## 97个结直肠癌相关EMT分析

表1 EMT的富集通路

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#Term** | **Database** | **Input number** | **Background number** | **Corrected P-Value** |
| Proteoglycans in cancer | KEGG PATHWAY | 18 | 205 | 3.29E-20 |
| Signal Transduction | Reactome | 37 | 2448 | 1.05E-18 |
| Pathways in cancer | KEGG PATHWAY | 20 | 397 | 1.20E-18 |
| MicroRNAs in cancer | KEGG PATHWAY | 17 | 299 | 1.48E-16 |
| Developmental Biology | Reactome | 21 | 841 | 6.30E-14 |
| Angiogenesis | PANTHER | 12 | 157 | 6.21E-13 |
| Chemokine signaling pathway | KEGG PATHWAY | 10 | 187 | 2.92E-09 |
| PI3K-Akt signaling pathway | KEGG PATHWAY | 12 | 342 | 2.92E-09 |
| Signaling pathways regulating pluripotency of stem cells | KEGG PATHWAY | 9 | 142 | 5.40E-09 |
| Rheumatoid arthritis | KEGG PATHWAY | 8 | 91 | 5.40E-09 |
| CCKR signaling map | PANTHER | 9 | 175 | 2.69E-08 |
| Axon guidance | KEGG PATHWAY | 9 | 176 | 2.69E-08 |
| @@Axon guidance | Reactome | 10 | 549 | 7.95E-06 |
| Cytokine-cytokine receptor interaction | KEGG PATHWAY | 10 | 265 | 4.36E-08 |
| Platelet activation, signaling and aggregation | Reactome | 10 | 277 | 6.11E-08 |
| Diseases of signal transduction | Reactome | 10 | 282 | 6.73E-08 |
| Cellular responses to stress | Reactome | 11 | 387 | 8.62E-08 |
| Interleukin signaling pathway | PANTHER | 7 | 88 | 9.79E-08 |
| Hepatitis B | KEGG PATHWAY | 8 | 146 | 1.03E-07 |
| Hippo signaling pathway | KEGG PATHWAY | 8 | 154 | 1.46E-07 |

表2 EMT富集的疾病

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#Term** | **Database** | **Input number** | **Background number** | **Corrected P-Value** |
| Cancers | KEGG DISEASE | 9 | 211 | 4.79E-07 |
| Head and neck cancers | KEGG DISEASE | 4 | 23 | 4.80E-05 |
| Ovarian cancer, somatic | OMIM | 3 | 6 | 7.15E-05 |
| Colorectal cancer | NHGRI GWAS Catalog | 5 | 77 | 7.39E-05 |
| @@Colorectal cancer | OMIM | 3 | 26 | 0.000694649 |
| @@Colorectal cancer | KEGG DISEASE | 2 | 14 | 0.004525582 |
| Hepatocellular carcinoma | KEGG DISEASE | 3 | 12 | 0.000230167 |
| Cancers of the digestive system | KEGG DISEASE | 4 | 48 | 0.000236424 |
| Thyroid cancer | KEGG DISEASE | 3 | 16 | 0.000347818 |
| Gastric cancer | KEGG DISEASE | 3 | 20 | 0.000517329 |
| @@Gastric cancer | NHGRI GWAS Catalog | 2 | 12 | 0.003971678 |
| Digestive system diseases | KEGG DISEASE | 4 | 66 | 0.000517329 |
| Immune system diseases | KEGG DISEASE | 6 | 243 | 0.000536688 |
| Breast cancer | OMIM | 3 | 23 | 0.000587051 |
| @@Breast cancer | KEGG DISEASE | 2 | 9 | 0.003134562 |
| @@Breast cancer | NHGRI GWAS Catalog | 1 | 120 | 0.247498826 |
| Cancers of the breast and female genital organs | KEGG DISEASE | 3 | 24 | 0.000604396 |
| Allergies and autoimmune diseases | KEGG DISEASE | 4 | 85 | 0.000856787 |
| Cancers of endocrine organs | KEGG DISEASE | 3 | 35 | 0.001369381 |

## GEO分析