

Resource Summary Report

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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 Psychiatric Disease Clinical Transformation Laboratory ; Guangzhou Municipal Key Discipline in Medicine ; 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: 20260804T043922+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 65 mentions in open access literature.

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

Wang Y, et al. (2026) Identification of Potential Ferroptosis Biomarkers in Multiple Myeloma via WGCNA and Experiments. *Cancer reports (Hoboken, N.J.)*, 9(1), e70446.

Yang G, et al. (2025) Exploration of the role and mechanism of Rhizoma Paridis total saponins in osteosarcoma based on SPI1/LCN2-mediated ferroptosis. *Frontiers in oncology*, 15, 1592862.

Liu C, et al. (2025) Identifying ferroptosis-related genes in lung adenocarcinoma using random walk with restart in the PPI network. *Scientific reports*, 15(1), 28832.

Zhou J, et al. (2025) Identification of key ferroptosis genes in hepatocellular carcinoma and type 2 diabetes mellitus through bioinformatics analysis. *Discover oncology*, 16(1), 916.

Sun Y, et al. (2025) IGF2BP3 enhances ferroptosis resistance in colon cancer by stabilizing SLC7A11 and is regulated by miR-98-5p. *Frontiers in oncology*, 15, 1576895.

Zeng C, et al. (2025) Multi-cohort validation of a lipid metabolism and ferroptosis-associated index for prognosis and immunotherapy response prediction in hormone receptor-positive breast cancer. *International journal of biological sciences*, 21(9), 3968.

Liu L, et al. (2025) EPAS1 amplifies asthma pathogenesis through JAK2/STAT3-mediated ferroptosis and inflammation. *Biomolecules & biomedicine*, 25(9), 2092.

Shi F, et al. (2025) Lead binds HIF-1?? contributing to depression-like behaviour through modulating mitochondria-associated astrocyte ferroptosis. *Communications biology*, 8(1), 1342.

Hu J, et al. (2025) G9a deficiency activates TMEM27 to promote ferroptosis and enhances radiosensitivity in head and neck squamous cell carcinoma. *Cell death discovery*, 11(1), 517.

Zheng Q, et al. (2025) Groundbreaking Insights Into SIRT1/NRF2-Mediated Ferroptosis Inhibition by Resveratrol in Parkinson's Disease Models. *CNS neuroscience & therapeutics*, 31(11), e70648.

Huang L, et al. (2025) Targeting ALOX5 ameliorates renal tubular injury in ischemia-reperfusion-induced acute kidney injury via inhibition of ferroptosis. *Communications biology*, 8(1), 1403.

Zhou Q, et al. (2025) Causal effects of ferroptosis-related traits on ovarian dysfunction: insights from integrating genome-wide Mendelian randomization, DNA methylation, gene expression, and proteome. *Journal of ovarian research*, 19(1), 2.

Yang X, et al. (2025) Prognosis stratification of patients with breast cancer based on disulfidptosis and ferroptosis. *Medicine*, 104(16), e42146.

Zhu Y, et al. (2025) Ferroptosis-disulfidptosis-related CHMP6 is a clinico-immune target in colorectal cancer. *Biology direct*, 20(1), 88.

Feng Z, et al. (2025) ALOX15-Mediated Neuron Ferroptosis Was Involved in Diabetic Peripheral Neuropathic Pain. *CNS neuroscience & therapeutics*, 31(5), e70440.

Guo MG, et al. (2025) Bioinformatics and experimental validation of ferroptosis-related genes in steroid-induced osteonecrosis of the femoral head. *Frontiers in molecular biosciences*, 12, 1578755.

Cui Y, et al. (2025) Identification of a PANoptosis-related long noncoding rna risk signature for prognosis and immunology in colon adenocarcinoma. *BMC cancer*, 25(1), 662.

Luo Y, et al. (2025) Impact of iron deficiency on therapeutic outcomes in colorectal cancer patients: a single-center cohort study. *Journal of translational medicine*, 23(1), 1051.

Sun H, et al. (2025) BRD-K20733377 inhibits ferroptosis and alleviates intervertebral disc degeneration via the STAT3/NFKB1 axis: a multiapproach study. *Stem cell research & therapy*, 16(1), 531.

Liu S, et al. (2025) Identification of Ferroptosis -Related Genes in MAFLD/MASH and HQHF Validation. *Hepatic medicine : evidence and research*, 17, 13.