

## SUPPLEMENTAL MATERIAL

Takahashi et al., <http://www.jem.org/cgi/content/full/jem.20140413/DC1>**Table S1.** Glutamate uptake raw data

Pup	Total [ <sup>3</sup> H]glutamate uptake		DHK-sensitive [ <sup>3</sup> H]glutamate uptake		Percent inhibition of total glutamate uptake by DHK	
	-Aβ	+Aβ	-Aβ	+Aβ	-Aβ	+Aβ
	<i>fmol/mg/min</i>	<i>fmol/mg/min</i>	<i>fmol/mg/min</i>	<i>fmol/mg/min</i>	%	%
WT pup #1	159.95 ± 7.38	175.91 ± 4.43	37.97 ± 5.21	11.37 ± 4.43	24.3 ± 2.5	6.4 ± 2.4
WT pup #2	236.43 ± 3.66	216.78 ± 3.02	35.53 ± 0.42	7.19 ± 3.02	15.2 ± 0.2	3.3 ± 1.3
WT pup #3	185.40 ± 4.78	155.65 ± 2.56	37.20 ± 3.38	8.07 ± 2.56	20.3 ± 1.5	5.2 ± 1.6
WT pup #4	129.51 ± 2.16	98.09 ± 0.62	27.65 ± 2.16	15.96 ± 0.62	21.3 ± 1.3	16.3 ± 0.5
WT pup #5	168.05 ± 3.25	135.89 ± 4.42	30.68 ± 1.43	20.46 ± 4.42	18.5 ± 0.7	15.0 ± 2.8
EAAT2 pup #1	279.30 ± 8.72	280.50 ± 2.19	43.38 ± 6.17	35.99 ± 2.19	15.3 ± 1.8	12.8 ± 0.7
EAAT2 pup #2	262.89 ± 8.49	263.72 ± 5.20	50.78 ± 3.04	39.30 ± 5.20	19.0 ± 0.9	14.9 ± 1.7
EAAT2 pup #3	257.16 ± 1.77	254.78 ± 12.73	32.24 ± 1.77	30.92 ± 12.73	12.5 ± 0.6	12.0 ± 4.3
EAAT2 pup #4	230.42 ± 4.44	232.95 ± 1.94	44.97 ± 4.44	36.86 ± 1.94	19.5 ± 1.5	15.8 ± 0.7

For total [<sup>3</sup>H]glutamate uptake and DHK-sensitive [<sup>3</sup>H]glutamate uptake, the values are the mean ± SD of triplicate.