

**Table S1. Segregation of double mutants**

genotype, parental plants	phenotype, offspring				
	<i>WT</i>	<i>mp</i>	<i>pin1</i>	<i>novel</i>	total
<i>mp/+ pin1/+</i>	425 (61)	102 (15)	122 (18)	44 (6)	693 (100)
<i>mp/+ pid/+</i>	247 (57)	82 (19)	<u><i>pid</i></u> 77 (18)	24 (6)	430 (100)
<i>pin/+ pid/+</i>	468 (57)	<u><i>pin1</i></u> 165 (20)	132 (16)	50 (6)	815 (100)
expected (%)	56	19	19	6	100