

Supplementary Table 1. Demographic Information for TREM2^{R47H}, TREM2^{R62H}, and TREM2^{CV} AD cases used in IHC analysis

TREM2 Genotype	ApoE genotype	Sex	CDRe	Age	Braak
R47H	34	M	3	78.2	V
R47H	33	F	3	94	N/A
R47H	44	M	3	74.8	V
R62H	34	M	3	77.7	V
R47H	33	M	3	90.6	V
R62H	34	M	3	89.3	VI
R62H	44	F	3	89.4	N/A
R62H	34	F	3	79	N/A
R47H	34	F	3	88.2	IV
R47H	33	M	3	85.6	V
R62H	33	M	2	94.4	II
R62H	33	F	3	84.4	VI
R62H	44	F	3	72.3	V
R47H	N/A	F	N/A	87	VI
R47H	N/A	M	N/A	74	VI
CV	44	M	3	72.2	VI
CV	33	F	3	95.7	VI
CV	44	M	3	71.6	VI
CV	34	M	3	79.7	V
CV	33	M	1	91.1	V
CV	24	F	3	88.8	VI
CV	34	F	3	81.3	VI
CV	34	F	3	84.5	V
CV	33	M	3	81	VI
CV	33	M	1	91.2	III
CV	33	F	2	90.3	VI
CV	34	F	2	78.1	VI
CV	N/A	M	N/A	86	VI
CV	N/A	F	N/A	74	VI

Supplementary Table 2. Demographic information for TREM2^{R47H}, TREM2^{R62H}, and TREM2^{CV} AD cases used in biochemical analysis

TREM2 Genotype	ApoE genotype	Sex	CDRe	Age	Braak
R47H	34	M	3	78.2	V
R47H	33	M	3	90.6	V
R62H	34	M	3	89.3	VI
R62H	34	F	3	79	N/A
R47H	34	F	3	88.2	IV
R47H	33	M	3	85.6	V
R62H	33	M	2	94.4	II
R62H	33	F	3	84.4	VI
R62H	44	F	3	72.3	V
R47H	N/A	F	N/A	87	VI
R47H	N/A	M	N/A	74	VI
R62H	33	F	3	89.2	N/A
R62H	24	F	3	89.6	N/A
R47H	34	M	3	83.8	N/A
CV	44	M	3	72.2	VI
CV	33	F	3	95.7	VI
CV	44	M	3	71.6	VI
CV	34	M	3	79.7	V
CV	33	M	1	91.1	V
CV	33	M	3	81	VI
CV	33	M	1	91.2	III
CV	34	F	2	78.1	VI
CV	N/A	M	N/A	86	VI
CV	N/A	F	N/A	74	VI
CV	34	F	N/A	85.4	N/A