

Supplementary data

Table S1. Primers for qRT-PCR.

Gene	Accession	Gene annotation	Forward primer	Reverse primer
name	numbers			
<i>SLActin</i>	Solyc11g065990	actin	GGGATGGAGAAGTTTGGTGGTGG	CTTCGACCAAGGGATGGTGTAGC
		hydroxymethylbilane		
<i>SIPBGD</i>	Solyc07g066470	synthase / uroporphyrinogen synthetase porphobilinogen	TTCTTCGCCTTGCCGTAAAT	CTTCCTCGTGTTCCTCAACTCTGAT
<i>SIHEMB1</i>	Solyc08g069030	synthase / delta-aminolevulinic acid dehydratase homocysteine	CCTTTGCCCATAGCTGCCTA	GCGATGTTTTCTCGCAGTGG
<i>SIHEME1</i>	Solyc10g007320	methyltransferase related	TGTGAAAAAGGGGAAAGTGGGT	AAGGAGAGCAGAGGGAGTCT
<i>SIHEMF1</i>	Solyc10g005110	coproporphyrinogen oxidase	TACAGTTGGTGCAAAGGGGT	TGTCACTGAACCACTAGCCA
<i>SIZIP1</i>	Solyc11g062020	zinc-iron transporter protein 1	GGCTCATAATGCTATAAACTCC	GGCACTTGAAATGGGTG
<i>SIZIP3</i>	Solyc01g087530	zinc-iron transporter protein 3	GAGTCATCCTCCCAATC	TGTATAAACCTGTGGC
<i>SLAAO3</i>	Solyc11g071580	Aldehyde oxidase / Retinal oxidase	TCTGACTGGAGAGACTGCCA	ACGACAAAGGGAAGAACCTGT
<i>SINCED1</i>	Solyc07g056570	Beta-carotene dioxygenase / 9-cis-epoxycarotenoid dioxygenase <i>NCED3</i>	TGTTGCAAACGCCGTTTAG	GCCGGTGGGTGTTACCTTTA
<i>SICYP707</i>		abscisic acid		
<i>A1</i>	Solyc04g078900	8'-hydroxylase / ABA 8'-hydroxylase	TGGCAGTGGTGTACATGCTT	CCAATGGGACTGGGAATGGT
<i>SICYP707</i>		Abscisic acid		
<i>A2</i>	Solyc08g005610	8'-hydroxylase 1-related	TCTCCCCGGTACACTCTTCA	GAATGACCCGAGCAAATCGC

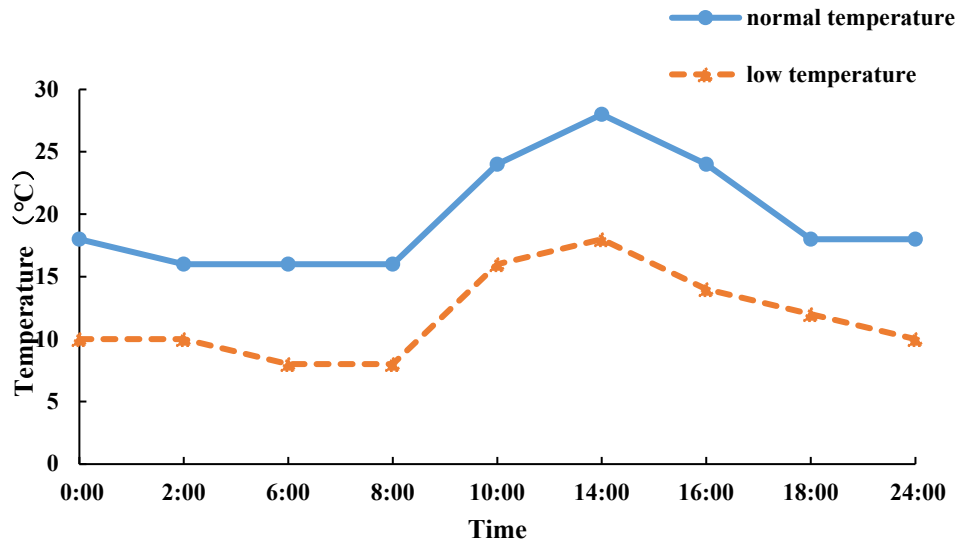


Figure S1. Temperature change in a day during the test.

