Figure S1. Device for starvation research and RNAi expertiment.
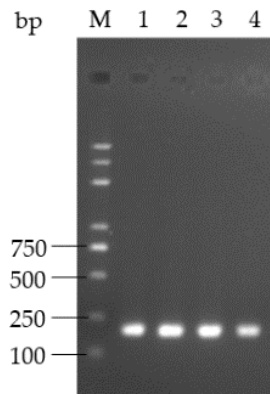

Figure S2.Detection of the *Bta06987*

```
atg act tgt cgc aca att ctg gtg tta ctc aca aat gca atc ctc ctg tcc gct ctg tgc
 M   T   C   R   T   I   L   V   L   L   T   N   A   I   L   L   S   A   L   C
tac gcc cag gtc aac ttc tcg ccc acg tgg ggc aag aga acc gtc acg caa gaa gaa tgc
 Y   A   Q   V   N   F   S   P   T   W   G   K   R   T   V   T   Q   E   E   C
acc tcc aag cct tcc atg gaa ctt ctc atg tat tta tac aag atg atc gag aat gag gcg
 T   S   K   P   S   M   E   L   L   M   Y   L   Y   K   M   I   E   N   E   A
caa aaa ata tca gat tgt gag aag ttc aga agt taa
 Q   K   I   S   D   C   E   K   F   R   S   -
```

Figure S3. DNA squences of *Bta06987* and predicted structures of neuropeptide precursor. Predicted signal peptides (highlighted in yellow), cleavage signals (red), putative bioactive mature peptides (light blue).

Table S1. The sequence of *Bta06987*

The sequence of *Bta06987*	ATGACTTGTCGCACAATTCTGGTGTTACTCACAAATGCAATCCTCCTGTCCGCTCTGTGCTACGCCCAGGTCAACTTCTCGCCCA CGTGGGGCAAGAGAACCGTCACGCAAGAAGAATGCACCTCCAAGCCTTCCATGGAACTTCTCATGTATTTATACAAGATGATCGA GAATGAGGCGCAAAAAATATCAGATTGTGAGAAGTTCAGAAGTTAA