**Supplementary Figure 1.** Recruited animals by age and breed.



**Supplementary Figure 2.** A) Western blot analysis of GFAP levels in homogenates of cortex pools of cattle brains and (B) densitometric analysis. Each column represents the levels of GFAP expressed in cattle with a large amount of Aβ deposits in the brain (34593), with a small amount of Aβ deposits (16602), and GFAP levels in mouse brain used as control (Mouse). GAPDH runs in the same gel as loading control. MW, molecular weight.

A

B 

**Supplemetary Figure 3.** A) Western blot analysis of IBA-1 levels in the frontal cortex of cattle brains and (B) densitometric analysis. Each column represents the levels of IBA-1 expressed in cattle with a large amount of Aβ deposits in the brain (13145), and with a small amount of Aβ deposits (16602), and the levels of IBA-1 in mouse brain used as control (Mouse). GAPDH runs in the same gel as loading control. MW, molecular weight.

A

B 