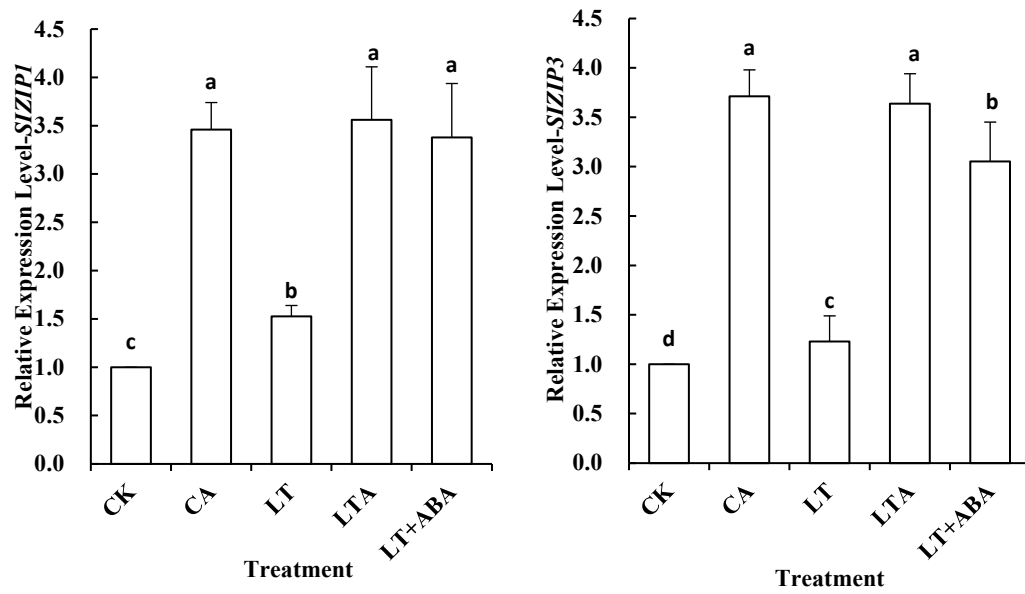


Figure S2. Effects of exogenous ALA and ABA on the expression levels of genes related to zinc-iron transporter.

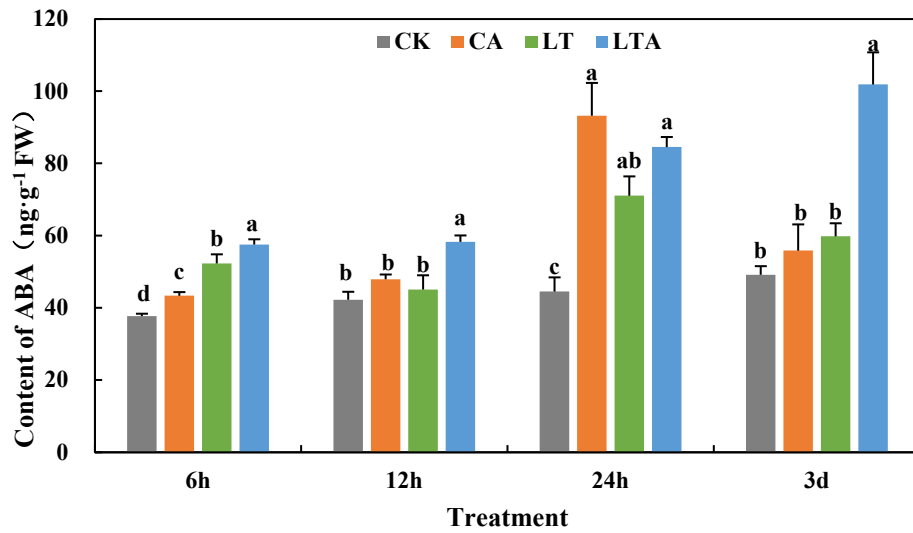


Figure S3. Effects of exogenous ALA on ABA content in tomato seedlings leaves.

