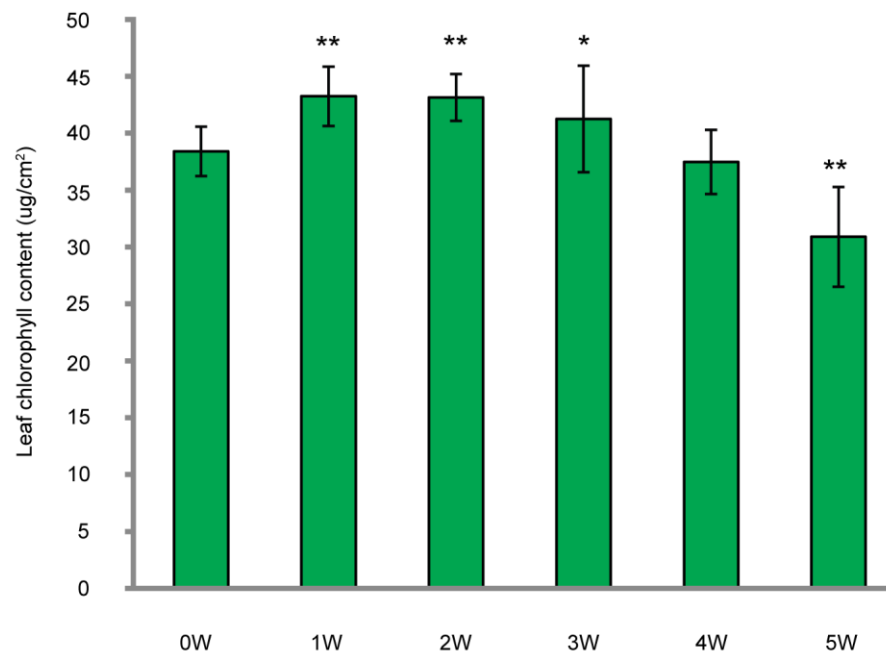
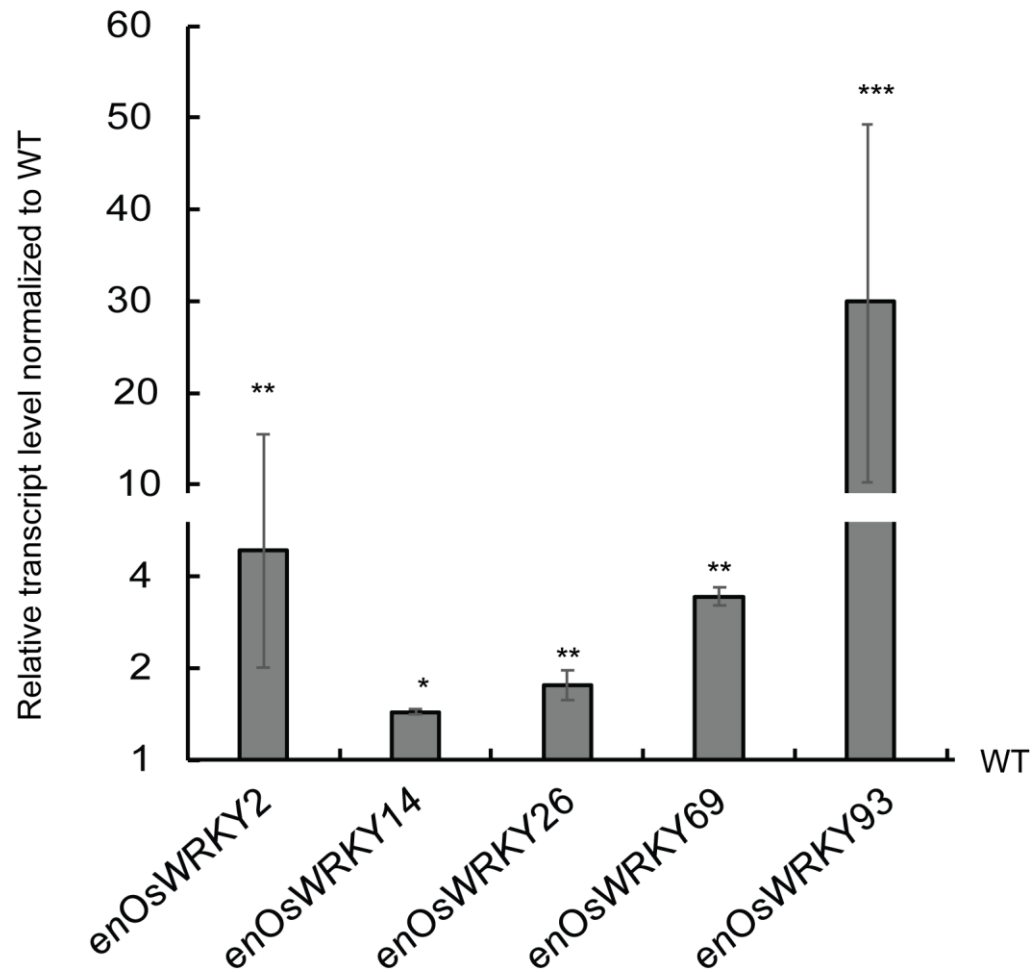
