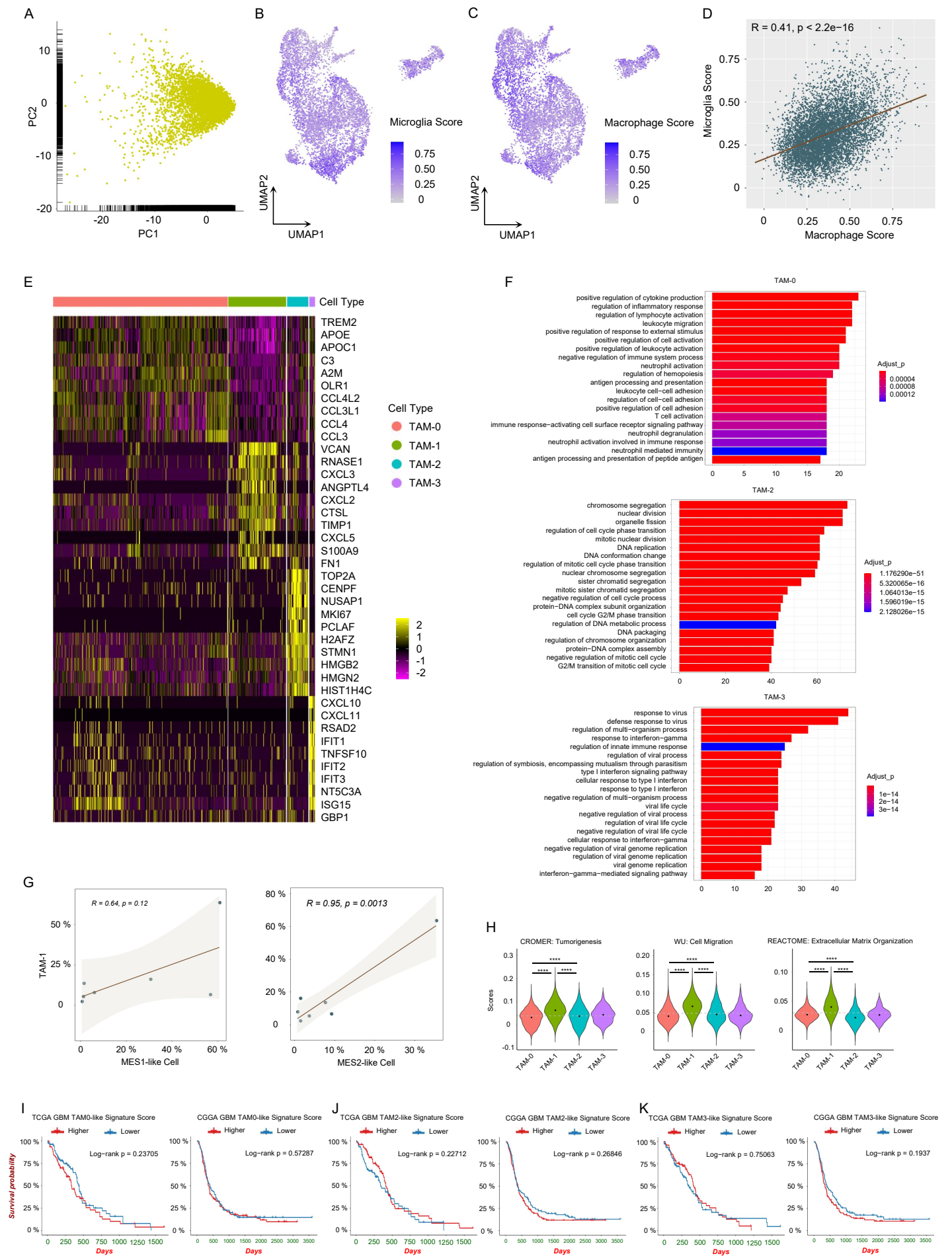
A
PC2
PC1
B
UMAP2
UMAP1
Microglia Score
C
UMAP2
UMAP1
Macrophage Score
D
R = 0.41, p < 2.2e−16
Microglia Score
Macrophage Score
E
Cell Type
TAM-0
TAM-1
TAM-2
TAM-3
TREM2
APOE
APOC1
C3
A2M
OLR1
CCL4L2
CCL3L1
CCL4
CCL3
VCAN
RNASE1
CXCL3
ANGPTL4
CXCL2
CTSL
TIMP1
CXCL5
S100A9
FN1
TOP2A
CENPF
NUSAP1
MKI67
PCLAF
H2AFZ
STMN1
HMGB2
HMGN2
HIST1H4C
CXCL10
CXCL11
RSAD2
IFIT1
TNFSF10
IFIT2
IFIT3
NT5C3A
ISG15
GBP1
F
TAM-0
positive regulation of cytokine production
regulation of inflammatory response
regulation of lymphocyte activation
leukocyte migration
positive regulation of response to external stimulus
positive regulation of cell activation
positive regulation of leukocyte activation
negative regulation of immune system process
neutrophil activation
regulation of hemopoiesis
antigen processing and presentation
leukocyte cell−cell adhesion
regulation of cell−cell adhesion
positive regulation of cell adhesion
T cell activation
immune response−activating cell surface receptor signaling pathway
neutrophil degranulation
neutrophil activation involved in immune response
neutrophil mediated immunity
antigen processing and presentation of peptide antigen
Adjust_p
TAM-2
chromosome segregation
nuclear division
organelle fission
regulation of cell cycle phase transition
mitotic nuclear division
DNA replication
DNA conformation change
regulation of mitotic cell cycle phase transition
nuclear chromosome segregation
sister chromatid segregation
mitotic sister chromatid segregation
negative regulation of cell cycle process
protein−DNA complex subunit organization
cell cycle G2/M phase transition
regulation of DNA metabolic process
DNA packaging
regulation of chromosome organization
protein−DNA complex assembly
negative regulation of mitotic cell cycle
G2/M transition of mitotic cell cycle
Adjust_p
TAM-3
response to virus
defense response to virus
regulation of multi−organism process
response to interferon−gamma
regulation of innate immune response
regulation of viral process
regulation of symbiosis, encompassing mutualism through parasitism
type I interferon signaling pathway
cellular response to type I interferon
response to type I interferon
negative regulation of multi−organism process
viral life cycle
negative regulation of viral process
regulation of viral life cycle
negative regulation of viral life cycle
cellular response to interferon−gamma
negative regulation of viral genome replication
regulation of viral genome replication
viral genome replication
interferon−gamma−mediated signaling pathway
Adjust_p
G
R = 0.64, p = 0.12
TAM-1
MES1-like Cell
R = 0.95, p = 0.0013
MES2-like Cell
H
CROMER: Tumorigenesis
WU: Cell Migration
REACTOME: Extracellular Matrix Organization
Scores
TAM-0
TAM-1
TAM-2
TAM-3
I
TCGA GBM TAM0-like Signature Score
CGGA GBM TAM0-like Signature Score
Higher
Lower
Log−rank p = 0.23705
Log−rank p = 0.57287
Survival probability
Days
J
TCGA GBM TAM2-like Signature Score
CGGA GBM TAM2-like Signature Score
Log−rank p = 0.22712
Log−rank p = 0.26846
K
TCGA GBM TAM3-like Signature Score
CGGA GBM TAM3-like Signature Score
Log−rank p = 0.75063
Log−rank p = 0.1937