

## **Supplementary File I**

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**Table S1. Primer sequences of RNAs for qRT-PCR**

**Table S2. Cell numbers of each cluster**



**Table S1. Primer sequences of RNAs for qRT-PCR**

Gene Name	Species	Sequence
GAPDH	Human	F:5' CTGGGCTACACTGAGCACC 3' R:5' AAGTGGTCGTTGAGGGCAATG 3'
HSPB1	Human	F:5' CAGGACGAGCATGGCTACAT 3' R:5' TGATCTCGTTGGACTGCGTG 3'
FTH1	Human	F:5' CCCCCATTTGTGTGACTTCAT 3' R:5' GCCCGAGGCTTAGCTTTCATT 3'
CD44	Human	F:5' CACACCCTCCCCTCATTCAC 3' R:5' TGGATGGCTGGTATGAGCTG 3'
SAT1	Human	F:5' CCTGACTGAGAAGAGGACGC 3' R:5' TGATCAGCCGCAGTATGTCA 3'
ZFP36	Human	F:5' ACTGCCATCTACGAGAGCCT 3' R:5' ACTAGGCTGGTGGAGCGG 3'



**Table S2. Cell numbers of each cluster**

<b>cluster</b>	<b>Oligo</b>	<b>Astro</b>	<b>OPC</b>	<b>Neuron</b>	<b>UnID</b>	<b>Mg</b>	<b>Doublet</b>	<b>Endo</b>
AD1-AD2	1956	96	32	99	540	21	279	5
AD3-AD4	2075	235	57	114	26	87	9	2
AD5-AD6	624	141	90	36	48	64	7	30
HC1-HC2	409	166	88	68	279	54	47	11
HC3-HC4	1431	853	427	124	10	142	24	32
HC5-HC6	937	680	384	215	22	81	39	18

HC: healthy controls. AD: Alzheimer's disease. Astro: astrocytes. UnID: unidentified cells. Oligo: oligodendrocytes. Endo: endothelial cells. Mg: microglia.