

Additional File 6. The primer sequences used for real time qPCR analysis of gene expression in *Panagrolaimus superbus* in response to desiccation stress.

<i>P. superbus</i> Cluster ID	Description	Primer	Sequence 5'-> 3'
PSC00673	HSP70 family	PSbsp-70F	ACGTGCAATGACCAAAGACA
		PSbsp-70R	ACCATTGGCATCAACATCAA
PSC02842	HSP40/DNAJ family member	PSbsp-40F	AAACAAGCCGTTGAAGCACT
		PSbsp-40R	GCAGGCGATACTCCAAGAAC
PSC03116	sHSP family member	PSbsp-12F	ACTCCAACATGGACGGAAAA
		PSbsp-12R	ACGGTTGCCAATTTGCTATT
PSC01018	sHSP 21 Bursaphelenchus	PSbsp-21F	GTTTCATTCTTCGTCGGGTA
		PSbsp-21R	AGGCTTTGGAGCAAAGATGA
PSC00782	LEA Protein	PSlea-2F	TGGAATCCTCATCTCCAACA
		PSlea-2R	GCAGCATCATAGGCATCAGA
PSC01853	LEA Protein	PSlea-5F	GGAGCTGCAAAGGTTAAAGC
		PSlea-5R	ATGGCATCTTGTTGTTACAG
PSC00514	LEA Protein	PSlea-8F	GCTGGTAAAGCTAAGGATGT TATG
		PSlea-8R	GAACATTATCCCATGTTTCTT CAGC
PSC02695	Cyclophilin family member	PScyp-3F	TATCTGCACTGCCGTTACCA
		PScyp-3R	TCGGCAGAAGTTTTCCACT
PSC00740	Protein disulfide isomerase	PS00740F	GCAAACACTGGAGCTGGTCTC
		PS00740R	AAACAGGCAATTTGCGTACA
PSC01029	Aquaporin	PS001029F	TTAGGAAATGCCCTCATTGG
		PS001029R	CAAGAACAAGGAAGGCAAGG
PSC03895	Peroxiredoxin 1	PScys-2F	TGGGGCTTAAACTTGGTGAC
		PScys-2R	GTTGTGCAGACAGGCGTAAA
PSC01468	RIC1 (Putative stress responsive protein)	Psric-1F	CCCCGATTATGTTGCTCTGT
		Psric-1R	ATCCGGGGATATAACCCAAA
PSC02304	DJ-1 family protein	PSdj-1F	AGCGCCAGTTATTTTTGCAC
		PSdj-1R	CCTGGAGCTCGACTCGTTAC
PSC02494	Glutathione peroxidase	PSC02494-F	TGATGATGCAGCACCACCTT
		PSC02494-R	TGGAGCGAAACGTTTAAACAA
PSC04819	Glutathione peroxidase	PSC04819-F	TCAAGAACCTGCGGAAAATC
		PSC04819-R	GCCGTTGACTTCAAGCTTTC
PSC02624	Glutathione S-transferase (sigma class)	PSC02624-F	CCCCAAGAATGATTTTGCAT
		PSC02624-R	TTTGCCATCAACTTCAAGGA
PSC04040	Glutathione S-transferase (kappa class)	PSC04040-F	GGAGCTCCATGGTTTGTTCAT
		PSC04040-R	ATGGGCTCCAACAAAATCAA
PSC01063	Aldehyde dehydrogenase	PSC01063-F	GTTGCACGTCGAATTGTTTG
		PSC01063-R	CAAGTTCATCACGCTTTGGA
PSC01095	Aldehyde	PSC01095-F	TGATTTTCGCTGTAGGCCTTT
		PSC01095-R	AACCCCAACAACCAAGAG

PSC01944	RNA polymerase II	PSRNAPOLII-F	GATGACTTTATGGAAGAAGATGAGG
		PSRNAPOLII-R	CTATGATCACAAATTCGGCAAG
PSC00238	60S ribosomal protein L32	PS60SL32-F	GTTTCGTAGACGTTTCAAGGGTACT
		PS60SL32-R	TCGAGATCTCTGACATTATTGACG