

Additional File 2

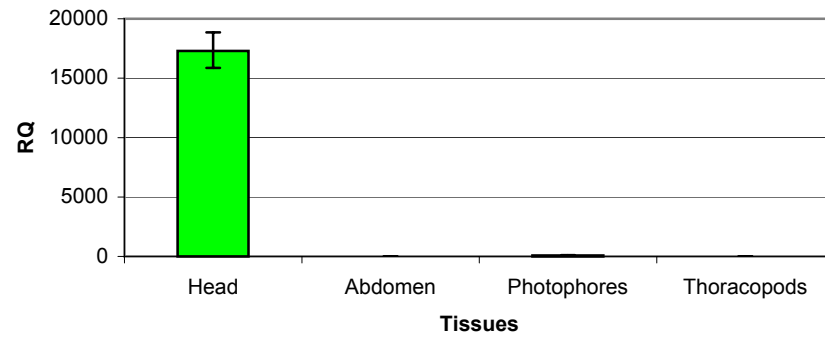
Forward and reverse primers used for qRT-PCR

#	Consensus	Description	Forward Primer (5'-3')	Reverse Primer (5'-3')
KRC00735		Compound eye opsin BCRH1	TGACAGTCCACATGCCATGGT	TCTGCGAAGGCTCCTATGCC
KRC00032		Myosin light chain	GTATCATCGGCATGCTCTGCG	ACTGGAACCCTCATTGCCCG
KRC00155		Myosin heavy chain	TGAGGCTGAACTGGCCAAACT	GACATCTCGCCAACAGCATCA
KRC00566		Arthrodial cuticle protein AMP16.3	CAGTCTCCATTGGTCCCCGT	ACCCCCTGTGCAGCGAATT
KRC00319		Tail muscle elongation factor 1 gamma	GGTGTCTTCGGTGAGGATGGT	GGTGCGTCAGCATCAAGCTT
KRC00338		Cellular retinoic acid/retinol binding protein	CGCATACTGCCCCAGTACTTCC	CATCGAAGCCCTCAGAGCTG
KRC00786		Eukaryotic initiation factor 4A	TCCAACAGGTTTCCCTTGTC	TGGCAACACCTTTCCTACCAA
KRC00208		Transport protein SEC61 subunit gamma	TGCACCAAGCCAGACAGAAAG	TCCTAGGCCCCCACAATGA
KRC00402		Chromodomain helicase DNA binding protein	CCGCTGCCTCCATTATTAGCC	TGCTTCTTGAGGTGGCATTCC
KRC00160		Voltage-dependent calcium channel	GCGGATGTTGGTTTCATCCC	CCAGGTCAAGCCCAGAGGAA

Relative Expression values (RQ)

