

Table S1 Primers used in qRT-PCR Figure S1 Graphical Abstract

TableS1 Primers used in qRT-PCR

Name	Gene Number	Sense Primer (5'-3')	Anti Primer (3'-5')
Actin		ACTACCATCCACTCTATCACCG	AACACCTTACCAACAGCCTTG
1 allB	c123543.graphc0	AGACCCTCCAAAGCACTTCTA	GATTCCTTCAGGCACCAA
2 HIBCH	c120356.graphc0	GCACGAGTGTCTTCACAG	TTTGCTGCCTCACTTTCC
3 BCKDHA	c122233.graphc0	AAACCACGCCACAATAGGA	AAGCACAGAGGCAAGGGA
4 gdhA	c126860.graphc0	GGAAGACAGCAGTAGCCAACA	TGAGCAGCCCAAGAACCC
5 ALDH18A1	c122210.graphc0	CACAAGCCTTCCCATCAA	TTACATCAGGAGCCGTCAG
6 PAO2/3/4	c123304.graphc0	AGGTCATTCCGTCCTTGTTTA	AGCCGCCATCAGTCCAGT
7 PRPS	c121781.graphc0	AGCAACATTGTGCCCGTAA	GCCAAACTTGTAGCGAACCT
8 G6PD	c129827.graphc0	TGCTGCGGCTTTGTTTAT	GTGGCAAGATCACTGTTATGG
9 IDH1	c123222.graphc0	CGAAGTCCTAACGGCACA	TTCCACTGGCAAATCACC
10 GPX	c112498.graphc0	AATCTGTCCACGAGTTCACC	TTCCACTTTATGCTGTCCC
11 GST	c112252.graphc0	TGTGAGTCCCTCGTCATTGTCC	TGCTGCCTTCTTGGCTTCC
12 GST	c119253.graphc0	AAAGGTAGAATGGGATCAGGG	CTTGGGAGGCAATTATGGA
13 GST	c102135.graphc0	AAGGATCAGCAGGCAACAGA	CTCGGCGACAAGCCATAC
14 GST	c105671.graphc0	GAAGGGAATCCAATATGAAATG	CAGGGTTGTGCTCAAGAAGTA
15 GST	c105671.graphc1	TATGAAATGATACCGCAAGAAC	TTAGCCCAGAAACGAGCC
16 GST	c122443.graphc0	GAAACTGAAGGGAATCCAATA	GAACTTAGCCCAGAAACGAG
17 CYP85A2	c115136.graphc0	AAAGAGCAAGTTTGGGAGT	GGGAAGGTTTATGGGAAGTGA
18 CYP90A1	c112010.graphc0	CGAGCGTCCTTGAAGTGGT	GATTCCTTGGTGGCGTTGC
19 crtZ	c99806.graphc0	ATAAGGAAGCGTGCCAGAGCG	GAATGGAGTTTTGGGCGAGATG
20 NCED	c126206.graphc0	TCCGATAAATGAGGCGACAAT	GTTACCATCCCTGCTTCCA
21 ABA2	c125901.graphc0	CAGCATTAGCCACATCATCAG	TGTTTCGGGACTCACCAAG
22 CYP707A1	c120652.graphc1	AGAAATGTATTGGGTTTAGGTG	TTATCTTATCCCAGAAAGGT
23 CKX	c111548.graphc0	TTGTCAAATGCTGGAATTAGTG	TTGCCTTGGAGGGAGATG
24 LAR	c110095.graphc0	GGCAGCACCCCTTCTCTCT	GCCCTCAATAAATCCGTTC
25 LAR	c119207.graphc1	TATTCAGCCGTAGGTGGTG	GTTTAGATAATTGCATGGTGGTC
26 HCT	c116187.graphc0	TCACAATCCCACCCTTCATCG	GGAGCGGGCTGGTATTCTACG
27 IAA	c128076.graphc2	GGCGGAATCCAGAACAAT	ATCTCGACGCATCATAAAGTG
28 IAA	c122133.graphc1	GGCGGAATCCAGAACAAT	ATCTCGACGCATCATAAAGTG
29 GH3	c111137.graphc1	TGCTTCGTATTGGTGCCG	GTTGTGGGTTAGGTTTCAGGAT
30 TIR1	c113524.graphc0	TTTCGCAACCAGACAGCAC	GTTCCAGTACATTGGCACCC
31 SAUR	c102439.graphc0	TTTGTTGAAGGAGGCAGAGG	GGCAAGGGATGGTGTATGG
32 AHK2/3/4	c122606.graphc0	GGTTCTCACTGCTCCTTTCA	CCTCCACTTTGGCTATTTCG
33 ARR-B	c107755.graphc0	ACCATCCATGTCAGGCATAT	CCAAGTTACAACGACCAATC
34 ARR-A	c107605.graphc0	TTCCCCAAACAGTCATCA	TCCTTCTTCCAAGCATCT
35 ARR-A	c116928.graphc0	TAAACAGGAATTGGAGGTG	CTGCTTATCTTGAAGGGAC
36 PYL	c121430.graphc1	AGTTGATGTAAATCTGGGCTTCC	TGGGCTCGGTCCTGTCTTG
37 BSK	c122496.graphc0	CACGACCTAAATCCTTACAGAGT	GCGAGATACCCATCAAGACAT
38 BSK	c129050.graphc0	CCCCATCACTTGCTGCTCT	CAAATCCGATGTCTTCCACC
39 TGA	c126145.graphc0	CAGAAGCATCTCCTCCAACA	AACCAACTCCCTTCTCTTT
40 PR1	c119719.graphc1	CAGGTGGTATGGAGGAAGTGC	CCATTGTTGCACCGAGCC

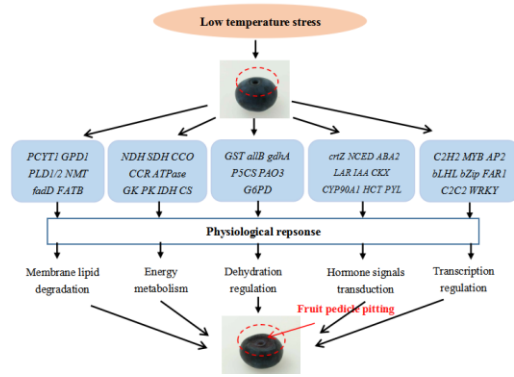


Figure S1 Graphical Abstract; the main mechanism in postharvest blueberries in response to cold stress