

**Supplementary Material to “Identification of genes related to high royal jelly production in the honey bee
(*Apis mellifera*) using microarray analysis”**

Table S3. Primer pairs for qRT-PCR.

GI	Gene name	Forward	Reverse	Produce size (bp)
20336614	dopamine receptor type D2 (Dop2)	ATCTGTTGGCTACCTTTCTTCG	AACGCTCTACGAAAATCTCTGC	167
67043607	Amt-2-like protein	ATAGGATTTTTGCTGGCTGGT	TACATTCTTCGCATCCATC	84
110755554	similar to CG8862-PA (LOC551715)	AGTGGTTGGTATCTGGGAAAGT	GTAGGAAGTCTGCCGAAAC	146
149939402	clone hex71 hexamerin (hex71)	AGTATGGCTGGTTGGCTTATTG	CGATGTTGGCTTCTATGTTCC	191
110759535	hypothetical protein LOC726515 (LOC726515)	AGATCCTAAAAATGGAATTGTGC	CCTCCAAGAACAAGCATTGGA	195
110750767	similar to lethal (1) G0168 CG33206-PA, isoform A(LOC411348)	AACATCAGTGCCTTCAAAACG	CTTCGCTCTCTCCGTTCTTT	213
66520065	similar to SHC-adaptor protein CG3715-PA (LOC412172)	CACCAGTTCACCTTTACCAA	CAGTTTCTGCCCATTTGAT	162
110749006	similar to CG1998-PA, transcript variant 1 (LOC409360)	GGCAAGCACAATGGGATAAA	TGTAATCCCGCCAAAGAAC	117
110760992	similar to LDLa domain containing chitin binding protein 1 CG8756-PD, im D, transcript variant 1 (LOC551323)	CAACACAAGTCAGAGCACAGG	GCTTGCTTTGTGCGCATCTTAC	149
66538119	similar to Multidrug resistance-associated protein 5 (LOC413947)	TAATGGCGGAAATAGAACTCG	TGCTCCTGTTGCTCCTACAATA	248