# **Resource Summary Report**

Generated by dkNET on May 22, 2025

# **DoubletFinder**

RRID:SCR\_018771

Type: Tool

### **Proper Citation**

DoubletFinder (RRID:SCR\_018771)

#### **Resource Information**

**URL:** https://github.com/chris-mcginnis-ucsf/DoubletFinder

**Proper Citation:** DoubletFinder (RRID:SCR\_018771)

**Description:** Software R package that predicts doublets in single cell RNA sequencing data. Doublet detection in single cell RNA sequencing data using artificial nearest neighbors. Identifies doublets using only gene expression data.

**Resource Type:** software resource, software application, data processing software, data analysis software

**Defining Citation:** PMID:30954475

**Keywords:** Doublet detection in single cell RNA, single cell RNA, doublet detection, RNA sequencing data, gene expression data, artificial nearest neighbors

Funding: Department of Defense Breast Cancer Research Program;

NICHD DP2 HD080351;

NSF MCB 1330864:

UCSF Center for Cellular Construction; NSF Science and Technology Center;

Damon Runyon Cancer Research Foundation

Availability: Free, Available for download, Freely available

Resource Name: DoubletFinder

Resource ID: SCR 018771

**Record Creation Time:** 20220129T080341+0000

**Record Last Update**: 20250522T061224+0000

## Ratings and Alerts

No rating or validation information has been found for DoubletFinder.

No alerts have been found for DoubletFinder.

#### Data and Source Information

Source: SciCrunch Registry

### **Usage and Citation Metrics**

We found 537 mentions in open access literature.

**Listed below are recent publications.** The full list is available at dkNET.

Watson BR, et al. (2025) Spatial transcriptomics of healthy and fibrotic human liver at single-cell resolution. Nature communications, 16(1), 319.

Ge X, et al. (2025) Spatiotemporal transcriptome and metabolome landscapes of cotton somatic embryos. Nature communications, 16(1), 859.

Grimes JM, et al. (2025) Oncolytic reprogramming of tumor microenvironment shapes CD4 T-cell memory via the IL6ra-Bcl6 axis for targeted control of glioblastoma. Nature communications, 16(1), 1095.

Zhang Z, et al. (2025) MLKL-USP7-UBA52 signaling is indispensable for autophagy in brain through maintaining ubiquitin homeostasis. Autophagy, 21(2), 424.

Liao F, et al. (2025) The role of FOXK2-FBXO32 in breast cancer tumorigenesis: Insights into ribosome-associated pathways. Thoracic cancer, 16(1), e15482.

Sun X, et al. (2025) Spatiotemporal transcriptome and metabolome landscapes of cotton fiber during initiation and early development. Nature communications, 16(1), 858.

Wang Z, et al. (2025) Identification of human cranio-maxillofacial skeletal stem cells for mandibular development. Science advances, 11(1), eado7852.

Liu Y, et al. (2025) Donor MHC-specific thymus vaccination allows for immunocompatible allotransplantation. Cell research, 35(2), 132.

Li P, et al. (2025) FPR1 affects acute rejection in kidney transplantation by regulating iron

metabolism in neutrophils. Molecular medicine (Cambridge, Mass.), 31(1), 23.

So J, et al. (2025) Robust single-nucleus RNA sequencing reveals depot-specific cell population dynamics in adipose tissue remodeling during obesity. eLife, 13.

Wang S, et al. (2025) Single-cell transcriptomic analysis of the senescent microenvironment in bone metastasis. Cell proliferation, 58(1), e13743.

Zhao Z, et al. (2025) PDPN+ cancer-associated fibroblasts enhance gastric cancer angiogenesis via AKT/NF-?B activation and the CCL2-ACKR1 axis. MedComm, 6(1), e70037.

Cao D, et al. (2025) Time-series single-cell transcriptomic profiling of luteal-phase endometrium uncovers dynamic characteristics and its dysregulation in recurrent implantation failures. Nature communications, 16(1), 137.

Matusova Z, et al. (2025) Aberrant neurodevelopment in human iPS cell-derived models of Alexander disease. Glia, 73(1), 57.

Chen Z, et al. (2025) Single-Nucleus RNA Sequencing Reveals Cellular Transcriptome Features at Different Growth Stages in Porcine Skeletal Muscle. Cells, 14(1).

Tang Z, et al. (2025) Single-cell RNA sequencing provides new insights into the interaction between astrocytes and neurons after spinal cord injury in mice. Biochemistry and biophysics reports, 41, 101917.

Lavarti R, et al. (2025) Senescence landscape in the liver following sepsis and senolytics as potential therapeutics. Aging cell, 24(1), e14354.

Zheng G, et al. (2025) Spatial and Single-Cell Transcriptomics Unraveled Spatial Evolution of Papillary Thyroid Cancer. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(2), e2404491.

Yan Y, et al. (2025) Macrophages excite muscle spindles with glutamate to bolster locomotion. Nature, 637(8046), 698.

Wang F, et al. (2025) Disturbed shear stress promotes atherosclerosis through TRIM21-regulated MAPK6 degradation and consequent endothelial inflammation. Clinical and translational medicine, 15(1), e70168.