Supplementary Materials – Yoon et al. (2021)

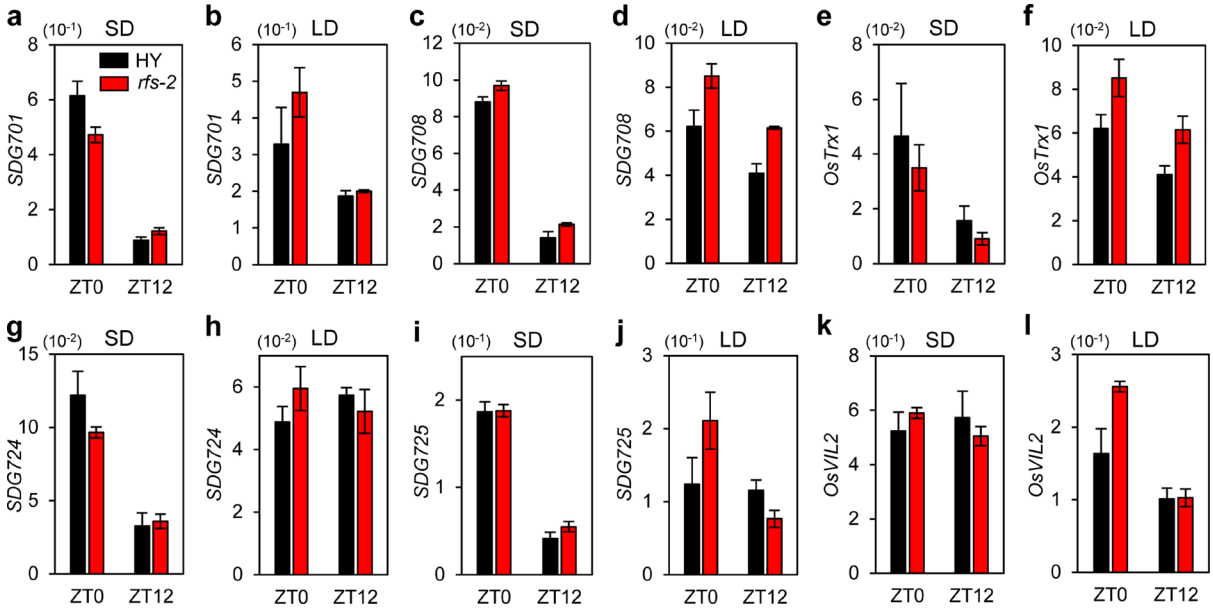

Figure S1. Expression level of epigenetic regulators of rice flowering in the *rfs-2* mutant.

Total RNA was isolated at ZT0 and ZT12 from the leaf blades of HY and *rfs-2* plants grown in the growth chambers for 4 weeks and 8 weeks in SD (**a**,**c**,**e**,**g**,**i**,**k**) and LD (**b**,**d**,**f**,**h**,**j**,**l**) conditions, respectively. Transcript levels of *SDG701* (**a**,**b**), *SDG708* (**c**,**d**), *OsTrx1* (**e**,**f**), *SDG724* (**g**,**h**), *SDG725* (**l**,**j**), and *OsVIL2* (**k**,**l**) were determined by RT-qPCR and normalized to that of *OsUBQ5* (*LOC_Os01g22490*). Means and standard deviations were obtained from three biological replicates. Experiments were repeated three times with similar results. ZT, zeitgeber time (hours after dawn). HY, Hwayoung cultivar, which is the parental line of the *rfs-2* mutant.

Table S1. List of primers used in this study.