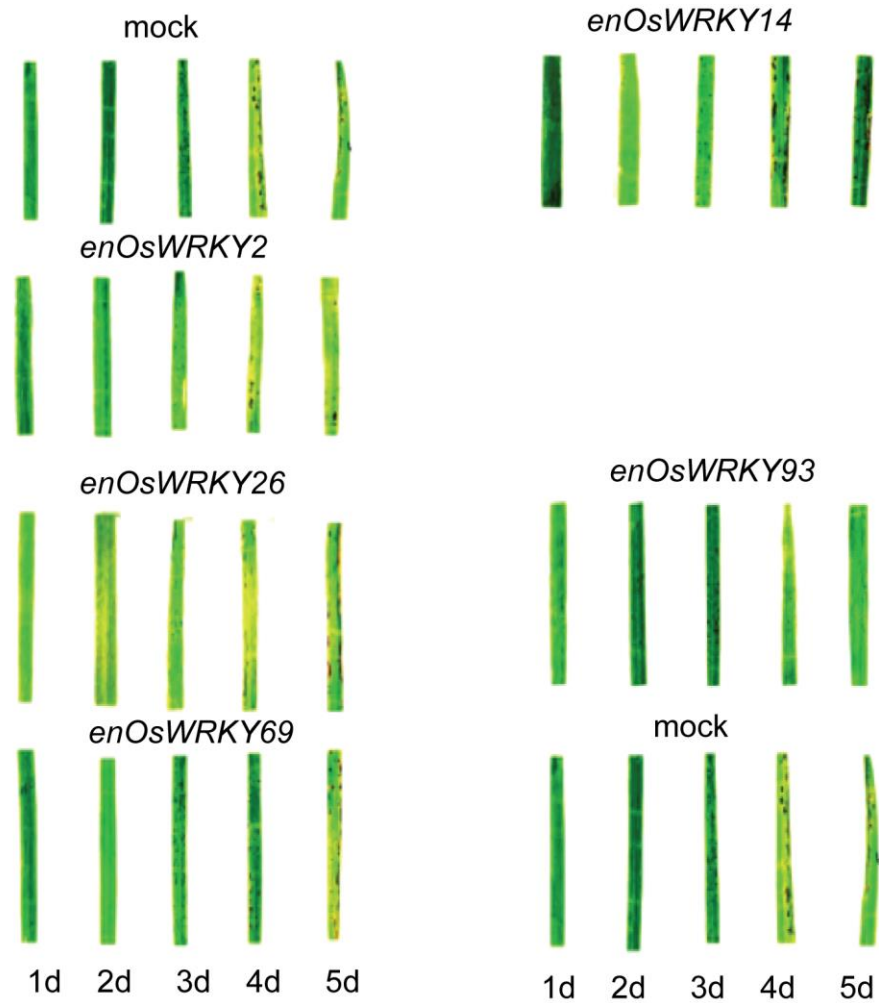




