Supplemental Table Primers used in this study

Gene	**Sequence (5'-3')**	**Purpose**
MDH	F: CGTGATTGGGTACTTGGAAC	Reference gene used in real-time PCR
	R: TGGCAAGTGACTGGGAATGA	
q*cAPX*	F: AACTACAAGGGATGAAGCC	Quantitative expression of *MdcAPX*
	R: CAACGAGGATGATAACCAG	
q*cGR*	F: GTTCAGCGACAAGGCGTAT	Quantitative expression of *MdcGR*
	R: TCAACCGATTTCCATTTCC	
q*MDHAR*	F: CCATACTTCTATTCCCGCTCCT	Quantitative expression of *MdMDHAR*
	R: CGACCACCTTCCCGTCTTT	
q*DHAR1*	F: AGTGGACGGTTCCAGCAGA	Quantitative expression of *MdDHAR1*
	R: TTCCCATCCCGCAATCAC	
q*HY5*	F: AACTAGCATCCAAAGCTAGCC	Quantitative expression of *MdHY5*
	R: CCACAGTCTGCAGTTTCACAAG	
q*DREB2A*	F: CAGAGAACTTCACAACCGAC	Quantitative expression of *MdDREB2A*
	R: CCAGTGCTCATGGCAAGGTTTT	
q*HSP17.3*	F: AAGTTTGTGTTGCCGGAG	Quantitative expression of *MdHSP17.3*
	R: ATGTTATAATCCCTGCACGA	
q*HSP70-2*	F: CTCTGTCTCTCGGTTTGGAG	Quantitative expression of *MdHSP70-2*
	R: GTCTTGTCCTCGGCAGAAA	
q*HSP90-5*	F: ACACTCACTTCACCACTGAG	Quantitative expression of *MdHSP90-5*
	R: CATTTGAATCCACCACACCC	
q*HSP101*	F: CTATTCGGAGATGGCTGGAG	Quantitative expression of *MdHSP101*
	R: TGATGGAGGAAAGGAATT	
q*CAB*	F: ATCTTGATGGGTGCCGTGGAG	Quantitative expression of *MdCAB*
	R: AGCCTCTGTGTCTTCTGCAAGG	
q*RBCS*	F: AAACTGGGTTCCCTGCTTGGA	Quantitative expression of *MdRBCS*
	R: GGCAGCTTCCACATTGTCCAG	
q*ATG3a*	F: AAGGGGGCGGAGATGGTTC	Quantitative expression of *MdATG3a*
	R: GCACTTAGAGACGAGGTTATCGC	
qATG3b	F: AGGGAGATGGTTTTGAAACAGA	Quantitative expression of *MdATG3b*
	R: ACTTAGAGACGAGGTTATCGC	
q*ATG5*	F: GCAGGTCGTGTTCCAGTTC	Quantitative expression of *MdATG5*
	R: CCTCCTCCTCCTTGTATCTCAA	
q*ATG8c*	F: GCGTTCAAGATGGAGCACCCTC	Quantitative expression of *MdATG8c*
	R: CAGCCCTTTCCACAACCACTGG	
q*ATG8f*	F: TCGTAGACAATGTCCTCCCAGC	Quantitative expression of *MdATG8f*
	R: CCAAATGTGTTCTCGCCACTGT	
q*ATG8i*	F: GCAGCAGGCTTCACTTGACTCC	Quantitative expression of *MdATG8i*
	R: GGAATCCATGCGACTGGCTGTT	
q*ATG10*	F: TGGAACCAGCGAGTGGATGAAG	Quantitative expression of *MdATG10*
	R: ACAACTGAGAGCCAAGACACCA	