

Precursor ion	Product ion	product
303.2	259.2	ARA
351.2	315.2	15-keto-PGF1a
351.2	307.2	20-hydroxy-PGF2a
351.2	271.2	PGE ₂ /PGD ₂
353.2	193.2	8-IsoPGF2 α
319.2	257.2	8-HETE/12-HETE
319.2	219.2	14,15 EET
319.2	208.2	12-HETE
319.2	203.2	5-HETE
319.2	167.2	11-HETE
319.2	163.2	8-HETE/12-HETE
319.2	219.2	15-HETE
319.2	191.2	5,6-EET
319.2	179.2	12-HETE

Table S1. MRM transitions for figure 2E.

Figure S1. Upper panels following methylene blue injection, and immediate harvesting of a mouse brain, showing the surface injection point, the distribution of a 5 μ l injection throughout the ventricular system to the base of the brain, and the needle track into the right lateral ventricle. Lower panel, left: cross section of a lateral ventricle harvested 3 days after a 5 μ l injection of radiolabeled arachidonic acid, demonstrating the absence of inflammatory changes. Lower panel, right: cross section of a lateral ventricle harvested 3 days after a 5 μ l injection of lipopolysaccharide, showing an inflammatory response.

Figure S2. ThioS stained cross section of an 18 month old J20 mouse, showing near-exclusive distribution of amyloid plaques in the hippocampus.

