

Table 1. Primer sequences used

Gene	Forward	Reverse
DHFR	5'-CATGGTCTGGATAGTTGGTGGC-3'	5'-GTGTCACCTTCAAAGTCTTGCATG-3'
KIF5C	5'-CTGCAACTGGAACAGGAGAAGC-3'	5'-GAGGTCTTCTCTGGCTTGTTCC-3'
MSH3	5'-GCCTTGTCCGAGCAAACAGAGG-3'	5'-AACTGCCTGGAAAGCATGGCTG-3'
APP	5'-CCTTCTCGTTCCTGACAAGTGC-3'	5'-GGCAGCAACATGCCGTAGTCAT-3'
APOE	5'-GGGTCGCTTTTGGGATTACCTG-3'	5'-GGGTCGCTTTTGGGATTACCTG-3'
TAU	5'-CCAGTCCAAGTGTGGCTCAAAG-3'	5'-GCCTAATGAGCCACACTTGGAG-3'
SNCA	5'-ACCAAACAGGGTGTGGCAGAAG-3'	5'-CTTGCTCTTTGGTCTTCTCAGCC-3'

Table 2. Antibodies used

Manufacturer	Antibodies
Abclone	MSH3, GAPDH, TAU, p-Tau (181)
CST	ACTIN, Tubuline, ApoE4, DHFR, KIF5C, p-Tau (217)
Proteintech	PSD95, SNCA, GSK-3B

Table 3. MiR sequences

MiR	Sequence
hsa-mir-1974	MI0009984UGUUCUUGUAGUUGAAAUACAACGAUGGUUUU UCAUAUCAUUGGUCGUGGUUGUAGUCCGUGCGAGAAUA
hsa-mir-1977	MI0009987UUGAUUAGGGUGCUUAGCUGUUAACUAAGUGU UUGUGGGUUUAAGUCCCAUUGGUCUAGUAAGGGCUUAGC UUAUUUA
hsa-mir-1978	MI0009988UAGACGGGCUCACAUCACCCCAUAAACAAUA GGUUUGGUCCUAGCCUUUCUA