

Additional file 2:

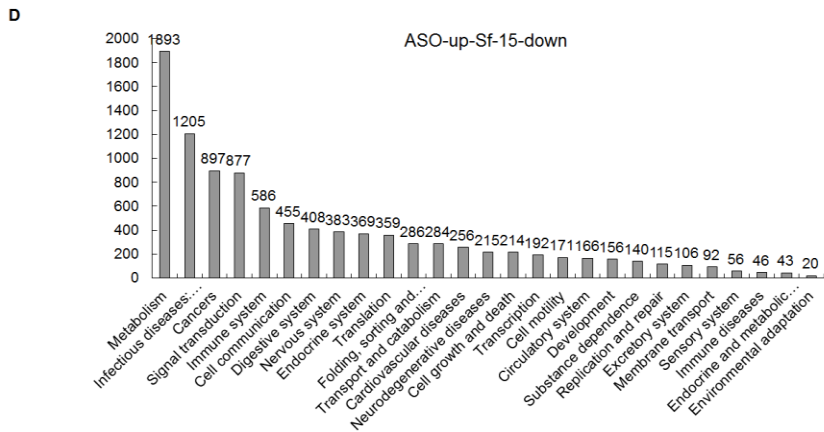
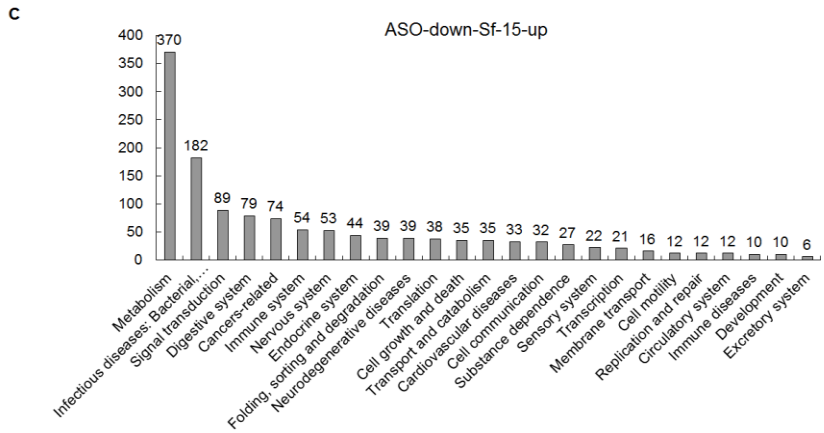
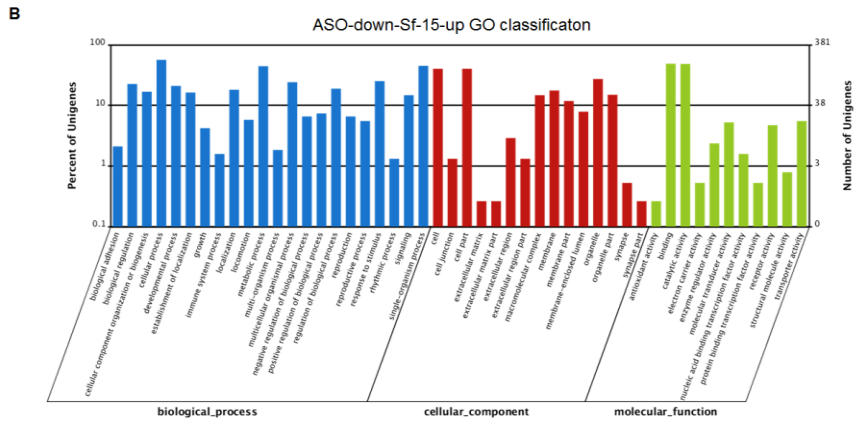
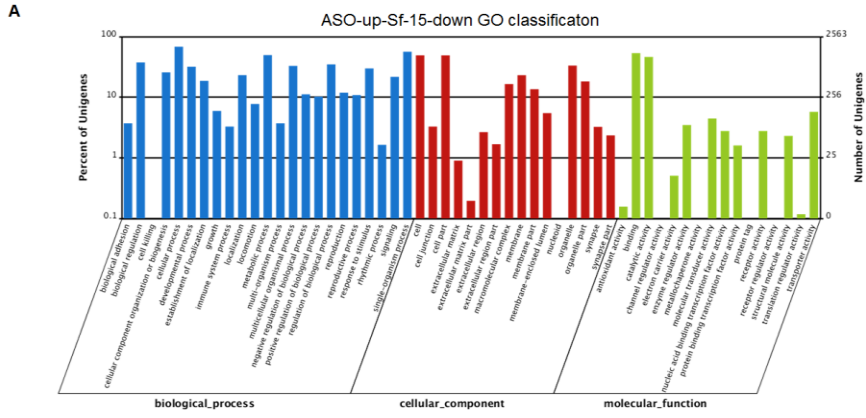
Small nucleolar RNA Sf-15 regulates proliferation and apoptosis of

***Spodoptera frugiperda* Sf9 cells**

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Additional file 2: Fig. S1. Functional classification of genes with reverse expression pattern upon Bm-15 repression and overexpression. (A) GO classification of genes with expression increased as Sf-15 was knocked down but decreased when Sf-15 was overexpressed. (B) GO classification of genes with expression repressed when Sf-15 was knocked down but induced when Sf-15 was overexpressed. (C) Statistic analysis of the numbers of genes in figure A. (D) Statistic analysis of the numbers of genes in figure B. ASO and Sf-15 means cells were transfected with antisense oligonucleotides of Sf-15 and overexpression vector *pBac[A3-EGFP-A3-Sf-15]*, respectively. Up means the expression of genes were increased, down means the expression of genes were decreased.

Additional file 2: Table S2. Primer set used in the experiment

Gene	Forward primer	Reverse primer
<i>U6</i>	CTAAAATTGGAACGATACAG	ATTTTGCGTGTCATCCTT
<i>actinA3</i>	TAGACAATGGCTCCGGTAT	CCAGTTAGTGACGATTCC
<i>Sf-15</i>	ATTCAATGATGATACAATGCTTTATG	AAATTCAGCCATCCAAGGAAGTT
<i>Sf-15</i> primer for vector construction	CATGCCATGGATTCAATGATGATACAATG	GGGGTACCCCAAATTCAGCCATC
<i>actinA3</i> promoter primer for vector construction	CGGGATCCCGCGTTACCATATATGGTGA	CATGCCATGGCCCGTACGAGTCCTTCT
<i>P53</i>	TATGATATGCCGTATGAAGAACTGG	ATTCGACAATTGATGCGGAT
<i>Apoptosis inhibitor 5</i>	CAAGAACTTTTGGAGTTGCAG	CATGTTGTGTGCACTGGATAACT
<i>Caspase 1</i>	ATGCTGGACGGAAAACAAGACAA	GGCATTCTATCAACTGGCATCCTA
<i>Cn</i>	TCACCCATACTGGTTGCC	CTGAGATTTGCTTCCTCC
<i>Bad</i>	CGTGAGAATGCGTAGAAA	ACGAGACCACCGTAACAA

Additional file 2: Table S3. Unigenes were subjected to Blastx against public protein database in Sf9 cells

Public protein database	NR	NT	Swiss-Prot	KEGG	COG	GO	ALL
Numbers	19,823	21,957	15,313	13,606	7,477	9,291	26,693