**Supplementary Table 6.** Public scRNA-seq datasets for pancreatic ductal adenocarcinoma

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **scRNA-seq** | **Tissue/****Cell type**  | **Total number of samples**  | **Data type** | **Journal/Year** | **Acquire website** |
| GSE197177 | HM &ADJ | 4 | scRNA-seq | Nature communications2023 | https://www.ncbi.nlm.nih.gov/geo |
| GSE229413 | HD | 5 |  scRNA-seq | Cancer Discovery2023 | https://www.ncbi.nlm.nih.gov/geo |
| PRJCRA001160 | ADJ &PDAC | 35 | scRNA-seq | Cell Research2019 | https://ngdc.cncb.ac.cn/bioproject/browse/PRJCA001063 |
| GSE242230/syn5241395 | PDAC | 5 | scRNA-seq | npj Precision Oncology2023 | https://humantumoratlas.org |
| OEP003254 | PDAC | 5 | scRNA-seq | Gut2022 | https://www.biosino.org/node/project/detail/OEP003254 |

NORM, normal pancreas; PDAC, pancreatic ductal adenocarcinoma; HD, healthy donor; ADJ, adjacent normal; LNN, lymph node-negative; LNP, lymph node-positive; HM, hepatic metastasis.