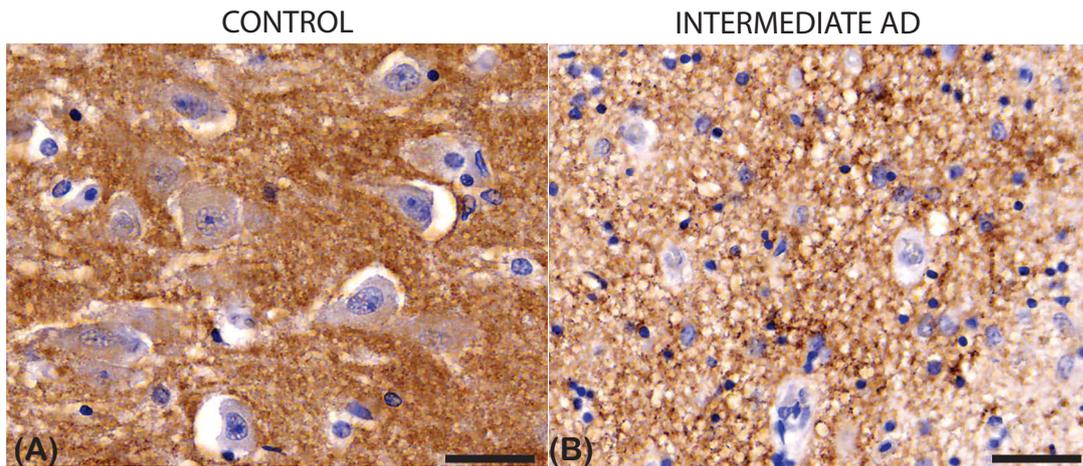


## Supplementary Data 2

### Synaptophysin



Images of Synaptophysin immunostaining in controls (A) and intermediate AD (B).

Supplementary Table 2A				
Percent area stained with Synaptophysin				
Region	Control	Intermediate AD	p Value	Significance
Entorhinal cortex	70 ± 2	47 ± 14	0.23	ns
Subiculum	76 ± 5	57 ± 7	0.026	*
CA1	67 ± 7	62 ± 7	0.59	ns
CA2	66 ± 8	57 ± 8	0.47	ns
CA3	63 ± 7	33 ± 6	0.0065	**
Dentate gyrus	64 ± 4	28 ± 6	0.0004	***

T-test for each ROI, mean ± SD, pvalue and significance  
 Data is analyzed as percent area stained with Synaptophysin immunostaining in 1mm<sup>2</sup> area in AD cases and in controls  
 Cornu Ammonis (CA); not significant (ns); \*(p<0.05);\*\*(p<0.01);\*\*\*(p<0.001)

Supplementary Table 2B			
Correlation: Ng+ cell counts and Synaptophysin			
Region			
Control	r	p Value	Significance
Entorhinal cortex	-0.11	0.83	ns
Subiculum	0.82	0.06	ns
CA1	0.75	0.06	ns
CA2	-0.16	0.73	ns
CA3	0.49	0.21	ns
Dentate gyrus	0.45	0.31	ns
Intermediate AD			
Entorhinal cortex	-0.59	0.41	ns
Subiculum	0.5	0.31	ns
CA1	-0.29	0.52	ns
CA2	0.6	0.15	ns
CA3	0.38	0.32	ns
Dentate gyrus	0.68	0.09	ns

Pearson's Correlation Coefficient for each ROI, the r statistic, pvalue and significance  
 Cornu Ammonis (CA); not significant (ns)