

Supplementary Table 1. Neuropathological Characteristics of OPTIMA heterozygous MAPT brain samples. The brain samples used in this study show no evident clinical or pathological signs of neurodegenerative disease. They have been examined for, and have shown no signs of, Alzheimer's disease, Parkinson's disease, or other neuropathology which may have affected cognitive function (Frontotemporal Dementias, Hippocampal sclerosis, Creutzfeldt-Jakob disease, Huntington's disease, or tumours).

Sample	Age	History of Dementia	History of Parkinsonism	CERAD Designation	Braak NFT Stage	Maximum Density of Neocortical Plaques			Maximum Density of Neocortical Tangles		
						Frontal	Temporal	Parietal	Frontal	Temporal	Parietal
1	85	No	No	Normal	I/II	sparse	sparse	sparse	none	none	none
2	87	No	No	Normal	I/II	sparse	sparse	sparse	none	sparse	none
3	87	No	No	Normal	I/II	none	none	none	none	none	none
4	82	No	No	Normal	III/IV	sparse	sparse	sparse	none	sparse	sparse
5	76	No	No	Normal	I/II	sparse	sparse	sparse	none	none	none
6	82	No	No	Normal	I/II	none	none	none	none	none	none
7	88	No	No	Normal	I/II	sparse	sparse	sparse	none	none	none
8	85	No	No	Normal	0	none	none	none	none	none	none
9	80	No	No	Normal	I/II	none	none	none	none	none	none
10	90	No	No	Normal	III/IV	none	none	none	none	sparse	none
11	59	No	No	Normal	0	none	none	none	none	none	none
12	84	No	No	Normal	I/II	none	none	none	none	none	none
13	85	No	No	Normal	III/IV	sparse	sparse	sparse	none	sparse	none
14	80	No	No	Normal	III/IV	sparse	sparse	sparse	none	sparse	none