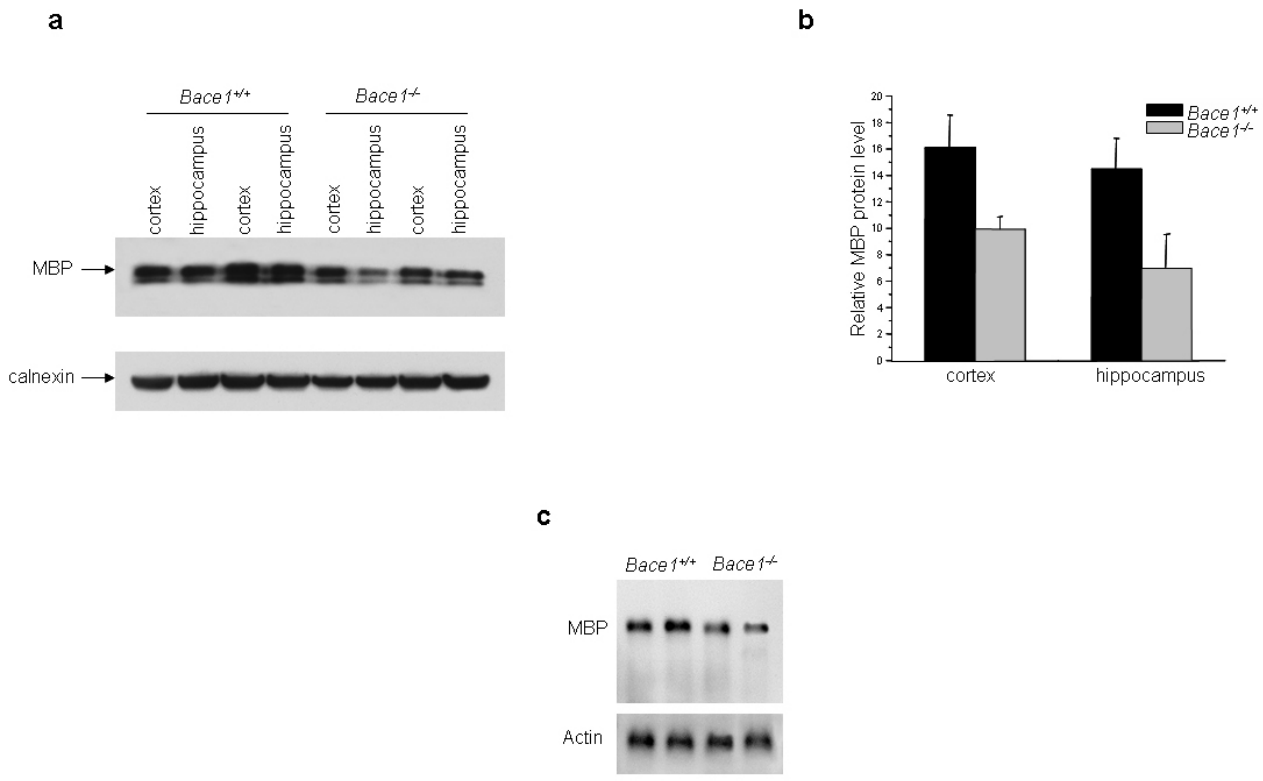


Suppl Figure 2 MBP is reduced in the cortex and hippocampus of BACE1–null mice. (a) MBP express sion in the cerebral cortex and hippocampus of BACE1–null mice and corresponding wild type litterr mate controls at the age of eight months (n=2) was measured via Western blot, with calnexin used as a loading control. (b) Quantification of protein levels showed that MBP expression was reduced by 38% in the cerebral cortex and 52% in the hippocampus of BACE1–null mice compared to wild type controls. (c) Total RNA was isolated from cerebral cortexes of two BACE1–null mice and their corree sponding wild type littermates for a standard Northern blot analysis. A DIG labeled probe correspond ing to the MBP coding region was prepared for detection of MBP mRNA (~1.8kb). Actin probe was provided in the DIG Northern Starter kit (Roche).