

Table S1 Primers used for qRT-PCR of lipogenesis-related genes in *Spodoptera litura*

Gene name	Primer sequence (5'-3')	Product size(bp)
<i>Fatty acid synthase 1 F</i>	GTGTGGTTTCGTGTTCTCC	149
<i>Fatty acid synthase 1 R</i>	GCCTCCGTGATGATGTTG	
<i>Fatty acid synthase 2 F</i>	TCCTCTACGCTCTCCTAAC	
<i>Fatty acid synthase 2 R</i>	ACGATGTCCACGGTATGA	
<i>Desaturase F</i>	ATGTCTTTGTGGGATAGG	139
<i>Desaturase R</i>	CGATAAGGTCAGGGTTTG	
<i>acetyl-CoA carboxylase F</i>	CGCCTTCCAGAACAATGACAT	165
<i>acetyl-CoA carboxylase R</i>	TCTAACGCACTCTTGAACCTCT	
<i>Lipase F</i>	TAAGGAGATAGAGCCAGAGTTCTT	137
<i>Lipase R</i>	TCTTCATCATTCGCTAGTCATAGTC	
<i>EF1 F</i>	GAAACCGCTAAATACTATGTCA	161
<i>EF1 R</i>	CGGGTCTGTCCGTTCTTC	
<i>GAPDH F</i>	CTGCTAAAGCCGTAGGAAA	113
<i>GAPDH R</i>	CTGCTAAAGCCGTAGGAAA	

Table S2 Oligonucleotide templates used to synthesize siRNA

Gene Name	Primer sequence (5'-3')
<i>Oligo- 1 Fatty acid synthase 1</i>	GATCACTAATACGACTCACTATAGGGCCAATACTACGGCAACAATTT
<i>Oligo-2 Fatty acid synthase 1</i>	AAATTGTTGCCGTAGTCTTGCCCTATAGTGAGTCGTATTAGTGATC
<i>Oligo-3 Fatty acid synthase 1</i>	AACCAATACTACGGCAACAATCCCTATAGTGAGTCGTATTAGTGATC
<i>Oligo-4 Fatty acid synthase 1</i>	GATCACTAATACGACTCACTATAGGGATTGTTGCCGTAGTCTTGGTT
<i>Oligo- 1 Fatty acid synthase 2</i>	GATCACTAATACGACTCACTATAGGGGCATTGAACCTGATTACATTT
<i>Oligo- 2 Fatty acid synthase 2</i>	AAATGTAATCAGGTTCAATGCCCTATAGTGAGTCGTATTAGTGATC
<i>Oligo- 3 Fatty acid synthase 2</i>	AAGCATTGAACCTGATTACATCCCTATAGTGAGTCGTATTAGTGATC
<i>Oligo- 4 Fatty acid synthase 2</i>	GATCACTAATACGACTCACTATAGGGATGTAATCAGGTTCAATGCTT
<i>Oligo-1GFP</i>	GATCACTAATACGACTCACTATAGGGGGGATGTCTCACATCTTGTTT
<i>Oligo-2GFP</i>	AAACAAGATGTGAGACATCCCCCTATAGTGAGTCGTATTAGTGATC
<i>Oligo-3GFP</i>	AAGGGATGTCTCACATCTTGTCCTATAGTGAGTCGTATTAGTGATC
<i>Oligo-4GFP</i>	GATCACTAATACGACTCACTATAGGGACAAGATGTGAGACATCCCTT