Fig 1s. *In vivo* 3D-RARE $^{19}$F-microMR brain image for a 20-month-old transgenic mouse with a 60-min scan.

The figure shows the $^{19}$F MR image taken by a single 1 hour scan without averaging two data sets used to generate the image shown in Fig. 4g. A single 1 hour scan did not allow definite distinction between plaque-associated signals and non-specific noises due to a low signal-to-noise ratio. The size of the image shown here is identical to that of Fig. 4g. Bar: 2 mm.