

## GeDiPNet Cluster 192 -- Enriched GO Terms (Biological Process)

GO term enrichment: Biological Process terms (gene2go, human/tax\_id=9606 only), upper-tail hypergeometric test, fold enrichment = (overlap / cluster gene count) / (term gene count / universe size), Benjamini-Hochberg FDR-corrected. Top 15 terms per cluster by q-value. See scripts/build\_cluster\_go\_enrichment.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-07 03:23:06. · Rows: 15 · Generated: 2026-10-07 00:28:30

| GO Term                                                                                | GO ID      | Overlap Genes | Overlap Gene Names | Term Gene Count | Cluster Gene Count | Fold Enrichment | P-value  | FDR Q-value |
|----------------------------------------------------------------------------------------|------------|---------------|--------------------|-----------------|--------------------|-----------------|----------|-------------|
| smoothened signaling pathway involved in ventral spinal cord interneuron specification | GO:0021775 | 2             | GLI3, GLI2         | 3               | 9                  | 1384.22         | 6.184e-7 | 5.594e-5    |
| hindgut morphogenesis                                                                  | GO:0007442 | 2             | GLI3, GLI2         | 4               | 9                  | 1038.17         | 1.237e-6 | 9.830e-5    |
| spinal cord dorsal/ventral patterning                                                  | GO:0021513 | 2             | GLI3, GLI2         | 8               | 9                  | 519.08          | 5.765e-6 | 3.359e-4    |
| tube development                                                                       | GO:0035295 | 2             | GLI3, GLI2         | 13              | 9                  | 319.44          | 1.604e-5 | 7.570e-4    |
| embryonic digestive tract development                                                  | GO:0048566 | 2             | GLI3, GLI2         | 19              | 9                  | 218.56          | 3.511e-5 | 1.379e-3    |
| proximal/distal pattern formation                                                      | GO:0009954 | 2             | GLI3, GLI2         | 26              | 9                  | 159.72          | 6.661e-5 | 2.233e-3    |
| branching morphogenesis of an epithelial tube                                          | GO:0048754 | 2             | GLI3, GLI2         | 29              | 9                  | 143.20          | 8.315e-5 | 2.635e-3    |
| developmental growth                                                                   | GO:0048589 | 2             | GLI3, GLI2         | 30              | 9                  | 138.42          | 8.907e-5 | 2.777e-3    |
| negative regulation of smoothened signaling pathway                                    | GO:0045879 | 2             | GLI3, KIF7         | 35              | 9                  | 118.65          | 1.217e-4 | 3.509e-3    |
| mammary gland development                                                              | GO:0030879 | 2             | GLI3, GLI2         | 37              | 9                  | 112.23          | 1.361e-4 | 3.805e-3    |
| odontogenesis of dentin-containing tooth                                               | GO:0042475 | 2             | GLI3, GLI2         | 56              | 9                  | 74.15           | 3.133e-4 | 6.929e-3    |
| pattern specification process                                                          | GO:0007389 | 2             | GLI3, GLI2         | 60              | 9                  | 69.21           | 3.597e-4 | 7.586e-3    |
| lateral ganglionic eminence cell proliferation                                         | GO:0022018 | 1             | GLI3               | 1               | 9                  | 2076.33         | 4.816e-4 | 9.305e-3    |
| lambdoid suture morphogenesis                                                          | GO:0060366 | 1             | GLI3               | 1               | 9                  | 2076.33         | 4.816e-4 | 9.305e-3    |
| sagittal suture morphogenesis                                                          | GO:0060367 | 1             | GLI3               | 1               | 9                  | 2076.33         | 4.816e-4 | 9.305e-3    |