

A.

Biological Process	GeneRatio (approx.)	Significance
digestion	0.15	Significant
tissue homeostasis	0.10	Non-significant
anatomical structure homeostasis	0.10	Non-significant
digestive system process	0.15	Significant
maintenance of gastrointestinal tract	0.05	Non-significant
regulation of microvillus organization	0.05	Non-significant
microvillus organization	0.05	Non-significant
epithelial structure maintenance	0.05	Non-significant
multicellular organism growth	0.05	Non-significant
cellular modified amino acid metabolism	0.05	Non-significant

B.

Biological Process	GeneRatio (approx.)	-log10(p-value) (approx.)	FDR (approx.)
proteolysis	0.32	4.5	0.0001
chemical homeostasis	0.22	3.5	0.001
regulation of hormone levels	0.18	3.0	0.001
digestion	0.15	2.5	0.005
hormone secretion	0.15	2.5	0.005
hormone transport	0.15	2.5	0.005
signal release	0.18	3.0	0.001
peptide hormone secretion	0.08	1.5	0.01
peptide secretion	0.12	2.0	0.005
peptide transport	0.12	2.0	0.005

C.

Biological Process	GeneRatio (approx.)	p-value Category
cellular component organization	0.65	Red
cellular component organization	0.62	Red
system development	0.52	Blue
positive regulation of response	0.42	Red
circulatory system development	0.38	Red
vasculature development	0.32	Red
blood vessel development	0.28	Blue
extracellular matrix organization	0.28	Red
extracellular structure organization	0.28	Red
external encapsulating structure	0.28	Red

p.adjust

Gene count

20 40 60

0.9 0.8 0.7 0.6

SCISSORS_Basal-like

PurlST_BasalLike

Collisson_QM

Chan-Seng-Yue_Basal-like A

Chan-Seng-Yue_Basal-like B

Puleo_Stroma Activated

Moffitt_Activated

Elyada_iCAF

SCISSORS_iCAF

Collisson_Exocrine

PurlST_Classical

Chan-Seng-Yue_Classical B

-0.4