Supplementary figure legends:

Figure S1. Map-based cloning of *RSN1*.

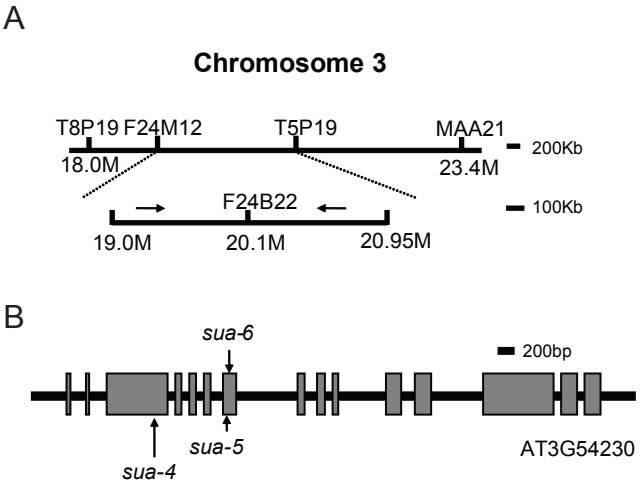
(A) The positions of the mapping markers. The *rsn1* mutations are flanked between markers F24M12 and T5P19.

(B) Gene structure of *RSN1* and the mutation sites in *RSN1*. Exons are indicated with gray boxes and introns with lines. Arrows indicates the mutation sites of *rsn1* mutants.

Figure S2. Alignment of RSN2 and its homologs from other eukaryotes. Amino acid sequences of hSPF45 from human, SPF45 from *Drosophila*, F58B3.7 from *C.elegans*, OsDRT111 from rice and RSN2 were aligned with Clustal Omega program (http://www.ebi.ac.uk/Tools/msa/clustalo/) and the alignment result was shaded with BOXSHADE program (http://www.ch.embnet.org/software/BOX_form.html).

Figure S3. flg22-induced ROS burst in wild type and *rsn2-1* plants. Four-week-old soil-grown plants were used in this assay.

Supplementary Table S1. Primers used in this study.



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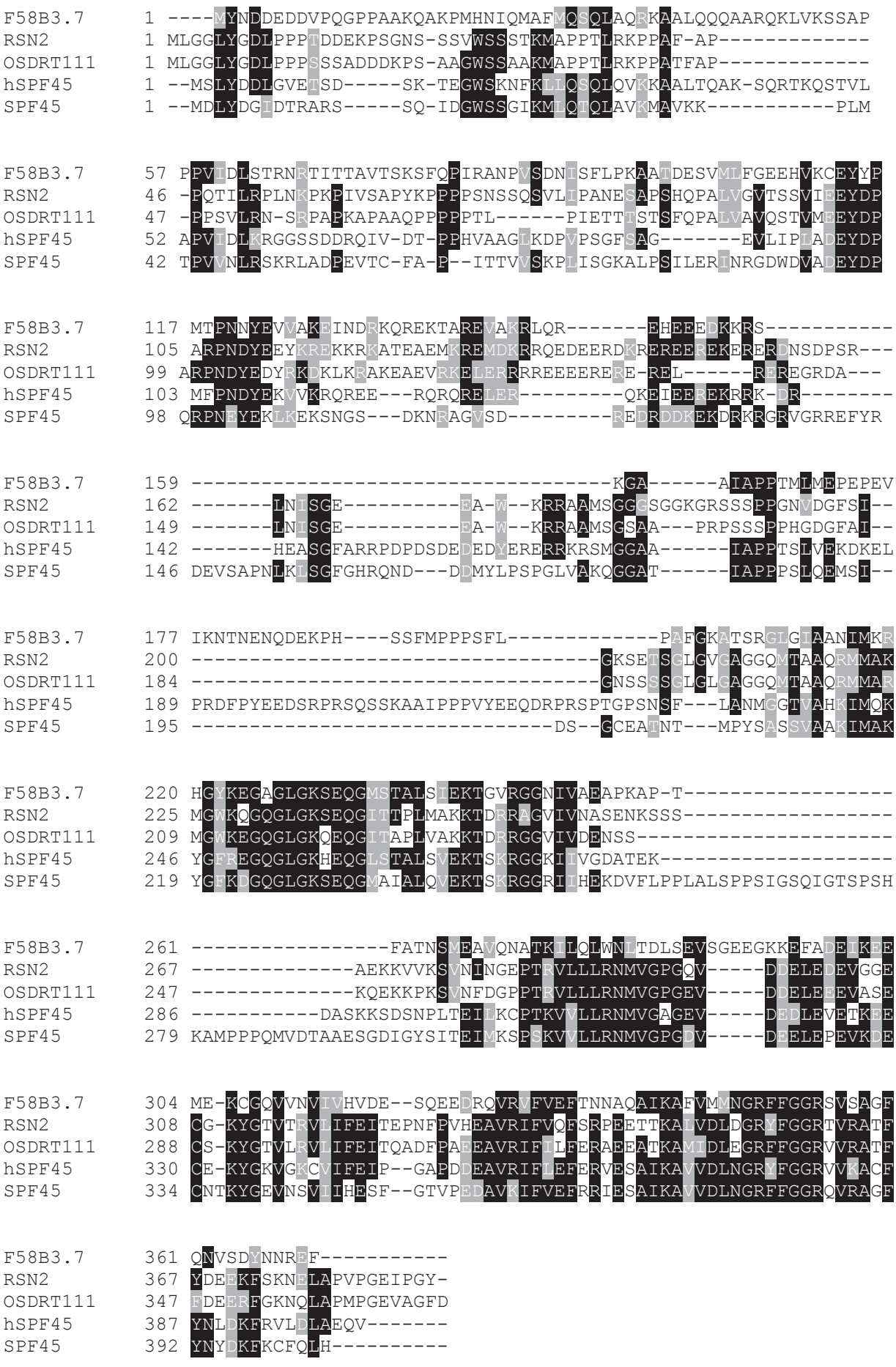

