

A.

GO Term	GeneRatio (approx.)
immune system process	0.65
immune response	0.60
adaptive immune response	0.45
immune effector process	0.35
leukocyte mediated immunity	0.25
lymphocyte mediated immunity	0.25
adaptive immune response ba...	0.25
regulation of immune response	0.25
immunoglobulin mediated imm...	0.25
B cell mediated immunity	0.25

C.

biological processes

GeneRatio

biological processes	GeneRatio (approx.)	-log10(p-value) (approx.)	p-value significance
tissue development	0.42	4.2	< 0.001
epithelium development	0.30	3.2	< 0.01
epidermis development	0.18	2.2	< 0.05
skin development	0.18	2.1	< 0.05
epidermal cell differentiation	0.12	2.0	< 0.05
keratinocyte differentiation	0.12	1.9	< 0.05
intermediate filament-based organization	0.08	1.5	< 0.05
intermediate filament cytoskeleton organization	0.08	1.4	< 0.05
intermediate filament organization	0.08	1.3	< 0.05
keratinization	0.08	1.1	< 0.05

B.

Biological Process	GeneRatio (approx.)	-log10(p-value) (approx.)	FDR (approx.)
response to stress	0.50	4.5	0.0001
response to external stimulus	0.45	4.0	0.0005
defense response	0.40	3.5	0.001
response to external biotic...	0.28	3.0	0.01
response to other organism	0.28	3.0	0.01
defense response to other o...	0.22	2.5	0.05
defense response to symbiont	0.20	2.2	0.1
innate immune response	0.18	2.0	0.15
regulation of response to e...	0.18	2.0	0.05
positive regulation of inna...	0.10	1.0	0.5

[illegible]