

## Supporting Information

*OsLPR5* encoding ferroxidase positively regulates the tolerance to salt stress in rice

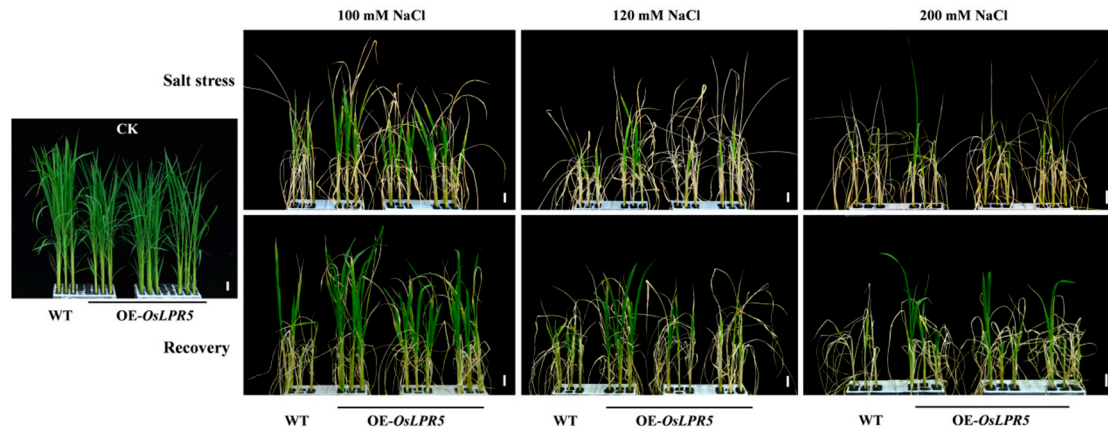


Figure S1. Overexpression of *OsLPR5* enhances the salinity tolerance of rice at the seedling stage exposed to 100, 120 and 200 mM NaCl stress for 7 days (Scale bars, 2 cm).

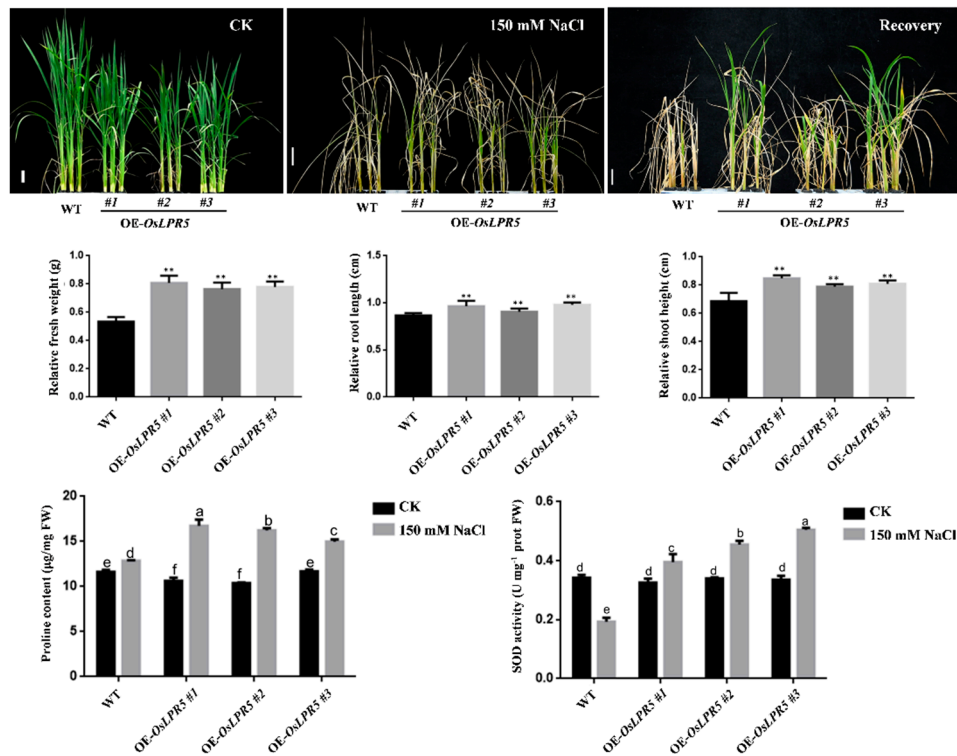


Figure S2. Overexpression of *OsLPR5* enhances the salinity tolerance of rice at the seedling stage exposed to 150 mM NaCl stress for 7 days (Scale bars, 2 cm). Different letters indicate significant differences between means as determined using ANOVA followed by Duncan's test ( $P < 0.05$ ).

