Table S1. List of all oligonucleotide primers list

Gene ID	Forward primer（5’-3’）	Reverse primer（3’-5’）
BVRB_5g122490	TTCAAGCCACTACCAATAGA	CTGTCCATATTCTCTTCTTCTC
BVRB_2g034660	GGACCTCTTACCAACTATACG	GAGTCTACGCTTGCTGTTAG
BVRB_7g177120	GAAGGAATTAGAGAAGGTCTTG	GAAGGTTGGTGTAGTCATCT
BVRB_7g170580	AGCCTACCCTAAAGATACATC	TTCCAATAAGCAGTCTCCAT
ACTIN	CAACAGAGAGAAAATGACGCAGA	CACCTGAATCCATCACAATACCA

Table S2. Corresponding gene names for the hormone heat map

	KWS1197	SX1512
AUX1	BVRB_1g000210	
	BVRB_2g024010	
	BVRB_5g111820	
	BVRB_9g214340	
AUX/IAA	BVRB_023030	BVRB_023030
	BVRB_4g082270	BVRB_4g082270
	BVRB_4g082260	BVRB_8g193910
	BVRB_5g120300	BVRB_8g196860
	BVRB_7g166630	BVRB_9g220380
	BVRB_8g193910	
	BVRB_8g196860	
	BVRB_9g220380	
	BVRB_9g221270	
ARF	BVRB_1g000500	BVRB_2g035870
	BVRB_1g002880	BVRB_4g084470
	BVRB_1g022070	BVRB_5g125780
	BVRB_2g035870	BVRB_6g145940
	BVRB_5g113390	BVRB_7g161770
	BVRB_5g125780	BVRB_9g208190
	BVRB_6g145940	
	BVRB_7g161770	
	BVRB_9g203750	
	BVRB_9g208190	
SAUR	BVRB_016810	BVRB_016810
	BVRB_1g022130	BVRB_008420
	BVRB_2g038100	BVRB_1g022130
	BVRB_7g177810	BVRB_7g177810
	BVRB_7g178730	BVRB_8g186700
	BVRB_8g190940	BVRB_9g213040
	BVRB_9g213080	BVRB_9g213080
	BVRB_9g213100	BVRB_9g213100
	BVRB_9g213110	BVRB_9g213110
	BVRB_9g213120	BVRB_9g213120
	BVRB_9g213140	BVRB_9g213140
	BVRB_9g223410	BVRB_9g223390
	BVRB_9g223420	BVRB_9g223410
	BVRB_9g223440	BVRB_9g223420
	BVRB_9g223450	BVRB_9g223430
	BVRB_9g223460	BVRB_9g223440
	BVRB_9g223470	BVRB_9g223450
	BVRB_9g223480	BVRB_9g223460

	KWS1197	SX1512
SAUR	BVRB_9g223500	BVRB_9g223480
	BVRB_9g224480	BVRB_9g223490
		BVRB_9g223500
		BVRB_9g224450
		BVRB_9g224520
DELLA	BVRB_4g073430	BVRB_2g024970
	BVRB_4g089940	BVRB_2g034300
	BVRB_4g092350	BVRB_4g073430
	BVRB_7g173610	BVRB_4g089940
	BVRB_7g173630	BVRB_4g092350
	BVRB_7g173640	BVRB_6g128680
	BVRB_7g173650	BVRB_7g173610
	BVRB_7g173660	BVRB_7g173640
	BVRB_8g184680	BVRB_7g173650
	BVRB_9g221600	BVRB_7g173660
		BVRB_8g184680
ETR	BVRB_3g056770	BVRB_9g207000
	BVRB_7g159660	
CTR1	BVRB_1g005600	BVRB_1g005600
	BVRB_4g071090	BVRB_3g056770
EIN3	BVRB_8g197040	BVRB_010860
	BVRB_9g207000	BVRB_4g071090
ERF1/2	BVRB_5g121060	BVRB_5g121060
JAZ	BVRB_3g068330	
	BVRB_7g169710	
	BVRB_8g188550	
	BVRB_8g190750	
TCH4	BVRB_013490	
	BVRB_013510	
	BVRB_1g009300	
	BVRB_2g040540	
	BVRB_5g110610	
	BVRB_5g110620	