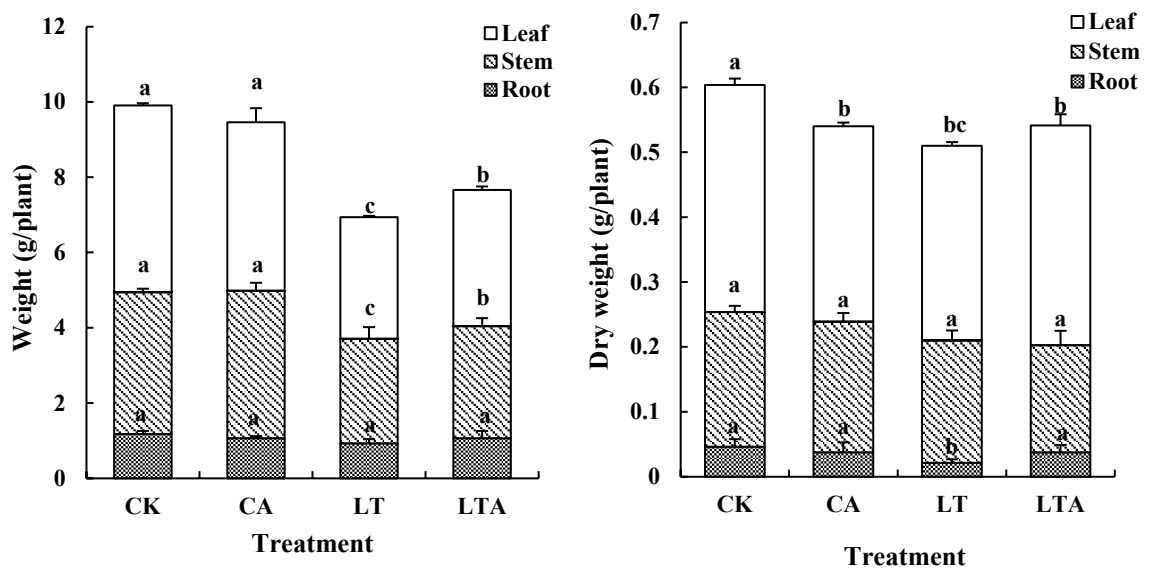


Figure S4. Effect of exogenous ALA on biomass accumulation of tomato seedlings.

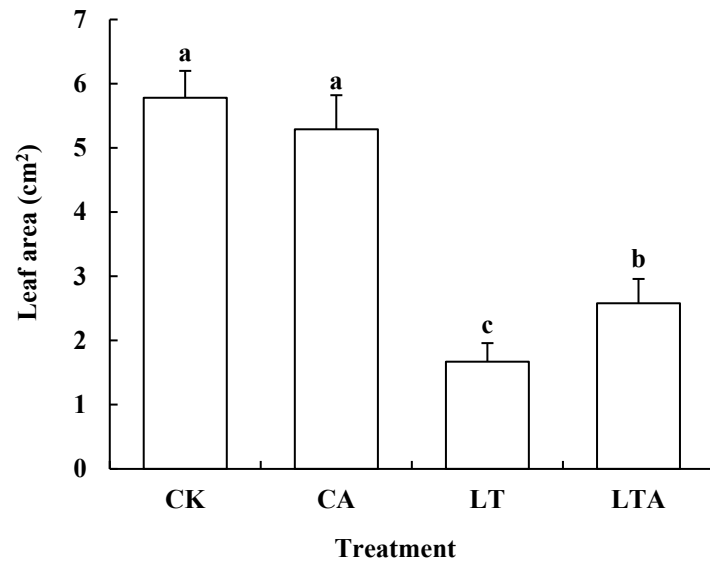


Figure S5. Effects of exogenous ALA on leaf area of tomato seedlings under low temperature stress.

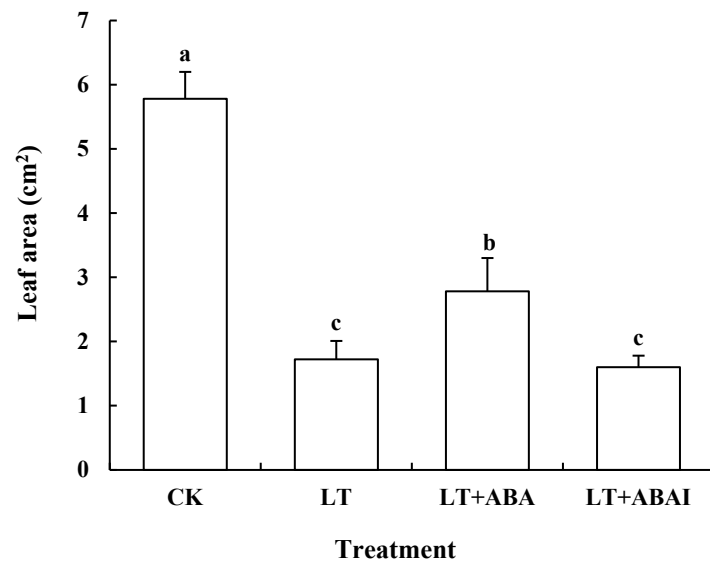


Figure S6. Effects of exogenous ABA on leaf area of tomato seedlings under low temperature stress.