

Figure S1. High expression of PIF1 was toxic to yeast. PIF1 was cloned into pGADT7 (named PIF1-GADT7). Yeast transformed with PIF1-GADT7 or empty control vector pGADT7 was grown for 3 d on synthetic complete medium without Leu (SD/-Leu).

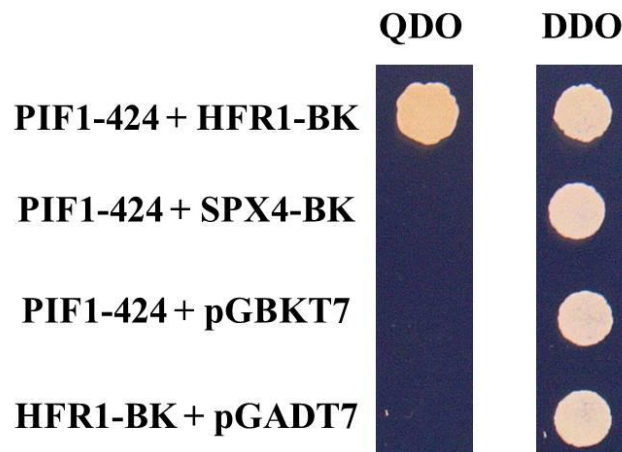


Figure S2. PIF1 could interact with HFR1, but not OsSPX4, in Y2H assay. PIF1 was cloned into pGAD424 (named PIF1-424). HFR1 and OsSPX4 were cloned into pGBKT7 (named HFR1-BK and SPX4-BK), respectively. Yeast transformed with the indicated plasmids were grown for 4 day on synthetic complete medium lacking Leu and Trp (DDO, right), and on medium lacking Leu, Trp, His and Ade (QDO, left).

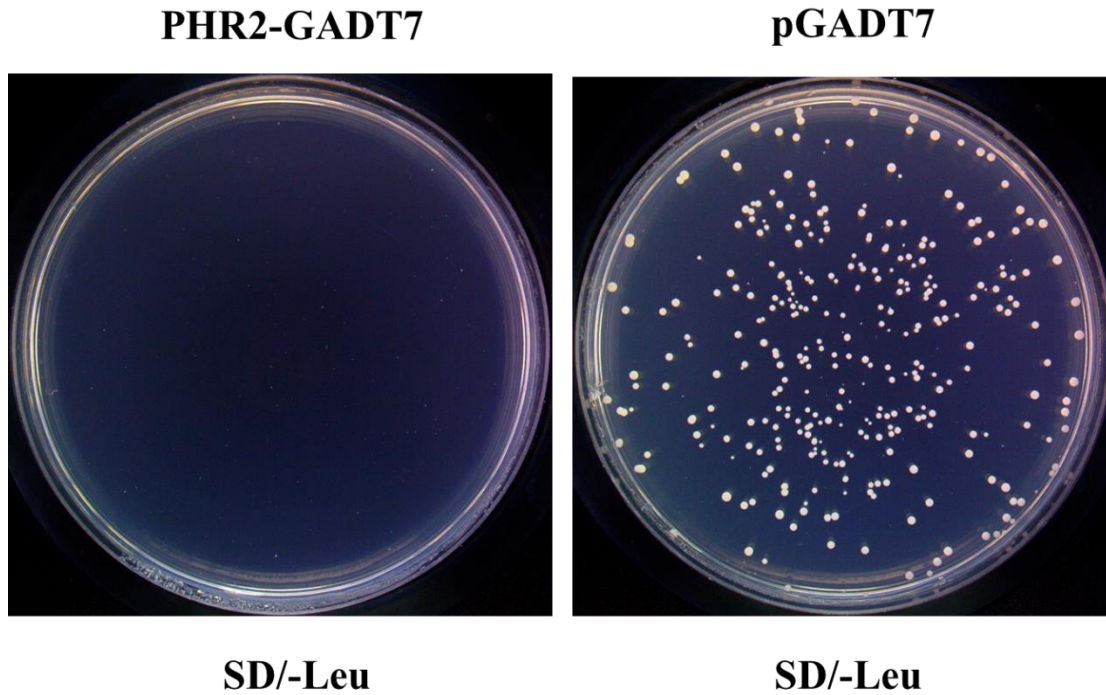


Figure S3. High expression of OsPHR2 was toxic to yeast. OsPHR2 was cloned into pGADT7 (named PHR2-GADT7). Yeast transformed with PHR2-GADT7 or empty control vector pGADT7 was grown for 3 d on synthetic complete medium without Leu (SD/-Leu).

