

数据集编号 (Dataset ID)	动物模型	分析方法	细胞×基因	文献标题
GSE150358	5XFAD	scRNA-seq	47445×30501	Anti-human TREM2 induces microglia proliferation and reduces pathology in an Alzheimer's disease model
GSE153895	P301L、TauPS2APP	scRNA-seq	66002×52636	Trem2 restrains the enhancement of tau accumulation and neurodegeneration by β -amyloid pathology
GSE156183	5XFAD	scRNA-seq	94488×31054	Prior activation state shapes the microglia response to antihuman TREM2 in a mouse model of Alzheimer's disease.
GSE160512	PS2APP	scRNA-seq	47374×52636	"TREM2-independent oligodendrocyte, astrocyte, and T cell responses to tau and amyloid pathology in mouse models of Alzheimer disease."
GSE163725	5xFAD	scRNA-seq	12917×31053	"Aging-associated deficit in CCR7 is linked to worsened glymphatic function, cognition and amyloid beta pathology"
GSE164507	P301S	snRNA-seq	96252×33457	Selective removal of astrocytic APOE4 strongly protects against tau-mediated neurodegeneration and decreases synaptic phagocytosis by microglia
GSE164674	5xFAD	scRNA-seq	30872×31342	C9orf72 deficiency promotes microglial-mediated synaptic loss in aging and amyloid accumulation
GSE176032	5xFAD	scRNA-seq	19252×28692	Progranulin–glucocerebrosidase complex regulates tau and alpha-synuclein inclusions to alter phenotypes in tauopathy
GSE180672	P301S	snRNA-seq	205286×31053	"CSF1R inhibition rescues tau pathology and neurodegeneration in an A/T/N model with combined AD pathologies, while preserving plaque associated microglia"
GSE198014	P301S	snRNA-seq	114118×31053	Microglial NF- κ B drives tau spreading and toxicity in a mouse model of tauopathy
GSE217854	P301S	snRNA-seq	178414×32287	"The APOE-R136S mutation protects against APOE4-driven Tau pathology, neurodegeneration and neuroinflammation"
GSE221215	P301S	snRNA-seq	99114×32287	"Neuronal APOE4 removal protects against tau-mediated gliosis, neurodegeneration and myelin deficits"
GSE230116	5xFAD	scRNA-seq	64303×26621	BACE1 regulates expression of Clusterin in astrocytes for enhancing clearance of β -amyloid peptides
GSE241553	APP/PS1	scRNA-seq	158802×31053	Cell-autonomous effects

of APOE4 in restricting microglial response in brain homeostasis and Alzheimer's disease

GSE242153 P301S snRNA-seq 172502×32287 APOE4-promoted gliosis and degeneration in tauopathy are ameliorated by pharmacological inhibition of HMGB1 release

GSE245201 APP/PS1 snRNA-seq 160777×32285 Deep brain stimulation of thalamic nucleus reuniens promotes neuronal and cognitive resilience in an Alzheimer's disease mouse model

GSE254104 P301S snRNA-seq 214966×32285 Alzheimer's disease-linked risk alleles elevate microglial cGAS-associated senescence and neurodegeneration in a tauopathy model

ORCID:0000-0002-0326-5878 \ scRNA-seq 1162565×32285 Brain-wide cell-type-specific transcriptomic signatures of healthy ageing in mice