Resource Summary Report

Generated by NIF on Sep 5, 2026

TIGER Data Portal

RRID:SCR_023626
Type: Tool

Proper Citation

TIGER Data Portal (RRID:SCR_023626)

Resource Information

URL: http://tiger.bsc.es

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Description: Resource enables integrative exploration of genetic and epigenetic basis of development of Type 2 Diabetes, together with other associated functional, molecular and clinical data, centered in biology and role of pancreatic beta cells.The gene expression regulatory variation landscape of human pancreatic islets.

Synonyms: Translational Human Pancreatic Islet Genotype Tissue-Expression Resource

Resource Type: data or information resource, disease-related portal, portal, topical portal

Defining Citation: PMID:34644572

Keywords: Type 2 Diabetes, genetic and epigenetic, functional data, molecular data, clinical data, pancreatic beta cells.

Related Condition: Type 2 Diabetes

Funding: American Diabetes Association Innovative and Clinical Translational Award ;
European Union Horizon 2020 ;
NIDDK U01 DK085545;
NIDDK U01 DK105535;
Research England ;
Spanish government ;
Swiss State Secretariat for Education, Research and Innovation ;
Wellcome Trust

Resource Name: TIGER Data Portal

Resource ID: SCR_023626

Record Creation Time: 20230527T050216+0000

Record Last Update: 20260903T235920+0000

Ratings and Alerts

No rating or validation information has been found for TIGER Data Portal.

No alerts have been found for TIGER Data Portal.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

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.

Pascat V, et al. (2026) Partitioned polygenic scores show mechanistic heterogeneity in type 2 diabetes and hypertension comorbidity. Nature communications, 17(1), 1446.

Bocher O, et al. (2026) Unravelling the molecular mechanisms causal to type 2 diabetes across global populations and disease-relevant tissues. Nature metabolism, 8(2), 506.

Zhang J, et al. (2025) The landscape of immunogenic cell death-related genes predicts the overall survival and immune infiltration status of non-small-cell lung carcinoma. Heliyon, 11(1), e40869.

Bocher O, et al. (2025) Unravelling the molecular mechanisms causal to type 2 diabetes across global populations and disease-relevant tissues. medRxiv : the preprint server for health sciences.

Kuo P, et al. (2025) Histone variant H2A.W7 represses meiotic crossover formation in Arabidopsis heterochromatin. Proceedings of the National Academy of Sciences of the United States of America, 122(22), e2414166122.

Bandesh K, et al. (2025) Single-cell decoding of human islet cell type-specific alterations in type 2 diabetes reveals converging genetic- and state-driven ? -cell gene expression defects. bioRxiv : the preprint server for biology.

Yu SL, et al. (2024) Speeding genomic island discovery through systematic design of reference database composition. PloS one, 19(3), e0298641.

Zhu L, et al. (2024) The kinase ATR controls meiotic crossover distribution at the genome scale in Arabidopsis. The Plant cell, 37(1).

Nelson HM, et al. (2024) Transfer of miR-100 and miR-125b increases 3D growth and invasiveness in recipient cancer cells. Extracellular vesicles and circulating nucleic acids, 5(3), 397.

Huerta-Chagoya A, et al. (2024) Rare variant analyses in 51,256 type 2 diabetes cases and 370,487 controls reveal the pathogenicity spectrum of monogenic diabetes genes. Nature genetics, 56(11), 2370.

Meulebrouck S, et al. (2024) Functional genetics reveals the contribution of delta opioid receptor to type 2 diabetes and beta-cell function. Nature communications, 15(1), 6627.

Kwak SH, et al. (2023) Insights from rare variants into the genetic architecture and biology of youth-onset type 2 diabetes. Research square.

Maina JG, et al. (2023) Bidirectional Mendelian Randomization and Multiphenotype GWAS Show Causality and Shared Pathophysiology Between Depression and Type 2 Diabetes. Diabetes care, 46(9), 1707.

Erlenbach T, et al. (2023) Investigating the phylogenetic history of toxin tolerance in mushroom-feeding Drosophila. Ecology and evolution, 13(12), e10736.

Schroeder P, et al. (2023) Rare variant association analysis in 51,256 type 2 diabetes cases and 370,487 controls informs the spectrum of pathogenicity of monogenic diabetes genes. medRxiv : the preprint server for health sciences.

Karvinen S, et al. (2023) Extracellular vesicles and high-density lipoproteins: Exercise and oestrogen-responsive small RNA carriers. Journal of extracellular vesicles, 12(2), e12308.

Lagou V, et al. (2023) GWAS of random glucose in 476,326 individuals provide insights into diabetes pathophysiology, complications and treatment stratification. Nature genetics, 55(9), 1448.

Lambing C, et al. (2020) ASY1 acts as a dosage-dependent antagonist of telomere-led recombination and mediates crossover interference in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 117(24), 13647.

Lu TM, et al. (2017) The phylogenetic position of dicyemid mesozoans offers insights into spiralian evolution. Zoological letters, 3, 6.