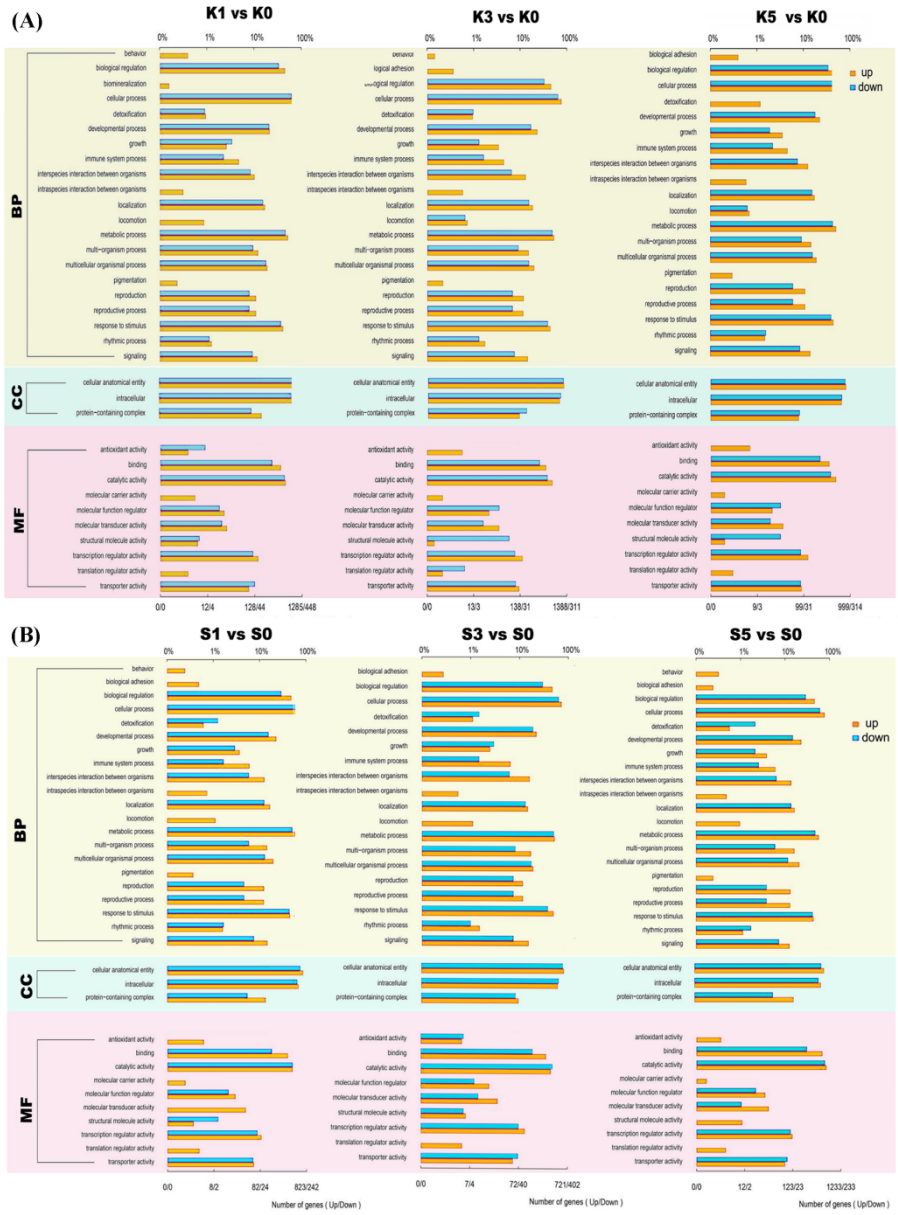


Figure S1. Gene Ontology (GO) functional annotation analysis of DEGs in groups between different freezing treatments of variety KWS1197 (A) and SX1512 (B).

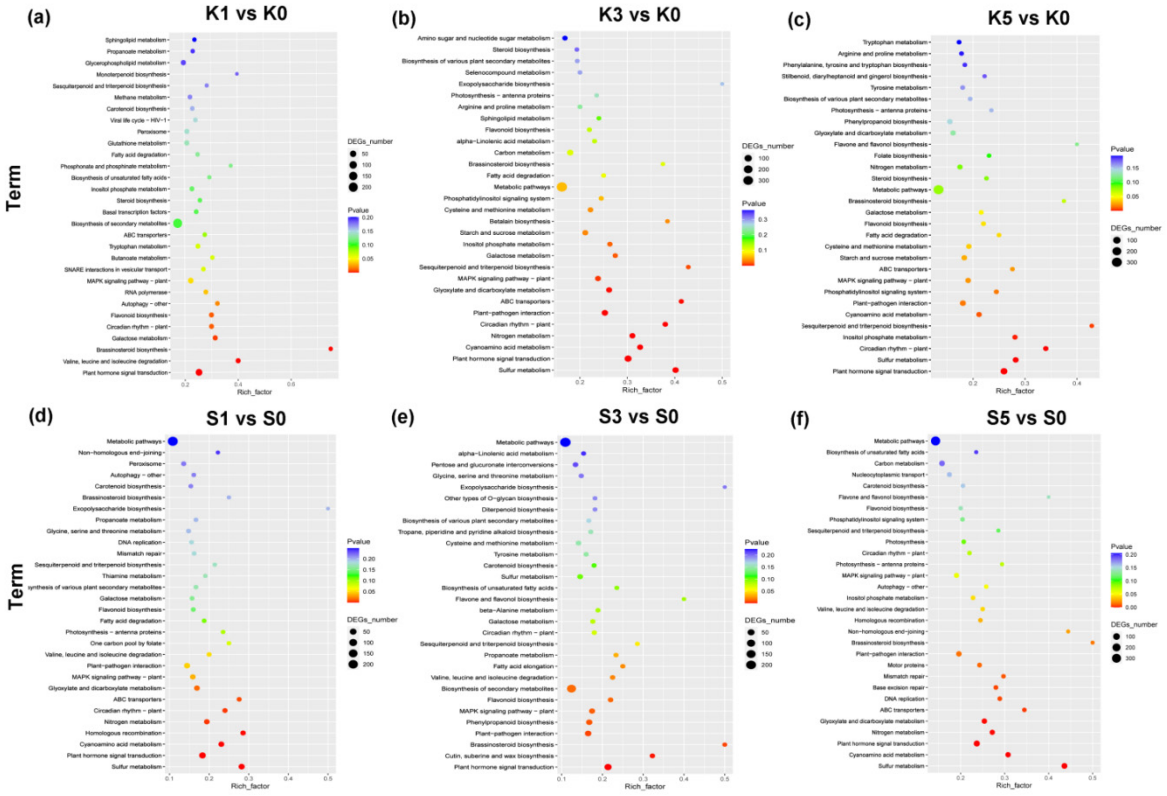


Figure S2. KEGG analysis of DEGs in groups between different freezing treatments of variety KWS1197 (a,b,c) and SX1512 (d,e,f).