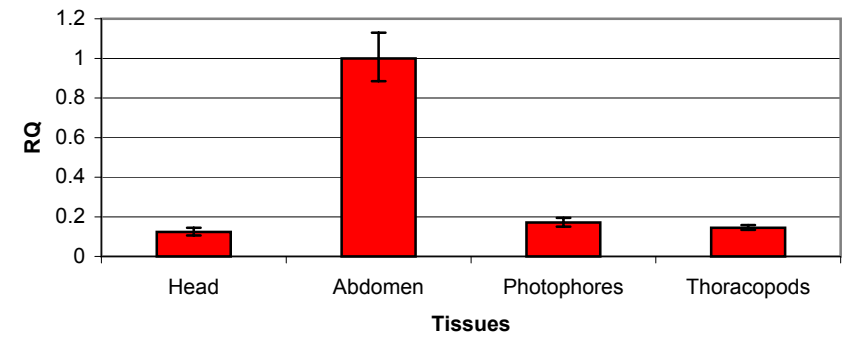
# Consensus	Description	Tissues	RQ	RQ min	RQ max
KRC00735	Compound eye opsin BCRH1	Head	17297.06	15866.30	18856.85
		Abdomen	1.00	0.36	2.76
		Photophores	86.42	66.51	112.27
		Thoracopods	3.06	1.93	4.86
KRC00032	Myosin light chain	Head	0.12	0.11	0.15
		Abdomen	1.00	0.89	1.13
		Photophores	0.17	0.15	0.20
		Thoracopods	0.15	0.13	0.16
KRC00155	Myosin heavy chain	Head	0.43	0.39	0.46
		Abdomen	1.00	0.88	1.13
		Photophores	0.40	0.35	0.46
		Thoracopods	2.30	1.76	3.01
KRC00566	Arthrodial cuticle protein AMP16.3	Head	3500.00	3166.70	3868.38
		Abdomen	1.00	0.86	1.16
		Photophores	3.03	1.78	5.15
		Thoracopods	1.85	1.22	2.79
KRC00319	Tail muscle elongation factor 1 gamma	Head	2.16	1.86	2.51
		Abdomen	1.00	0.81	1.23
		Photophores	2.29	2.03	2.60
		Thoracopods	0.87	0.77	0.99
KRC00338	Cellular retinoic acid/retinol binding protein	Head	0.90	0.83	0.96
		Abdomen	1.00	0.91	1.09
		Photophores	6.04	5.06	7.21
		Thoracopods	2.02	1.56	2.37
KRC00786	Eukaryotic initiation factor 4A	Head	1.40	1.23	1.61
		Abdomen	1.00	0.87	1.15
		Photophores	2.08	1.79	2.40
		Thoracopods	1.65	1.35	2.03
KRC00208	Transport protein SEC61 subunit gamma	Head	6.06	4.73	7.77
		Abdomen	1.00	0.72	1.39
		Photophores	0.07	0.04	0.10
		Thoracopods	0.84	0.75	0.94
KRC00402	Chromodomain helicase DNA binding protein	Head	2.58	2.23	2.99
		Abdomen	1.00	0.71	1.42
		Photophores	3.28	2.84	3.77
		Thoracopods	2.89	2.38	3.50
KRC00160	Voltage-dependent calcium channel	Head	0.29	0.23	0.38
		Abdomen	1.00	0.57	1.35
		Photophores	0.21	0.18	0.25
		Thoracopods	0.18	0.14	0.23

Compound eye opsin BCRH1 (KRC00735)



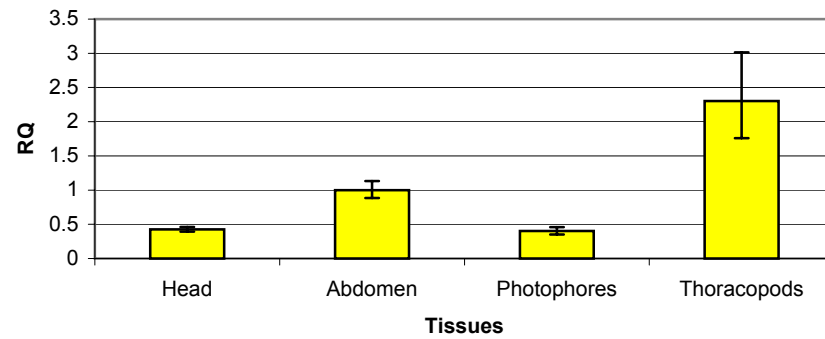
	Head	Abdomen	Photophores	Thoracopods
KRC00735	1	0	0	0

Myosin light chain (KRC00032)



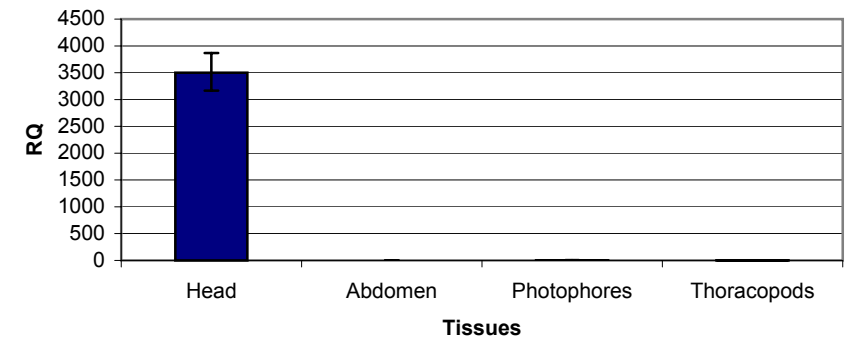
	Head	Abdomen	Photophores	Thoracopods
KRC00032	0	8	0	0

