

Table S1. Primers sequence.

Primer name	primer sequence (5'→3')	application
<i>VvJAZ13</i> -F	tttgagaggacacgctcgagATGACATGCAGTCTGGAAGGAAA	pART-CAM- <i>VvJAZ13</i> -
<i>VvJAZ13</i> -R	gcccttgctcaccatgaattcCTTTGGAGATTTGGCAGCCA	EGFP
<i>VvJAZ13</i> -F	aggccgaattcccggggatccttATGACATGCAGTCTGGAAGGAAA	pGBKT7-
<i>VvJAZ13</i> -R	ccgctgcaggtcgacggatccTACTTTGGAGATTTGGCAGCC	<i>VvJAZ13</i>
<i>VvJAZ13</i> -F	CCGAATCGCTCCGCCAGAC	qRT-PCR
<i>VvJAZ13</i> -R	GCCGGAACCCCCAGCAGATC	qRT-PCR
<i>VvCBF1</i> -F	AACCCAACTGCACCATCTTC	qRT-PCR
<i>VvCBF1</i> -R	CATCATCCCAGCTGAATCCT	qRT-PCR
<i>VvCBF2</i> -F	ATGGACTTGGACCGTGAGTC	qRT-PCR
<i>VvCBF2</i> -R	ATCGGGAAAATTGAGGGAAG	qRT-PCR
<i>VvCBF3</i> -F	CCCTCATCCTCCTCTTCCTC	qRT-PCR
<i>VvCBF3</i> -R	TCCCCAGCTGAAGATGACTT	qRT-PCR
<i>VvICE1a</i> -F	GCAATGCCGGTCAGAATCAC	qRT-PCR
<i>VvICE1a</i> -R	AACACGAAGACGACGAGTCC	qRT-PCR
<i>VvICE1b</i> -F	CCAGCAAGGGTGGAGGTAAG	qRT-PCR
<i>VvICE1b</i> -R	AGCCTGCTGGATGTCCAATC	qRT-PCR
<i>VvICE1c</i> -F	TGTCTCAGAGTCAGAGCGGA	qRT-PCR
<i>VvICE1c</i> -R	ACCCACAAACCATCGAGGAC	qRT-PCR
<i>VvF-box</i> -F	tttgagaggacacgctcgagATGATAGAACTGAAGAAGTCCAGTCTAA	pGADT7-
<i>VvF-box</i> -R	gcccttgctcaccatgaattcAAAAGTAGGCAAGTAGTCGTCGTCT	<i>VvF-box</i>
<i>VvTIFY5A</i> -F	gtgggcatcgatacgggacatcttATGGAGTTTACCCCCAATCTAAGA	pGADT7-
<i>VvTIFY5A</i> -R	cagctcgagctcgatggatccTTAATGATTGTATGGGGACATAGCTT	<i>VvTIFY5A</i>
<i>VvAGD13</i> -F	gtgggcatcgatacgggacatcttATGGCGACAGGAATTTTCGG	pGADT7-
<i>VvAGD13</i> -R	cagctcgagctcgatggatccTCATGAAGAGTCAGATGATTTAATTCTTC	<i>VvAGD13</i>
<i>VvTIFY9</i> -F	tttgagaggacacgctcgagATGGAGAATTTGTTGGGTCTTCTC	pGADT7-
<i>VvTIFY9</i> -R	gcccttgctcaccatgaattcAAACAGTCCCCTGCAGCCTG	<i>VvTIFY9</i>
<i>Vvbch1</i> -F	gtgggcatcgatacgggacatcttATGTCGAGAGCCGCCATGG	pGADT7-
<i>Vvbch1</i> -R	cagctcgagctcgatggatccCTAGGCCCGGAACAGCTCC	<i>Vvbch1</i>
<i>PGADT7</i> -F	GGAGTACCCATAGGACGTACC	pGADT7
<i>PGADT7</i> -R	TATCTACGATTCTZTCTGCAGC	pGADT7
<i>AtCBF1</i> -F	GAGACGATGGTGGAAAGCTATTT	qRT-PCR
<i>AtCBF1</i> -R	AGCATGCCTTCAGCCATATTA	qRT-PCR
<i>AtCBF2</i> -F	GACCTTGGTGGAGGCTATTT	qRT-PCR
<i>AtCBF2</i> -R	ATCCCTTCGGCCATGTTATC	qRT-PCR
<i>AtCBF3</i> -F	GACGTTGGTGGAGGCTATTT	qRT-PCR
<i>AtCBF3</i> -R	AGCATCCCTTCTGCCATATTAG	qRT-PCR
<i>AtICE1</i> -F	CTTCCATCCGTTGACACCTAC	qRT-PCR
<i>AtICE1</i> -R	CTCTAGCTTGCTGGCCTTTAG	qRT-PCR
<i>EGFP</i> -F	ACTATCCTTCGCAAGACC	positive identification
<i>EGFP</i> -R	GGTCAGCTTGCCGTAGGT	

