

Resource Summary Report

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PanKbase

RRID:SCR_026593

Type: Tool

Proper Citation

PanKbase (RRID:SCR_026593)

Resource Information

URL: <https://pankbase.org>

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Description: Centralized knowledge base of the human pancreas for diabetes research. Integrates diverse type 1 diabetes (T1D) datasets with expert-curated knowledge in centralized, open-source data hub. Since users will ultimately be able to contribute their own data, this will be repository for reproducible, collaborative research within the pancreas and T1D realms.

Resource Type: knowledge base, data or information resource, database

Keywords: human pancreas, diabetes research, type 1 diabetes (T1D) datasets, expert-curated knowledge, pancreas, T1D

Funding: NIDDK U24 DK138515;
NIDDK U24 DK138512;
NIH Office of Data Science Strategies

Availability: Free, Freely available

Resource Name: PanKbase

Resource ID: SCR_026593

Alternate URLs: <https://github.com/PanKbase-pipelines>, <https://github.com/PanKbase-DB>

Record Creation Time: 20250318T060326+0000

Record Last Update: 20260820T055107+0000

Ratings and Alerts

No rating or validation information has been found for PanKbase.

No alerts have been found for PanKbase.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Roy J, et al. (2026) Synthetic Immunological Niche Reveals Early Immune Dysregulation and Stratifies Therapeutic Response in Type 1 Diabetes. bioRxiv : the preprint server for biology.

Bandesh K, et al. (2026) Deep single-cell decoding of human pancreatic islets reveals T2D ??-cell gene expression defects. The EMBO journal, 45(11), 3978.

Vu HTH, et al. (2026) PanKbase Integrated Single-Cell Map: A Comprehensive Atlas of Human Pancreatic Islets. bioRxiv : the preprint server for biology.

Arevalo-Rios ECE, et al. (2026) Long QT syndrome and hypoglycemia in a postbariatric surgery patient with a likely pathogenic variant in KCNE1. JCEM case reports, 4(7), luag094.

Erdem N, et al. (2026) Human pancreatic ductal cells from non-diabetic donors function as non-professional antigen-presenting cells upon inflammatory cytokine exposure. Diabetologia, 69(8), 2323.

Evans-Molina C, et al. (2026) Heterogeneous endocrine cell composition defines human islet functional phenotypes. Nature communications, 17(1).

Yau B, et al. (2025) The role of the beta cell in type 2 diabetes: new findings from the last 5 years. Diabetologia, 68(10), 2092.

Evans-Molina C, et al. (2024) Heterogeneous endocrine cell composition defines human islet functional phenotypes. bioRxiv : the preprint server for biology.