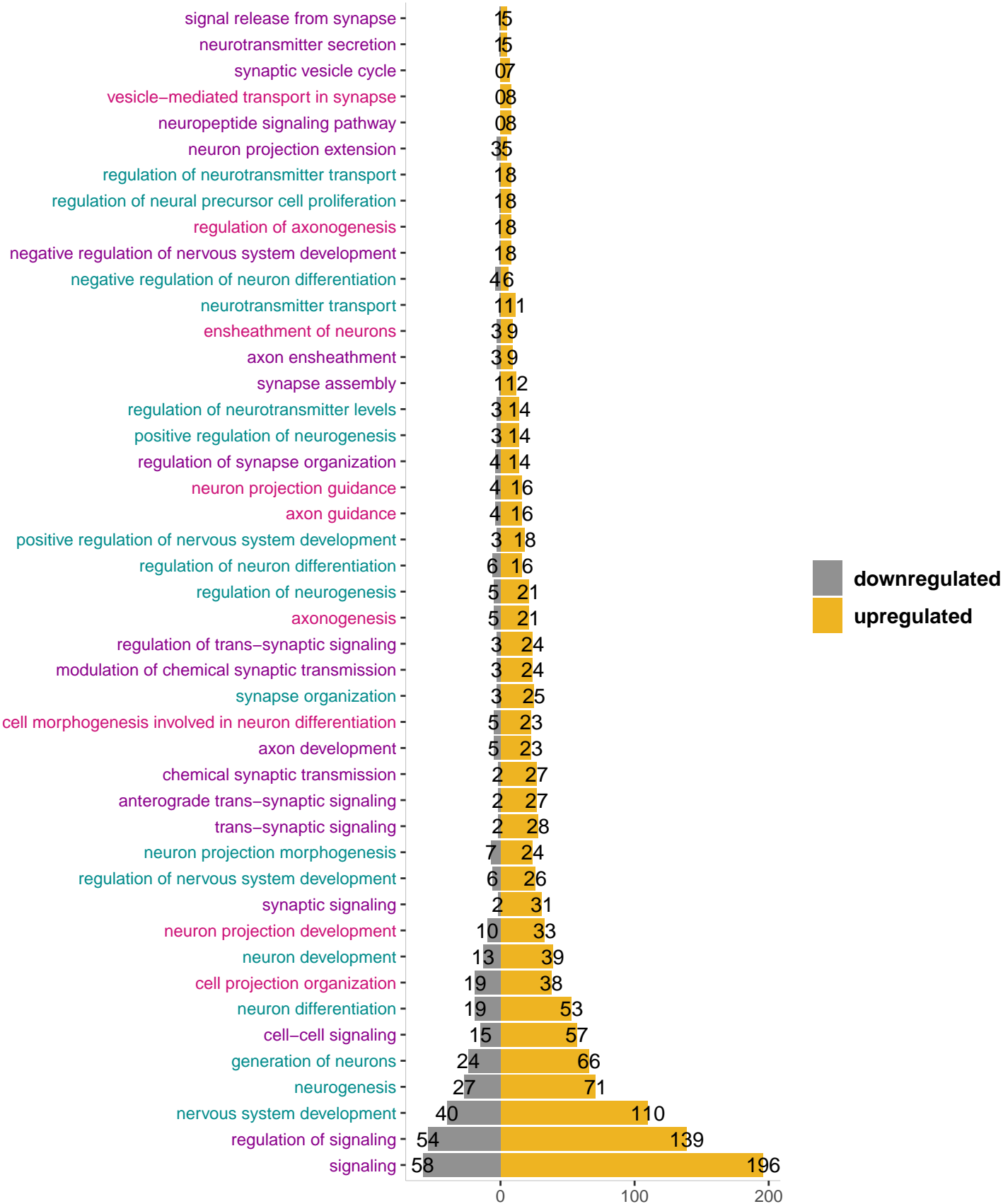


# Total deregulated genes per pathway

significantly deregulated pathways



downregulated  
upregulated