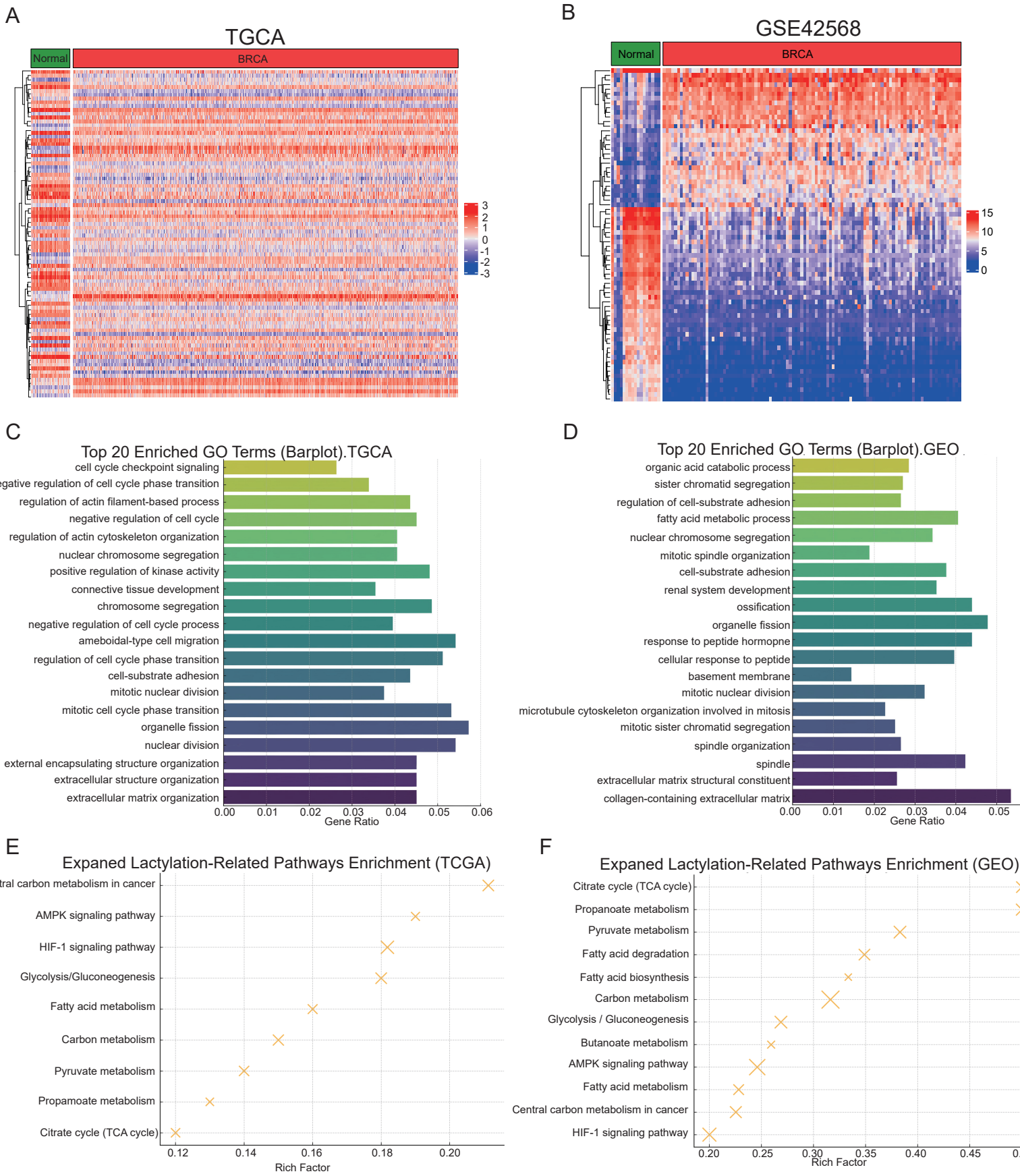

A
TGCA
Normal
BRCA
3
2
1
0
-1
-2
-3
B
GSE42568
Normal
BRCA
15
10
5
0
C
Top 20 Enriched GO Terms (Barplot).TGCA
cell cycle checkpoint signaling
negative regulation of cell cycle phase transition
regulation of actin filament-based process
negative regulation of cell cycle
regulation of actin cytoskeleton organization
nuclear chromosome segregation
positive regulation of kinase activity
connective tissue development
chromosome segregation
negative regulation of cell cycle process
ameboidal-type cell migration
regulation of cell cycle phase transition
cell-substrate adhesion
mitotic nuclear division
mitotic cell cycle phase transition
organelle fission
nuclear division
external encapsulating structure organization
extracellular structure organization
extracellular matrix organization
0.00
0.01
0.02
0.03
0.04
0.05
0.06
Gene Ratio
D
Top 20 Enriched GO Terms (Barplot).GEO
organic acid catabolic process
sister chromatid segregation
regulation of cell-substrate adhesion
fatty acid metabolic process
nuclear chromosome segregation
mitotic spindle organization
cell-substrate adhesion
renal system development
ossification
organelle fission
response to peptide hormopne
cellular response to peptide
basement membrane
mitotic nuclear division
microtubule cytoskeleton organization involved in mitosis
mitotic sister chromatid segregation
spindle organization
spindle
extracellular matrix structural constituent
collagen-containing extracellular matrix
0.00
0.01
0.02
0.03
0.04
0.05
Gene Ratio
E
Expaned Lactylation-Related Pathways Enrichment (TCGA)
Central carbon metabolism in cancer
AMPK signaling pathway
HIF-1 signaling pathway
Glycolysis/Gluconeogenesis
Fatty acid metabolism
Carbon metabolism
Pyruvate metabolism
Propamoate metabolism
Citrate cycle (TCA cycle)
0.12
0.14
0.16
0.18
0.20
Rich Factor
F
Expaned Lactylation-Related Pathways Enrichment (GEO)
Citrate cycle (TCA cycle)
Propanoate metabolism
Pyruvate metabolism
Fatty acid degradation
Fatty acid biosynthesis
Carbon metabolism
Glycolysis / Gluconeogenesis
Butanoate metabolism
AMPK signaling pathway
Fatty acid metabolism
Central carbon metabolism in cancer
HIF-1 signaling pathway
0.20
0.25
0.30
0.35
0.40
0.45
0.50
Rich Factor