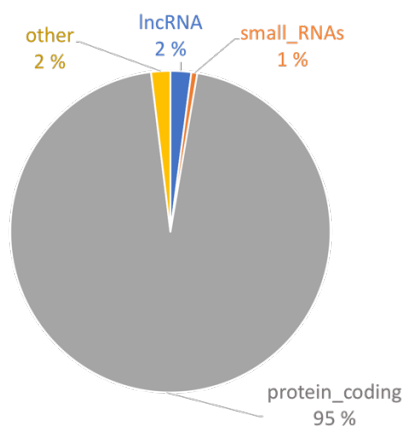
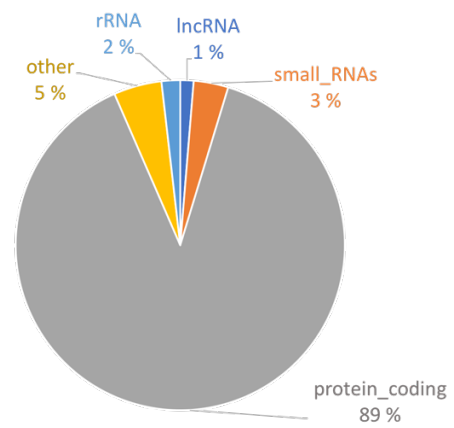


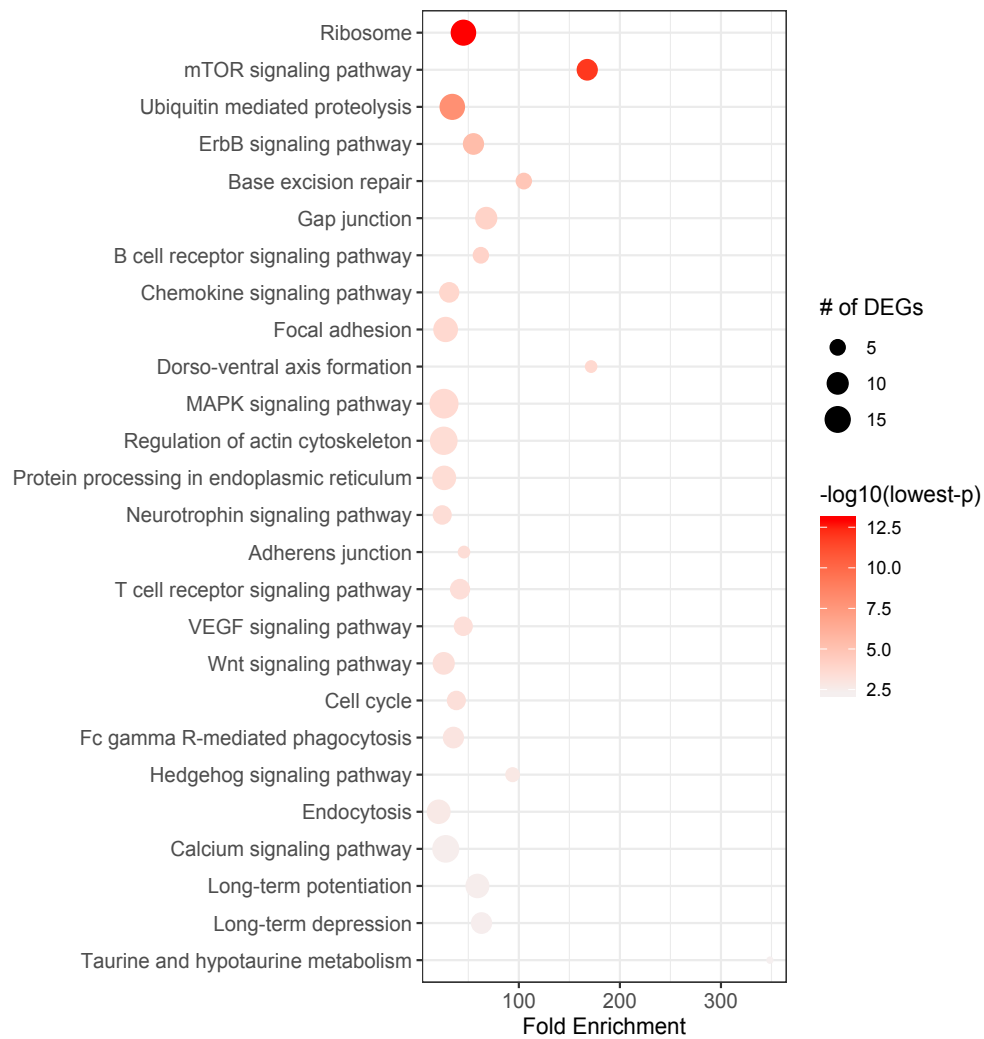
Distribution of up-regulated DE genes



Distribution of down-regulated DE genes



Supplementary Figure S5. Distribution of up- and down-regulated DGE genes. Biotypes of significantly **a)** up-regulated and **b)** down-regulated DGE genes identified in the gene-level analysis. Small RNAs include miRNAs and snoRNAs. “Other” include pseudogenes and processed pseudogenes. lncRNA: Long non-coding RNA.



Supplementary Figure S6. Pathway analysis of significant DGE genes. The significant DGE genes were enriched for 26 molecular pathways. The ribosome pathway was the most significant, while MAPK signaling pathway included the largest number of DGE genes and the taurine and hypotaurine metabolism had the biggest effect size. Lowest-p refers to the lowest p-value after 10 iterations. mTOR: Mammalian target of rapamycin. MAPK: Mitogen-activated protein kinase. VEGF: Vascular endothelial growth factor.