

Additional data file 1. Validation for embryo sac expression

TAIR ID	Gene Description	FC ^a	Embryo Sac Expression (Method) ^b	Reference
<i>(i) coaliquie</i> Dataset				
At4g37450	AGP18	1.50	egg, synergids, antipodals (ET, ISH)	[87]
At1g80370	Cyclin A2;4, Endocycle Regulation	1.28	embryo sac (PRG)	This study
At4g01970	Galactosyltransferase	1.51	embryo sac (ET)	This study
At5g40260	Nodulin MtN3 Protein	1.99	embryo sac (ISH, PRG)	This study; [34]
At4g30590	Plastocyanin	1.83	embryo sac (ISH, PRG)	This study; [34]
At4g34110	Polyadenylate-Binding Protein 2 (PAB2)	1.30	embryo sac (PRG)	[88]
At1g71770	Polyadenylate-Binding Protein 5 (PAB5)	1.38	embryo sac (PRG)	[89]
At1g78940	Protein Kinase, Cell Cycle Progression	1.35	embryo sac (ISH)	This study
At1g28220	Purine Permease 3 (PUP3)	1.30	synergids (PRG)	This study
At5g60270	Receptor Kinase	1.56	egg cell (ISH)	This study
At1g58470	RNA Binding Protein, RPB1	1.34	embryo sac (PRG)	[90]
At1g24260	SEPALLATA 3 (SEP3)	1.34	embryo sac (ISH)	[91]
At3g61160	Shaggy-Like Kinase β (ASK β)	1.32	central cell (ISH)	[27]
At5g50915	TCP Transcription Factor	1.36	egg, central cell (ISH)	This study
At3g61740	Trithorax Like Protein (ATX3)	1.47	central cell, egg, synergids (ISH)	This study
<i>(ii) sporocyteless</i> Dataset				
At1g02580	E(Z) Homologue, MEDEA	1.64	egg, central cell (PRG, ISH)	[85]
At2g35670	Fertilization Independent Seed 2 (FIS2)	4.31	central cell (PRG)	[25]
At4g02060	MADS Box Protein, PROLIFERA	1.34	embryo sac (ET, ISH)	[15]
At4g18770	R2R3-MYB Transcription Factor (MYB98)	14.23	synergids (PRG, PrGFP)	[22]
At4g25530	Homeodomain Protein, FWA	5.04	central cell (PrGFP)	[92]
At2g37560	Origin recognition complex subunit 2 (ORC2)	1.28	egg, synergid, central cell (ISH)	[93]
At5g40260	Nodulin MtN3 Protein	14.22	embryo sac (ISH, PRG)	This study; [34]
At4g30590	Plastocyanin	1.83	embryo sac (ISH, PRG)	This study; [34]
At1g71770	Polyadenylate-binding protein 5 (PAB5)	1.38	embryo sac (PRG)	[89]
At1g26795	Self-Incompatibility Protein-Related	25.98	embryo sac (PRG)	[34]
At1g36340	E2, Ubiquitin-Conjugating Enzyme	14.97	antipodals (PRG)	[34]
At3g24220	9-Cis-Epoxycarotenoid Dioxygenase (NCED6)	2.24	central cell (PrGFP)	[94]

^aGenes that exhibited a greater than 1.28-fold change (FC) in their wild-type signal values from the corresponding values from mutants that lacked an embryo sac ($P < 0.1$)

^bGene expression was identified by enhancer-traps (ET), gene promoter elements fused with marker genes such as β -glucuronidase (PRG) or GFP (PrGFP), and *in situ* hybridization (ISH)