# Supporting Information

Eitas *et al.* 10.1073/pnas.0802157105

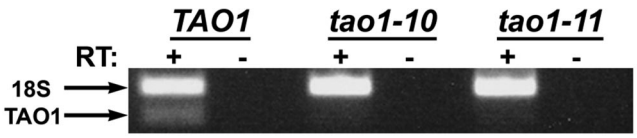


**Fig. S1.** *tao1–10* and *tao1–11* lines are transcript nulls. (*Lower*) Leaf RNA from various plants lines was subject to RT-PCR analysis for the *TAO1* transcript. (*Upper*) Equivalent amounts of template cDNA loading shown by 18S control primer band. RT + or − indicates the presence or absence of reverse transcriptase in the cDNA synthesis reaction step. This experiment is representative of two independent replicates.

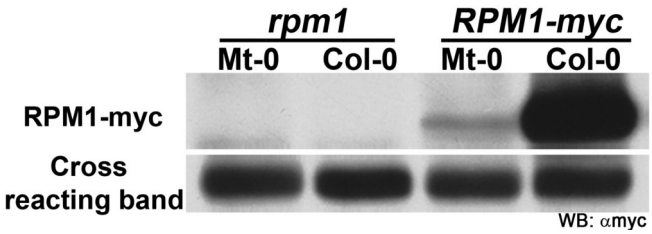


**Fig. S2.** Weak RPM1 function in Mt-0 is likely caused by low RPM1 accumulation. Western blot analysis showing RPM1-myc accumulation in various plant lines. The cross-reacting band serves as an indicator of equivalent amounts of total protein loaded. This experiment is indicative of two independent replicates. Note that we screened several independent transgenic Mt-0 lines for RPM1-myc accumulation and this was the highest level observed.

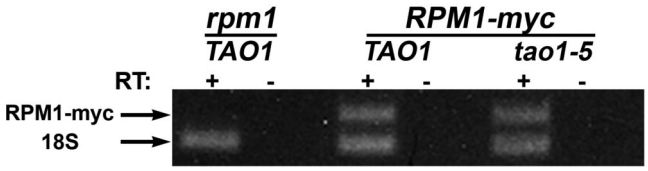


**Fig. S3.** The effect of *tao1–5* on RPM1 is posttranscriptional. Leaf RNA from various plants lines, genotypes above, was subjected to RT-PCR analysis for the *RPM1* transcript. Equivalent amounts of template cDNA loading shown by 18S control primer band. RT + or − indicates the presence or absence of reverse transcriptase in the cDNA synthesis reaction step. This experiment is representative of three independent replicates.

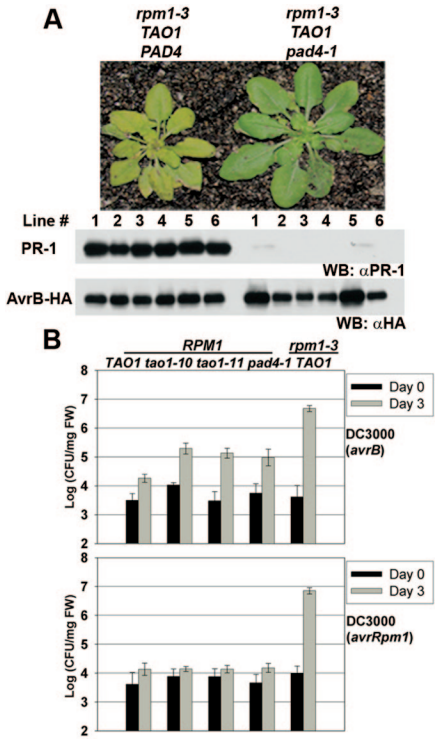


**Fig. S4.** TAO1 function is lost in a *pad4–1* background. (*A*) Six F2 *rpm1–3 pad4–1* lines containing the *DEX:avrB-HA* transgene were selected. The picture was taken 3 days after DEX treatment. Protein extracts (72 hpi) from six individual plants were subjected to Western blot analysis for both PR-1 and AvrB-HA. Equivalent amounts of total proteins were loaded in all lanes (data not shown). (*B*) Two- to 3-week-old plants were dip-infiltrated with *Pto* DC3000(*avrB*) (*Upper*) or *Pto* DC3000(*avrRpm1*) (*Lower*) at a bacterial concentration of $2.5 \times 10^7$ cfu/ml. Error bars represent the SD among four samples. This experiment is representative of three independent replicates.

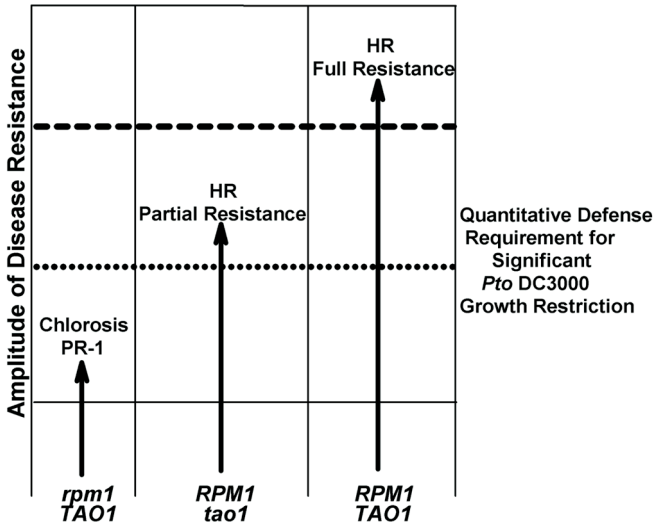


**Fig. S5.** RPM1 and TAO1 act additively for full disease resistance against *Pto* DC3000(*avrB*). A model for the additive function of TAO1 and RPM1. The *x* axis displays plant genotypes. The *y* axis represents the level of disease resistance.