

Table 1 Suppl. Primer sequences of barley genes used for gene transcription analysis by RT-PCR and RT-qPCR.

	Gene	NCBI acc. No.	Primer sequences	Amplicon [bp]	Annealing temp. [° C]
RT-PCR	<i>HSP17</i>	Y07844	5'-GATGTCGATCGTGAGGCGTA-3' 5'-CCGAAACGACTGGGAAAGA-3'	608	65
	<i>HSP18</i>	X64561	5'-AACAGCGAGACACGCTAGG-3' 5'-ACAGAGATGCCTCAACCAGAC-3'	450	64.5
	<i>HSP26</i>	AK251249	5'-TCGCGCTGGATTTGACATCT-3' 5'-TTTCTGCGCAACGAGAGGAT-3'	631	63.4
	<i>HSP70</i>	L32165	5'-CGTCACTGTTCTGCGTACT-3' 5'-AGGGTTTACACCCCTTGTTTCG-3'	664	65
	<i>HSP90</i>	AK358603.1	5'-GTTGAAGTGCCAGCTGATGA-3' 5'-ATTTGCCAAACTCGTTCCAG-3'	646	63.4
	<i>Cu/Zn SOD</i>	AK252295.1	5'-CCCCTCACCAAGTCAGTCAT-3' 5'-ATTGCAAGTCGGTGTCTTC-3'	640	60
	<i>HvCAT2</i>	U20778.1	5'-GGCGTCAACACCTACACCTT-3' 5'-TCGTCTTCTCCCTCTTTCCA-3'	652	60
	<i>HvAPX</i>	AJ006358.1	5'-ACACCCATGGTTCAAATGCT-3' 5'-GGTAGCCCGCGATAACTACA-3'	608	60
	<i>HvGST6</i>	AF430069.1	5'-ATCTCGTCAGAAACCCGTTTC-3' 5'-CTTCCACGACCACACATTG-3'	676	60
	<i>α-TUB</i>	Y08490	5'-CCCCTCGAAAATGACCCATA-3' 5'-TGTGAAAAACCCGTGTGCCC-3'	642	60
qRT-PCR	<i>HvBAS1</i>	Z34917.1	5'-CGTCACCAAATCGATCTCAAA-3' 5'-TCCACACTACGGCCAATACC-3'	141	60
	<i>HvDRF1</i>	AF521302	5'-GATGTCATGCGAGCTGTGTT-3' 5'-TCCGGTGAGAGAAAAGAGGAA-3'	236	60
	<i>HvMT2</i>	BM816564	5'-TCAGTCGAATCAACACATGGA-3' 5'-CACGAGGACGGAATAAAGC-3'	266	60
	<i>HvNHX1</i>	AY461511.1	5'-CCCGCTTTCATTCTATCCA-3' 5'-GAACGACAGTGATGGTGCT-3'	200	60
	<i>ACTIN</i>	AY145451.1	5'-CGTGTGGATTCTGGTGATG-3' 5'-AGCCACATATGCGAGCTTCT-3'	208	60