Resource Summary Report

Generated by kravitz2 on Sep 1, 2026

FerrDb

RRID:SCR_026852
Type: Tool

Proper Citation

FerrDb (RRID:SCR_026852)

Resource Information

URL: http://www.zhounan.org/ferrdb/current/

Proper Citation: FerrDb (RRID:SCR_026852)

Description: Manually curated database of ferroptosis regulators and ferroptosis-disease associations. There are two secondary categories of ferroptosis regulators: (1) genes and (2) substances. Gene regulators include driver, suppressor, marker, and unclassified regulator. Substances cover range of chemical entities, including pure substances (e.g., iron, erastin) and mixtures (e.g., herbal extracts). Substance regulators include inducers and inhibitors. FerrDb V2 is updated database.

Synonyms: FerrDb V2

Resource Type: data or information resource, database

Defining Citation: PMID:36305834, PMID:32219413

Keywords: Manually curated database, ferroptosis regulators, ferroptosis-disease associations,

Funding: Guangzhou Municipal Key Discipline in Medicin ;
Guangzhou Municipal Psychiatric Disease Clinical Transformation Laboratory ;
National Natural Science Foundation of China

Availability: Free, Freely available

Resource Name: FerrDb

Resource ID: SCR_026852

Record Creation Time: 20250429T054934+0000

Record Last Update: 20260829T183451+0000

Ratings and Alerts

No rating or validation information has been found for FerrDb.

No alerts have been found for FerrDb.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 200 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Pasbola K, et al. (2026) Transcriptome profiling reveals the role of XIST/miR-335-5p regulatory axis as a crucial mediator of chemoresistance in esophageal cancer by influencing EMT and Ferroptosis. Functional & integrative genomics, 26(1).

Li Z, et al. (2026) Potential of SP1 as a prognostic marker and therapeutic target in acute myocardial infarction: a bioinformatics, Mendelian randomization and experimental validation study. Frontiers in immunology, 17, 1742618.

Jin C, et al. (2026) HELLS inhibits autophagy?dependent ferroptosis in nasopharyngeal carcinoma by modulating the Nrf2/HO?1/GPX4 pathway. International journal of molecular medicine, 57(5).

Ren J, et al. (2026) Nanomagnetic Hyperthermia Sensitizes Gemcitabine Chemosensitivity in Pancreatic Cancer by Inhibiting HSPB1 to Amplify ACSL4-Mediated Ferroptosis. Small (Weinheim an der Bergstrasse, Germany), 22(22), e14973.

Zayed M, et al. (2026) Ferroptosis-related mechanisms in prion diseases provide insights into neurodegeneration and reveal therapeutic implications. Redox biology, 93, 104155.

Li R, et al. (2026) Targeting the ODC1-YBX1 axis reverses gastric cancer chemoresistance via transcriptional control of SLC7A11-mediated ferroptosis. Cell death discovery, 12(1).

Yang Y, et al. (2026) HSD11B1 suppresses ferroptosis in endometrial stromal cells through the JUND/IL-10 axis to promote endometriosis progression. Reproductive biology and endocrinology : RB&E, 24(1).

Tian C, et al. (2026) SLC16A1 Activates the STAT3/SLC7A11 Pathway to Mediate Ferroptosis Resistance and Tumor Progression in Head and Neck Squamous Cell Carcinoma. Oncology research, 34(5), 34.

Yang Q, et al. (2026) NFYA regulates two sequential genome-wide transcriptional activation events during oocyte to embryo transition. bioRxiv : the preprint server for biology.

Li Y, et al. (2026) NCOA4-driven ferritinophagy and GSH reprogramming underlie maslinic acid-induced ferroptosis and autophagy in breast cancer. Translational cancer research, 15(5), 412.

Chen H, et al. (2026) A prognostic signature of ferroptosis and lipid metabolism related genes predicts survival and immunotherapy response in hepatocellular carcinoma. Discover oncology, 17(1), 294.

Liu W, et al. (2026) Core Ferroptosis-Related Biomarkers and miRNA Regulatory Networks in Alzheimer's Disease. Genes, 17(2).

Wang X, et al. (2026) Identification of potential hub genes related to ferroptosis and hypoxia in dilated cardiomyopathy: a bioinformatic analysis with preliminary experimental validation. Experimental biology and medicine (Maywood, N.J.), 251, 10709.

Liu J, et al. (2026) Development and validation of a ferroptosis-related gene signature for prognostic prediction and therapeutic target identification in invasive lobular carcinoma. Translational cancer research, 15(2), 105.

Zhao B, et al. (2026) Quercetin induces ferroptosis in ovarian cancer through regulating HSPB1/Notch1 pathway. Journal of ovarian research, 19(1).

Dong K, et al. (2026) Long non-coding RNA LINC00092 inhibits esophageal squamous cell carcinoma progression by promoting ferroptosis through the MAZ/NFE2L2 axis. Journal of thoracic disease, 18(1), 39.

Tang L, et al. (2026) PPARG as a central regulator of ferroptosis in Alzheimer's disease: integrated transcriptomic, single-cell, and experimental evidence. Frontiers in aging neuroscience, 18, 1759279.

Niu S, et al. (2026) NT5DC2 inhibits ferroptosis by stabilizing ACSL3 in bladder cancer. Cell death discovery, 12(1).

Ahmadizad Firouzjaei A, et al. (2026) Regulation of ferroptosis in colorectal cancer through therapeutic modulation and miRNA targeting. Biochemistry and biophysics reports, 45, 102444.

Hao Y, et al. (2026) Long noncoding RNA PCAT7 confers radioresistance of esophageal squamous cell carcinoma by promoting GCLM-mediated anti-ferroptosis. Journal of translational medicine, 24(1), 242.