

Table 1: Synaptic microRNAs detected in cognitive diseases

Synaptic microRNA ¹	Disease	Literature (PMID)
mmu-miR-7a-5p#	Depression	32304043
mmu-miR-125b-5p*	Alzheimer's disease	31240600
mmu-miR-30d-5p#	Schizophrenia	32304043
mmu-miR-29a-3p#	Alzheimer's disease; Schizophrenia	31240600; 32304043
mmu-miR-181a-5p#	Alzheimer's disease	31240600; 29121998; 32304043
mmu-miR-30a-5p#	Schizophrenia	32304043
mmu-miR-125a-5p	Alzheimer's disease	31240600
mmu-let-7d-5p*	Schizophrenia	32304043
mmu-miR-99b-5p#	Alzheimer's disease	29121998
mmu-miR-26b-5p#	Schizophrenia	32304043
mmu-let-7e-5p*	Alzheimer's disease	29121998
mmu-miR-29b-3p#	Schizophrenia	32304043
mmu-miR-30e-5p#	Schizophrenia	32304043
mmu-miR-24-3p*	Schizophrenia	32304043
mmu-miR-330-5p	Depression/Bipolar disease	32304043
mmu-miR-146a-5p#	Alzheimer's disease	31240600; 31437718
mmu-miR-132-3p#	Alzheimer's disease	24014289; 31240600

1: ranked by expression level in synaptosomes (top to down)

*also detected in synaptic compartment of primary neurons grown in microfluidic chambers

#also detected in astrocytic exosomes