

Table S1. Microarrays analyzed in this study.

Accession number	Brain region	Description of samples	Platform
GSE110298	hippocampus	Physical activity level Low: 11 Moderate: 11 High: 12	Affymetrix Human Genome U133 Plus 2.0 Array
GSE48350	hippocampus	AD: 19 HC: 43	Affymetrix Human Genome U133 Plus 2.0 Array
GSE84422	hippocampus	AD:18 HC:11	Affymetrix Human Genome U133A Array
GSE36980	hippocampus	AD:7 HC:10	Affymetrix Human Gene 1.0 ST Array
GSE13162	Hippocampus Frontal cortex	FTD-GRN(+): 5 FTD-GRN(-): 8 HC: 2	Affymetrix Human Genome U133A Array
GSE7621	Substantia nigra	PD:16 HC: 9	Affymetrix Human Genome U133 Plus 2.0 Array
GSE8397	Substantia nigra	PD:24 HC:23	Affymetrix Human Genome U133 Array Set HG-U133A
GSE3790	Caudate nucleus	HD:13 HC:32	Affymetrix Human Genome U133 Array Set HG-U133A

AD: Alzheimer's disease; HC: Healthy controls; FTD-GRN (+): Frontotemporal dementia with progranulin mutations; FTD-GRN (-): Frontotemporal dementia without progranulin mutations; PD: Parkinson's disease; HD: Huntington's disease