Myosin heavy chain, striated muscle (KRC00155)

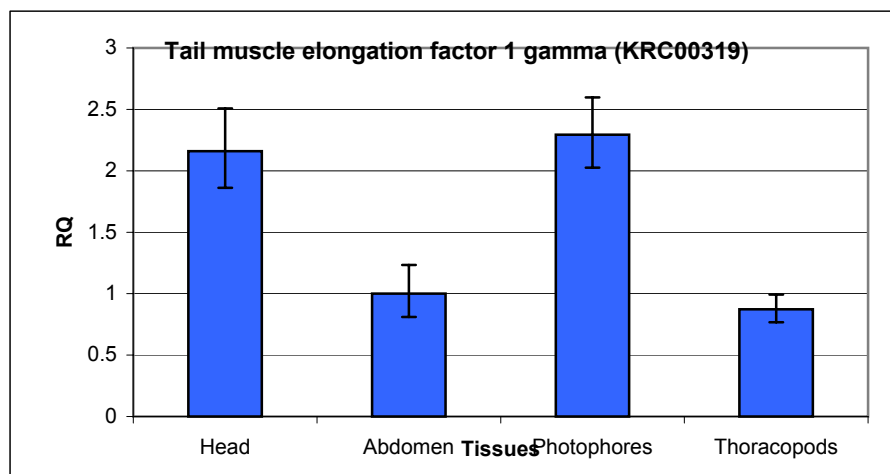


	Head	Abdomen	Photophores	Thoracopods
KRC00155	0	3	0	2

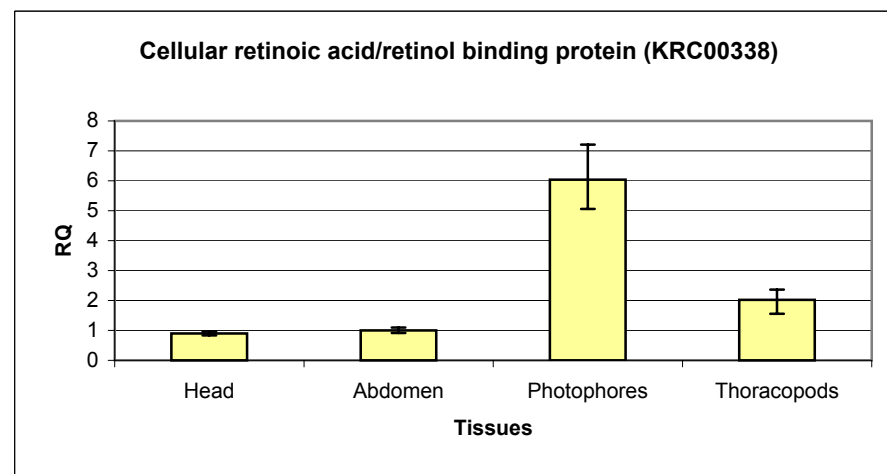
Arthrodial cuticle protein AMP16.3 (KRC00566)



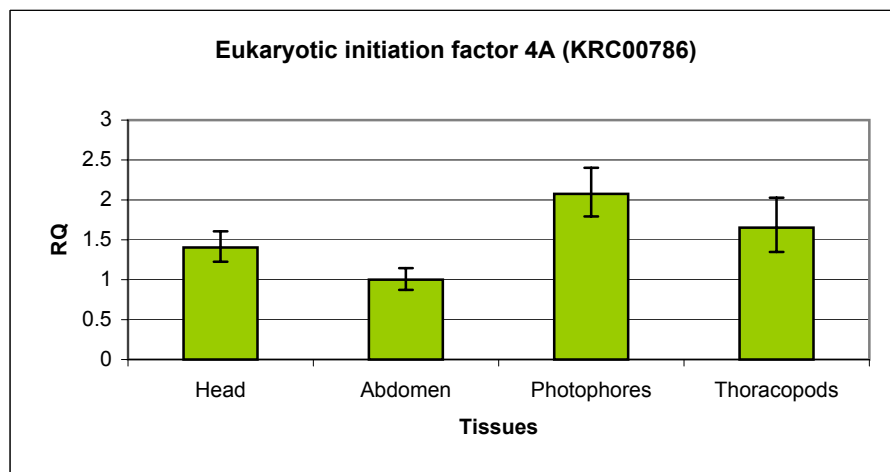
	Head	Abdomen	Photophores	Thoracopods
KRC00566	5	0	0	0



