



**Figure S1. Genotyping of *mkp1* and *mkp1mpk6* mutants**

- (A) qPCR analysis of *MKP1* transcripts in total RNA from untreated 12-day-old seedlings. Each sample was RNA pooled from 6-8 seedlings and three samples per genotype were analyzed. Graphed are means  $\pm$ SE, n=3.
- (B) qPCR analysis of *MPK6* transcripts in total RNA from untreated 12-day-old seedlings. Each sample was RNA pooled from 6-8 seedlings and three samples per genotype were analyzed. Graphed are means  $\pm$ SE, n=3.
- (C) Immunoblot analysis of protein extracts from untreated 12-day-old seedlings using specific anti-MPK6 (upper panel) or anti-calnexin (lower panel) antibodies for loading control.

**Supplementary Table S1. qRT-PCR primers used in this study**

<b>Gene</b>	<b>AGI number</b>	<b>Primer</b>
<i>MKP1</i>	At3g55270	Fw: 5'-CCTGAAAGGATCTCTGAAGTTGCC-3' Rev: 5'-CCGTTTCTAATACCCTCCAGATTG-3'
<i>MPK6</i>	At2g43790	Fw: 5'-CTCGTTGCACGACATAAGCG-3' Rev: 5'-CGCCTCGCGGTAGATTAGTT-3'
<i>AP2/ERFa</i>	At5g51190	Fw: 5'-TTAACGCCATCAAGTTGGAAG-3' Rev: 5'-TCCAAGAGATGGACAAGGAGA-3'
<i>STZ</i>	At1g27730	Fw: 5'-GCCACGTTAGCAGTAGCCA-3' Rev: 5'-ACCGAAAGTCAAACCGAGG-3'
<i>At1g13470</i>	At1g13470	Fw: 5'-ACAAGCGTTGTGGTAGGAAA-3' Rev: 5'-AACCTCCTCCCATCTTTGTAGA-3'
<i>JAV1</i>	At3g22160	Fw: 5'-GGCTTTCGGGTCCGGTAATA-3' Rev: 5'-CGCGTGAGGCTGGAAATTAT-3'
<i>CRK20</i>	At4g23280	Fw: 5'-TTCAACGTTGAAAAGGCGGA-3' Rev: 5'-TTTTCTCTTAGCGCGGCGG-3'
<i>CYP81D8</i>	At4g37370	Fw: 5'-GGAAGTGGCTCATCGGCTTAT-3' Rev: 5'-GGCATTGTAACACCTTTGCC-3'
<i>At5g59080</i>	At5g59080	Fw: 5'-CATGGCTCACAAGCTCAACG-3' Rev: 5'-TTGGTTGGTGGTGGATCGAG-3'
<i>At1g23390</i>	At1g23390	Fw: 5'-TTATGGCTGGGATCATCGGA-3' Rev: 5'-TCTCAAATACGTCTCAGGCA-3'
<i>bHLH100</i>	At2g41240	Fw: 5'-CAGAGCTGCAAGAGCAAGTT-3' Rev: 5'-ACGCATAGCTTGTAACCCCTT-3'
<i>WRKY41</i>	At4g11070	Fw: 5'-CACACAACACAATCCAACGATAG-3' Rev: 5'-ACTCTTCGCTTCTCGGATTC-3'
<i>CYP79B2</i>	At4g39950	Fw: 5'-CAGGATGGCCGATCATTGGA-3' Rev: 5'-GCTGCTTCATGATGCTGTGG-3'
<i>At4g20000</i>	At4g20000	Fw: 5'-TGGATTTTCGGTCTCCCACT-3' Rev: 5'-GCTCGTACTCACGTGTTGG-3'
<i>At4g22610</i>	At4g22610	Fw: 5'-TGTCTGCATCTGCGATTCCA-3' Rev: 5'-GATAGTCCGCTCCGCAAAGG-3'
<i>CYP71A13</i>	At2g30770	Fw: 5'-CGATTCCTCAAACGAACCGC-3' Rev: 5'-TACCTGAGACTGAGGGACCG-3'
<i>WSD1</i>	At5g37300	Fw: 5'-TGGCGAAGGGTTCAAAGTGT-3' Rev: 5'-TCCATCGTAGCTTTGGCTCG-3'
<i>PHI-1</i>	At1g35140	Fw: 5'-GACTCAGTCTCTCCCTCGGA-3' Rev: 5'-TAGCTTTGGCCACCTTTTGC-3'
<i>At1g33610</i>	At1g33610	Fw: 5'-CACGGTGGCTGGTCTACAAA-3' Rev: 5'-GGAGAAAGTGGAGAGCCACA-3'
<i>At1g49470</i>	At1g49470	Fw: 5'-ATCCTTCTCTGCGGCTCTATT-3' Rev: 5'-ACCCCATGTTCAAGAACCAGC-3'
<i>ASG5</i>	At1g20650	Fw: 5'-ATCGACCGTTCATAGGTGACAT-3' Rev: 5'-TTCTTGAATCTCTGGTGACGGT-3'

**Supplementary Table S2. RNAseq reads and mapping statistics**

<b>Sample</b>	<b>Total reads</b>	<b>Reads mapped</b>	<b>Percentage mapped</b>
Ws_0_r1	28464813	25455616	89.43%
Ws_0_r2	28084244	25135755	89.50%
Ws_0_r3	25472221	22758060	89.34%
Ws_30_r1	27114807	24271396	89.51%
Ws_30_r2	23385907	20962479	89.64%
Ws_30_r3	28232682	25264976	89.49%
Ws_90_r1	25033996	22410590	89.52%
Ws_90_r2	35682508	31937051	89.50%
Ws_90_r3	27755215	24804288	89.37%
<i>mkp1_0_r1</i>	23715130	21133020	89.11%
<i>mkp1_0_r2</i>	26512288	23646642	89.19%
<i>mkp1_0_r3</i>	22533079	20078407	89.11%
<i>mkp1_30_r1</i>	27287352	24358068	89.27%
<i>mkp1_30_r2</i>	23754657	21200605	89.25%
<i>mkp1_30_r3</i>	25880226	23044514	89.04%
<i>mkp1_90_r1</i>	26511655	23683342	89.33%
<i>mkp1_90_r2</i>	39427945	35196352	89.27%
<i>mkp1_90_r3</i>	21840801	19495129	89.26%
mm6_0_r1	26083896	23256381	89.16%
mm6_0_r2	25944302	23159288	89.27%
mm6_0_r3	25541526	22809792	89.30%
mm6_30_r1	27486329	24520879	89.21%
mm6_30_r2	31620116	28212006	89.22%
mm6_30_r3	26158912	23317215	89.14%
mm6_90_r1	24185982	21561388	89.15%
mm6_90_r2	37488452	33420508	89.15%
mm6_90_r3	26208281	23356334	89.12%
total	737407322	658450081	89.29%

mm6: *mkp1 mpk6*

**Supplementary Table S3. Number of PAMP responsive transcripts at 30 min and 90 min post elf26 elicitation**

	<b>30min</b>	<b>90min</b>
<b>elf26 up-regulated transcripts</b>	<b>2114</b>	<b>2995</b>
<b>elf26 down-regulated transcripts</b>	<b>781</b>	<b>2994</b>
<b>Total</b>	<b>2895</b>	<b>5989</b>