Figure S2. Alignment of RSN2 and its homologs from other eukaryotes.

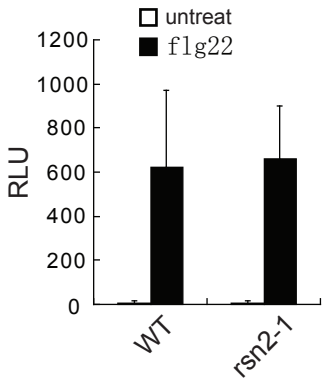

Figure S3. flg22-induced ROS burst in wild type and *rsn2-1* plants.

Table S1. Primers used in this study

Primer	5'-3' sequence	Purpose
SNC4-RT-F	cttcgcagatgaaactgttg	Real-time PCR
SNC4-RT-R	gtggaataagagccttcagc	Real-time PCR
CERK1-RT-F	gcacaatttcagctacag	Real-time PCR
CERK1-RT-R	caacaaagccacaatcactcc	Real-time PCR
CERK1-SPL-1R	ggtgcatttccaccattc	Alternative splicing
AtSR1/SRp34-F	aggagcagaagtcccaaggc	Alternative splicing
AtSR1/SRp34-R	ccttctgaacagaaggtagag	Alternative splicing
U1-70K-F	cccaataatgatccaaatgc	Alternative splicing
U1-70K-R	cttatatgcagctttcatgtc	Alternative splicing
RSN1-F	gagcgggtaccaccaccaccatcatcccgag	Complementation
RSN1-R	cgcggggatccatagccagggatttcacctgc	Complementation
F17F8-F1	ggaagaggattgactcaaagagc	InDel marker
F17F8-R1	gcagcaaacacgtacgtgagc	InDel marker
F1K23-F	gcaaatccataggaagtgagtc	InDel marker
F1K23-R	gatctgtatctgaaacctgggaa	InDel marker
F13K9-F	ttctgctgaaccaaggtgtc	InDel marker
F13K9-R	ataatatgatgcgcgctagg	InDel marker
F14M2-F	cgcatacgtgtcaccgtgag	InDel marker
F14M2-R	tgtccgggactgcctttagc	InDel marker
T8P19-F1	agaacacgcaaaaggacacg	InDel marker
T8P19-R1	gcttagtataactggttttgg	InDel marker
F24M12-F1	tgaagattctacctcgcgtg	InDel marker
F24M12-R1	gttgatctggtgaccaatcc	InDel marker
T5P19-F1	cgtattaaaagtttggagatgttac	InDel marker
T5P19-R1	aatagactgcaaaggtttttgatc	InDel marker
MAA21-F1	gtcacccatatgatgcaaagg	InDel marker
MAA21-R1	gcaattgaagcagactcaacc	InDel marker
F24B22-F1	gtgttgtgtatgtcctgagc	InDel marker
F24B22-R1	cctaaagtacaatgccaagacg	InDel marker