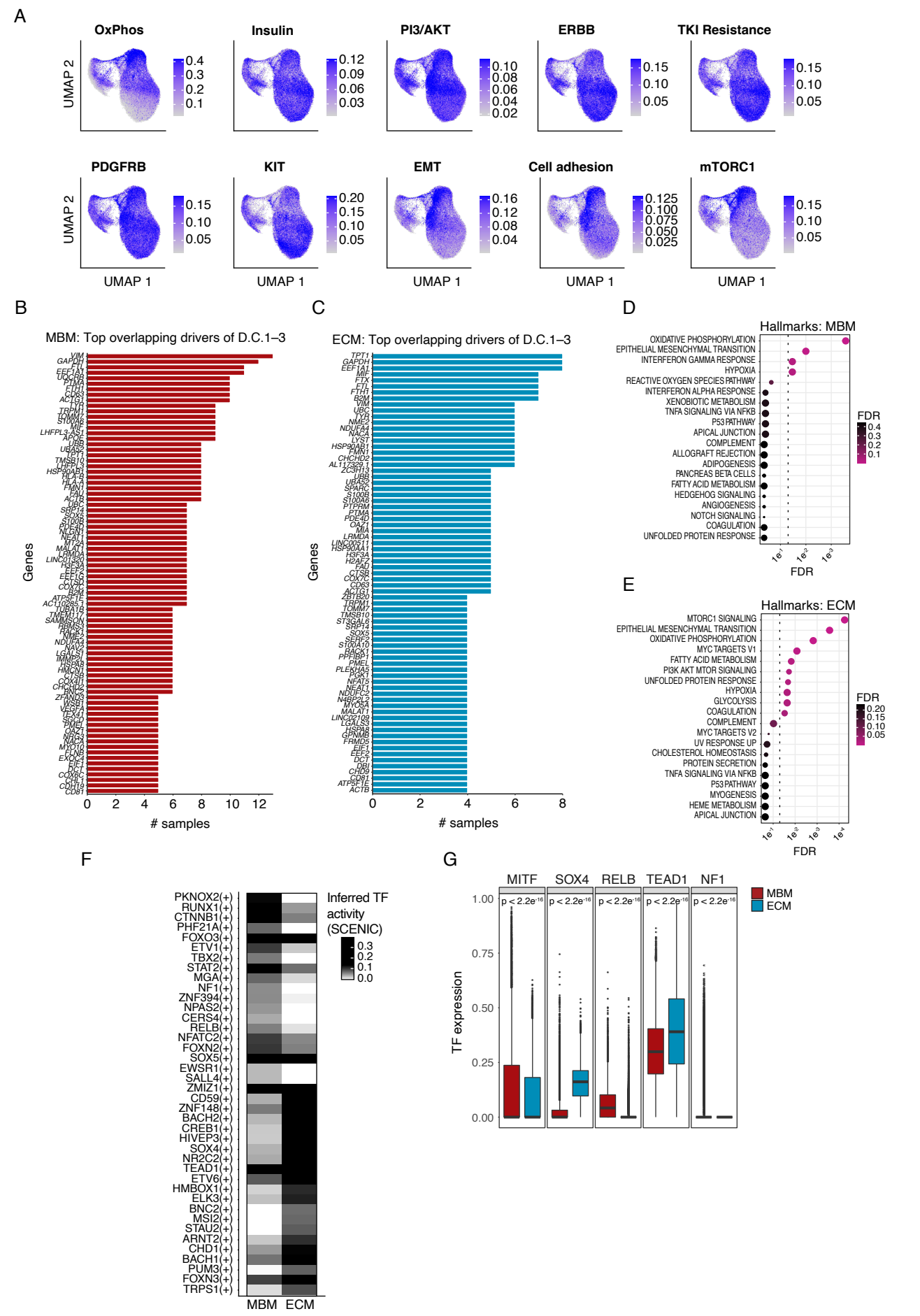
A
OxPhos
Insulin
PI3/AKT
ERBB
TKI Resistance
PDGFRB
KIT
EMT
Cell adhesion
mTORC1
UMAP 2
UMAP 1
B
MBM: Top overlapping drivers of D.C.1–3
Genes
samples
C
ECM: Top overlapping drivers of D.C.1–3
Genes
samples
D
Hallmarks: MBM
OXIDATIVE PHOSPHORYLATION
EPITHELIAL MESENCHYMAL TRANSITION
INTERFERON GAMMA RESPONSE
HYPOXIA
REACTIVE OXYGEN SPECIES PATHWAY
INTERFERON ALPHA RESPONSE
XENOBIOTIC METABOLISM
TNFA SIGNALING VIA NFKB
P53 PATHWAY
APICAL JUNCTION
COMPLEMENT
ALLOGRAFT REJECTION
ADIPOGENESIS
PANCREAS BETA CELLS
FATTY ACID METABOLISM
HEDGEHOG SIGNALING
ANGIOGENESIS
NOTCH SIGNALING
COAGULATION
UNFOLDED PROTEIN RESPONSE
FDR
E
Hallmarks: ECM
MTORC1 SIGNALING
EPITHELIAL MESENCHYMAL TRANSITION
OXIDATIVE PHOSPHORYLATION
MYC TARGETS V1
FATTY ACID METABOLISM
PI3K AKT MTOR SIGNALING
UNFOLDED PROTEIN RESPONSE
HYPOXIA
GLYCOLYSIS
COAGULATION
COMPLEMENT
MYC TARGETS V2
UV RESPONSE UP
CHOLESTEROL HOMEOSTASIS
PROTEIN SECRETION
TNFA SIGNALING VIA NFKB
P53 PATHWAY
MYOGENESIS
HEME METABOLISM
APICAL JUNCTION
FDR
F
Inferred TF activity (SCENIC)
MBM
ECM
G
MITF
SOX4
RELB
TEAD1
NF1
MBM
ECM
TF expression