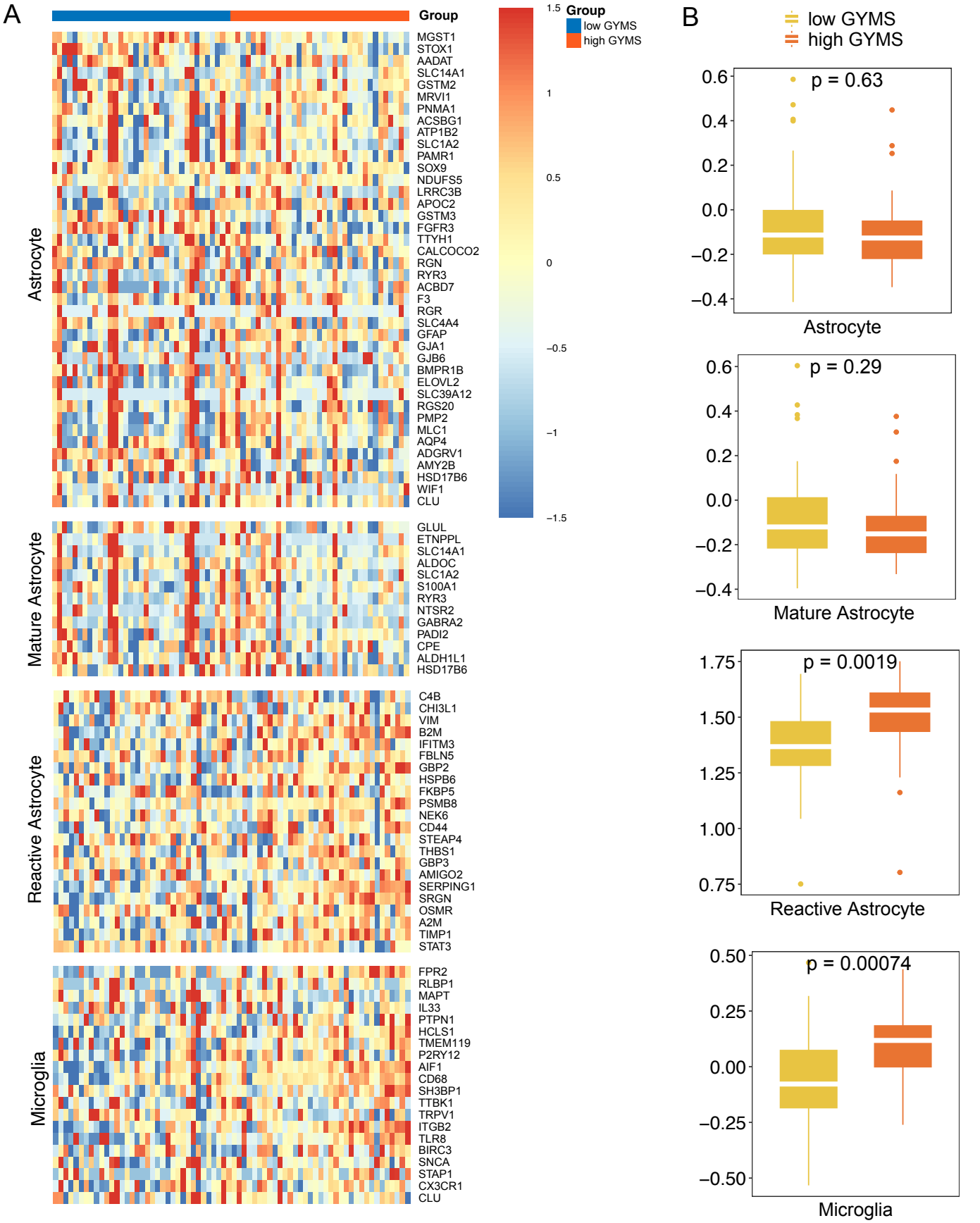
A
Group
low GYMS
high GYMS
1.5
1
0.5
0
−0.5
−1
−1.5
Astrocyte
MGST1
STOX1
AADAT
SLC14A1
GSTM2
MRVI1
PNMA1
ACSBG1
ATP1B2
SLC1A2
PAMR1
SOX9
NDUFS5
LRRC3B
APOC2
GSTM3
FGFR3
TTYH1
CALCOCO2
RGN
RYR3
ACBD7
F3
RGR
SLC4A4
GFAP
GJA1
GJB6
BMPR1B
ELOVL2
SLC39A12
RGS20
PMP2
MLC1
AQP4
ADGRV1
AMY2B
HSD17B6
WIF1
CLU
Mature Astrocyte
GLUL
ETNPPL
SLC14A1
ALDOC
SLC1A2
S100A1
RYR3
NTSR2
GABRA2
PADI2
CPE
ALDH1L1
HSD17B6
Reactive Astrocyte
C4B
CHI3L1
VIM
B2M
IFITM3
FBLN5
GBP2
HSPB6
FKBP5
PSMB8
NEK6
CD44
STEAP4
THBS1
GBP3
AMIGO2
SERPING1
SRGN
OSMR
A2M
TIMP1
STAT3
Microglia
FPR2
RLBP1
MAPT
IL33
PTPN1
HCLS1
TMEM119
P2RY12
AIF1
CD68
SH3BP1
TTBK1
TRPV1
ITGB2
TLR8
BIRC3
SNCA
STAP1
CX3CR1
CLU
B
low GYMS
high GYMS
p = 0.63
0.6
0.4
0.2
0.0
−0.2
−0.4
Astrocyte
p = 0.29
Mature Astrocyte
p = 0.0019
1.75
1.50
1.25
1.00
0.75
Reactive Astrocyte
p = 0.00074
0.50
0.25
0.00
−0.25
−0.50
Microglia