

Supplemental Figures

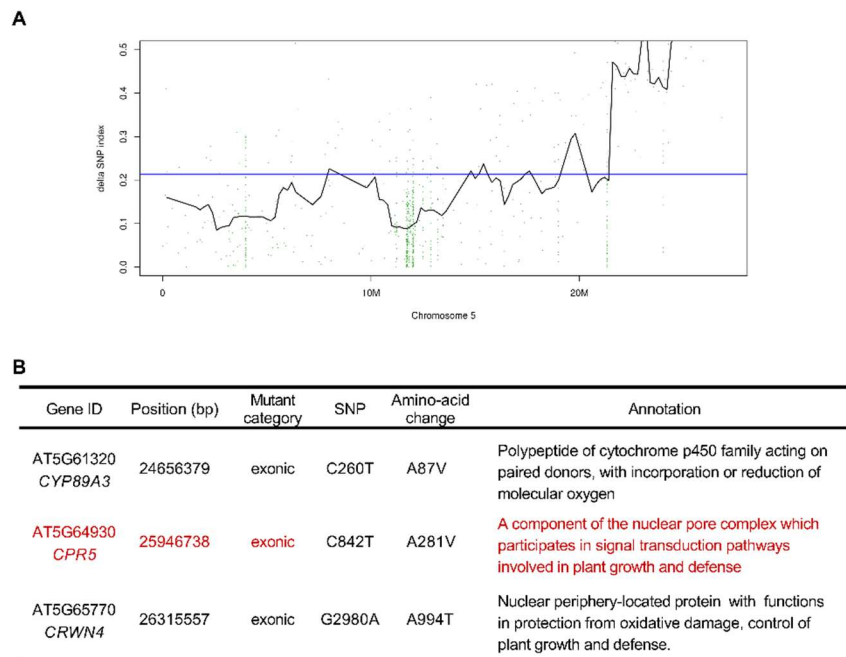


Figure S1. Molecular characterization of *DELT9*. (A) Δ SNP-index plot of *Chr5* generated by whole-genome sequencing. Green dots correspond to each Δ SNP-index. The black line represents the average Δ SNP-index at 1-Mb intervals with 100-kb increments. The candidate region is above the blue line indicating cutoff values. (B) List of candidates. Three nonsynonymous SNPs were identified in the candidate regions.

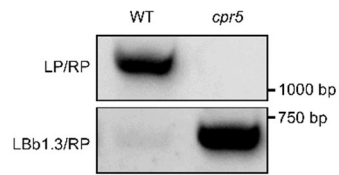


Figure S2. Genotyping of *cpr5* T-DNA insertion mutants. *cpr5* homozygotes were identified by PCR. The primers used for amplification are listed in Table S1.



Figure S3. Mutation of ADR1-L2 does not suppress the premature leaf senescence in *cpr5*. Representative photographs of 4-wk-old plants. White arrows indicate early senescence leaves. Scale bars, 1 cm.

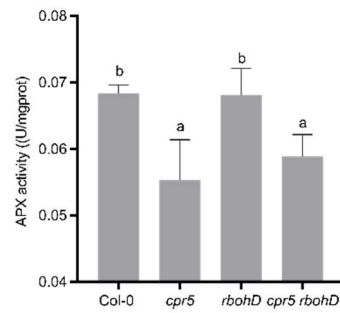


Figure S4. Introduction of *rbohD* into *cpr5* did not recover the reduced APX activity. APX activity was measured in the 5th–7th rosette leaves from 4-wk plants. Data are the mean \pm SD (n = 4). Letters above bars indicate significantly different values among groups ($P < 0.05$; one-way ANOVA). The experiment was performed twice with similar results each time.

Table S1. Primers used in this study

Primer name	Sequence (5' to 3')	Function
Salk_074631 LP	TTGTTGCAGTGATAGCACCAG	Genotyping for cpr5 T-DNA homozygote
Salk_074631 RP	TTTGGGTGCAGATATTTTTCG	
LBb1.3	ATTTTGCCGATTTCGGAAC	T-DNA genotyping
CPR5-GW-F	GGGGACAAGTTTGTACAAAAAAGCAGGCTACATGGAAGCCCTCCTCCTCCCT	Cloning for 35S::CPR5-3×HA
CPR5-GW-R	GGGGACCACTTTGTACAAGAAAGCTGGGTCAGCATAGTCAGACCCACCAT	
WRKY25-qF	GGTTGTGGAGTGAAGAAGCA	qRT-PCR
WRKY25-qR	TCGTGATTGTGTCTTCCTTCA	
WRKY53-qF	TCACCGAGCGTACAACCTTATTCC	
WRKY53-qR	CGTTTATCGATGCCGGAGATT	
WRKY75- qF	CCGTCAAGAACAACAAGTTCCC	
WRKY75- qR	TATGCTCGAAGTTTTCGGTGGA	
GSTF2- qF	CCAGCTTCCGAGAAGGTTCAGTG	
GSTF2- qR	GCCAAAGATACTCTCAAGAGCATAAC	
GSTF3- qF	CTTTGAGCTCGTTCATGTTGAA	
GSTF3- qR	TTCGTATCGGTGAGCTATGTAC	
GSTF7- qF	TGAAGATGGAGACTTCAAGCTT	
GSTF7- qR	CATGCGATTCAATTTCAATGCC	
AOX1a- qF	GTTTCAGGCCATGGGAAACG	
AOX1a- qR	CAAGAAACGTCGTTGGAACATGA	
AOX1d- qF	CCAAATGGTACGAACGAGCG	
AOX1d- qR	ACGATGAGCAAGTTTGGGTGA	
MDAR3- qF	CTGAAGCCTGGTGAACCTCGC	
MDAR3- qR	GGTCGGATTGACTTCGAGGTC	
SAG13- qF	GGGCTTGGGAGAGAACTCAA	

SAG13- qR	TGGCTAGTTCCTCCACCAC	
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