|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Disease Name | Dataset | Tissue | Case  Samples | Control  Samples | DEGs (Pval= 0.05) | DEGs(Pval=0.05 and logFC=abs(1)) | UP  Regulated | Down  Regulated | Raw GSEA | Fisher GSEA |
| Bladder Cancer | GSE27448 | Bladder Tissue | 10 | 5 | 6490 | 4589 | 1973 | 2616 | 15593 | 6542 |
| Bladder Cancer | GSE37817 | Bladder Tissue | 18 | 5 | 8299 | 1139 | 757 | 382 | 15805 | 5789 |
| Bladder Cancer | GSE37815 | Bladder Tissue | 18 | 6 | 8299 | 1139 | 757 | 382 | 15805 | 5789 |
|  |  |  |  |  |  |  |  |  |  |  |
| Blood Cancer | GSE56495 | Whole Blood | 46 | 8 | 6865 | 293 | 183 | 110 | 16003 | 3329 |
| Blood Cancer | GSE61629 | Whole Blood | 21 | 21 | 17572 | 143 | 68 | 74 | 15866 | 2714 |
| Blood Cancer | GSE47018 | peripheral blood cell | 21 | 6 | 1682 | 159 | 98 | 61 | 15395 | 3317 |
|  |  |  |  |  |  |  |  |  |  |  |
| Breast Cancer | GSE86374 | Breast Tumor Tissue | 124 | 35 | 18709 | 920 | 572 | 348 | 15901 | 5313 |
| Breast Cancer | GSE71053 | Breast Tissue | 6 | 12 | 10646 | 1282 | 749 | 533 | 15866 | 5912 |
| Breast Cancer | GSE72644 | Breast Tissue | 9 | 27 | 5618 | 720 | 370 | 350 | 15909 | 5241 |
|  |  |  |  |  |  |  |  |  |  |  |
| Colorectal Cancer | GSE141174 | Lymph Node | 8 | 8 | 2057 | 166 | 60 | 105 | 15835 | 4344 |
| Colorectal Cancer | GSE46824 | Colon & rectum | 25 | 9 | 16462 | 1110 | 541 | 569 | 15901 | 5051 |
| Colorectal Cancer | GSE37182 | Colon | 84 | 88 | 46778 | 2357 | 2144 | 213 | 15921 | 6380 |
|  |  |  |  |  |  |  |  |  |  |  |
| Liver Cancer | GSE112790 | Liver | 183 | 15 | 25054 | 2535 | 1234 | 1201 | 15866 | 6293 |
| Liver Cancer | GSE121248 | Liver Tumor Tissue | 70 | 37 | 30657 | 1325 | 901 | 423 | 15866 | 5627 |
| Liver Cancer | GSE69715 | Liver tumor | 37 | 66 | 29480 | 2091 | 1558 | 533 | 15866 | 6122 |
|  |  |  |  |  |  |  |  |  |  |  |
| Ovarian Cancer | GSE29220 | Bio fluid | 11 | 11 | 2032 | 14 | 1 | 13 | 15866 | 103 |
| Ovarian Cancer | GSE31682 | Blood | 48 | 20 | 13698 | 2686 | 1009 | 1677 | 15786 | 6205 |
| Ovarian Cancer | GSE36668 | Ovary | 8 | 4 | 16634 | 8327 | 4244 | 4083 | 15820 | 6723 |
|  |  |  |  |  |  |  |  |  |  |  |
| Pancreatic Cancer | GSE45765 | Pancreatic | 156 | 9 | 9986 | 4398 | 2041 | 2357 | 15395 | 6277 |
| Pancreatic Cancer | GSE45757 | Pancreatic | 132 | 9 | 10878 | 4724 | 2420 | 2304 | 15395 | 6283 |
| Pancreatic Cancer | GSE40098 | Pancreas | 20 | 1 | 3200 | 3200 | 1380 | 1820 | 15380 | 6360 |
|  |  |  |  |  |  |  |  |  |  |  |
| Type 2 Diabetes | GSE55650 | Myoblasts | 14 | 9 | 5328 | 228 | 159 | 69 | 3719 | 407 |
| Type 2 Diabetes | GSE71416 | Omentum | 14 | 6 | 4931 | 905 | 60 | 845 | 6088 | 958 |
| Type 2 Diabetes | GSE64998 | Liver | 7 | 14 | 2181 | 9 | 4 | 5 | 15865 | 427 |
| Type 2 Diabetes | GSE29226 | Subcutaneous adipose | 12 | 12 | 5059 | 584 | 363 | 221 | 5678 | 862 |