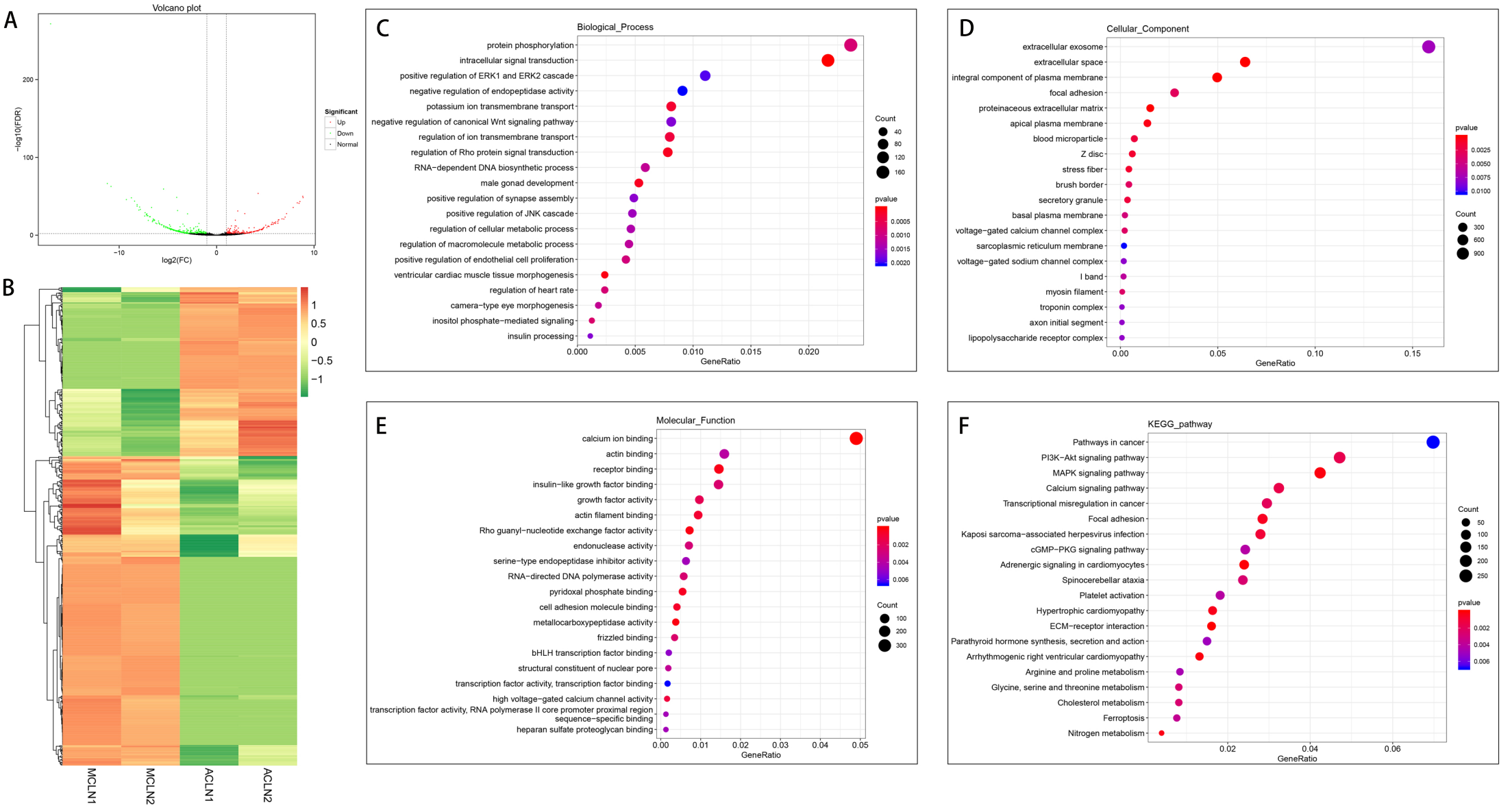
A
Volcano plot
−log10(FDR)
log2(FC)
Significant
Up
Down
Normal
B
MCLN1
MCLN2
ACLN1
ACLN2
C
Biological_Process
protein phosphorylation
intracellular signal transduction
positive regulation of ERK1 and ERK2 cascade
negative regulation of endopeptidase activity
potassium ion transmembrane transport
negative regulation of canonical Wnt signaling pathway
regulation of ion transmembrane transport
regulation of Rho protein signal transduction
RNA−dependent DNA biosynthetic process
male gonad development
positive regulation of synapse assembly
positive regulation of JNK cascade
regulation of cellular metabolic process
regulation of macromolecule metabolic process
positive regulation of endothelial cell proliferation
ventricular cardiac muscle tissue morphogenesis
regulation of heart rate
camera−type eye morphogenesis
inositol phosphate−mediated signaling
insulin processing
GeneRatio
Count
pvalue
D
Cellular_Component
extracellular exosome
extracellular space
integral component of plasma membrane
focal adhesion
proteinaceous extracellular matrix
apical plasma membrane
blood microparticle
Z disc
stress fiber
brush border
secretory granule
basal plasma membrane
voltage−gated calcium channel complex
sarcoplasmic reticulum membrane
voltage−gated sodium channel complex
I band
myosin filament
troponin complex
axon initial segment
lipopolysaccharide receptor complex
GeneRatio
pvalue
Count
E
Molecular_Function
calcium ion binding
actin binding
receptor binding
insulin−like growth factor binding
growth factor activity
actin filament binding
Rho guanyl−nucleotide exchange factor activity
endonuclease activity
serine−type endopeptidase inhibitor activity
RNA−directed DNA polymerase activity
pyridoxal phosphate binding
cell adhesion molecule binding
metallocarboxypeptidase activity
frizzled binding
bHLH transcription factor binding
structural constituent of nuclear pore
transcription factor activity, transcription factor binding
high voltage−gated calcium channel activity
transcription factor activity, RNA polymerase II core promoter proximal region sequence−specific binding
heparan sulfate proteoglycan binding
GeneRatio
pvalue
Count
F
KEGG_pathway
Pathways in cancer
PI3K−Akt signaling pathway
MAPK signaling pathway
Calcium signaling pathway
Transcriptional misregulation in cancer
Focal adhesion
Kaposi sarcoma−associated herpesvirus infection
cGMP−PKG signaling pathway
Adrenergic signaling in cardiomyocytes
Spinocerebellar ataxia
Platelet activation
Hypertrophic cardiomyopathy
ECM−receptor interaction
Parathyroid hormone synthesis, secretion and action
Arrhythmogenic right ventricular cardiomyopathy
Arginine and proline metabolism
Glycine, serine and threonine metabolism
Cholesterol metabolism
Ferroptosis
Nitrogen metabolism
GeneRatio
Count
pvalue