2	2	76.1	0.0	1	0.0	0.0	1	0.0	0.0	1	0.0	0.0	1	0.0	0.0	1	0.0	0.0	1
control	26 °C	26 °C	16.4	11.6	2	48.3	0.0	1	0.0	0.0	1	0.0	0.0	1	9.1	0.0	1	0.0	0.0	1	0.0	0.0	1
	28 °C		74.2	3.4	2	72.2	0.0	1	28.8	0.0	1	41.4	0.0	1	21.1	0.0	1	12.3	0.0	1	34.2	0.0	1
	37 °C	23/26 °C	3.5	2.5	2	4.5	3.2	2	0.0	0.0	2	0.0	0.0	2	0.0	0.0	2	0.0	0.0	2	0.0	0.0	2
AtFT		23 °C	36.6	22.6	2										n/a								