

Selenium Treatment Regulated the Accumulation of Reactive Oxygen Species and the Expressions of Related Genes in Postharvest Broccoli

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Table S1. Name and sequence of primers designed for genes related to ROS metabolism.

Gene	Primer Sequences (5'-3')	Gene Bank Accession	Amplicon length
<i>ACT2</i>	F: 5'-TTCAAGCTGGAGCCAAGAAGGTTC-3' R: 5'-ACGAATGGTGGCAGACAGTTAGTG-3'	AF044573	151
<i>RBOHf</i>	F: 5'- CGGCGGTTACGGTGAAGAGTTC-3' R: 5'- GGTTGCTGGCTCCACGCTTC-3'	LOC106318844	88
<i>RBOHd</i>	F: 5'- GTCCACAGCGTCCAGCAAGC-3' R: 5'- CAAGCGTCTTCTTCGTGAGGAGTG-3'	LOC106306517	85
<i>WRKY33</i>	F: 5'- TGCTCCGACAACAACAACAACAAAC-3' R: 5'- TCCTTTCCTTTGCTCTCGTCCATTG-3'	LOC106337141	115
<i>WRKY25-1</i>	F: 5'- TGA CTGCTACGAACAAGACGAAGAC-3' R: 5'- TCGGGAGAGGAGGAGGCTGAG-3'	LOC106331712	114
<i>WRKY25-2</i>	F: 5'- CACCGATCTCCTTGCTTCTTCCG-3' R: 5'- TGAGCCGTCTTGAAC TTGGGTAAAC-3'	LOC106336759	104
<i>WRKY15</i>	F: 5'- GCTCCGCCGCAGATCCATAAAG-3' R: 5'- GGTGCTTCATGTGCTCAGACTCC-3'	LOC106339373	103
<i>WRKY6</i>	F: 5'- GGACTCGTTCAGGCGGTTGTTC-3' R: 5'- ACTCGGTTTCAGGGCTTTCTTCAC-3'	LOC106313108	96
<i>CAT</i>	F: 5'- TGGCAACAACACTCCTGTCTTCTTC-3' R: 5'- TTTGTCTTCGGGTTTCGGCTTCAG-3'	LOC106311776	87
<i>SOD</i>	F: 5'- CCTCCGTCCACTCTCCGTTCC-3' R: 5'- AGTTACCCTTGAGCACAGCAACAG-3'	LOC106336916	142
<i>APX</i>	F: 5'- CCACCACCCGAGTCTCTTCC-3' R: 5'- GGAGGAGGAGGAGGAGGAGGAG-3'	LOC106300129	122
<i>POD</i>	F: 5'- CGAAGCAGTTGTAATGGAGGAGGAG-3' R: 5'- GGTGTTCTTGTGGCGTTTGTAAAGG-3'	LOC106308421	124

