

**Supplemental Fig. 1.** Scoring for gliosis and microglial reaction. **A-D**) Scoring for astrocytic response by GFAP immunostain: **A**) Score 0, **B**) Score 1, **C**) Score 2, **D**) Score 3. **E-H**) Scoring for micro-glial reaction using double immunostains (HLA-DR in brown and APP in red): **E**) Score 0, **F**) Score 1, **G**) Score 2, **H**) Score 2-3. Scale bars are 60  $\mu$ m in A-H.

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