|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table 1.** Gene expression dataset retrieved with top significant pathways GO annotations analysis of the DEGs in PDAC. | | | | |
| **Category** | **Term** | **Count** | ***p*‐value** | **Genes** |
| GOTERM\_BP | GO:0006413~translational initiation | 12 | 3.05E-06 | RPL7A, EIF2S3, RPL10, RPL18A, RPLP1, RPS6, RPS3A, PABPC1, RPL8, RPL39, EIF1, RPS23 |
|  |  |
| GOTERM\_BP | GO:0000184~nuclear-transcribed mRNA catabolic process, nonsense-mediated decay | 11 | 5.74E-06 | RPL7A, RPL10, RPL18A, PPP2R1A, RPLP1, RPS6, RPS3A, PABPC1, RPL8, RPL39, RPS23 |
|  |  |
| GOTERM\_BP | GO:0006614~SRP-dependent cotranslational protein targeting to membrane | 9 | 4.58E-05 | RPL7A, RPL10, RPL18A, RPLP1, RPS6, RPS3A, RPL8, RPL39, RPS23 |
| GOTERM\_BP | GO:0043066~negative regulation of apoptotic process | 19 | 6.12E-05 | CD74, ANXA1, DUSP1, PRKDC, ANXA4, RPS6, ANXA5, RPS3A, SOD2, MT3, HSP90B1, NME1-NME2, GREM1, GOLPH3, UBC, MDM2, PDCD4, PDE3A, ANGPTL4 |
| GOTERM\_BP | GO:0098609~cell-cell adhesion | 14 | 1.01E-04 | YWHAE, RAB1A, HSPA8, SND1, RAB10, LIMA1, RPL7A, MYO1B, EIF2S3, SLK, KIF5B, PRDX1, RACK1, SPTBN1 |
| GOTERM\_MF | GO:0005515~protein binding | 151 | 1.11E-06 |  |
| GOTERM\_MF | GO:0098641~cadherin binding involved in cell-cell adhesion | 16 | 6.76E-06 | YWHAE, RAB1A, HSPA8, ANXA1, SND1, RAB10, LIMA1, RPL7A, MYO1B, EIF2S3, SLK, KIF5B, PRDX1, RACK1, CTNNA2, SPTBN1 |
| GOTERM\_MF | GO:0044822~poly(A) RNA binding | 33 | 2.92E-05 | YWHAE, RPL10, PRKDC, RPL8, RPL7A, PPP1CC, RPL18A, PRDX1, UBC, RACK1, DHX37, TNPO1, SPTBN1, HSPA8, DDX18, SSB, RPS6, RPS3A, HLA-A, DDX50, QKI, SND1, EIF1, CNOT1, HNRNPH1, SUB1, HNRNPA2B1, LUC7L3, SRSF5, PABPC1, P4HB, SLC25A5, RPS23 |
| GOTERM\_MF | GO:0003735~structural constituent of ribosome | 12 | 1.70E-04 | RPL7A, RPLP0P6, RPL10, RPL18A, RPLP1, RPS6, RPS3A, SLC25A5, RPL8, RPL39, RPS23, SLC25A6 |
| GOTERM\_MF | GO:0005201~extracellular matrix structural constituent | 7 | 2.41E-04 | COL1A1, COL3A1, VCAN, COL1A2, BGN, LAMB1, FBN1 |
| GOTERM\_CC | GO:0070062~extracellular exosome | 86 | 3.56E-15 |  |
| GOTERM\_CC | GO:0005925~focal adhesion | 26 | 4.79E-11 | YWHAE, RPLP1, RPL8, ACTB, ACTG1, HSP90B1, CORO1C, LIMA1, RPL7A, PPP1CC, B2M, JAK1, ACTR3, HSPA8, ANXA1, ANXA5, ADAM10, MSN, RPS3A, RAB10, MMP14, ARPC2, VIM, PABPC1, P4HB, BCAR1 |
| GOTERM\_CC | GO:0031012~extracellular matrix | 22 | 2.79E-10 | HSPA8, MMP7, PRKDC, BGN, LAMB1, RPS3A, ACTG1, HSP90B1, COL1A1, COL3A1, MMP14, VCAN, SFRP2, COL1A2, PRDX1, VIM, P4HB, SLC25A5, GAPDH, PRSS2, SLC25A6, FBN1 |
| GOTERM\_CC | GO:0005615~extracellular space | 41 | 5.77E-07 |  |
| GOTERM\_CC | GO:0016020~membrane | 56 | 8.46E-07 |  |
| KEGG\_PATHWAY | hsa04141:Protein processing in endoplasmic reticulum | 12 | 3.08E-04 | EDEM3, HSPA8, LMAN1, TRAM1, EIF2AK1, SEL1L, DNAJA2, DNAJC10, UBQLN1, SSR1, P4HB, HSP90B1 |
| KEGG\_PATHWAY | hsa05169:Epstein-Barr virus infection | 9 | 0.00198029 | USP7, MDM2, PLCG2, HLA-DRA, TNFAIP3, HLA-A, VIM, HLA-G, JAK1 |
| KEGG\_PATHWAY | hsa04611:Platelet activation | 9 | 0.00294902 | COL1A1, PPP1CC, COL3A1, COL1A2, ROCK1, GNAQ, PLCG2, ACTB, ACTG1 |
| KEGG\_PATHWAY | hsa03010:Ribosome | 9 | 0.00389219 | RPL7A, RPL10, RPL18A, RPLP1, RPS6, RPS3A, RPL8, RPL39, RPS23 |
| KEGG\_PATHWAY | hsa04670:Leukocyte transendothelial migration | 8 | 0.00567818 | ROCK1, PECAM1, PLCG2, MSN, CTNNA2, ACTB, BCAR1, ACTG1 |
| Abbreviations- gene ontology: GO; biological process: BP; cell component: CC; Kyoto Encyclopedia of Genes and Genomes: KEGG ( by the p-value) | | | | |