

## GeDiPNet Cluster 383 -- 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: 2026-10-08 03:23:04. · Rows: 15 · Generated: 2026-10-08 19:57:47

| GO Term                                              | GO ID      | Overlap Genes | Overlap Gene Names               | Term Gene Count | Cluster Gene Count | Fold Enrichment | P-value   | FDR Q-value |
|------------------------------------------------------|------------|---------------|----------------------------------|-----------------|--------------------|-----------------|-----------|-------------|
| determination of left/right symmetry                 | GO:0007368 | 5             | IFT140, IFT172, NEK8, PKD2, ALG5 | 83              | 10                 | 112.57          | 3.788e-10 | 9.160e-8    |
| heart development                                    | GO:0007507 | 5             | IFT140, IFT172, NEK8, PKD1, PKD2 | 273             | 10                 | 34.23           | 1.523e-7  | 1.751e-5    |
| cilium organization                                  | GO:0044782 | 3             | IFT172, WDR19, PKD2              | 40              | 10                 | 140.15          | 1.079e-6  | 8.908e-5    |
| metanephric ascending thin limb development          | GO:0072218 | 2             | PKD1, PKD2                       | 4               | 10                 | 934.35          | 1.546e-6  | 1.192e-4    |
| neural tube development                              | GO:0021915 | 3             | IFT172, PKD1, PKD2               | 45              | 10                 | 124.58          | 1.548e-6  | 1.192e-4    |
| mesonephric duct development                         | GO:0072177 | 2             | PKD1, PKD2                       | 6               | 10                 | 622.90          | 3.862e-6  | 2.487e-4    |
| mesonephric tubule development                       | GO:0072164 | 2             | PKD1, PKD2                       | 7               | 10                 | 533.91          | 5.405e-6  | 3.255e-4    |
| chordate embryonic development                       | GO:0043009 | 2             | PKD1, PKD2                       | 11              | 10                 | 339.76          | 1.414e-5  | 6.960e-4    |
| placenta blood vessel development                    | GO:0060674 | 2             | PKD1, PKD2                       | 14              | 10                 | 266.96          | 2.337e-5  | 1.023e-3    |
| intraciliary retrograde transport                    | GO:0035721 | 2             | IFT140, WDR19                    | 14              | 10                 | 266.96          | 2.337e-5  | 1.023e-3    |
| embryonic camera-type eye development                | GO:0031076 | 2             | IFT140, WDR19                    | 15              | 10                 | 249.16          | 2.696e-5  | 1.142e-3    |
| detection of mechanical stimulus                     | GO:0050982 | 2             | PKD1, PKD2                       | 15              | 10                 | 249.16          | 2.696e-5  | 1.142e-3    |
| protein heterotetramerization                        | GO:0051290 | 2             | PKD1, PKD2                       | 16              | 10                 | 233.59          | 3.081e-5  | 1.261e-3    |
| dolichol-linked oligosaccharide biosynthetic process | GO:0006488 | 2             | ALG5, ALG8                       | 19              | 10                 | 196.71          | 4.386e-5  | 1.663e-3    |
| protein N-linked glycosylation via asparagine        | GO:0018279 | 2             | ALG5, ALG8                       | 24              | 10                 | 155.73          | 7.069e-5  | 2.387e-3    |