



**Supplemental Figure S1. Lectin-binding analyses of brain cortices from Alzheimer's Disease (AD, n=4) patients compared to non-demented controls (NDC, n=4).** Brain extracts were incubated with *Sambucus nigra* (SNA) and *Wheat Germ Agglutinin* (WGA) lectins. Then unbound fraction was separated of bound fraction by centrifugation. The percentage over the total of AChE enzymatic activity not recognized by WGA (**A**) and SNA (**B**) was calculated. Binding of AChE protein was analysed by western blotting and the percentage of the 75-kDa immunoreactive AChE band that does not bind to the lectin respect to the AChE protein prior to lectin binding (100%) was calculated. Representative western blot for WGA (**C**) and SNA (**D**). An insert with more contrasted images of the bound fraction is included. To the right, densitometric quantification of bound immunoreactive 75-kDa band. The graphs represent mean  $\pm$  SEM.