

Bomb mori

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ARTICLE INFO

ABSTRACT

Article history :

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Key words:

Bomb mori

Polymorphisms

2.3. RNA extraction

Bombus mori

B. mori

pp

2.4. cDNA library construction and Illumina RNA-Seq

B. mori

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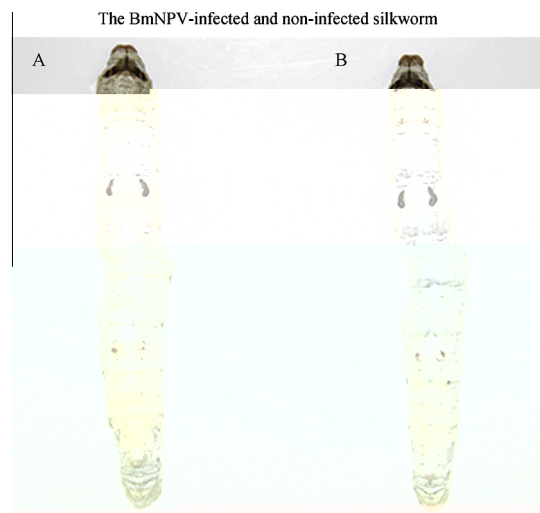
2.5. RNA-Seq data analysis

B. mori

B. mori

2.1. Virus and silkworm strain

2.2. Oral infection of the silkworms with B. mori nucleopolyhedrovirus (BmNPV) for transcriptome analysis



2.6. Bioinformatics analysis

2.7. Validation of RNA-Seq by quantitative RT-PCR

3.1. General transcriptional patterns

3.2. Gene ontology (GO) analysis of the differentially expressed genes

3.3. KEGG pathway analysis of the differentially expressed genes

3.4. COG analysis of the differentially expressed genes

actinA3

μ
○ ○
△△

B. mori

×

B. mori

4.1. Differentially expressed genes related to circadian rhythms

BGIBMGA000031

BGIBMGA007140

BGIBMGA006590

BGIBMGA003321

BGIBMGA010643

BGIBMGA005724

BGIBMGA000408

BGIBMGA006298

4.3. Differentially expressed genes in the serotonin receptor signaling pathway

β
ebon
melanogaster

Drosophila

ebon cr prochrome 1

B. mori

D. melanogaster

D. melanogaster

4.2. Differentially expressed genes in synaptic transmission

Drosophila

BGIBMGA011067

BGIBMGA006929

BGIBMGA002316

D. melanogaster

B. mori

Perosticins

Perosticins

A

snk in 1A

A

A

D. melanogaster

BGIBMGA000943

BGIBMGA013466

BGIBMGA010205