Supplementary Figure S1. Chlorophyll contents of rice flag leaves at six times during aging stages (0W, 1W, 2W, 3W, 4W and 5W). The error bars indicate standard deviation of three biological replicates and five technique replicates were used. Asterisk indicate significant differences (* $P < 0.05$ and ** $P < 0.01$) based on Student's t-test compared to WT.



Supplementary Figure S2. The transcript levels of five enhanced expression OsWRKYs VP64 transgenic lines compared to the Kitaake WT plants by RT-qPCR. The error bars indicate standard deviation of three biological replicates and three technique replicates were used. Asterisk indicate significant differences (* $P < 0.05$ and ** $P < 0.01$) based on Student's t-test compared to WT.



Supplementary Figure S3. The infection phenotypes of five enhanced expression *OsWRKYs*_{VP64} transgenic lines to *M. oryzae*

Representative leaves of Kitaake and the *OsWRKYvp64* after inoculation with *M. oryzae* for 1, 2, 3, 4, 5 days. Pathogen infection assays were performed on three biological replicates.

Table S1. The list of primer pairs used in this study.

Gene Names	Locus Names	Sequences
<i>OsWRKY2</i>	LOC_Os10g42850	F: CTACACCTCCGACCACAACCA
		R: GTAAGACGATCGTGGCCAGTCT
<i>OsWRKY10</i>	LOC_Os01g09100	F:CGCACTCGTCGGAATCGT
		R:AGTGCATACAAGAACCGATCGA
<i>OsWRKY14</i>	LOC_Os01g53040	F:CACCTACTCCTTCGAGCACA
		R:GTTTCCTCGGGTTCCACTT
<i>OsWRKY26</i>	LOC_Os01g51690	F:GTGGAGGAAGTACGGGAAAAAGT
		R:TGGATCCCCTCGTACATCGT
<i>OsWRKY29</i>	LOC_Os07g02060	F:GCCAGAAAGCCGTCAAGAAC
		R:CGGTGTGGTGGGAGTGTTG
<i>OsWRKY45</i>	LOC_Os05g25770	F: CGGGTAAAACGATCGAAAGA
		R: TTTCGAAAGCGGAAGAACAG
<i>OsWRKY47</i>	LOC_Os07g48260	F:AGCGCCTGCGGATTACG
		TAAGGATCGAAGCCAAACATGTC
<i>OsWRKY49</i>	LOC_Os05g49100	F:GGTTCGCGTTCATGACCAA
		R:CGCTCCACCCTCTTCTTCAC
<i>OsWRKY69</i>	LOC_Os08g29660	F:GTAAGATCAGTGCAGGTGTAAGCAGTA
		R:CTTCTTATTTTCCTCTCTTTTGCTTGA
<i>OsWRKY72</i>	LOC_Os11g29870	F:TGCATGGATCGATGGATGTTA
		R:GAATCTTGCTTGCCACTGAATCT
<i>OsWRKY73</i>	LOC_Os06g05380	F:TGATGACGTTGAGCCCTGAA
		R:TGACCTGTGGCTGAGGAGCTA
<i>OsWRKY93</i>	LOC_Os06g06360	F:AACGCCACCATGACACGAT
		R:GGAATTTGGCACCGAGGAT
<i>OsNAC4</i>	LOC_Os07g04560	F:TCCTGCCACCATCTGAGATG
		R:TTGCAGAATCATGCTTGCCAG
<i>OsACTIN</i>	LOC_Os03g50885	F:CCAAGGCCAATCGTGAGAAGA

		R:AATCAGTGAGATCACGCCCAG
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Table S2. The list of primer pairs for genotyping CRISPR/Cas9 mutants.

Gene Names	Locus Names	Sequences
<i>OsWRKY93</i>	LOC_Os06g06360	F:CTTAGCTTTCGCGTGTCGTG
		R:GAACACACACACGCACCTTC