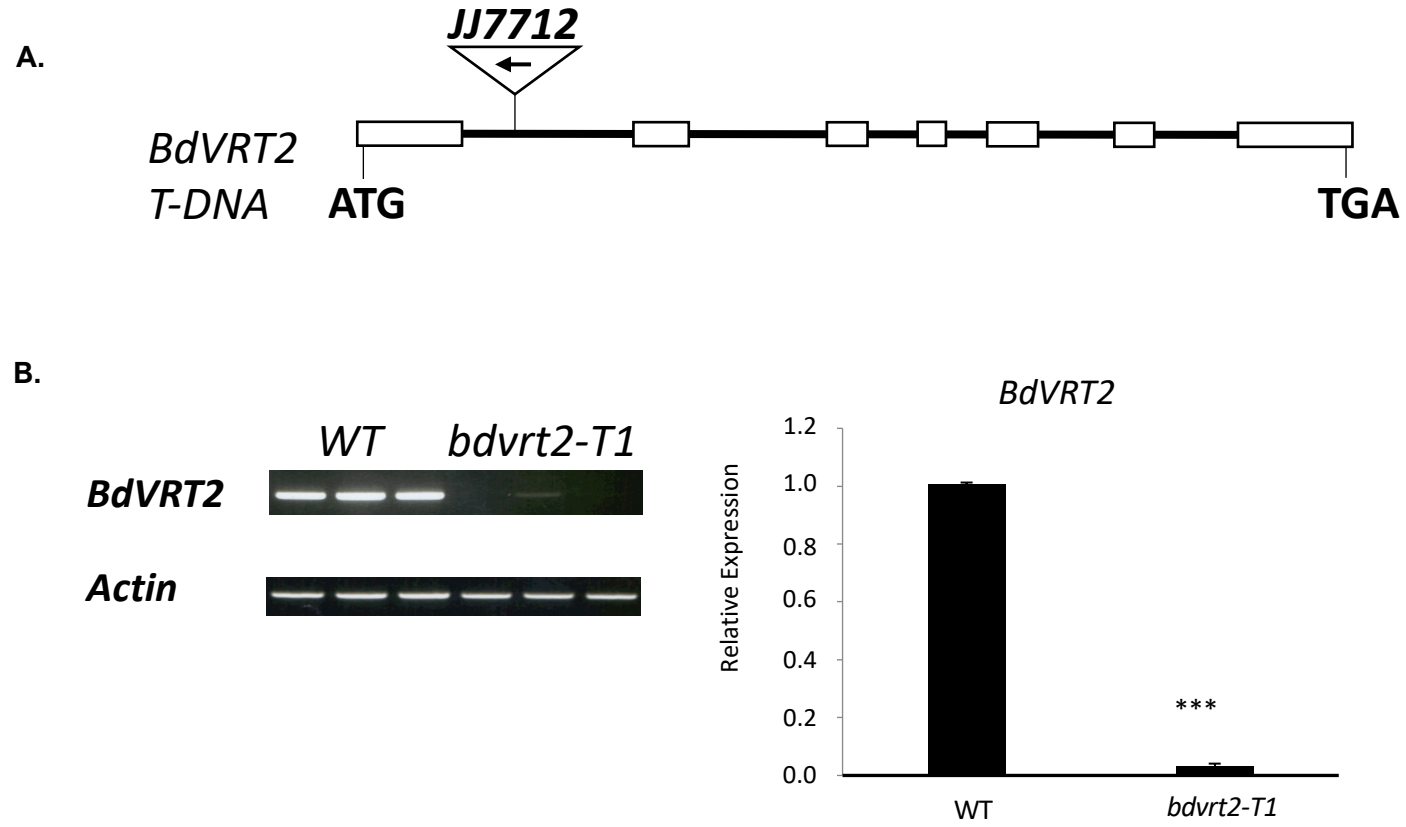
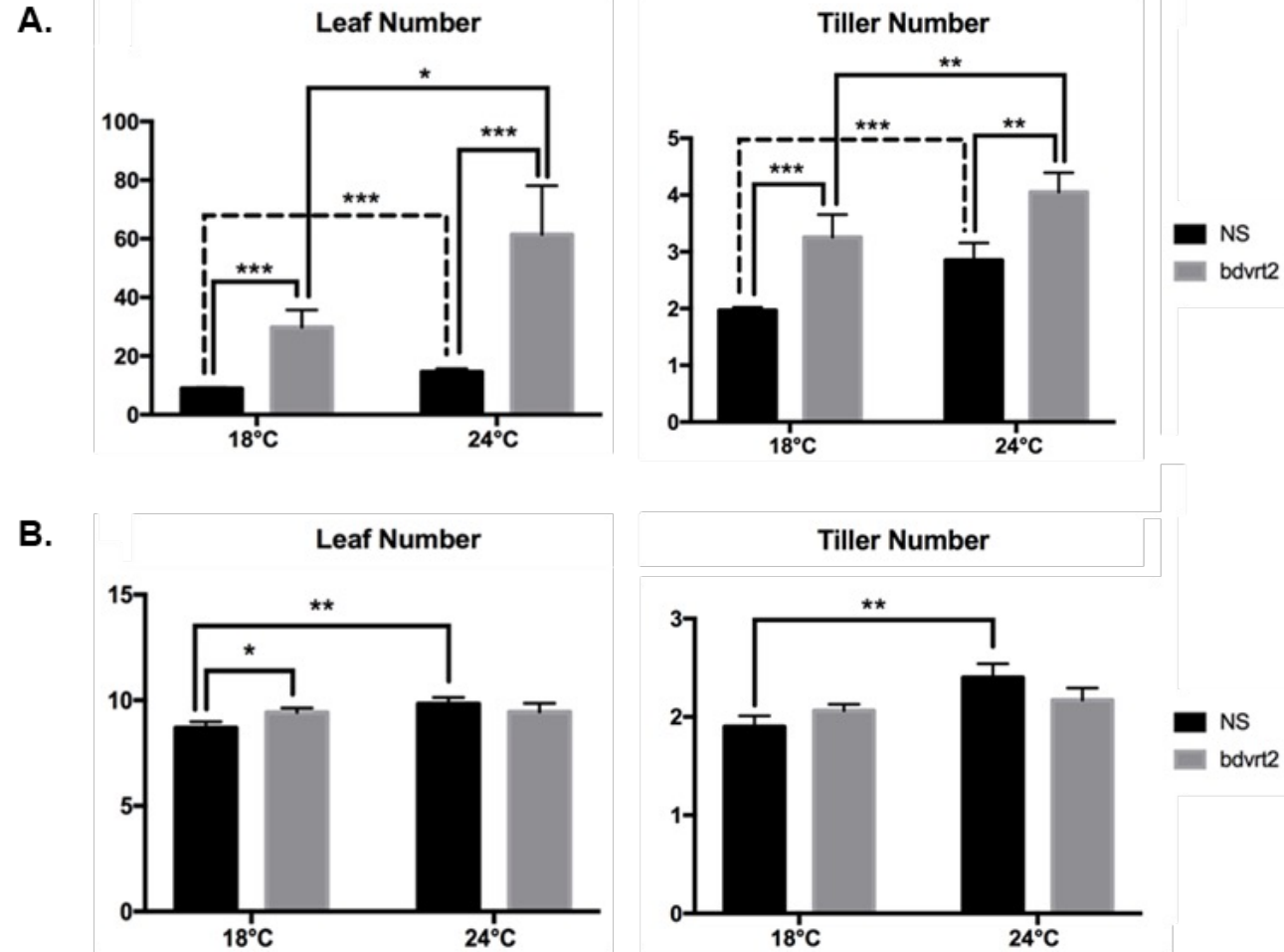


