

miR-1, miR-10b, miR-155 and miR-191 are novel regulators of BDNF

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Kärt Varendi, Anmol Kumar, Mari-Anne Härma and Jaan-Olle Andressoo*

Institute of Biotechnology, University of Helsinki, 00014, Finland

*To whom correspondence should be addressed. Tel. +358 50 358 1213; E-mail: jaan-olle.andressoo@helsinki.fi

Online resource 1

List of used PCR and qPCR primers

PCR primers	Forward	Reverse
BDNF 3'UTR	GCTTCTAGATGGATTTATGTTGTATAGATTATATTG	CACTCTAGAACTTTGAAAATATATTTAAAAACATTAA
BDNF short 3'UTR	GCATCTAGATGGATTTATGTTGTATAGATTATAT	CAGTCTAGAATCTGTTTTCTGAAAGAGGGAC
miR-1-1 mutant	TCATCCAT CGATAATGTTGTGGTTTGTTGC	AATGCAGACTTTTAAAGTTGTGC
miR-1-2/30/191 mutant	TCACT CATTTTAGACACTAAGTATCTTCG	AACTAG TTTTGGTTCCAATTTTTGTTTTTG
miR-1-3 mutant	TCATCCATAA AGGAAGGCTCGGAAGCAC	CTCAAGTACCATTCCCCACC
miR-10 mutant	TGAGCAAG AATTATTCAGTTAAGAAAAAATAAT	TATGTATATATACAAATAGATAATT
miR-155 mutant	TAACCACATCAGAAGCCTATTG	AGTTTAAAT AT CAATTTTTTCAATAAC

QPCR primers	Forward	Reverse	Accession number	Amplicon length	Efficiency
Homo sapiens actin, beta	CCAACCGCGAGAAGATGA	CCAGAGGCGTACAGGGATAG	NM_001101.3	97 nt	1,942
Homo sapiens BDNF (long 3'UTR, transcript variants 1-18)	GAGCCCTGTATCAACCCAGAA	TGCCAACTCCACATAGCCTC	NM_170735.5	100 nt	1,902
Homo sapiens BDNF (CDS, transcript variants 1-18)	GTAACGGCGGCAGACAAA	GACCTTTTCAAGGACTGTGACC	NM_170735.5	69 nt	1,798
Mus musculus actin, beta	CCAGTTCGCCATGGATGAC	GAGCCGTTGTCGACGACC	NM_007393.3	51 nt	1,804
Mus musculus BDNF (CDS, transcript variants 1-4)	TACCTGGATGCCGCAAACAT	GCTGTGACCCACTCGCTAAT	NM_007540.4	104 nt	1,919