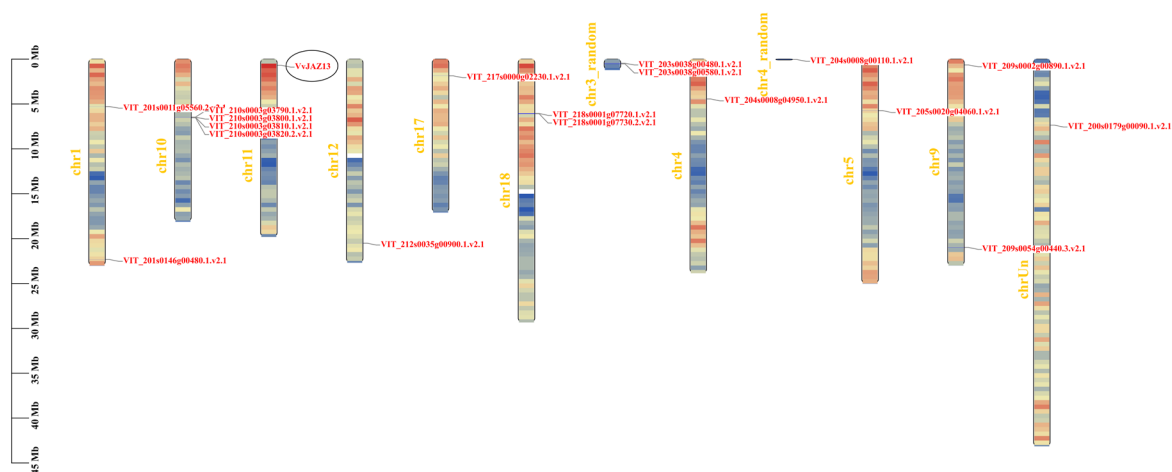


Figure S1. Chromosomal localization analysis of *VvJAZ13* gene in grape.