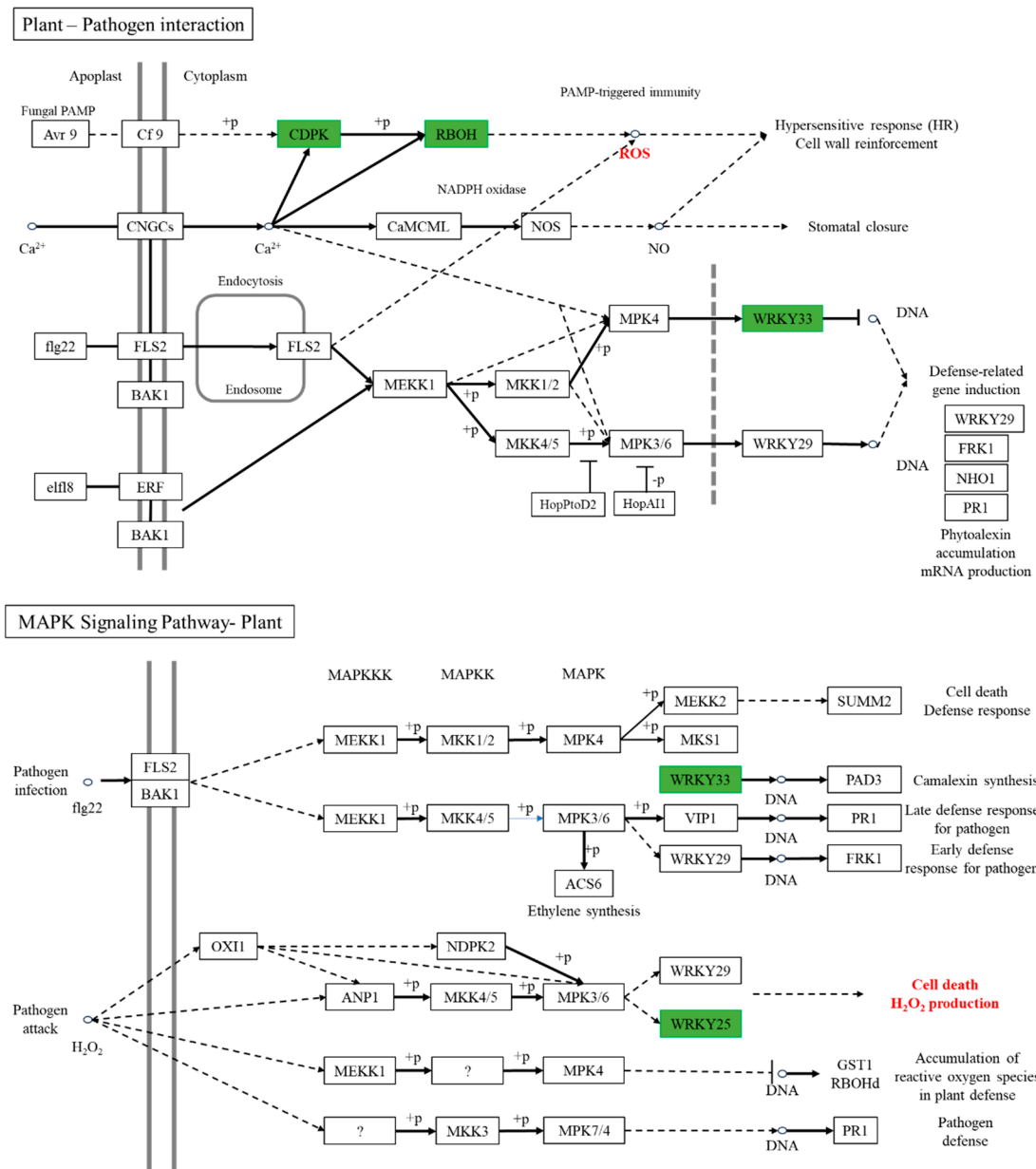


Figure S1. Plant-Pathogen interaction and MAPK signaling pathways

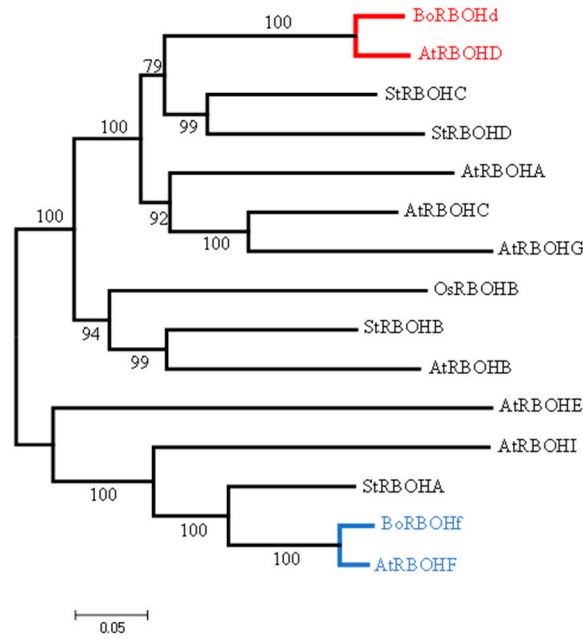


Figure S2. Phylogenetic relationships among *RBOH*s. Phylogenetic tree of *RBOH* sequences of broccoli (*BoRBOH*), Arabidopsis thaliana (*AtRBOH*), Solanum tuberosum (*StRBOH*), and Oryza sativa (*OsRBOH*) based on a conservative approximate alignment method.

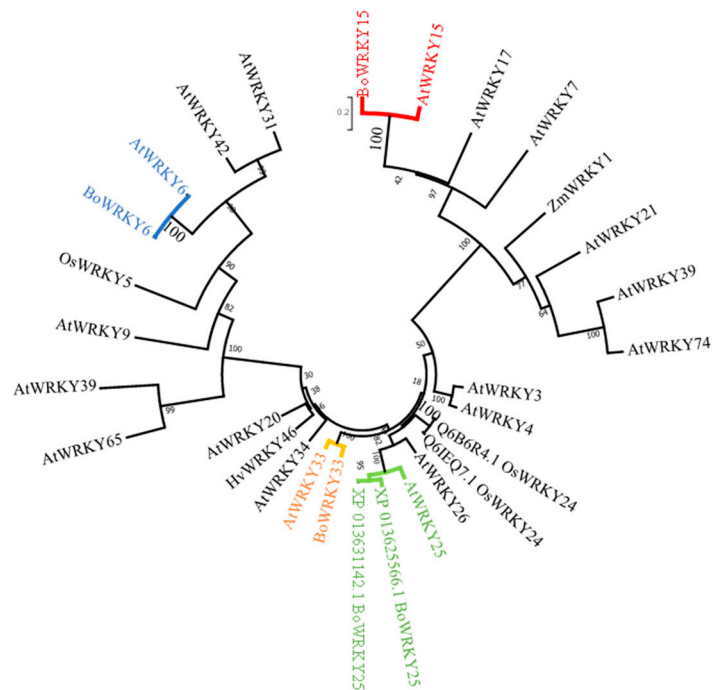


Figure S3. Phylogenetic relationships among *WRKY*s. Phylogenetic tree of *WRKY* sequences of broccoli (*BoWRKY*), Arabidopsis thaliana (*AtWRKY*), Hordeum vulgare (*HvWRKY*), Zea mays (*ZmWRKY*) and Oryza sativa (*OsWRKY*) based on a conservative approximate alignment.