

Table S1  
Oligonucleotides used in this experiment.

Primer	Primer sequence(underlined indicate restriction sites)	Purpose
Primer 1	5'-AAAACATATGGGCTCAAAGCACCCAAGG-3'	Cloning of LmNcb5or
Primer 2	5'-AAAAGGATCCCATCTCCCCTACAGGTGG-3'	
Primer3	5'-AAAAAAGCTTCAGTATCCGTATCTACGACTCG-3'	5' flanking region
Primer4	5'-TGTGTCTGCGCTGACCGCAGC-3'	
Primer5	5'-AAAACCCGGGGATGCACCGCAGGCAGCTG-3'	3' flanking region
Primer6	5'-AAAAGGATCCGAAGCGTCCTTGACGATGGTG-3'	
Primer7	5'-GAGCGTGAGATGCAGGTGTA-3'	External primer for testing KO
Primer8	5'-CACCCCTGTGTGACTCAATG-3'	
Primer9	5'-CTGGCGAAGGAGATGGTGAAG-3'	internal primer for testing KO
Primer10	5'-CGTGCGAAGCGAAGGATGTG-3'	
Primer11	5'-AAAACCCGGGCGCATGGGCTCAAAGCACCCAAG-3'	over-expression
Primer12	5'-AAAAGGATCCCTACAGGTGGTGAACCTGTGTGGCAG-3'	