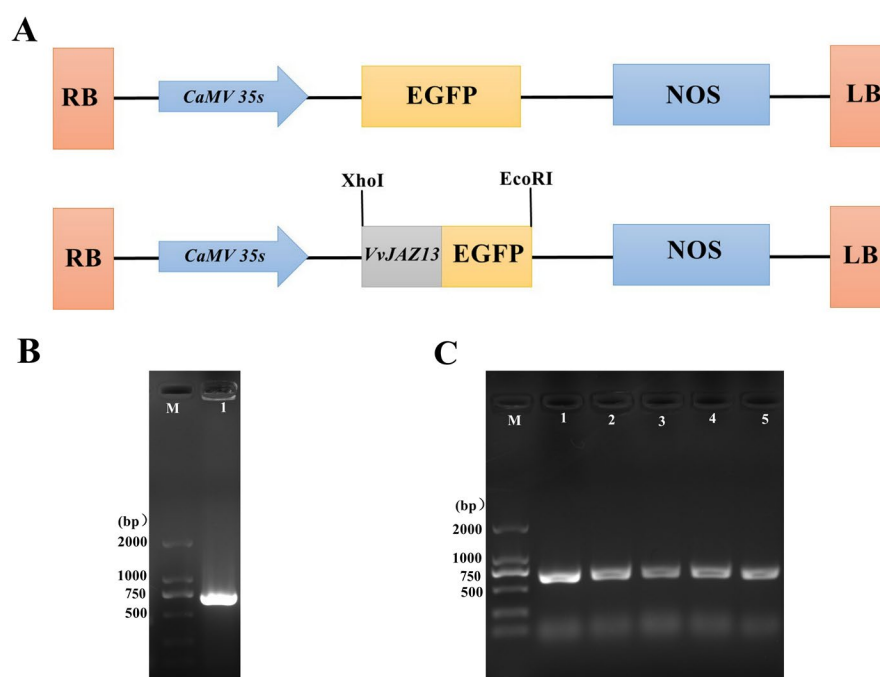


Figure S2. Cloning of *VvJAZ13* gene. (A) Empty plasmid and *VvJAZ13*-EGFP plasmid map. (B) Gene clone of *VvJAZ13*. (C) PCR detection of *Escherichia coli*. (C) PCR detection of *Agrobacterium*.

Note: M is DL 2000 Marker, 1Mel 5 is positive PCR products.

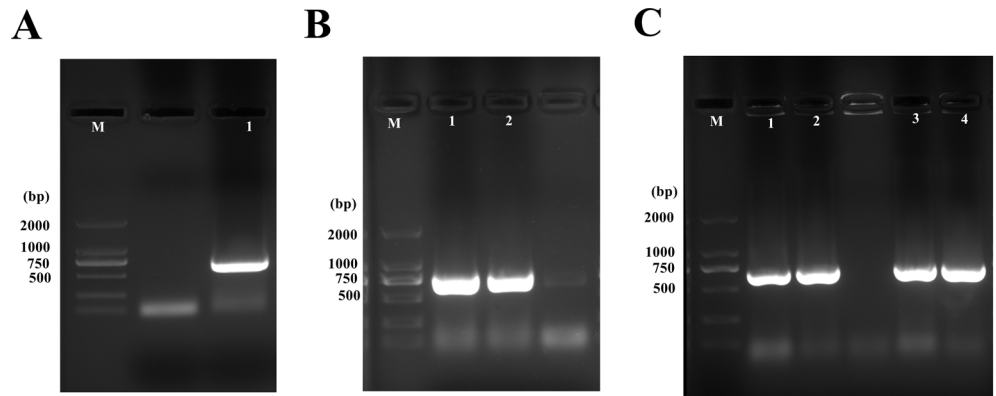


Figure S3. Cloning of *VvJAZ13* gene and construction of pGBKT7-*VvJAZ13* vector. (A) Gene clone of *VvJAZ13*. (B) PCR detection of *Escherichia coli*. (C) PCR detection of Y2H gold.

Note: M is DL 2000 Marker, 1Mel 5 is positive PCR products.

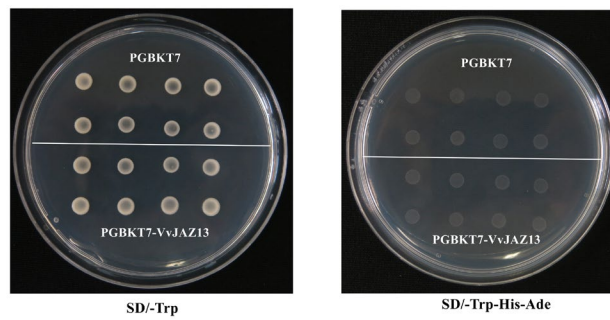


Figure S4. Transcriptional activation assays of *VvJAZ13*.