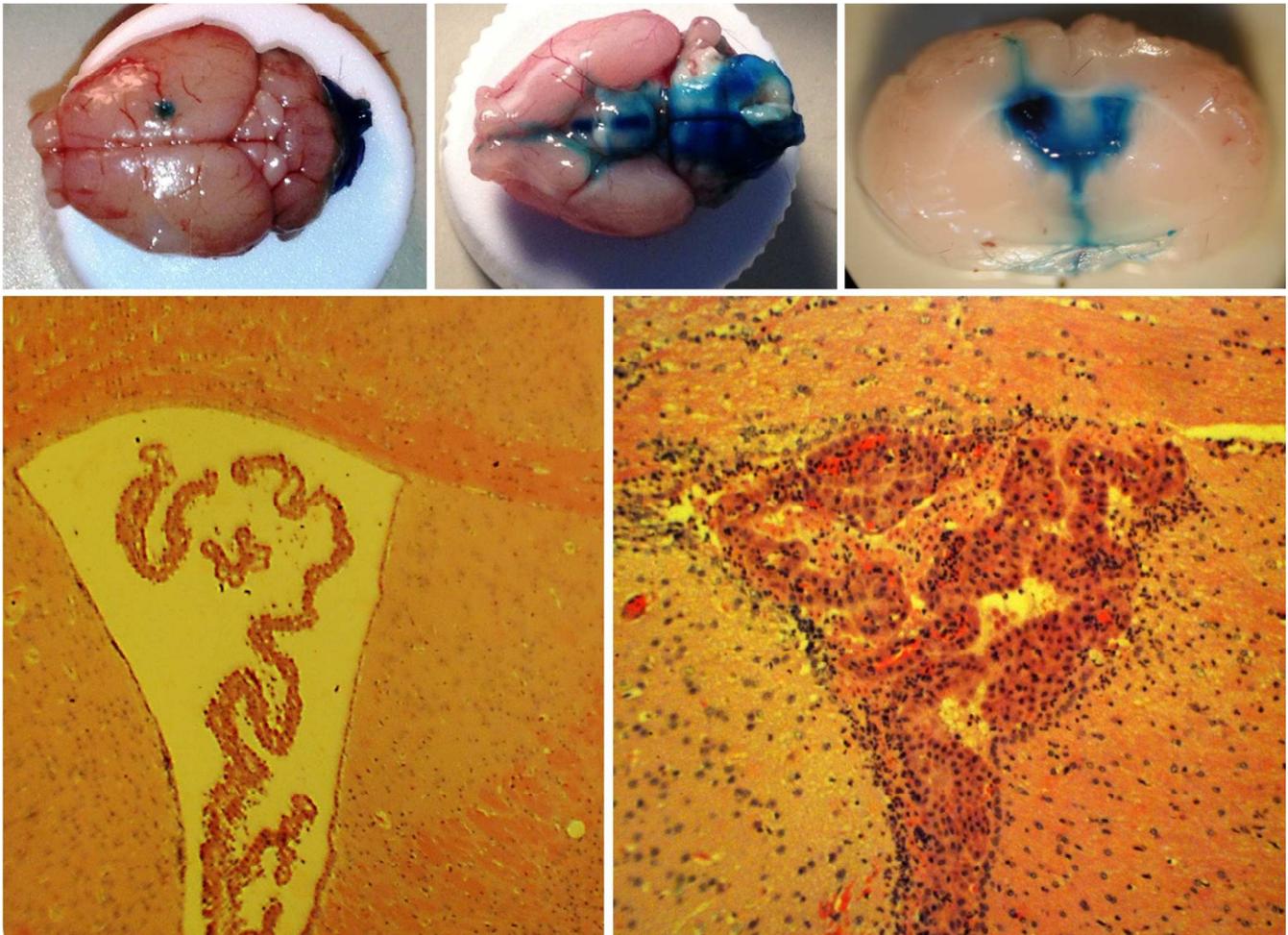


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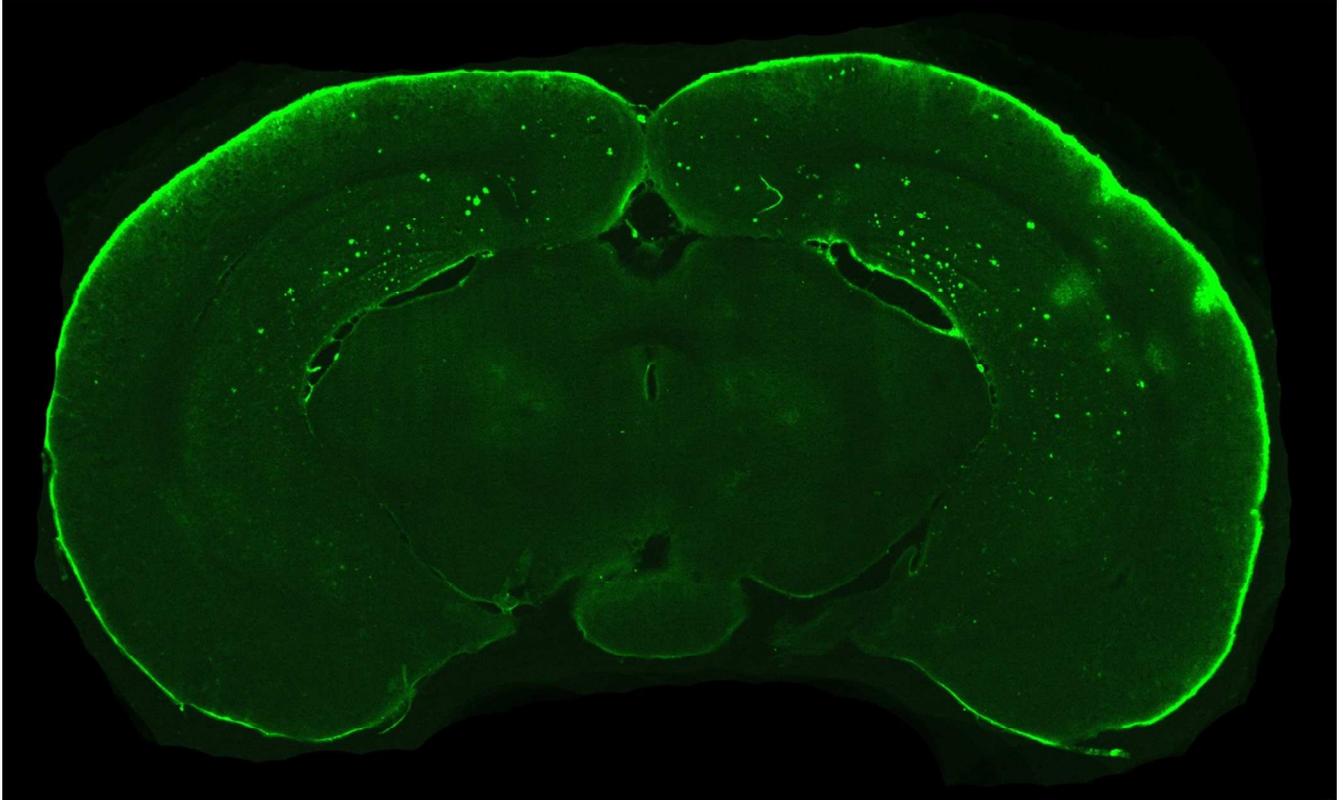


Figure S2. ThioS stained cross section of an 18 month old J20 mouse from the colony used for these experiments, showing near-exclusive distribution of amyloid plaques in the hippocampus.