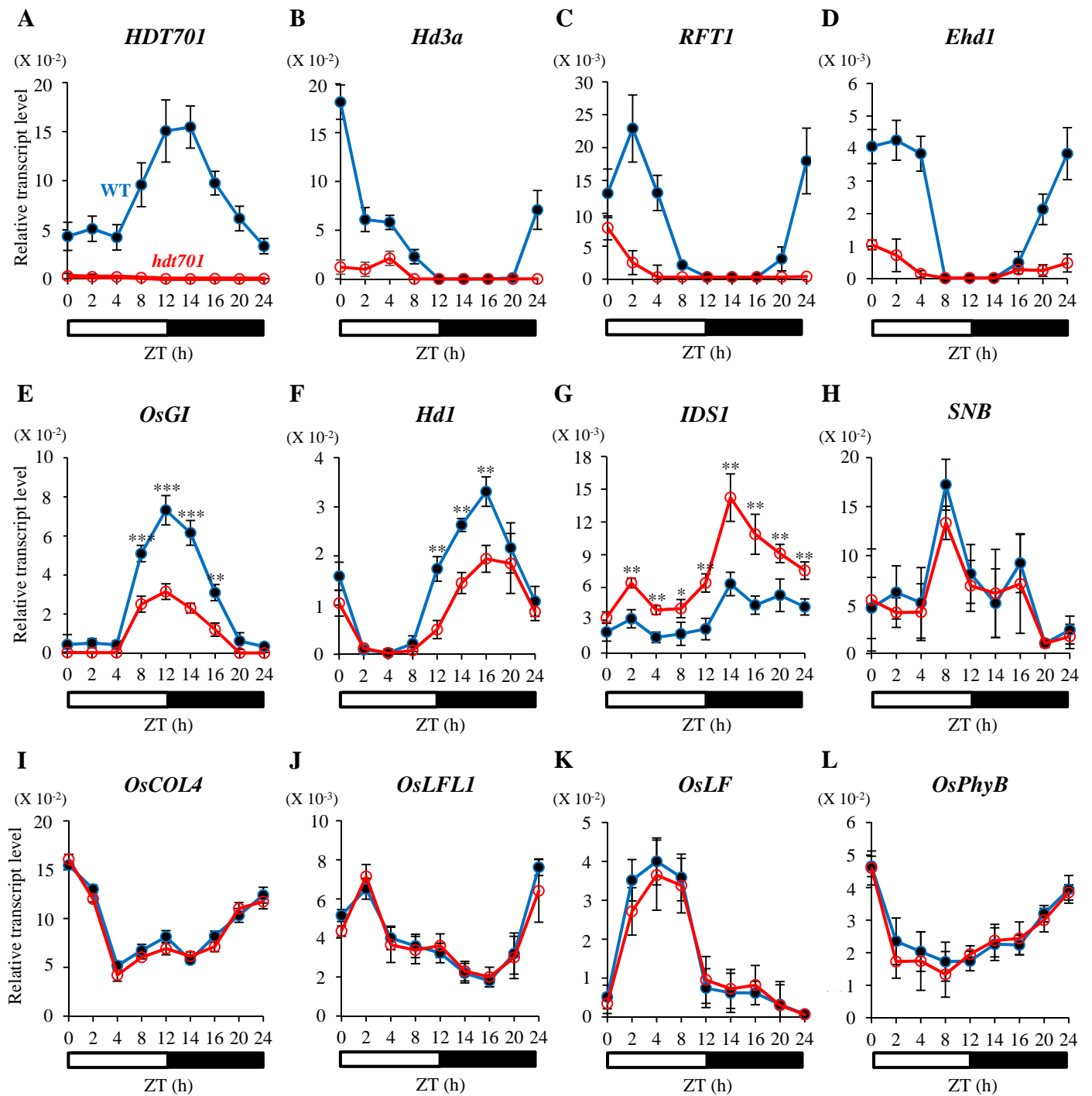
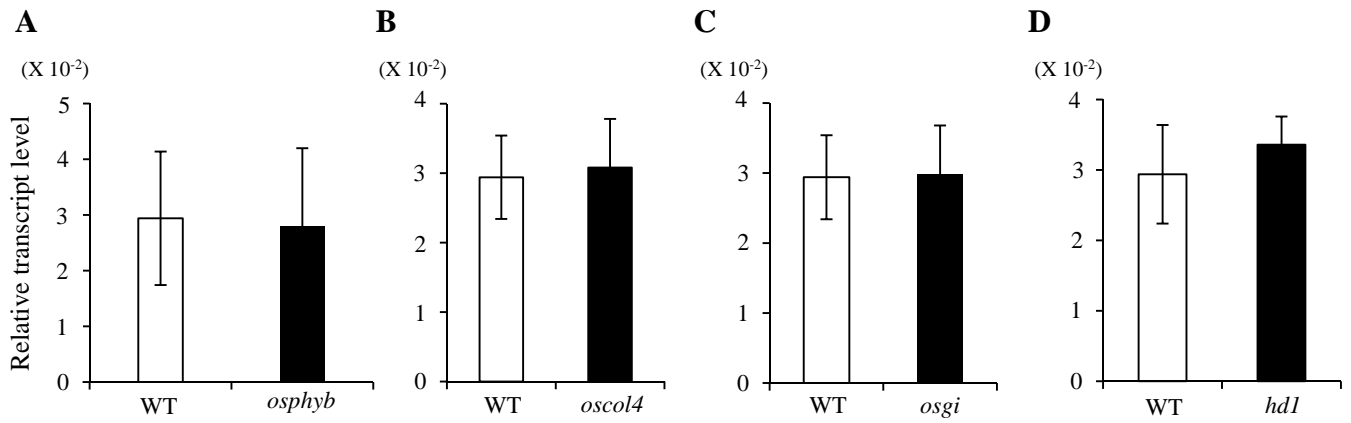