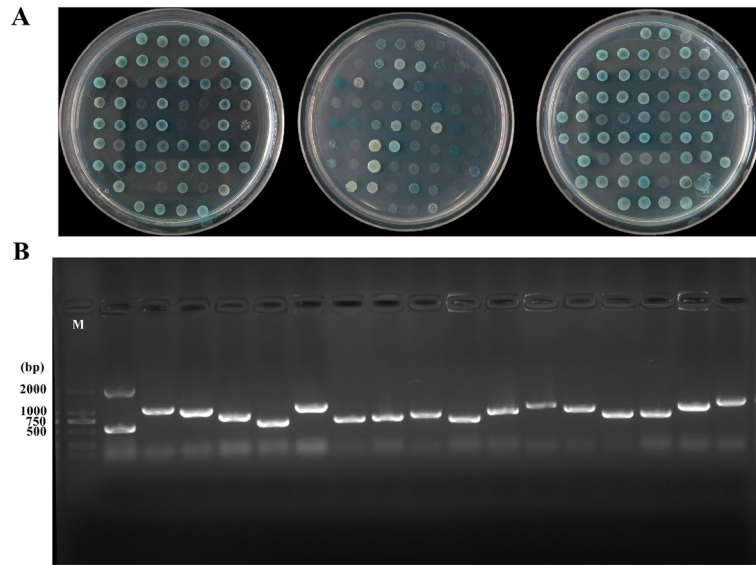


Figure S5. Screening of VvJAZ13-BD libraries. (A) VvJAZ13-BD partial library screening of cyanobacteria. (B) PCR detection plot.

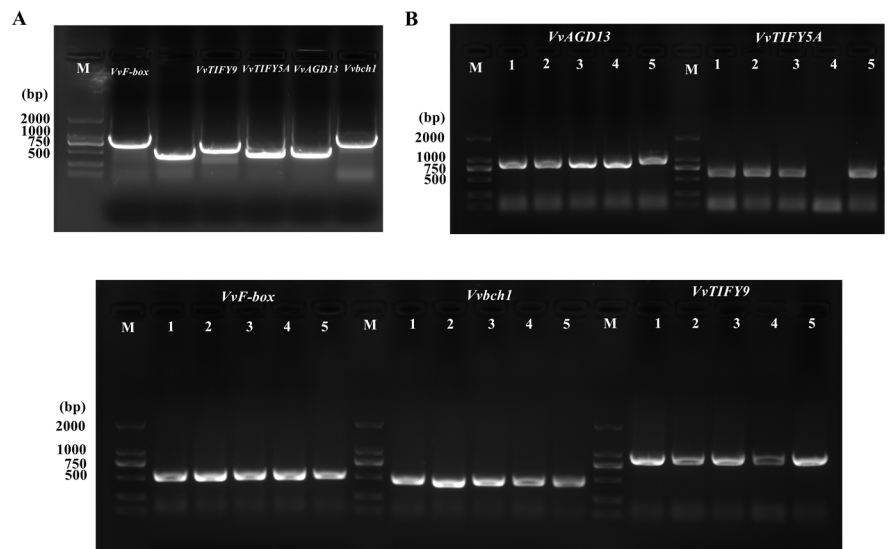


Figure S6. Cloning of VvJAZ13 potential interacting proteins and construction of vectors.

