PMSR1	1	
PMSR2	1	
PMSR4	1	MQVLVVSPPLIAAASLSKPLNSLSKAALSFSRAKPICPFPQ7SRRPISVYKSPMM3LFN3
PMSR3	1	MDSSLKTQEPQVVETSPS
PMSR1	7	LODGSSCOTNHDPSPIAQGNDDDDPAPGNQFAQFGAGCFWGVELADORVPGVTOTE
PMSR2	7	
PMSR4	61	LGEGSEPONNADPS., SAAIAOGPDDDVP SGROFAOFGAGCFWGVELANOBVPGV707F
PMSR3	19	PVAQEPPQVADRPHIVPSPIAQBPDHDVPAPGHBRABPHAGCFHGVELAQRHPGVTVTE
PMSR1	63	ACTEOSTVDNPSYSDVCSGTTSHSEVVRVQTDLNDCHYESLLDLFWSRHDPTTLNRQGND
PHSR2	63	VGYEOGINHEPSYNDVCHGTTHEARHVRVOYDPKECHYNSLLDLFWSHDDTTLNROGND
PHSR4	119	VGY BEGIVENPS BEDVCEGTTEREVVRVOYDPKECHTESLLDWFWMREDP77LNROG PD
PMSR3	79	VGT BGIBHNPSTEDVC TTEBAEVVRVQTDPECTTEGLLDLFWSRB PTTLNRQGU
PHSR1	123	VGTQYRSGIYFYTPEQEKLARESLE <u>HQQQ</u> ERKI <u>H</u> TEILPAKKFYRAEE <u>H</u> qqylskgg
PHSR2	123	VGTQYRSGIYFYNPEOEKLARESLENHOOOMRKNYTEILPAKKFYRAEEHOOYLSKGG
PHSR4	179	VGTQYRSGITHTTDEQENAREANE MONTHANIVTEILPARTYRABITHQQYLURGC
PHSR3	139	CAQYRSGIYFYTPEQEKLARESLEHEQKELSOKIVTEILPAKKFYMABEYHQQYLUKGG
PMSR1	183	RECOGNETARCOMPERCYC*
PHSR2	183	RFGL@QSTEKGCUDPIRCYG-
PHSR4	239	RUGLOOSMERGCODFIRCYC
PHSR3	199	MHORAQSPARSCHOPIRCYC



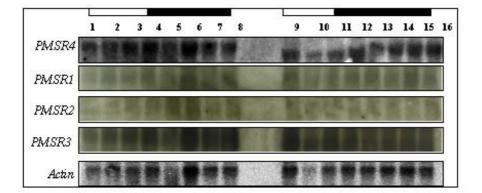


Figure 1S Bechtold et al

Supplemental Figure 1. (A) Sequence alignment of derived PMSR protein sequence.
(B) RNA blot analysis of PMSR transcripts during a 24 hour period. Lanes (1) WT
8:30, (2) WT 12:00, (3) WT 15:30, (4) WT 17:30, (5) WT 21:30, (6) WT 1:30, (7)
WT 4:30, (8) WT 7:30, (9) *pmsr2-1* 8:30, (10) *pmsr2-1* 12:00, (11) *pmsr2-1* 15:30,
(12) *pmsr2-1* 17:30, (13) *pmsr2-1* 21:30, (14) *pmsr2-1* 1:30, (15) *pmsr2-1* 4:30, (16)

pmsr2-1 7:30. The white bars represent the light and the black bars the dark phase.