

Vector Constructs

517aF	TGGGCGGCAGAGTGAGACTCCGTGTCAAAAAAAAAAGAAGATCTCAGGCAGTGACCCCTAGATGGAAGCACTGTCTGTG
517aR	AAAAAGCTTGCTCTCAAACAGTAACACTCTAAAGGGATGCACGATCTTTCTTTTATACAACAGACAGTGCTTCCATCTAG
517cF	TGATTTGCTGTTTAGGTGTGGGCATCTTTTTTGTTCCTAATTTTAAGTATAGGACAA
517cR	GTGCTTCCATCTAGAGGGTCACATGCCTGAGATCTTCTTGTCTCCAGTACTCTGGG
flaczRrtpcr	AAAAAAACGAATTTCTGCAGATATCCATC
rlaczRrtpcr	AAAAAAACGTGACCTATCCATTACGTGACAGGAA
Lacz_targ_f	TTCTCGAGCGGTTACGATGCGCCCATCTACACCAACGTGACCTATCCATTACGGTCAA
Lacz_targ_r	AAGCGCCCGGGGAACAACCGCGGATTGACCGTAATGGGATAGGTCACGTTGGTGT
517a targ f	AACTCGAGAACACTCTAAAGGGATGCACGATAAAACACTCTAAAGGGATGCA
517a targ r	AAGCGCCCGCATCGTGCATCCCTTTAGAGTGTTTTATCGTGCATCCCTTTAGAGTGTTTT
Shlacz_topo_R	AAAAAAACGTGACCTATCCATTACGTGACAGGAAGCGTAATGGGATAGGTCACGTTGATGGATATCTGCAGAATTCG

C19MC EST Cloning

ch19f517	AGAATSKCTTGAACCC
ch19fother	GCTGTTCTCTAGAAATYCAGCC
ch19R	CAACAGAMAGYGCTTCCMTSTAGAGGG

Small transcript northern

Bio100mer	Biotin-GGGCCGAGTGAGGAGAATAACATCACGAGTCCGGCGGCACGGAGTGGAGCAAGCGTGACAAGTCCACGTATGACCCGACCGACGATATCGAAGCCTAC
Bio18mer	Biotin-GCAAGCGTGACAAGTCCACG
Bio50mer	Biotin-GCAAGCGTGACAAGTCCACGTATGACCCGACCGACGATATCGAAGCCTAC
Bio75mer	Biotin-ACGAGTCCGGCGGCACGGAGTGGAGCAAGCGTGACAAGTCCACGTATGACCCGACCGACGATATCGAAGCCTAC
biomir517	Biotin-TAACACTCTAAAGGGATGCACGATC
bioshlacz	Biotin-CCACGTGACCTATCCATTACGGT
mir517anti	AACACTCTAAAGGGATGCACGA
Shlacz_topo_5_	TTTTTTTTGCACTGGATAGGGTAATGCACTGTCTTCGCATTACCCCTATCCAGTGCAACGGCCGCCAGTGTGCTGG

ChIP

poliii21f	CTAAGTGCCACCAGACAGAAGGACC
poliii21r	CCACCTTGTCGGGTAGCTTATCAGAC
gapdhF	TCCACCACCCGTGTGCTGTA
gapdhR	ACCACAGTCCATGCCATCAC
trna-glu-F	AAGGCGCATCTCTAGTTTCAGTGG
trna-glu-R	AAACAGGAACGGTGTGTCGTGAG
515F	TTGAGATGGAGTCTTACTCTTGCCAGTCTGGAGTGCAGTGGCAGATCTCGGCTCACTGC
515R	AGTGCTTTCTTTTGGAGAATGACTGCATGAGATCTTCTCACTCCAAAACCTCTGGG
106f	TTTCTCGAGCCCTGCTGGCTATCCTGCGCCTTTCC
106r	AAACTAGTAGTTTGGAGCCCCAGGACTGAGGTCC
517af	TGGGCGGCAGAGTGAGACTCCGTGTCAAAAAAAAAAGAAGATCTCAGGCAGTGACCCCTAGATGGAAGCACTGTCTGTG
517ar	AAAAAGCTTGCTCTCAAACAGTAACACTCTAAAGGGATGCACGATCTTTCTTTTATACAACAGACAGTGCTTCCATCTAG
519a1f	GCCTGTGGTCTGTCTGGAGGATGTTTGTGTGTGTGACAATG
519a1r	TTTTTTACTAGTGCCCAACATCATCCAAGTCTGATTATAAGCATTCGCTGCAAATTTATTACCAAGATCAGCATCAGC

Supplementary Table 5. Oligonucleotide master list. All oligonucleotides were synthesized commercially (Integrated DNA Technologies, Coralville, IA) at either 25 or 100 nM scale.) “Ch19” refers to the C19MC. “21”, “515”, “517”, “519” and “106” refer to human miRNAs. “Targ” refers to a siRNA or miRNA antisense. “Topo” refers to the Topo-TA 2.1 vector (Invitrogen, Carlsbad, CA).