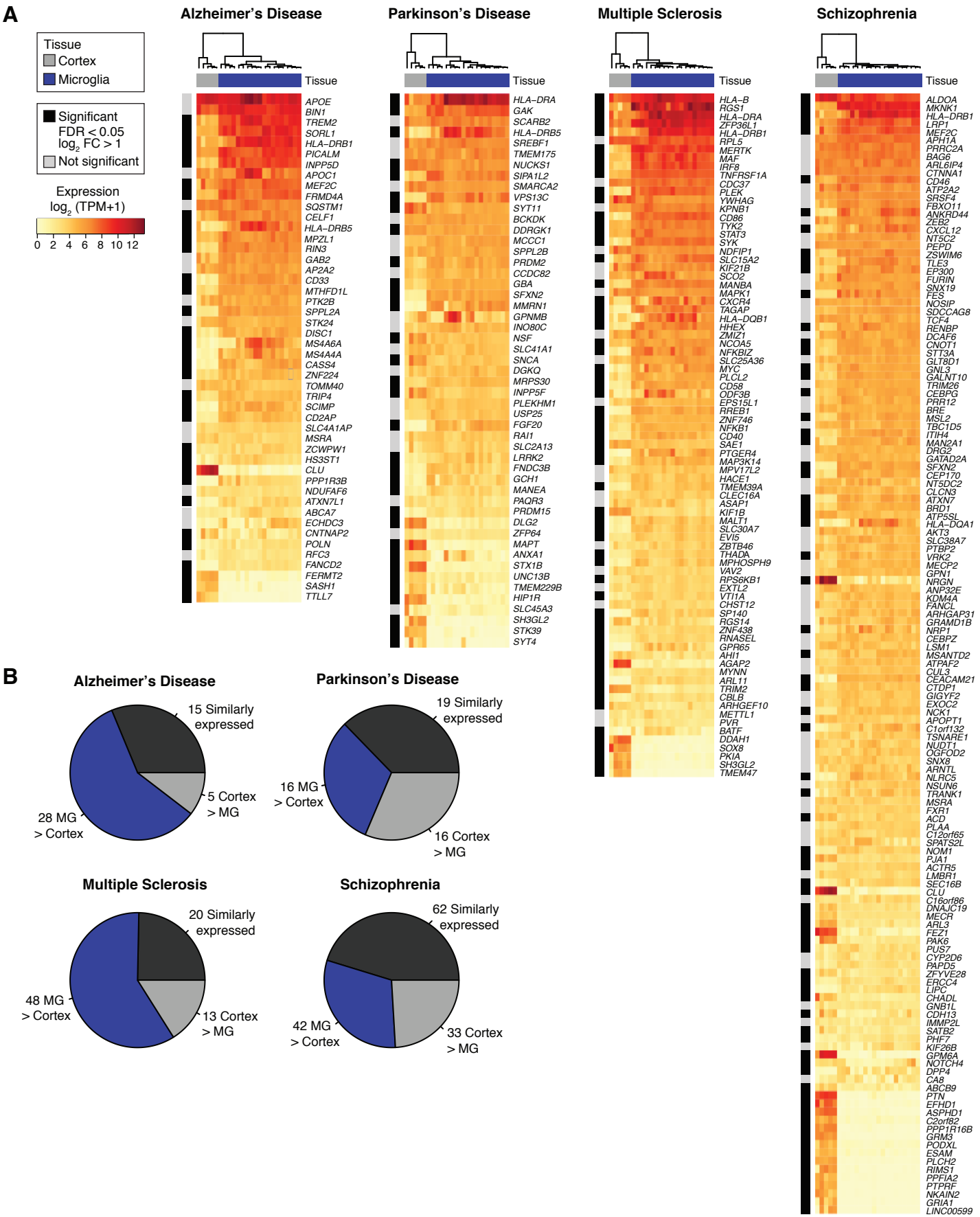
A
Tissue
Cortex
Microglia
Significant
FDR < 0.05
log2 FC > 1
Not significant
Expression
log2 (TPM+1)
0 2 4 6 8 10 12
Alzheimer's Disease
Parkinson's Disease
Multiple Sclerosis
Schizophrenia
Tissue
APOE
BIN1
TREM2
SORL1
HLA-DRB1
PICALM
INPP5D
APOC1
MEF2C
FRMD4A
SQSTM1
CELF1
HLA-DRB5
MPZL1
RIN3
GAB2
AP2A2
CD33
MTHFD1L
PTK2B
SPPL2A
STK24
DISC1
MS4A6A
MS4A4A
CASS4
ZNF224
TOMM40
TRIP4
SCIMP
CD2AP
SLC4A1AP
MSRA
ZCWPW1
HS3ST1
CLU
PPP1R3B
NDUFAF6
ATXN7L1
ABCA7
ECHDC3
CNTNAP2
POLN
RFC3
FANCD2
FERMT2
SASH1
TTLL7
HLA-DRA
GAK
SCARB2
HLA-DRB5
SREBF1
TMEM175
NUCKS1
SIPA1L2
SMARCA2
VPS13C
SYT11
BCKDK
DDRGK1
MCCC1
SPPL2B
PRDM2
CCDC82
GBA
SFXN2
MMRN1
GPNMB
INO80C
NSF
SLC41A1
SNCA
DGKQ
MRPS30
INPP5F
PLEKHM1
USP25
FGF20
RAI1
SLC2A13
LRRK2
FNDC3B
GCH1
MANEA
PAQR3
PRDM15
DLG2
ZFP64
MAPT
ANXA1
STX1B
UNC13B
TMEM229B
HIP1R
SLC45A3
SH3GL2
STK39
SYT4
HLA-B
RGS1
HLA-DRA
ZFP36L1
HLA-DRB1
RPL5
MERTK
MAF
IRF8
TNFRSF1A
CDC37
PLEK
YWHAG
KPNB1
CD86
TYK2
STAT3
SYK
NDFIP1
SLC15A2
KIF21B
SCO2
MANBA
MAPK1
CXCR4
TAGAP
HLA-DQB1
HHEX
ZMIZ1
NCOA5
NFKBIZ
SLC25A36
MYC
PLCL2
CD58
ODF3B
EPS15L1
RREB1
ZNF746
NFKB1
CD40
SAE1
PTGER4
MAP3K14
MPV17L2
HACE1
TMEM39A
CLEC16A
ASAP1
KIF1B
MALT1
SLC30A7
EVI5
ZBTB46
THADA
MPHOSPH9
VAV2
RPS6KB1
EXTL2
VTI1A
CHST12