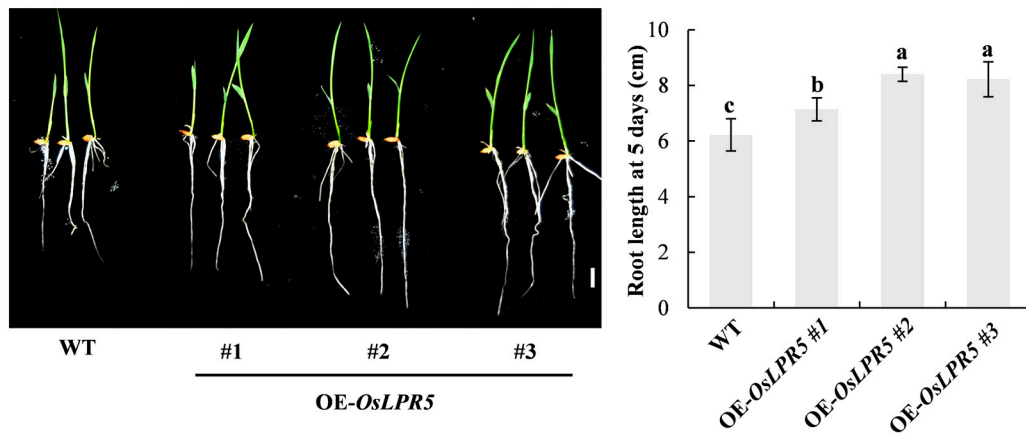


Figure S3. Overexpression of *OsLPR5* promotes the length of the primary after germination and growth for 5 days compared with wild type (WT) (Scale bars, 2 cm). Different letters indicate significant differences between means as determined using ANOVA followed by Duncan's test ( $P < 0.05$ ).

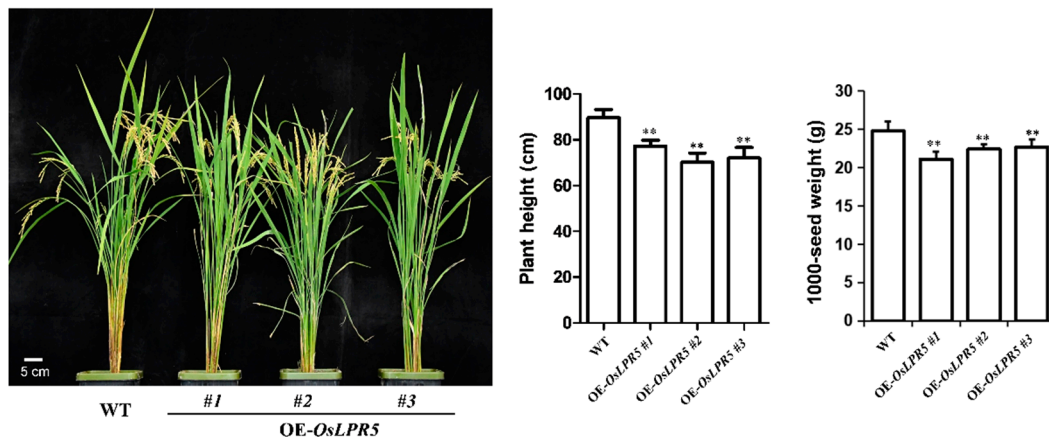


Figure S4. The photograph, plant height and 1000-grain weight of wild type and *OsLPR5* overexpressed plants in the mature stage. Asterisk represents statistical difference at  $**P < 0.01$  by t-test.

Table S1. Primers used for vector construction and qRT-PCR.

Primer	Sequence (5'-3')
OsLPR5-RT-F	CGAGGGATTCCAGGTGTTCAAG
OsLPR5-RT-R	GATCCAGGATGTGGCAGTGGTAG
OsLPR5-U3-F	ggcaACAGCCGCCAACAACACAG

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OsLPR5-U3-R	aaacCTGTGTTGTTGGCGGCTGT
OsLPR5-OE-F	agctcggtacccggggatcctctagaATGAGTCCGAGGATTCAGC
OsLPR5-OE-R	tcctcgcccttgctcaccatgctgacTGGAAGCAGCTTCAGAGGC
OsP5CS1-RT-F	TCTGCTCAGTGATGTGGATG
OsP5CS1-RT-R	CCTACACGAGATTTGTCTCC
OsYSL15-RT-F	GCGTTCCGCCGTGCTCACGAACGTGG
OsYSL15-RT-R	ATCCTCCACCCATGAAATTAAACAC
OsHKT2;1-RT-F	CGGCGTTTCTGGCATCA
OsHKT2;1-RT-R	GCACCGAACAATGTGACCAA

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