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Pigment Dispersing Factors and Their Cognate Receptors in a Crustacean Model, With New Insights Into Distinct Neurons and Their Functions

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Table 1. Supplementary

Abbreviations: T7: adapter sequence TAATACGACTCACTATAGGGAGA

Target and method	Forward primer	Reverse primer	Taqman probe	Amplicon Size (bp)
PDHR 43673 Expression	CACCTCTCCGCCCATGACTTACTCC	AGCCGCCCAACTGTCATAAAGTACG		1381
PDHR 41189 Expression	CACCATGAGGGCGTGGGAGTTTAC	TGGAGGGTCATACAGAGGTTGTTGC		1372
PDHR 35701 Expression	CACCATGGAGGAGGCCGTC	GTCATAAGGTGGAAACTGGCTGG		1525
PDHR 43673 Standard	GGCCTGCGTCGATTCCTT	ATGGCCTTGGTGAACAGAC		264
PDHR 43673 Taqman	GGCCTGCGTCGATTCCTT	TGCACCACCGCTCATGAG	FAM-ACCACGTCAATCTT	-
PDHR 41189 Standard	GCCCTCGTCTCACCGTAATA	CTTGAAGGCAGTGAGGAAG		252
PDHR 41189 Taqman	TGAGAGCTGCCATCGTGTG	CCATCTGCAAGGCTGTTTGTG	FAM-TGCCACTCCTGGGCA	-
Ubiquitin-conjugating Enzyme E2 L3 (UbcE2) Standard	ACATTGGAAGGTCTGGCATC	GAAGTCTTGGCGTCTTTGG		371
Ubiquitin-conjugating Enzyme E2 L3 (UbcE2) Taqman	TCACCTGGCAGGGACTCATT	CCTGAACGCTCCCTTGTTGT	FAM-ACCCGAGAACCACC	-
Elongation factor 1a (Elf1a) Standard	CCAAGATCGAGCGTAAGAGC	CGATCACCTGAGCTGTGAAA		396
Elongation factor 1a (Elf1a) Taqman	GAGCGGCAGCTATGAGTTCAT	TGGATGGAGGCTCAATGTG	VIC-CTCTCTTGACGCTCTGG	-
PDH-1 endpoint PCR	CGCAGCAGATATAACCGTGTG	TACATGAGAGGCCGACGTTT		320
PDH-2 endpoint PCR	ACCTGTCTACCTACCTACCTG	CCGAGCAGTGAGTTGATGAG		261
PDH-3 endpoint PCR	TTACAGCGTGGTTCGTAGCTG	AAGGTGGAAGAGACCATAATGAA		309
e-PDH endpoint PCR	ATCCTGTGTCGTGCATACCA	TAAGCCCATCGTTGAGGAGC		329
PDH-1 In situ	CGCAGCAGATATAACCGTGTG	T7-TACATGAGAAGGCCGACGTTT		343
PDH-2 In situ	ACCTGTCTACCTACCTACCTG	T7-GCCTGCTTGAGTCATCATCC		312
PDH-3 In situ	TTACAGCGTGGTTCGTAGCTG	T7-AAGGTGGAAGAGACCATAATGAA		332
e-PDH In situ	ATCCTGTGTCGTGCATACCA	T7-TAAGCCCATCGTTGAGGAGC		353
PDH-2 5' RACE	CRACTGGAGCACGAGGACTGA	TGGAGAGGCCGAGCAGTGAGT		347
PDH-2 5' RACE nest	GGACACTGACATGGACTGAAGGAGTA	As above		333
PDH-3 5' RACE	As above	ACTTCAGGATGTGTGCCGCCAGGT		246
PDH-3 5' RACE nest	"	ATGTGTGCCGCCAGGTTAGCCAAG		224
e-PDH 5' RACE	"	GTCCCTGAAATTAACGTCTGCCACG		424
e-PDH 5' RACE nest	"	CCAGCATTCCTCATGTTTCCGAG		390
PDH-2 3' RACE	TGAAGGTGATCCACGCCCGCAGGAGGCT	GGCTGTCAACGATACGCTACGTAACG		245*
PDH-2 3' RACE nest	GCTGGAGGCTGCCGAGGCTCTCGCACACA	CGCTACGTAACGGCATGACAGTG		226*
PDH-3 3' RACE	TCCGTCTCTTACCCAGGGACAG	As above		301*
PDH-3 3' RACE nest	TAACCTGGCGGCACACATCCTGAA	"		245*
e-PDH 3' RACE	GACCGTCATCTCCACCCCACTTG	"		895*
e-PDH 3' RACE nest	ACCTTCGCTCTGCCACCACACTC	"		797*

- Amplicon lengths indicated for 3' RACE PCRs exclude the polyA tail.