

SUPPLEMENTARY MATERIALS

Table 1. Total RNA amount from nanodrop quantification

No	Plant lines	Total RNA
1	<i>Arabidopsis Columbia</i> wildtype	799,1 ng/ul
2	<i>ago2-1</i> single mutant	950,6 ng/ul
3	<i>ago10-1</i> single mutant	376,4 ng/ul
4	<i>ago1-27</i> single mutant,	1131,1 ng/ul
5	<i>ago1-25</i> single mutant	1384,9 ng/ul
6	<i>ago1-25 ago10-1</i> double mutant	1153,5 ng/ul
7	<i>ago1-27 ago10-1</i> double mutant	464,8 ng/ul
8	<i>ago1-27 ago2-1</i> double mutant	708,3 ng/ul
9	<i>ago1-25 ago2-1</i> double mutant	1486,6 ng/ul
10	<i>ago2-1 ago10-1</i> double mutant	1133,7 ng/ul
11	<i>ago1-25 ago2-1 ago10-1</i> triple mutants	1384,9 ng/ul
12	<i>ago1-27 ago2-1 ago10-1</i> triple mutants	1284,0 ng/ul

Table 2. Primers and probes

No	Primers / probes	Sequence	Usage on experiment
1	AGO1_F	ATGGTGAGAAAGAGAAGAACGGATG	Sq RT PCR
2	AGO1_R	TCAGCAGTAGAACATGACACGCTTC	Sq RT PCR
3	Ubp9_F	F: GTGCTGAGAGATGCCGATTG	Sq RT PCR
4	Ubp9_R	R: CCTCTCCTCCTCCAACAGTC	Sq RT PCR
5	LBb1_SALK	<i>GCGTGGACCGCTTGCTGCAACT</i>	Mutant identification
6	AGO2-1_F	TCTAGAGCCACCATGGAGAGAGGTGGT TATCG	Mutant identification
7	AGO2-1_R	GGATCCTCAGACGAAGAACATAACATTC TC	Mutant identification
8	AGO10_LP	AGGTGGCAATCAAGTTTGTG	Mutant identification
9	AGO10_RP	AATTTTGCATGCCTACATTGG	Mutant identification
10	Mir159	TAGAGCTCCCTTCAATCCAAA	Probe on total RNA analysis
11	Mir168	TTCCCGACCTGCACCAAGC	Probe on total RNA analysis