

Table S5. Primer sequences of 23 genes differentially expressed between the developmental stages with expected product size, and three gene references used in RT-qPCR to validate differences in read counts among libraries. Annotation is derived from Blast2Go or manual.

Contig	Foward	Reverse	Size	Annotation
2406	GACCAAGGACGGCAAGTTCA	GTAGTTCCAGGCGGTTTGCT	139	sericotropin precursor
6681	TTCTGCCTATGCGGGAGGAG	GACGACGAGTGCCGATCTTG	119	fibroin heavy chain [<i>Ephestia kuehniella</i>]
10806	GAATCCAACCTGCGGAAAG	TTGTCACCTCCGTTGTTT	161	insect intestinal mucin precursor
11301	TGAGAGTGAGAGCGACAGTA	GCCACAAACGGAGAACTTTC	189	glutathione s-transferase epsilon 2
12524	CGTACTCGTATCTCATCATATCAC	CGTTCACTAGTTGCGACTC	114	ABC transporter F family member 4-like [<i>Bombyx mori</i>]
12828	TCTCCATCATCTTGAAGTGT	AGAAGGAATGCCAGGAAT	174	muscular protein 20
13135	GCATAGGTCTGCATCGCTGATAA	CGAACGTGCTCGGTCCAA	119	JH-inducible protein [<i>Danaus plexippus</i>]
16411	GCTGTGGGAGCATGTGGTT	GTCAACCTGGCTTTCTCTTTGG	171	uncharacterized protein LOC101735588 [<i>Bombyx mori</i>]
16428	GTTGAAGACGGTGTGGGGG	GAAGGCACCGAATGGCAAGA	147	Predicted: mucin-2-like <i>Bombyx mori</i>
17745	TCGGAGCGCATCTTGGAAC	CACCAAAGATAGGGCCAGCG	180	lipase-1
20172	TGGCAAGGGAATGAATGGAG	TTGGCTCTGGCTGTTTGGTT	133	fibroin light chain [<i>Corcyra cephalonica</i>]
21584	GCACGCATTTGTTGCTCTG	GAGATGCGAGTCCCTTTGCC	137	Predicted: chymotrypsin inhibitor-like [<i>Apis mellifera</i>]
23824	ACGGTGCTGGCAAGGTGT	CCACTGCTTGAGGGTCTTCC	185	estradiol 17-beta-dehydrogenase isoforma a
26572	GCCATAATTCAAAGTGGACCGAT	GGTCGCTGTTTCTACAACCTTGAA	174	carboxylesterase ae17 [<i>Bombyx mori</i>]

36206	CCATTCAAGTTGCAGAGA	GGTAGGGAGAATTGTTGTT	105	No similarity
36279	TCCTCACTGTCCCGTCCAAG	GAAGAGAACCAACCACCAGCA	101	FMRFamide [<i>Helicoverpa armigera</i>]
38086	ACAACCGGCACAACAATCCA	CCCGTTTTCCCAAGGGGATG	189	zinc carboxypeptidase
50455	CGCACAGACATTCGGAGCTT	AATGGCAGCGAAGGTTCTGG	111	peritrophin 1 [<i>Mamestra configurata</i>]
55173	GGTCGTCGTAACAATACCAGCA	GCGAACAAGGGCACCATC	141	alkaline phosphatase
58512	GGGCATGTGGAACGAGTACG	GAGGAGCAGACCTGGGTGAA	141	sarcoplasmic calcium-binding protein 2 cg14904-pa
75835	TTGTCGGATTCAAGACGATTCTC	CGTGCGTTTGTCTGGAAGT	128	thrombospondin type-1 domain- containing protein 7A-like [<i>Bombyx mori</i>]
77615	CAGAACGCTGAAGGAGTC	CACCTTCTACAACGCCAAC	100	No similarity
81147	CCTACTCCGCTTACCGTCAA	ACTCTCAAGAAGAAGACTCCACTT	165	serotonin transporter
RpL 5	CAGTCGTCGAGCCAGCAACA	TCCCGCATTGAAGGAGACCA	129	-
Rpl23A	TTGACGCCATAACGTGGCAGT	CGCAAACGCCTGACTGTTCA	170	-
rRNA	TATGTTGTGAGGCGACGATG	GATCCACCGTCCAGGGTAAT	155	-