Supplementary Materials

TCP Transcription Factors Interact with NPR1 and Contribute Redundantly to Systemic Acquired Resistance

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# Supplementary Tables

**Supplemental Table 1. Primers used in this study**

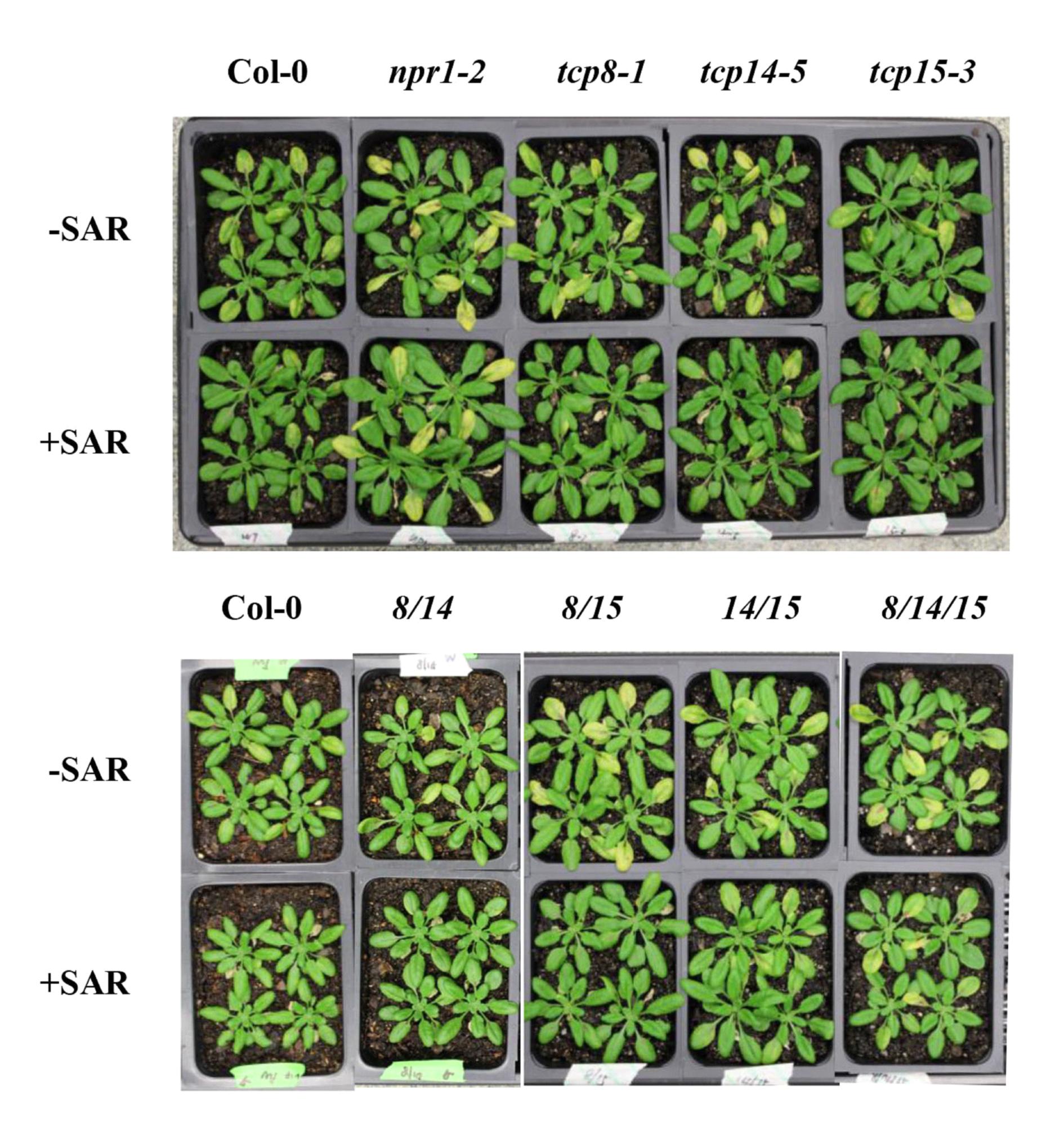
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| --- | --- |
| Primer Name | Primer Sequence (5'-3') |
| GW\_F (attB1) | ggggACAAGTTTGTACAAAAAAGCAGGCTTC |
| GW\_R (attB2) | gggcACCACTTTGTACAAGAAAGCTGGGTC |
| TCP8\_GW\_F | GW\_F\_ATGGATCTCTCCGACATCCG |
| TCP8\_GW\_R | GW\_R\_TCACTCAGAGCTATTTGAGTTCTCCT |
| TCP14\_GW\_F | GW\_F\_ATGCAAAAGCCAACATCAAGTATC |
| TCP14\_GW\_R | GW\_R\_CTAATCTTGCTGATCCTCCTCATCA |
| TCP15\_GW\_F | GW\_F\_ATGGATCCGGATCCGGATC |
| TCP15\_GW\_R | GW\_R\_CTAGGAATGATGACTGGTGCTTCC |
| PR1\_p2380\_GW\_F | GW\_F\_ACAAAGAATATATATAACGATCATTG |
| PR1\_p2380\_GW\_R | GW\_R\_AAAAATCGAGAATAGCCAGT |
| PR2\_p1513\_GW\_F | GW\_F\_GCCGAACCAATATTCTATCAAG |
| PR2\_p1513\_GW\_R | GW\_R\_TTTCTTGATTTTTCTATGATTCTGTG |
| PR5\_p1000\_GW\_F | GW\_F\_GGTTCAATTTATGAACCAGTTTCTAC |
| PR5\_p500\_GW\_F | GW\_F\_CAACAGTCAACAAACACATCTATCTG |
| PR5\_p\_GW\_R | GW\_R\_ATTTTTTTATGGGTTTTTTGTGTG |
| NPR1\_p1000\_GW\_F | GW\_F\_CCAAGAGGTGATTATGCAGA |
| NPR1\_p1000\_GW\_R | GW\_R\_CAACAGGTTCCGATGAATTG |
| PR5\_a\_F | CTGTTGTTACACACACACACACCC |
| PR5\_a\_R | CCCCCTAATGAAGCATTCATCT |
| PR5\_b\_F | TCAACTATGTTCTAGACTTCTAGAAGCC |
| PR5\_b\_R | CTAAACAGGTATAAAATCTGGTTATAAACG |
| PR5\_c\_F | GGATCTCATAGTCGCGGATCA |
| PR5\_c\_R | CATGGCTGATGCACACTACACT |
| PR5\_p1000\_m\_F | AACCCCCAGACAATAATATTTTATCGGTCA |
| PR5\_p1000\_m\_R | TGACCGATAAAATATTATTGTCTGGGGGTT |

