

Supplementary Information

Table S1. The sequences of miRNA binding sites cloned in reporter constructs.

miRNA	Construct strand	Sequence 5'-3'
miR-137	WT 1	AAAGTGGAGCTCGGGACGGATAGTAGACAGCAATAAAGCTCGGTGTGTT
	WT 2	CTAGAACACACCGAGTTATTGCTGTCTACTATCCGTCCCGAGCTCCACTTT
	MUT 1	AAAGTGGAGCTCGGGACGGATAGTAGACATCGACAAGCTCGGTGTGTT
	MUT 2	CTAGAACACACCGAGTTGTCGATGTCTACTATCCGTCCCGAGCTCCACTTT
	PM 1	AAAGTGGAGCTCGCTACGCGTATTCTTAAGCAATAAAGCTCGGTGTGTT
	PM 2	CTAGAACACACCGAGTTATTGCTTAAGAATACGCGTAGCGAGCTCCACTTT
miR-214	WT 1	AAACTGTGGGGAGATTGCTTTTGTTCCTGCTGGTAATATCGGGTT
	WT 2	CTAGACCCGATATTACCAGCAGGAAAACAAAAGCAATCTCCCCACAGTTT
	MUT 1	AAACTGTGGGGAGATTGCTTTTGTTCCTGCTGGTAATATCGGGTT
	MUT 2	CTAGACCCGATATTACCGGAGGTAAAACAAAAGCAATCTCCCCACAGTTT
	PM 1	AAACTGTGGGGAGAAACTGCCTGTCTGTGCTGCTGTATATCGGGTT
	PM 2	CTAGACCCGATATACAGCAGGCACAGACAGGCAGTTTCTCCCCACAGTTT
miR-148a	WT 1	AAATGAAACCAGGGTAGAATTGTTTGGCAATGCACTGAAGCGTGTT
	WT 2	CTAGAACACGCTTCAGTGCATTGCCAAACAATTCTACCCTGGTTTCATTT
	MUT 1	AAATGAAACCAGGGTAGAATTGTTTGGCAAGGAACGAAGCGTGTT
	MUT 2	CTAGAACACGCTTCGTTCTTTGCCAAATTCTACCCTGGTTTCATTT
	PM 1	AAATGAAACCAGGACAAAGTTCTGTAGTGCCTGATGAAGCGTGTT
	PM 2	CTAGAACACGCTTCATCAGTGCCTACAGAACTTTGTCCTGGTTTCATTT

Table S2. Oligodeoxynucleotide sequences used as miRNA mimics.

Mimic name	Strand	Sequence 5'-3'
miR-137	antisense	UUAUUGCUUAAGAAUACGCGUAGUC
	sense	CUACGCGUAUUCUUAAGCAAUAAUU
isomiR-137+1	antisense	GUUAUUGCUUAAGAAUACGCGUAG
	sense	ACGCGUAUUCUUAAGCAAUAAUU
isomiR-137-1	antisense	UAUUGCUUAAGAAUACGCGUAGUC
	sense	CUACGCGUAUUCUUAAGCAAUAAUU
miR-214	antisense	ACAGCAGGCACAGACAGGCAGUCA
	sense	ACUGCCUGUCUGUGCCUGCUGUUU
isomiR-214+1	antisense	UACAGCAGGCACAGACAGGCAGUCA
	sense	ACUGCCUGUCUGUGCCUGCUGUAAU
isomiR-214-1	antisense	CAGCAGGCACAGACAGGCAGUCA
	sense	ACUGCCUGUCUGUGCCUGCUGUU
isomiR-214+2	antisense	GUACAGCAGGCACAGACAGGCAGUCA
	sense	ACUGCCUGUCUGUGCCUGCUGUACUU
miR-148a	antisense	UCAGUGCACUACAGAACUUUGUCU
	sense	ACAAAGUUCUGUAGUGCACUGAUU
isomiR-148a+1	antisense	GUCAGUGCACUACAGAACUUUGUCU
	sense	ACAAAGUUCUGUAGUGCACUGACUU
isomiR-148a-1	antisense	CAGUGCACUACAGAACUUUGUCU
	sense	ACAAAGUUCUGUAGUGCACUGUU

Table S3. Oligodeoxynucleotide sequences used as northern blot probes.

Detected sequence	Probe sequence
miR-137-3P	CTACGCGTATTCTTAAGCAATAA
miR-214-3P	ACTGCCTGTCTGTGCCTGCTGT
miR-148a-3P	ACAAAGTTCTGTAGTGCACTGA

Figure S1. Reduction in the huntingtin protein levels after treatment with canonical miRNAs.

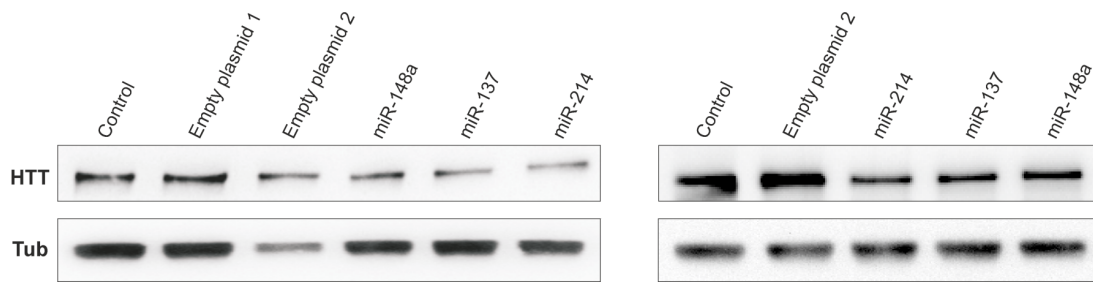
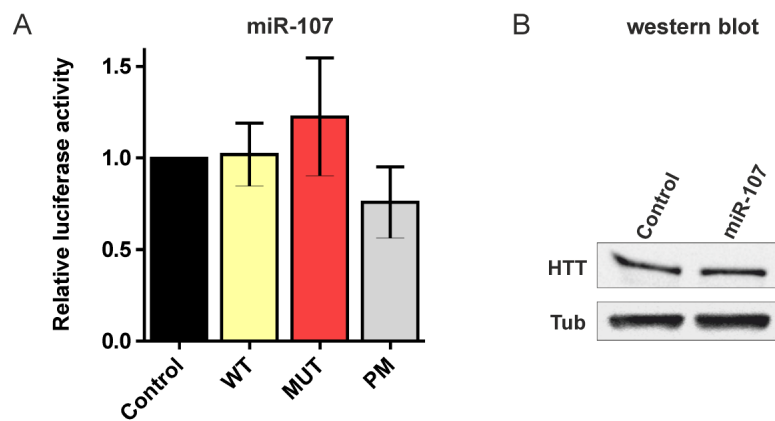


Figure S2. Lack of regulation of the huntingtin expression by miR-107.



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