**Supplementary Fig. S1.** Independent biological replicates of diurnal expression patterns of floral regulators in leaf blades of WT and *hdt701-1* plants at 49 DAG under LD. Quantitative RT-PCR analyses of *HDT701* (A), *Hd3a* (B), *RFT1* (C), *Ehd1* (D), *OsGI* (E), *Hd1* (F), *IDS1* (G), *SNB* (H), *OsCOL4* (I), *OsLFL1* (J), *OsLF* (K) and *OsPhyB* (L). Close circles, WT; open circles, *hdt701-1*. y-axis, relative transcript level of each gene compared with that of rice *Ubi*. Error bars indicate standard deviations;  $n = 4$  (technical replicates). Levels of significant difference are indicated by \* ( $P < 0.05$ ), \*\* ( $P < 0.01$ ), and \*\*\* ( $P < 0.005$ ).



**Supplementary Fig. S2.** Independent biological replicates of diurnal expression patterns of floral regulators in leaf blades of WT and *hdt701-1* plants at 28 DAG under SD. Quantitative RT-PCR analyses of *HDT701* (A), *Hd3a* (B), *RFT1* (C), *Ehd1* (D), *OsGI* (E), *Hd1* (F), *IDS1* (G), *SNB* (H), *OsCOLA* (I), *OsLFL1* (J), *OsLF* (K) and *OsPhyB* (L). Close circles, WT; open circles, *hdt701-1*. y-axis, relative transcript level of each gene compared with that of rice *Ubi*. Error bars indicate standard deviations;  $n = 4$  (technical replicates). Levels of significant difference are indicated by \* ( $P < 0.05$ ), \*\* ( $P < 0.01$ ), and \*\*\* ( $P < 0.005$ ).



**Supplementary Fig. S3.** Independent biological replicates of expression levels of *HDT701* in *osphyb* (A), *oscol4* (B), *osgi* (C), and *hdl* (D). Total RNAs were isolated from leaf blades at 42 DAG under LD. Error bars display standard deviations;  $n = 4$  (technical replicates).