Fig. S1



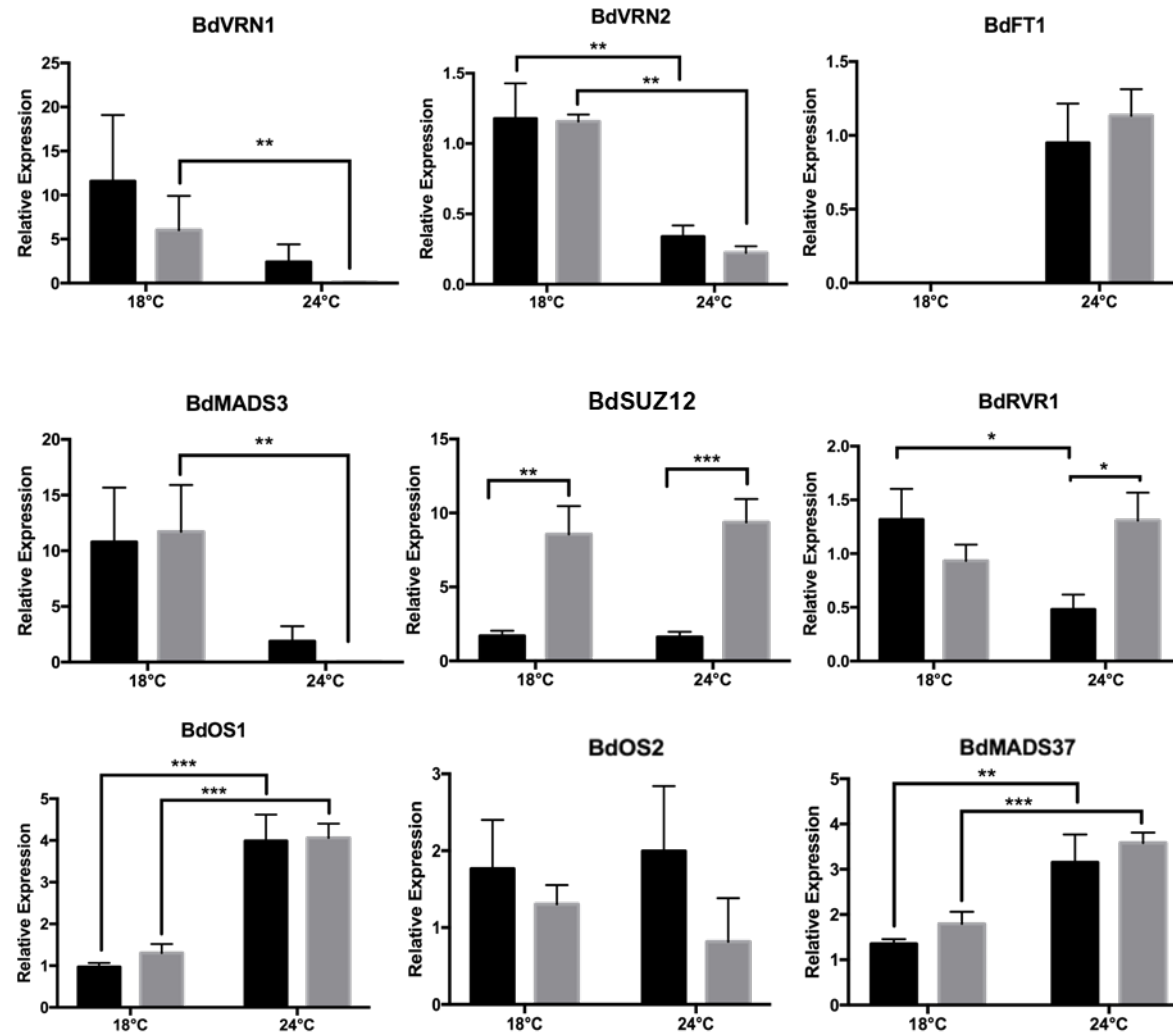
Supplementary Figure S1. T-DNA insertion model and expression of *BdVRT2* after 3 weeks of growth.

