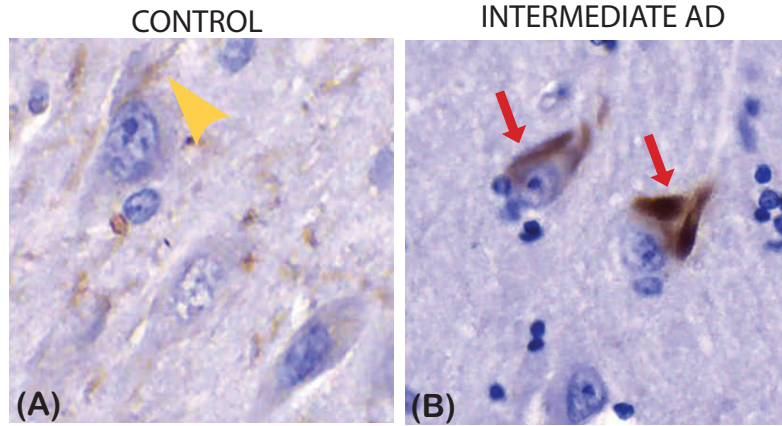


Supplementary Data 3

GT-38



Images of AD specific tau formation (GT-38). In controls, (A), sparse amounts of immunoreactivity is seen in the cytoplasm of a few neurons (yellow arrow head), whereas, the paired helical filament conformational formation is seen in a moderate density of the neurons in the intermediate AD (B) cases (red arrows).

Supplementary Table 3A				
GT-38 Immunopositive Neurons				
Region	Control	Intermediate AD	p Value	Significance
Entorhinal cortex	12 ± 4	42 ± 7	0.002	**
Subiculum	11 ± 4	43 ± 8	0.002	**
CA1	7 ± 2	47 ± 10	0.001	**
CA2	11 ± 3	39 ± 9	0.02	*
CA3	12 ± 1	42 ± 9	0.002	**
Dentate gyrus	8 ± 2	20 ± 4	0.006	**

T-test for each ROI, mean ± SD, pvalue and significance
 Counts are expressed as GT-38 positive neurofibrillary tangles (NFTs) in 1mm² area in AD cases and in controls.
 Cornu Ammonis (CA); *(p<0.05);**(p<0.01)

Supplementary Table 3B			
Correlation: Ng+ cell counts and conformational selective tau (GT-38) NFTs			
Control			
Region	r	p Value	Significance
Entorhinal cortex	-0.5	0.26	ns
Subiculum	0.22	0.63	ns
CA1	0.46	0.3	ns
CA2	0.3	0.4	ns
CA3	-0.07	0.88	ns
Dentate gyrus	-0.55	0.2	ns
Intermediate AD			
Entorhinal cortex	0.11	0.78	ns
Subiculum	-0.34	0.36	ns
CA1	-0.53	0.15	ns
CA2	0.12	0.73	ns
CA3	-0.42	0.26	ns
Dentate gyrus	0.35	0.36	ns

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