

siRNA Oligos	
Against myosin VI	Sequence (5'-3')
Myosin VI Oligo 2	CAAGGAGTTATGCTGACATAATTCT
Myosin VI Oligo 3	GAGGCTGCACTAGATACTTTGCTAA
Against optineurin	Sequence (5'-3')
Optineurin Oligo 1	GCATTGTCTAAATATAGGATT
Optineurin Oligo 2	GGAGACTGTTGGAGCGAATT

shRNA	
Against myosin VI	Sequence (5'-3')
shRNA against Myosin VI motor domain Rev	TGGAATATTGTGCTGAATTATTCAAGAGATAATTCAGCACAATATTCTTTTTTC
shRNA against Myosin VI motor domain For	TCGAGAAAAAAGGAATATTGTGCTGAATTATCTCTTGAATAATTCAGCACAATATTCCA

DNA Oligos	
For RT-PCR	Sequence (5'-3')
Isoform detection by PCR For	CCGAGCTCATCAGTGATGAGGC
Isoform detection by PCR Rev	CCAAGCATGATACACTTTTAGTCTCC
DNA Oligos for isoforms generation	Sequence (5'-3')
Isoform 2 For	GGTACTAAGAAATATGATCTTAGTAAATGG
Isoform 2 Rev	TCTCCGCAGCGCCAGGTCGGC
Isoform 3 For	CCGGTGACAAGCAAAAATGATGGAACAAGACCCAAAATGA
Isoform 3 Rev	ATAGCTATCCAGGCTCCGCAGCGCCAGGTCGGCC
DNA Oligos for mutagenesis	Sequence (5'-3')
Mutagenesis RRL/AAA For	CTTGACAGAGAAGAATTTTCATGCGGCAGCAAAAGTGTATCATGCTTGGAAATC
Mutagenesis RRL/AAA Rev	GATTTCCAAGCATGATACACTTTTGCTGCCGCATGAAATTCTTCTCTGCAAG
Mutagenesis RRL/RRA For (L1118A)	CTTGACAGAGAAGAATTTTCATAGGAGAGCAAAAGTGTATCATGCTTGGAAATC
Mutagenesis RRL/RRA Rev (L1118A)	GATTTCCAAGCATGATACACTTTTGCTCTCCTATGAAATTCTTCTCTGCAAG
Mutagenesis RRL/ARL For (R1116A)	CTTGACAGAGAAGAATTTTCATGCGAGACTAAAAGTGTATCATGCTTGGAAATC
Mutagenesis RRL/ARL Rev (R1116A)	GATTTCCAAGCATGATACACTTTTAGTCTCGCATGAAATTCTTCTCTGCAAG
Mutagenesis RRL/RAL Rev (R1117A)	GCAGAGAAGAATTTTCATAGGGCACTAAAAGTGTATCATGCTTGG
Mutagenesis RRL/RAL Rev (R1117A)	CCAAGCATGATACACTTTTAGTGCCCTATGAAATTCTTCTCTGC
Mutagenesis WWY/WLY For (W1192L)	CCCTCAGAGTAAGAAAAAAGGCTGGTTGTATGCCATTTTGATGGACC
Mutagenesis WWY/WLY Rev (W1192L)	GGTCCATCAAATGGGCATACAACCAGCCTTTTTTCTTACTCTGAGGG
Mutagenesis M1062Q For	CCGGAACAAATGGCCAAAGAACAGTCAGAATTTTGAGTAGAGG
Mutagenesis M1062Q Rev	CCTCTACTCAAAAATTCTGACTGTTCTTTGGCCATTTGTTCCGG