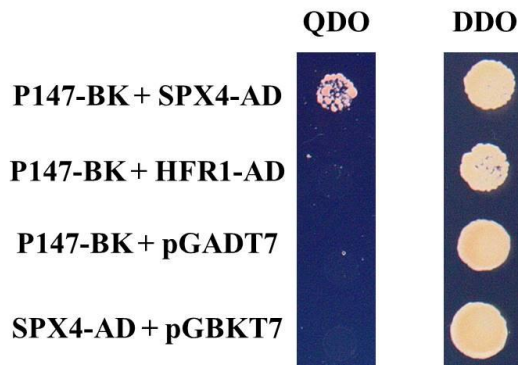


Figure S4. The truncated OsPHR2 (147 aa, P147) could interact with OsSPX4, but not HFR1, in Y2H assay. P147 was cloned into pGBKT7 (named P147-BK). OsSPX4 and HFR1 were cloned into pGADT7 (named SPX4-AD and HFR1-AD), respectively. Yeast transformed with the indicated plasmids were grown for 6 day on synthetic complete medium lacking Leu and Trp (DDO, right), and on medium lacking Leu, Trp, His and Ade (QDO, left).

Table S1. Primers and *cis*-elements used in this study.

Primer Name	Sequence (5'-3')
Plasmid Constructs:	
pGBKT7-NLS	
F	GCCGAATTCCCGGGGATCCGTCGAC
R	ATGGCCATATGCATCTTTCAGGAGGCTTGCTTCAAGC
synthesized NLS	
F	TATGGCGGAATTAATTCCCGAGCCTCCAAAAAAGAAGAGAA
R	AGGTCGAATTGGGTACCGCCCTCGAGGCCATGGAGGCCG
F	AATTCGGCCTCCATGGCCTCGAGGGCGGTACCCAATTCGA
R	CCTTCTCTTCTTTTTGGAGGCTCGGGAATTAATTCCGCCA
pmT7	
F	GGAAGATCTAAGCTTGAAGCAAGCCTCCTG
R	GGAAGATCTCTGGCGTAATAGCGAAGAGGC
Amplification of <i>P_{CYC1}</i>	
F	GGAAGATCTTCATTTGGCGAGCGTTGGTTG
R	GGAAGATCTTAGTGTGTGTATTTGTGTTTGCG
PIF1-GADT7	
F	CCGGAATTCATGCATCATTTTGTCCCTGAC
R	GCTCGAGCTCTTAACCTGTTGTGTGGTTTCCG
PIF1-424	
F	CCGGAATTCATGCATCATTTTGTCCCTGAC
R	ATCTCTGCAGTTAACCTGTTGTGTGGTTTCCG
HFR1-424	
F	CCGGAATTCATGTCTGAATAATCAAGCTTTCATGG
R	CGCGGATCCTCATAGTCTTCTCATCGCATGG
HFR1-mT7	
F	CCGCTCGAGATGTCTGAATAATCAAGCTTTCATGG
R	CCGGAATTCATAGTCTTCTCATCGCATGG
PHR2-GADT7	
F	AACCTCATATGATGGAGAGAATAAGCACCAATC
R	CGCGGATCCTTATCTGTACCTGATTCTG
P147-GADT7	
F	AACCTCATATGACCTCCAACCTCCAAGACACG
R	CCGGAATTCATTATGAAGCATCCACCGCCTTG
P147-424	
F	CCGGAATTCACCTCCAACCTCCAAGACACG
R	CGCGGATCCTTATGAAGCATCCACCGCCTTG
SPX4-mT7	
F	CCGCTCGAGATGAAATTCGGGAAGGATTTC
R	CGCGGATCCTCATTTCATCACGTGGCTGGC
SPX4-424	
F	CGCGGATCCGTATGAAATTCGGGAAGGATTTC
R	GGAAGATCTTCATTTCATCACGTGGCTGGC
Y1H	
3×P1BS-F	AGCTTCCTCAGCTCGGATATCCTCAAGATGCCCTCA
GCTCGGATATCCTCAAGATGCCCTCAGCTCGGATATCCTCAAGATGCC	
3×P1BS-R	TCGACGCATCTTGAGGATATCCGAGCTGAGGGCATCTTGA

GGATATCCGAGCTGAGGGCATCTTGAGGATATCCGAGCTGAGGA
4×G-box-F AGCTTGACCCATTAACACGTGGATCCATCACGTGCTG
TCAGTTTGAGGACCCATTAACACGTGGATCCATCACGTGCTGTCAGTTTGAG
4×G-box-R TCGACTCAAACCTGACAGCACGTGATGGATCCACGTGTTAATGGGT
CCTCAAACCTGACAGCACGTGATGGATCCACGTGTTAATGGGTCA

Note: Added restriction enzyme sites are underlined.



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