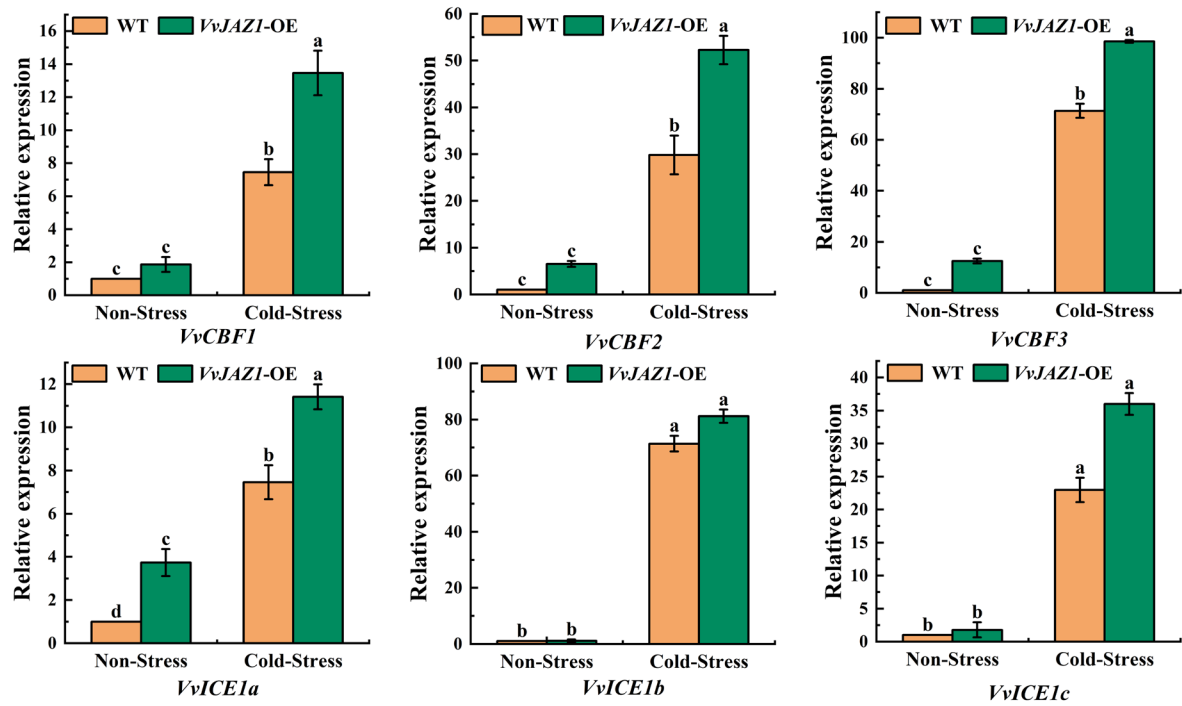


Figure S7. Expression of cold response gene *VvCBF1*, *VvCBF2*, *VvCBF3*, *VvICE1a*, *VvICE1b* and *VvICE1c* in transient transformation of *VvJAZ1* grape leaves.

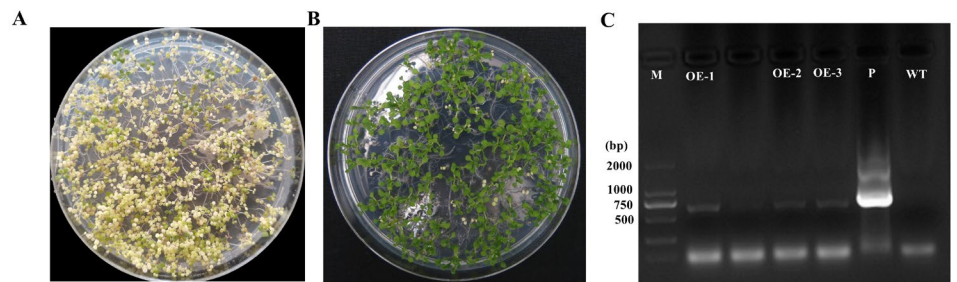


Figure S8. Identification of *VvJAZ13* transgenic *Arabidopsis*. (A) Screening of *T₀* *Arabidopsis* seeds in MS medium containing Kana resistance. (B) Screening of *T₂* homozygous *Arabidopsis* seeds in MS medium containing Kana resistance. (C) The positive detection of *Arabidopsis*.