

**Supplementary Table 2. Oligonucleotides used in this study**

name	Sequence (5'-3')	Target /Origin
shLuc1f	GATCCCC <b>GCCTTTACCGACGCACATAT</b> TTCCAAGAGA <b>ATATGTGCGTCGGTAAAGGC</b> TTTTTGCATGCC	Luciferase (pGL4) RNAxs <sup>1</sup>
shLuc1r	TCGAGGCATGCAAAAAGCCTTTACCGACGCACATATTCTCTTGAAATATGTGCGTCGGTAAAGCGGG	
shLuc2f	GATCCCC <b>CTGCCCTGCTGGTGGCCACAC</b> TTCCAAGAGAG <b>TGTGGCACCAGCAGGGCAG</b> TTTTTGCATGCC	Luciferase (pGL4) Adapted from <sup>2</sup>
shLuc2r	TCGAGGCATGCAAAAAGCTGCCCTGCTGGTGGCCACACTCTCTTGAAAGTGTGGCACCAGCAGGGCAGGGG	
shGFPf	GATCCCC <b>AGCTGGAGTACAAC</b> TACAACCTTCCCTGTCA <b>GTTGTAGTTGTACTCCAGCT</b> TTTTTGCATGCC	eGFP
shGFPf	TCGAGGCATGCAAAAAGCTGGAGTACAACACTACAACGACAGGAAGGTTGTAGTTGTACTCCAGCTGGG	
shApoBf	GATCCCC <b>GAGAGTTAATCTTTTCAGTAA</b> TTCCAAGAGAT <b>TATTGAAGAGATTAGCTCTC</b> TTTTTGCATGCC	hApoB <sup>3</sup>
shApoBr	TCGAGGCATGCAAAAAGAGAGCTAATCTCTTCAATAATCTCTTGAATTACTGAAAAGATTAACCTCTCGGG	
U1L1f	GATCTCAATAGTCTTGCGCAGGGGAGATACCAT	Luciferase (pGL4)
U1L1r	GATCATGGTATCTCCCCTGC <b>GCAAGACTAT</b> TGA	
U1L2f	GATCTCATGATCAGGCTGCAGGGGAGATACCAT	Luciferase (pGL4)
U1L2r	GATCATGGTATCTCCCCTGC <b>AGCTGATCA</b> TGA	
U1L3f	GATCTCATGTTGCAGCAGCAGGGGAGATACCAT	Luciferase (pGL4)
U1L3r	GATCATGGTATCTCCCCTGC <b>TGCTGCAACA</b> TGA	
U1L4f	GATCTCAAGAATCTCGCGCAGGGGAGATACCAT	Luciferase (pGL4)
U1L4r	GATCATGGTATCTCCCCTGC <b>GCGAGATTCT</b> TGA	
U1L5f	GATCTCAATTACACGGCGCAGGGGAGATACCAT	Luciferase (pGL4)
U1L5r	GATCATGGTATCTCCCCTGC <b>GCCGTGTAAT</b> TGA	
U1L6f	GATCTCAAGTGGCACCTGCAGGGGAGATACCAT	Luciferase (pGL4)
U1L6r	GATCATGGTATCTCCCCTGC <b>AGGTGCCACT</b> TGA	
U1L7f	GATCTCACGGTAAAGGCGCAGGGGAGATACCAT	Luciferase (pGL4)
U1L7r	GATCATGGTATCTCCCCTGC <b>GCCTTTACCG</b> TGA	
U1L8f	GATCTCAATATGTGCGTGCAGGGGAGATACCAT	Luciferase (pGL4)
U1L8r	GATCATGGTATCTCCCCTGC <b>ACGCACATAT</b> TGA	
U1H1f	GATCTCACTGGAAGGCCGCAGGGGAGATACCAT	hHuntingtin
U1H1r	GATCATGGTATCTCCCCTGCGGCTTCCAGTGA	
U1H4f	GATCTCATTGCCTGGCCGCAGGGGAGATACCAT	hHuntingtin
U1H4r	GATCATGGTATCTCCCCTGCGGCCAGGCAATGA	
U1Cf	GATCTCATACTTACCTGGCAGGGGAGATACCAT	U1wt <sup>4</sup>
U1Cr	GATCATGGTATCTCCCCTGCCAGGTAAGTATGA	
pr59	AATGGGCGGTAGGCGTGTA	CMV qPCR
pr60	AGGCGATCTGACGTTCACTAA	
pr484	CGAGTTTGGCACATTTGGCC	U1 qPCR
pr486	GGGAGATACCATGATCACGAA	
pr480	CAGCCATGTACGTTGCTATCCAGG	hActin qPCR
pr481	AGGTCCAGACGCAGGATGGCATG	
pr530	ACGGCCAGGTCATCACTATTG	mActin qPCR
pr531	CAAGAAGGAAGGCTGAAAAGA	

Luciferase, GFP, and ApoB sequences in the shRNA and U1i oligonucleotides are in bold

### Reference List

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2. Malik I, Garrido M, Bahr M, Kugler S, Michel U. Comparison of test systems for RNA interference. *Biochem Biophys Res Commun* 2006; **341**: 245-253.
3. Liao W and Ning G. Knockdown of apolipoprotein B, an atherogenic apolipoprotein, in HepG2 cells by lentivirus-mediated siRNA. *Biochem Biophys Res Commun* 2006; **344**: 478-483.
4. Fortes P, Cuevas Y, Guan F, Liu P, Pentlicky S, Jung SP *et al.* Inhibiting expression of specific genes in mammalian cells with 5'end-mutated U1 small nuclear RNAs targeted to terminal exons of pre-mRNA. *Proc Natl Acad Sci USA* 2003; **100**: 8264-8269.