**Table 3.** Top 10 most excessive KEGG pathway enrichment analysis of global DEGs in PDAC tumor and non-tumor tissues micro-array gene expression dataset.

|  |  |  |  |
| --- | --- | --- | --- |
| **Term** | **Count** | **p-value** | **Genes** |
| hsa04141:Protein processing in endoplasmic reticulum | 12 | 3.08E-04 | EDEM3, HSPA8, LMAN1, TRAM1, EIF2AK1, SEL1L, DNAJA2, DNAJC10, UBQLN1, SSR1, P4HB, HSP90B1 |
| hsa05169:Epstein-Barr virus infection | 9 | 0.00198029 | USP7, MDM2, PLCG2, HLA-DRA, TNFAIP3, HLA-A, VIM, HLA-G, JAK1 |
| hsa04611:Platelet activation | 9 | 0.00294902 | COL1A1, PPP1CC, COL3A1, COL1A2, ROCK1, GNAQ, PLCG2, ACTB, ACTG1 |
| hsa03010:Ribosome | 9 | 0.0038922 | RPL7A, RPL10, RPL18A, RPLP1, RPS6, RPS3A, RPL8, RPL39, RPS23 |
| hsa04670:Leukocyte transendothelial migration | 8 | 0.00567818 | ROCK1, PECAM1, PLCG2, MSN, CTNNA2, ACTB, BCAR1, ACTG1 |
| hsa04974:Protein digestion and absorption | 7 | 0.00597994 | COL1A1, CPA2, COL3A1, CPA1, COL1A2, SLC38A2, PRSS2 |
| hsa05168:Herpes simplex infection | 10 | 0.00724955 | CD74, PPP1CC, USP7, EIF2AK1, CSNK2B, HLA-DRA, HLA-A, SRSF5, HLA-G, JAK1 |
| hsa04612:Antigen processing and presentation | 6 | 0.01371483 | HSPA8, CD74, HLA-DRA, HLA-A, B2M, HLA-G |
| hsa04510:Focal adhesion | 10 | 0.01503298 | COL1A1, PDGFRA, PPP1CC, COL3A1, COL1A2, ROCK1, LAMB1, ACTB, BCAR1, ACTG1 |
| hsa05164:Influenza A | 9 | 0.01624626 | IVNS1ABP, HSPA8, EIF2AK1, HLA-DRA, NXT2, PRSS2, ACTB, JAK1, ACTG1 |