

Supplementary Table S1. List of primers used in qRT-PCR of wheat and barley genes

	Gene	Primers type	Primer Sequence (5'-3')	Length
Wheat	<i>TaPAL</i>	F	CGAGCACGGGTTCTTTGAG	19
		R	CTCAGCAAGGACGGACAGA	19
	<i>TaPPO</i>	F	CCATACGATTGATTGACCTGT	22
		R	GAGAAGGACCACAAGCCGTA	20
	<i>TaCAD</i>	F	GCACGAGGCAAAGGCAAG	18
		R	TCGACGCTGCCCATTCTC	18
	<i>TaSKDH</i>	F	GCGCCTTGTCGAATTTGGAG	19
		R	AGAGTGCTGACTAGCCGGA	19
	<i>TaHKT1</i>	F	CTGTCGCTCTTCTGCGCCAT	20
		R	TTATACTATCCTCCATGCCT	20
	<i>TaHKT2</i>	F	GATCCACTCAACTTCTCCAC	20
		R	TCATACTTTCCAGGATTTAC	20
	<i>TaSOS1</i>	F	GTTGTCGGTGAGGTCGGAGGG	21
		R	TCATCTTCTCCTACCGCCCTGC	22
	<i>TaAKT1</i>	F	CGGATAATGCCGTGAATG	18
		R	TCTGTATCGGCGGTCGTA	18
	<i>TaNHX1</i>	F	CTCAAGGGTGACTACCAAGCA	21
		R	CCAATGCATCCATCCCGAC	20
	<i>TaWRKY10</i>	F	GGAGCGTCGTCTTCCCTATG	20
		R	CATAGCACCGATCCCTCCTC	20
	<i>TaACTIN</i>	F	GTGCCCATTACGAAGGATA	20
		R	GAAGACTCCATGCCGATCAT	20
Barley	<i>HvPAL</i>	F	CCCAAGTTTGGACTATGGCT	20
		R	ATCTTGTTGTGCTGCTCTG	20
	<i>HvPPO</i>	F	TCTACAACGAGAGGCGTGAC	20
		R	GGTCGATCAGCTGGTCTCTT	20
	<i>HvCAD</i>	F	AAGAGACAGGAGGCTTTGGA	20
		R	GGTAAGGCTCAAGAGGGTGA	20
	<i>HvSKDH</i>	F	TCTTGCAAACACAACAGCAA	20
		R	CACATTCTGCAGCTTCCCTA	20
	<i>HvHKT1</i>	F	GGGTTTCGATGTGCAAAGCTC	20
		R	CTCCCGTATGTTCTCCGCATG	20
	<i>HvHKT2</i>	F	GTTTCATGACTGCATGACACTTC	20
		R	CCCTCTCTTGGCTTTCGTGT	22
	<i>HvSOS1</i>	F	GGTTCCTTCAGATGAGCAGGTT	22
		R	ACTTTTTCAGCTTCCTCCCCAGC	22
	<i>HvAKT1</i>	F	ACTTTGCCGTGATCCATATC	20
		R	CTGGATTCTTGATCATGAGC	21
	<i>HvNHX1</i>	F	ACCGTGAGGTTGCGCTTATG	20
		R	CAGCAATGAAGGACAAGGTTGC	22
	<i>HvWRKY10</i>	F	GGGGAAGCAGCAGGTAGA	18
		R	TGCGGTGGTTGAGGATAG	18
	<i>HvActin</i>	F	GACTCTGGTGATGGTGTGAGC	21
		R	GGCTGGAAGAGGACCTCA	18