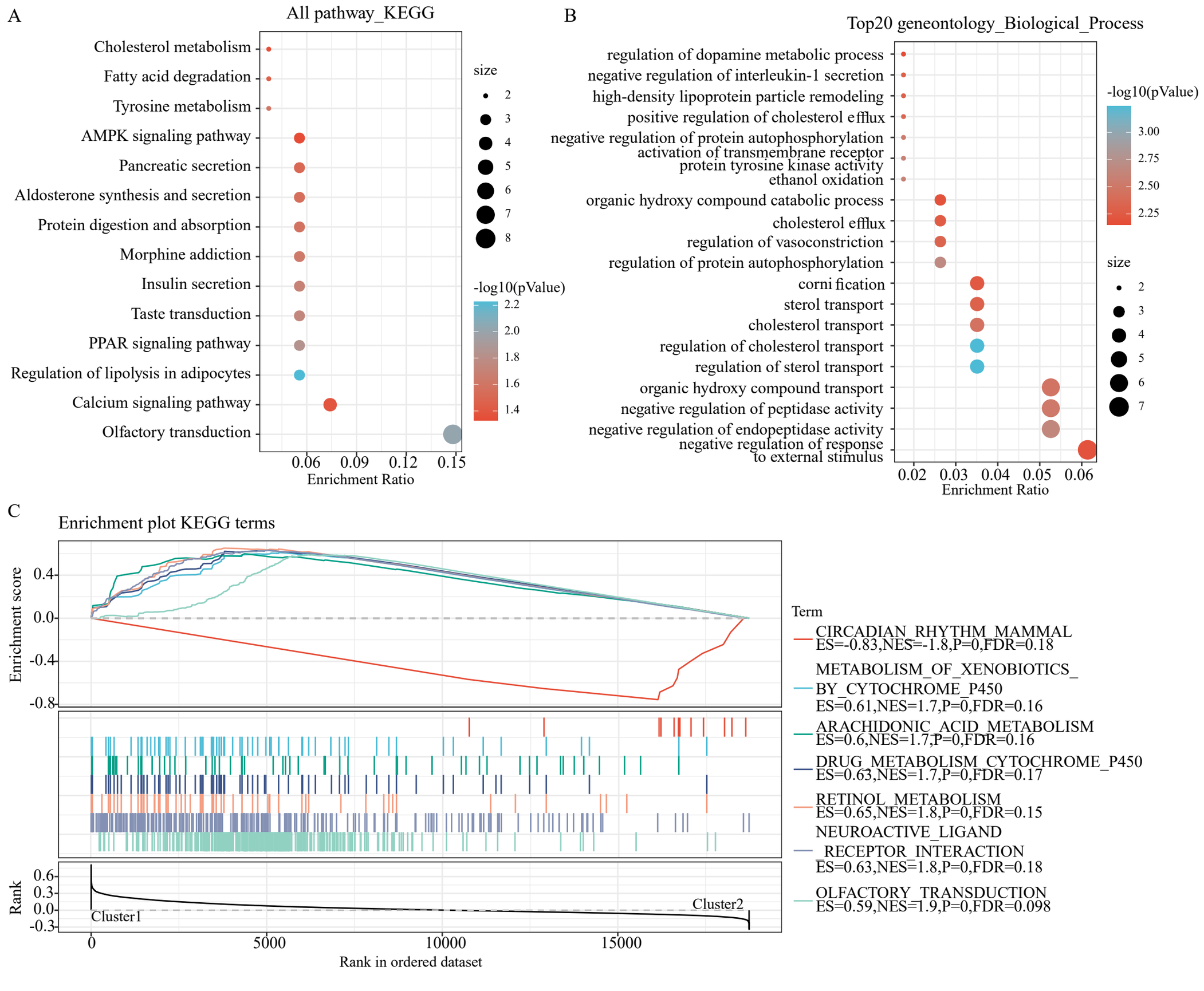
A
All pathway_KEGG
Cholesterol metabolism
Fatty acid degradation
Tyrosine metabolism
AMPK signaling pathway
Pancreatic secretion
Aldosterone synthesis and secretion
Protein digestion and absorption
Morphine addiction
Insulin secretion
Taste transduction
PPAR signaling pathway
Regulation of lipolysis in adipocytes
Calcium signaling pathway
Olfactory transduction
0.06
0.09
0.12
0.15
Enrichment Ratio
size
2
3
4
5
6
7
8
-log10(pValue)
2.2
2.0
1.8
1.6
1.4
B
Top20 geneontology_Biological_Process
regulation of dopamine metabolic process
negative regulation of interleukin-1 secretion
high-density lipoprotein particle remodeling
positive regulation of cholesterol efflux
negative regulation of protein autophosphorylation
activation of transmembrane receptor
protein tyrosine kinase activity
ethanol oxidation
organic hydroxy compound catabolic process
cholesterol efflux
regulation of vasoconstriction
regulation of protein autophosphorylation
corni fication
sterol transport
cholesterol transport
regulation of cholesterol transport
regulation of sterol transport
organic hydroxy compound transport
negative regulation of peptidase activity
negative regulation of endopeptidase activity
negative regulation of response
to external stimulus
0.02
0.03
0.04
0.05
0.06
Enrichment Ratio
-log10(pValue)
3.00
2.75
2.50
2.25
size
2
3
4
5
6
7
C
Enrichment plot KEGG terms
Enrichment score
0.4
0.0
-0.4
-0.8
Rank
0.6
0.3
0.0
-0.3
Cluster1
Cluster2
0
5000
10000
15000
Rank in ordered dataset
Term
CIRCADIAN_RHYTHM_MAMMAL
ES=-0.83,NES=-1.8,P=0,FDR=0.18
METABOLISM_OF_XENOBIOTICS_
BY_CYTOCHROME_P450
ES=0.61,NES=1.7,P=0,FDR=0.16
ARACHIDONIC_ACID_METABOLISM
ES=0.6,NES=1.7,P=0,FDR=0.16
DRUG_METABOLISM_CYTOCHROME_P450
ES=0.63,NES=1.7,P=0,FDR=0.17
RETINOL_METABOLISM
ES=0.65,NES=1.8,P=0,FDR=0.15
NEUROACTIVE_LIGAND
_RECEPTOR_INTERACTION
ES=0.63,NES=1.8,P=0,FDR=0.18
OLFACTORY_TRANSDUCTION
ES=0.59,NES=1.9,P=0,FDR=0.098