

Table S1. Primer's sequence of genes used in qRT-PCR analysis.

Gene ID	Gene Name	Primers
100145915	Actin A3	F: aagattccgtgtcccagagg R: atgtccacgtcgcacttcat
TpnI	Troponin I transcript variant C	F: ggagccaggggaaacgtaaa R: ttgggagttcaggctcggaga
LOC105842021	Ras GTPase- activating protein nGAP-like	F: ctaaggatccggcagcagg R: acttcccgttcggttctgac
100529234	Transform growth factor beta-activated kinase 1 (Tab1)	F: ctgatacctagtaagcgcggg R: acggccttgagctctgtctg
Ldh	Lactate dehydrogenase	F: cgttcacgcggtctctactt R: gatttccgaagctgtgccac
LOC101738228	Multiple inositol polyphosphate phosphatase 1-like (Mpp-1)	F: cgtgaccgtgtttctaagcg R: atccctctggctgcattat
LOC101739645	Phosphoglycerate kinase (PGK)	F: tgcctggcgtgtttgagtttg R: agtagagacgtgcgagacct
LOC101740694	Retinal dehydrogenase 1-like (RD-1)	F: ctactggcaggtggagaacg R: gctctggactggaccgaaaa
LOC101743212	Phosphoglucomutase (PGM)	F: ttccgatgctaccaccgatg R: ttgactgtaaactgccgct
LOC692988	Aldehyde dehydrogenase isoform 2 (Ald-2)	F: tcgtaataaggcgctggaac R: aactcagtgtctcttgcgg
LOC101736196	Glucose-6-phosphate 1-epimerase (G6P1)	F: gcggaagatgcggatacaga R: atgttggggaactgcgtctc
Khc	Kinesin heavy chain	F: gcgttctggtagactgtca R: caggaggtgtctggaggtttt
LOC100862772	Heat shock protein 68 (Hsp68)	F: cattgaaactgccgtgggtg R: tgctgggtggctgtcagaat
LOC101735878	Ubiquitin carboxyl-terminal hydrolase 5 (UCJHL-5)	F: tcgccataggagttgagga R: accattgtccagctgcttga
Rab10	Small GTP-binding protein Rab10 (Rab 10)	F: acgagcatgcaaacagagat R: tccgctagtccgagaaagc
ST5	Putative sugar transporter protein 5	F: ggtgtacacgtgcgaggtat R: cagcatgctcaggagtga
Vps4	Vacuolar protein sorting 4	F: agcggctaaaaagtggagga R: tgacattgtaactggcggt
LOC101735597	Protein yippee-like CG15309 isoform X1 (Pyl-CG15309)	F: agacaatgctcggctggaaa R: ccaaccgttctccttca
LOC101740132	Leucine-rich repeat serine/threonine-protein kinase 1 (LRRK1)	F: gagtctaagctcgtcccg R: ttctccacgtctagcagga
LOC101745176	Titin	F: cagtggaaagtttggtgg R: aattcggcgtctctgttctg
LOC101744194	Facilitated trehalose transporter Tret1 (Tret1)	F: gtatccactcggcagctacc R: aatagacctgtgacggagcg
Kettin	Kettin protein	F: gacgagatagagccggttg R: agtagccctgggagttacgt
LOC101736589	Matrix metalloproteinase-3-like (MMP-3)	F: ccggagttggctacacttac R: ccttctatgcgactcttct
LOC100101164	NADPH-specific isocitrate dehydrogenase (IDH)	F: atgtggctaagtcggaacgg R: cgctctctgtctgacctac
LOC101736848	2-Oxoglutarate dehydrogenase, mitochondrial (2-OGD)	F: ggagacaacgagggaagaa R: tcacgtggaatatcggagcg
LOC101737640	Pyruvate carboxylase (PC)	F: gggaggagctacattcgacg R: atgccagtagcaagttcgg
Fib-H	Fibroin heavy chain	F: gttacggagctggcaggg R: agcaattcacacaaggcagt

P25	Fibroin P25	F: cgaaatgtatcccgggcaga R: tcaaagttcagccacggaca
Fib-L	Fibroin light chain	F: gccggcttcagacaatctct R: tgagcggttatgtaggcagc
