

A.

small molecule metabolic pr...

lipid metabolic process

cellular lipid metabolic pr...

organophosphate metabolic p...

alcohol metabolic process

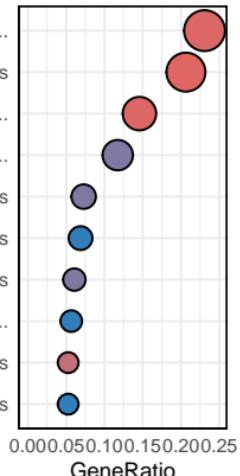
steroid metabolic process

glycerolipid metabolic process

cellular response to xenobi...

xenobiotic metabolic process

phospholipid metabolic process

**B.**

regulation of immune system...

cell-cell signaling

positive regulation of immu...

secretion by cell

chemical synaptic transmission

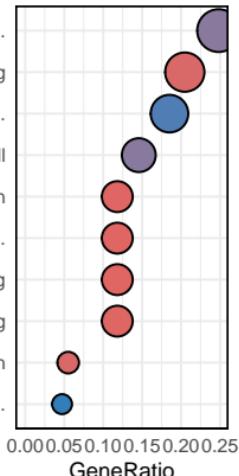
anterograde trans-synaptic ...

trans-synaptic signaling

synaptic signaling

lymphocyte migration

regulation of synaptic plas...

**D.**

Puleo_tumor_Classical

Chan-Seng-Yue_Classical B

PurlST_Classical

Puleo_Immune Classical

Collisson_Classical

Moffitt_Classical

SCISSORS_Classical

Chan-Seng-Yue_Classical A

Puleo_Pure Classical

Collisson_Exocrine

PurlST_BasalLike

Collisson_QM

Chan-Seng-Yue_Basal-like B

Puleo_Stroma Activated

Puleo_Pure Basal-like

Puleo_tumor_Basal-like

Chan-Seng-Yue_Basal-like A

Moffitt_Basal-like

SCISSORS_Basal-like

Maurer_Immune

Puleo_Desmoplastic

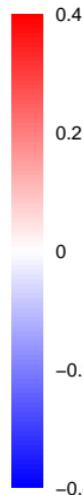
Maurer_ECM

Elyada_iCAF

SCISSORS_iCAF

Moffitt_Normal

deCAF_restCAF

**C.**

organic acid metabolic process

oxoacid metabolic process

carboxylic acid metabolic p...

organic acid biosynthetic p...

carboxylic acid biosyntheti...

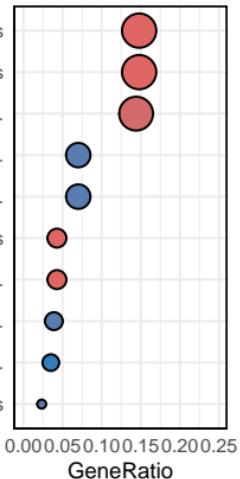
organic acid catabolic process

carboxylic acid catabolic p...

alpha-amino acid metabolic ...

proteinogenic amino acid me...

amino acid catabolic process



p.adjust

0.5 0.4 0.3 0.2 0.1

Gene count

● 20 ● 40 ● 60