	Primer name	Forward primers (5'→3')	Reverse primers (5'→3')
RT-qPCR	*Ubiquitin 5*	ACCACTTCGACCGCCACTACT	ACGCCTAAGCCTGCTGGTT
	RFS	CGTCTCTCTCTCCCCAAGGA	CAGGGAGGAAGCTTGCTGAA
	Hd3a	CTTCAACACCAAGGACTTCGC	TAGTGAGCATGCAGCAGATCG
	RFT1	TGACCTAGATTCAAAGTCTAATCCTT	TGCCGGCCATGTCAAATTAATAAC
	Ehd1	GTTGCCAGTCATCTGCAGAA	GGATGTGGATCATGAGACAT
	Hd1	TCAGCAACAGCATATCTTTCTCATCA	TCTGGAATTTGGCATATCTATCACC
	OsGI	ATCGTTCTGCAGGCCGAGA	TCACCAATGCTTCTGGGCTAT
	Ghd7	AGGTGCTACGAGAAGCAAATCC	GGGCCTCATCTCGGCATAG
	Ehd2	CGACGACAATAGCTCGATCGC	GTGCATGGTCACGGAGCCTT
	Ehd3	GGACCACCTCGTCACCTACAA	CGCCGTTGGCCATGAG
	OsFKF1	ATGGCACAGTTCATGTACCCTGGA	TCCTTGGTGAGGTCAAGCAGGAAT
	OsELF3	ACCACTTCGACCGCCACTACT	ACGCCTAAGCCTGCTGGTT
	SDG701	CACAAGAGCGAGTCTATGGC	GCATCCATCATTGGAGTACC
	SDG708	GAATGTTGTGGGTATCTGTG	CTTATCTCGTCGTACAGGCT
	OsTrx1	GGTCACATCAGAAGATGGAA	CACCATAGCATCTAGCATGTA
	SDG724	CTGTGGACTTTGATCTGCCG	GGATGATCCAGAAGGGGTAC
	SDG725	CCTATTGACAGTGAGCACAT	AGCATTGTCACCTTCCGCTG
	OsVIL2	GATGCGTGGCTGAAGTCAAAC	GCAGCTTCTTTCAGTACCAC
ChIP	*Ehd1*_P1	GACCGAACCCGACCCGTTT	GTGTATGCGATTGCGCGCTT
	*Ehd1*_P2	GCCGTCCACAACCTGAGTTA	GCTAGCTAGGTAAGGAAGAA
	*Ehd1*_P3	CGTCATGATCATATCAACGG	GTAAATACTATATACGACAGG
	*Ehd1*_P4	CTGTGTCTAGCTTGCACTAC	TGCATGATGCATGGAATGCG
	*Ehd1*_P5	CACCGAGAGCTGTGGCCTTA	AGAAGTAAATCTTCCATGACTGACA
	*Ehd1*_P6	TCATCGATGACGACTGTTCA	TATATAATCTTAATTCGCATC
	*Ehd1*_P7	ACTACACACGTGTCCATGCA	ACTGACTGAACTTAAATAGTAG
	*Ehd1*_P8	AAAGATGATCAGCTCTGTGG	TACCCTCCAAGACTTCGATT
	*Ehd1*_P9	AACCCCATCTACAACTGGCT	AACACTTCACTAGAGCAGCCC
	*Ghd7*_P1	ATGGGTAGTGAAGTCCAGCC	TCTGTGGATGGATTTGGTCC
	*Ghd7*_P2	ATCCCCAACTTGCCCTGTCT	TAGCTATAGCAGGTGAGGTC
	*Ghd7*_P3	TCATGTCGATGGGACCAGCA	GGAAGACGAAGGGGAATCCA
	*Ghd7*_P4	GCCTGGCTGTTCGATGACTA	AGGGAGACGTCGAACGTGA
	*Ghd7*_P5	CATACGGATCCAGCCTCTGT	ACTCGAAAAGCACACGCGAC
	*Ghd7*_P6	CGATGATTAATTGTATTCGAGC	TCAAGCTCTCCCCATCATCG
	*Ghd7*_P7	TGATCAGGAAGCTGTCGCAC	TAGTCAGTGGTATATACGCAC
	Hd3a	TTGTGGTTGGTAGGGTTG	AAGGGTGTAGAATGTCCTCATG
	OsLF	CAGCATTTTTGGTTGGGAGT	ACCCGAAGGCGTCCATGT