# Supplementary Figures

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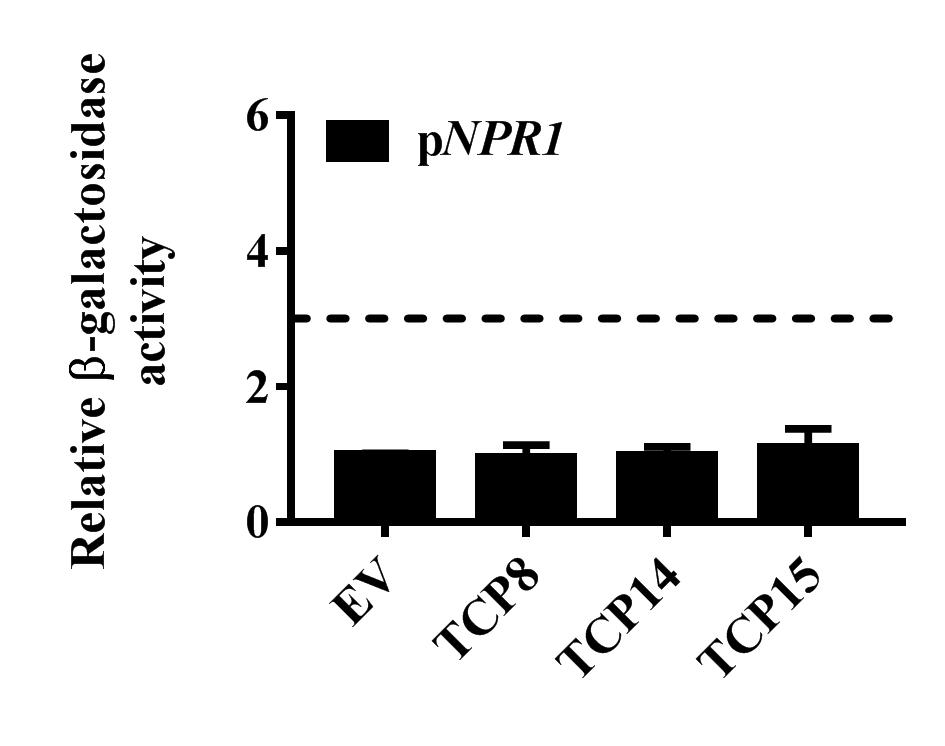
**Supplementary Figure 1.** SA-induced expression of *TCP8* requires *NPR1*.

Four-week-old plants were sprayed with water (Mock) or 0.5 mM SA (SA) for 24 hours. The mRNA levels of *TCP8* **(A)**, *TCP14* **(B),** and *TCP15* **(C)** in Col-0 and *npr1-2* were examined by RT-qPCR. Primers used in this study were described in (Wang et al., 2015). Relative mRNA levels were normalized to the *UBQ5* mRNA levels. Error bars represent SD of three biological repeats. Statistical analysis was studied by two-way ANOVA following multiple comparisons with turkey test (95% confidence interval) using GraphPad Prism 7. Different small letters above the bars means significant difference

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**Supplementary Figure 2.** The disease symptoms of plants subjected to SAR test.

Two lower leaves of three-week-old plants were infiltrated with 10 mM MgCl2 (-SAR) or *Psm* ES4326 with *avrRpt2* (OD600 = 0.02) (+SAR). Three days later, two upper leaves were infiltrated with *Psm* ES4326 (OD600 = 0.001). Photographs were taken three days post the second infection.

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**Supplementary Figure 3.** TCP8, TCP14, and TCP15 did not bind to the *NPR1* promoter

The binding ability of TCP8, TCP14, and TCP15 to the *NPR1* promoter was studied by Y1H.