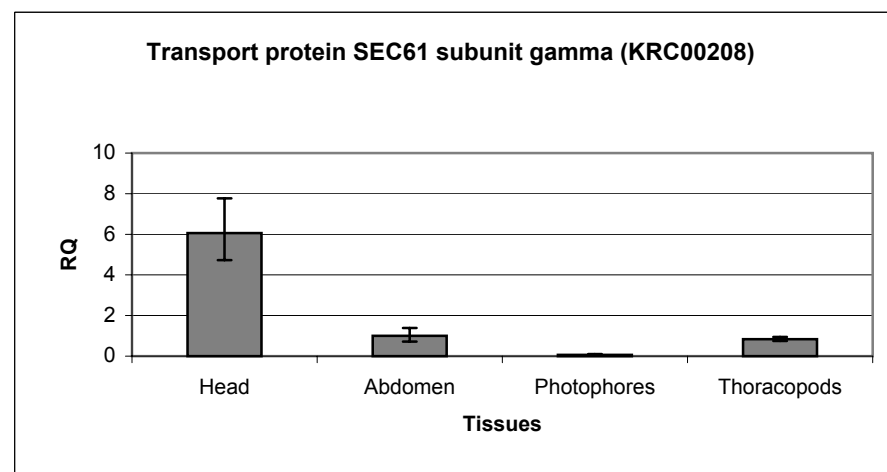
	Head	Abdomen	Photophores	Thoracopods
KRC00319	0	0	2	0



	Head	Abdomen	Photophores	Thoracopods
KRC00338	0	0	1	0

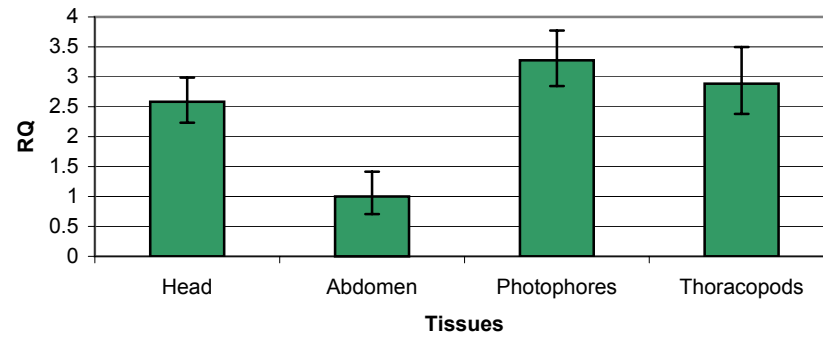


	Head	Abdomen	Photophores	Thoracopods
KRC00786	1	0	0	1



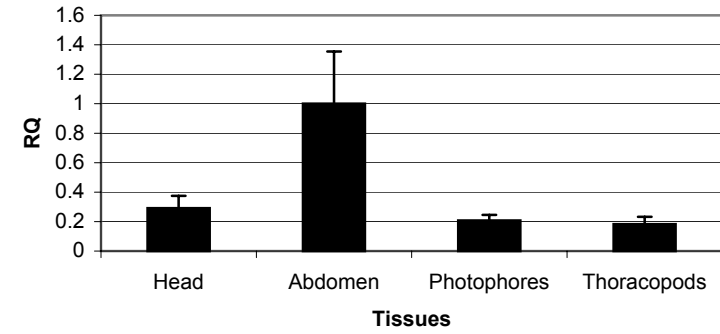
	Head	Abdomen	Photophores	Thoracopods
KRC00208	1	0	0	1

Chromodomain helicase DNA binding protein (KRC00402)



	Head	Abdomen	Photophores	Thoracopods
KRC00402	0	0	1	0

Voltage-dependent calcium channel (KRC00160)



	Head	Abdomen	Photophores	Thoracopods
KRC00160	0	1	0	0