

Table S1. Phenotypic analysis of Stage 1 ovules in F2 individuals segregating for *ago4-6*

Plant	<i>AGO4</i>					<i>ago4-6/+</i>					<i>ago4-6</i>				
	Class I	Class II	Class III	Class II + III	n	Class I	Class II	Class III	Class II + III	n	Class I	Class II	Class III	Class II + III	n
1	91.95	6.89	1.14	8.04	87	71.15	28.84	0	28.84	104	67.26	23.8	8.92	32.73	168
2	92.3	5.12	2.56	7.69	78	62.28	31.57	6.14	37.71	114	64.94	30.92	4.12	35.05	97
3	91.66	8.33	0	8.33	60	63.63	31.4	4.95	36.36	121	62.92	32.58	4.49	37.08	89
4	88.57	10	1.43	11.42	70	67.85	32.14	0	32.14	28	70.32	25.27	4.39	29.67	91
5	88.76	11.23	0	11.23	89	69.3	28.71	1.98	30.69	101	69.59	27.02	3.37	30.4	148
6	87.32	12.67	0	12.67	71	70.65	29.34	0	29.34	92	65.62	27.34	7.03	34.37	128
7	86.41	15.71	0	15.71	81	69.52	29.26	1.21	30.48	82	66.66	28.98	4.34	33.33	69
8	89.88	10.11	0	10.11	89	70.96	25.8	3.22	29.03	93	-	-	-	-	-
Mean	89.60	10.00	0.64	10.65	625	68.16	29.63	2.18	31.82	735	66.75	27.98	5.23	33.23	790
SE	0.78	1.17	0.34	0.96		1.20	0.72	0.84	1.20		0.97	1.16	0.74	0.98	

Class I: ovules with a single MMC, **Class II:** ovules with two MMC-like cells, **Class III:** ovules with more than two MMC-like cells. **n:** total of ovules analyzed. Values are given as a percentage.