SP140
RGS14
ZNF438
RNASEL
GPR65
AHI1
AGAP2
MYNN
ARL11
TRIM2
CBLB
ARHGEF10
METTL1
PVR
BATF
DDAH1
SOX8
PKIA
SH3GL2
TMEM47
ALDOA
MKNK1
HLA-DRB1
LRP1
MEF2C
APH1A
PRRC2A
BAG6
ARL6IP4
CTNNA1
CD46
ATP2A2
SRSF4
FBXO11
ANKRD44
ZEB2
CXCL12
NT5C2
PEPD
ZSWIM6
TLE3
EP300
FURIN
SNX19
FES
NOSIP
SDCCAG8
TCF4
RENBP
DCAF6
CNOT1
STT3A
GLT8D1
GNL3
GALNT10
TRIM26
CEBPG
PRR12
BRE
MSL2
TBC1D5
ITIH4
MAN2A1
DRG2
GATAD2A
SFXN2
CEP170
NT5DC2
CLCN3
ATXN7
BRD1
ATP5SL
HLA-DQA1
AKT3
SLC38A7
PTBP2
VRK2
MECP2
GPN1
NRGN
ANP32E
KDM4A
FANCL
ARHGAP31
GRAMD1B
NRP1
CEBPZ
LSM1
MSANTD2
ATPAF2
CUL3
CEACAM21
CTDP1
GIGYF2
EXOC2
NCK1
APOPT1
C1orf132
TSNARE1
NUDT1
OGFOD2
SNX8
ARNTL
NLRC5
NSUN6
TRANK1
MSRA
FXR1
ACD
PLAA
C12orf65
SPATS2L
NOM1
PJA1
ACTR5
LMBR1
SEC16B
CLU
C16orf86
DNAJC19
MECR
ARL3
FEZ1
PAK6
PUS7
CYP2D6
PAPD5
ZFYVE28
ERCC4
LIPC
CHADL
GNB1L
CDH13
IMMP2L
SATB2
PHF7
KIF26B
GPM6A
NOTCH4
DPP4
CA8
ABCB9
PTN
EFHD1
ASPHD1
C2orf82
PPP1R16B
GRM3
PODXL
ESAM
PLCH2
RIMS1
PPFIA2
PTPRF
NKAIN2
GRIA1
LINC00599
B
Alzheimer's Disease
15 Similarly expressed
5 Cortex > MG
28 MG > Cortex
Parkinson's Disease
19 Similarly expressed
16 MG > Cortex
16 Cortex > MG
Multiple Sclerosis
20 Similarly expressed
48 MG > Cortex
13 Cortex > MG
Schizophrenia
62 Similarly expressed
42 MG > Cortex
33 Cortex > MG

Figure S5