

**A.**

small molecule metabolic pr...

lipid metabolic process

cellular lipid metabolic pr...

digestion

digestive system process

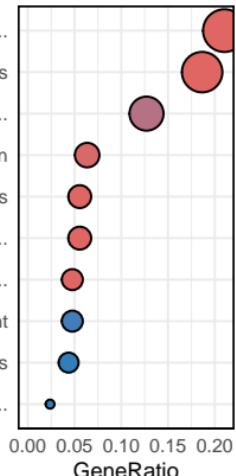
sulfur compound metabolic p...

cellular modified amino aci...

digestive tract development

xenobiotic metabolic process

maintenance of gastrointest...

**B.**

organic acid metabolic process

oxoacid metabolic process

carboxylic acid metabolic p...

amide transport

peptide transport

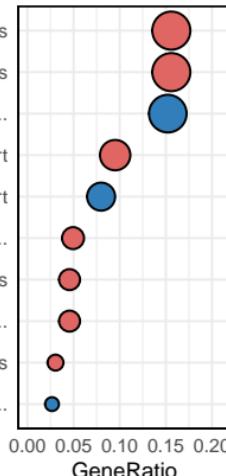
positive regulation of pept...

organic acid catabolic pro...

carboxylic acid catabolic p...

amino acid catabolic pro...

alpha-amino acid catabolic ...

**D.**

Puleo\_tumor\_Classical

PurlST\_Classical

Collisson\_Classical

Moffitt\_Classical

SCISSORS\_Classical

Chan-Seng-Yue\_Classical B

Chan-Seng-Yue\_Classical A

Puleo\_Pure Classical

Puleo\_Pure Basal-like

Puleo\_tumor\_Basal-like

PurlST\_BasalLike

SCISSORS\_Basal-like

Chan-Seng-Yue\_Basal-like B

Moffitt\_Basal-like

Chan-Seng-Yue\_Basal-like A

Maurer\_Immune

Puleo\_Desmoplastic

Elyada\_iCAF

Puleo\_Immune Classical

SCISSORS\_apCAF

SCISSORS\_iCAF

Moffitt\_Normal

deCAF\_restCAF

Collisson\_Exocrine

Moffitt\_Activated

Maurer\_ECM

SCISSORS\_myCAF

Collisson\_QM

Puleo\_Stroma Activated

**C.**

epidermis development

skin development

epidermal cell differentiation

keratinocyte differentiation

regulation of epithelial ce...

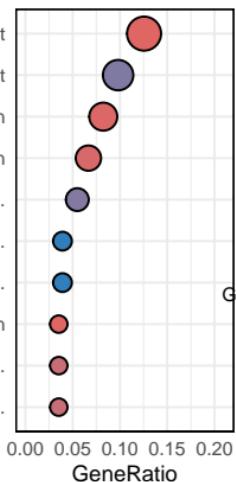
intermediate filament-based...

intermediate filament cytos...

keratinization

regulation of epidermal cel...

regulation of epidermis dev...



p.adjust

0.75 0.70 0.65 0.60 0.55

Gene count

● 10 ● 20 ● 30 ● 40 ● 50