Fig. S2



Supplementary Figure S2. Leaf and tiller numbers of *bdvrt2* mutants and NS lines grown at 18°C or 24°C after incomplete or complete vernalisation. A. incomplete 2-week vernalisation or B. complete 4-week vernalisation. Leaf number is total leaf number at flowering time. Asterisks indicate the adjusted p-value from a Bonferroni-corrected Kruskal Wallis test: * = $p < 0.05$; ** = $p < 0.01$; * = $p < 0.001$. Error bars represent SEM.**

Fig. S3



Supplementary Figure S3. Key regulators of flowering time are differentially expressed in *bdvrt2* mutants at the three-leaf stage. Black bars = segregating null siblings; grey bars = *bdvrt2* T-DNA mutants. Five biological replicates were used for each time point. Whole seedlings (minus roots) were used. *BdFT1* was not detected at 18°C. Asterisks indicate the p-value from Student's *t* test of normalised data: ** = $p < 0.01$; *** = $p < 0.001$. Error bars represent SEM.

Table S1. Primers for CRISPR edit genotyping and qPCR

Primer name	Primer sequence (5'-3')
CRISPR genotyping	
BdVRT2.F	ACCTATCTATTTTCAGGTCCGGC
BdVRT2.R	CACGCGCATATGTGAGATCG

qPCR	
Bd21-3.UBC18.F	GTCGACTTCCCCGAGCATT
Bd21-3.UBC18.R	ATAGGCGCCGGGTTGAG
Bd21-3.VRN1.F	ATCCGCCTAATGGCACAGCA
Bd21-3.VRN1.R	AATCGAGACACGAACCCAGCC
Bd21-3.VRN2.F	GAACCGGCCACTCATGGAT
Bd21-3.VRN2.R	CACCGAATGGCATGATGGT
Bd21-3.FT1.F	GCGAGCTCAAGCCTTCCAT
Bd21-3.FT1.R	CGAGTGTATAGAAGGTCTCATCTCA
Bd21-3.OS1.F	CCGGCAAGCTCTACGAGTACTC
Bd21-3.OS1.R	GCTCCCGCAAATTGCTGAT
Bd21-3.OS2.F	AAATCCAAGATATTGGCAAAACG
Bd21-3.OS2.R	CCTTAGGCTCACTGGAGTTCTCA
Bd21-3.MADS37.F	CAATCTGAGGATGAAGGTGTCACA
Bd21-3.MADS37.R	GCTTGACAAGTTGTTGCTTTCT
Bd21-3.VRT2-2.F	GCCAATGGTGGCAAATACGG
Bd21-3.VRT2-2.R	ACCCCTCAAGTTCCTCACCT
Bd1-1.UBQ.5.F	CGCCGACTACAACATCCAG
Bd1-1.UBQ.5.R	TCACCTTCTGTGCTTGTGC
Bd1-1.CDCP.478F	CTGAGCAAAACCAATGGGCA
Bd1-1.CDCP.604R	CAGGCAGCCTGCGGTATTTA
Bd1-1.VRN1.q.F	GCTCTGCAGAAGGAACTTGTGG
Bd1-1.VRN1.q.R	CTAGTTTGCGGGTGTGTTTGCTC
Bd1-1.RVR1.q.F	TGCACGTTCACTGATCATG
Bd1-1.RVR1.q.R	TTACCAACGCAAAGCTTCCC