

S6 Table. Oligo sequences used for transgenic plasmid construction.

Name	Sequence 5'-3'	Restriction Enzyme Set PCR Product vs (Plasmid)
1. overexpression		
GNP1OEF	ATGAGCATGGTGGTGCAGCAG	(SmaI)
GNP1OEF	ACGCGCCATGGTACTAGGAGTATATTGTTGGTTGCAGGTGAC	NcoI(NcoI)
2. amiRNAi		
GNP1-miR-s	agTATATATCTAAGCCGGAGCTAcaggagattcagttga	
GNP1-miR-a	tgTAGCTCCGGCTTAGATATATActgctgctgctacagcc	
GNP1-miR*s	ctTAGCTGCGGGTTAGATATATAAttcctgctgctaggctg	
GNP1-miR*a	aaTATATATCTAACCCGCAGCTAagagaggcaaaagtga	
primer G-11491	TCGGTACCCAGCAGCAGCCACAGCAAAA	KpnI(KpnI)
primer G-11494	TCTCTAGAGCTGCTGATGCTGATGCCAT	XbaI(XbaI)
3. complementary test		
GNP1pf	ACGCGGAGCTCGCTGTTGCGATGGTTGAGACGA	SacI(SacI)
GNP1pr	CCATATGAACTGCGACGGGATCTC	
GNP1cf	GAGATCCCGTCGCAGTTCATATGG	
GNP1cr	ACGCGACGCGTATCGCACCGTGTTCGGTCC	MluI(MluI)