

B

Legend:

- size
 - 20
 - 25
 - 29
 - 34
- category
 - Complement and coagulation cascades
 - Drug metabolism - cytochrome P450
 - ECM-receptor interaction
 - Glycolysis / Gluconeogenesis
 - Leishmaniasis

Figure 3 displays three dot plots showing the enrichment of biological processes in differentially expressed genes across three conditions: B (blue), CC (cyan), and MF (magenta). The x-axis represents the GeneRatio, ranging from 0.03 to 0.07. The y-axis lists various biological processes. The B plot shows enrichment in processes like leukocyte migration and immune response. The CC plot shows enrichment in processes like collagen-containing extracellular matrix and cytoplasmic vesicle lumen. The MF plot shows enrichment in processes like cell adhesion molecule binding and enzyme inhibitor activity.

Biological pathways and their corresponding GeneRatio, Count, and qvalue:

Pathway	GeneRatio (approx.)	Count (approx.)	qvalue (approx.)
P13K-Akt signaling pathway	0.075	10	0.001
Complement and coagulation cascades	0.070	10	0.005
Proteoglycans in cancer	0.065	10	0.010
Phagosome	0.060	10	0.015
ECM-receptor interaction	0.055	10	0.020
Staphylococcus aureus infection	0.050	10	0.025
Glycolysis / Gluconeogenesis	0.045	10	0.030
Leishmaniasis	0.040	10	0.035
Rheumatoid arthritis	0.035	10	0.040
Toxoplasmosis	0.030	10	0.045
Carbon metabolism	0.025	10	0.050
Cell cycle	0.020	10	0.055
Drug metabolism - cytochrome P450	0.015	10	0.060
Metabolism of xenobiotics by cytochrome P450	0.010	10	0.065
Bile secretion	0.005	10	0.070
HIF-1 signaling pathway	0.002	10	0.075
PPAR signaling pathway	0.001	10	0.080
Biosynthesis of amino acids	0.000	10	0.085
Cholesterol metabolism	0.000	10	0.090
Retinol metabolism	0.000	10	0.095
Central carbon metabolism in cancer	0.000	10	0.100
Drug metabolism - other enzymes	0.000	10	0.105
Thyroid hormone synthesis	0.000	10	0.110
Inflammatory bowel disease	0.000	10	0.115
Chemical carcinogenesis - DNA adducts	0.000	10	0.120
Fructose and mannose metabolism	0.000	10	0.125
Pyruvate metabolism	0.000	10	0.130
Intestinal immune network for IgA production	0.000	10	0.135
Asthma	0.000	10	0.140
Tyrosine metabolism	0.000	10	0.145