

Virus	Description/Use	Source
AAV5. <i>GfaABC1D</i> ::tdTomato	<i>GfaABC1D</i> promoter driven expression of tdTomato.	Addgene #44332-AAV5
AAV5. <i>GfaABC1D</i> ::LcK-EGFP	<i>GfaABC1D</i> promoter driven insertion of EGFP into astrocyte plasmalemma to label astrocytes	Addgene #105598-AAV5
AAV1.CAG.Flex::Ruby2sm-FLAG	Cre-recombinase dependent CAG promoter driven delivery of FLAG tagged non-fluorescent variant of mRuby2 to label neurons for dendritic spine analysis	Addgene #98928-AAV1
rgAAV. <i>hSyn</i> ::Cre-WPRE.hGH	Human synapsin promoter driven retrograde delivery of cre-recombinase to neurons	Addgene #105553-AAVrg
AAV5. <i>GfaABC1D</i> ::shTSP2-GFP	<i>GfaABC1D</i> promoter driven expression of GFP, with a custom microRNA targeting TSP2 present in the 3' UTR of GFP.	Gift from the laboratory of Dr. Yan Dong

Table S1: Names, descriptions and sourcing information for all AAV constructs used in these studies.