**Supplementary Table S1.** List of primers used in this study.

<b>Name</b>	<b>Sequence (5'-3')</b>	<b>Purpose</b>	
<i>Ubi_RT_F</i>	TGAAGACCCTGACTGGGAAG	qRT-PCR	
<i>Ubi_RT_R</i>	CACGGTTCAACAACATCCAG		
<i>HDT701_RT_F</i>	TAGCTCCGCCTCCCACCT		
<i>HDT701_RT_R</i>	CCGGCTGGGAAACTTTGTAG		
<i>OsGI_RT_F</i>	TGGAGAAAGGTTGTGGATGC		
<i>OsGI_RT_R</i>	GATAGACGGCACTTCAGCAGAT		
<i>Hd1_RT_F</i>	AACCAAGATCGGCAGTATGG		
<i>Hd1_RT_R</i>	GATTGATTGCTCCAGCAGGT		
<i>Ehd1_RT_F</i>	GTTGCCAGTCATCTGCAGAA		
<i>Ehd1_RT_R</i>	GGATGTGGATCATGAGACAT		
<i>Hd3a_RT_F</i>	AGCCCAAGTGACCCTAACCT		
<i>Hd3a_RT_R</i>	GTTGTAGAGCTCGGCGAAGT		
<i>RFT1_RT_F</i>	TGACCTAGATTCAAAGTCTAATCCTT		
<i>RFT1_RT_R</i>	TGCCGGCCATGTCAAATTAATAAC		
<i>OsCOL4_RT_F</i>	ATCCACTCGGCGAACCCGCT		
<i>OsCOL4_RT_R</i>	CGCTTCTCCCTGTACCGCAT		
<i>OsPhyB_RT_F</i>	ATGGAACAGACACAATGCTT		
<i>OsPhyB_RT_R</i>	AGCATAACCATATCAGCTT		
<i>OsIDS1_RT_F</i>	CTGGCCTCCAGTTAACTTGT		
<i>OsIDS1_RT_R</i>	GGCGCCGGCAGAGAATCCT		
<i>OsLF_RT_F</i>	AACCCTAGGGAATGGCAATG		
<i>OsLF_RT_R</i>	CGCCCAAATGCAAGTACAGT		
<i>OsLFL1_RT_F</i>	CAAAATGCACAACCTCTGGACC		
<i>OsLFL1_RT_R</i>	ACCACTTCCCTGTCAGTCTCAC		
<i>SNB_RT_F</i>	ATGGAAGGGAAGCTGTTAC		
<i>SNB_RT_R</i>	AATGTGGATGCTGGGACATC		
<i>OsIDS1_P1_F</i>	CACGATTTCCCTCCCTAACTA		ChIP
<i>OsIDS1_P1_R</i>	GCCCTGTTTAGTTCCCAAAT		
<i>OsIDS1_P2_F</i>	ACACATCCTAAAACGGCTGC		
<i>OsIDS1_P2_R</i>	CCATTGCCCTCCACTTCAAC		
<i>OsIDS1_P3_F</i>	ACTATCCAACAAGAGGGTAC		
<i>OsIDS1_P3_R</i>	GACACATGGCCATTCATATC		
<i>OsIDS1_P4_F</i>	CGGAAGCTCTAAAGAACGTT		
<i>OsIDS1_P4_R</i>	GACGTTGTCAAGGTGGTTAT		
<i>OsIDS1_P5_F</i>	CCTCTTCTTCTTCATCCAAC		
<i>OsIDS1_P5_R</i>	AGTGAGTCGTCGTCAGTCGA		
<i>SNB_P1_F</i>	GAAACTACACCGGTGGATAT		
<i>SNB_P1_R</i>	TGACATGATGTATCTGCAGG		
<i>SNB_P2_F</i>	GTTTGCTCCTTTGATATTTATA		
<i>SNB_P2_R</i>	TGAAGTCTAACTCAGCTTCTG		
<i>SNB_P3_F</i>	GGAATATTATGGAATGGTGGAA		
<i>SNB_P3_R</i>	TAAGCTAACGGGCAAACGAT		
<i>SNB_P4_F</i>	AGCCAACAATGCTAGCTTAG		
<i>SNB_P4_R</i>	TCGACTTATAACACGGTTGG		
<i>SNB_P5_F</i>	GCAATGTCGAGTGGAAAATAC		
<i>SNB_P5_R</i>	CTTGAAAGAGTTTGATTTTGACC		
<i>SNB_P6_F</i>	ACCTGAAGCAGTTTAACTTTGAT		
<i>SNB_P6_R</i>	GAGTGTGCTATGCTTTGTTG		
<i>HDT701_OX_HindIII_F</i>	<u>AAGCTTTAGCTCCGCCTCCCACCT</u>	Transgenic plants	
<i>HDT701_OX_SpeI_R</i>	<u>ACTAGTCTTGGCGGGGTGCTTGGC</u>		
<i>HDT701_CRISPR_F</i>	<u>GGCAAAGATCATTCCAGCTCCCA</u>		
<i>HDT701_CRISPR_R</i>	<u>AAACTGGGAGCTGGAATGATCTTT</u>		