

Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

Sherlock

RRID:SCR_001628

Type: Tool

Proper Citation

Sherlock (RRID:SCR_001628)

Resource Information

URL: <http://sherlock.ucsf.edu/>

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Description: Service to discover disease genes in GWAS using eQTL signature matching by simply submitting your list of GWAS associations (SNPs and p-values). It is important to upload all SNPs in your association study, not just the top hits. Sherlock may be able to group multiple lower-confidence SNPs to discover functionally-important genes.

Abbreviations: Sherlock

Resource Type: service resource, data or information resource

Defining Citation: [PMID:23643380](#)

Keywords: genome-wide association study, expression quantitative trait locus, disease gene, snp, gene expression, gene, disease, association, p-value, cis, trans, genetic variation, mapping, phenotype, FASEB list

Funding: NIGMS R01GM070808;
NIGMS U19GM61390;
NIGMS P50 GM081879

Availability: Free, Freely available

Resource Name: Sherlock

Resource ID: SCR_001628

Alternate IDs: nlx_153895

Record Creation Time: 20220129T080208+0000

Record Last Update: 20260725T190509+0000

Ratings and Alerts

No rating or validation information has been found for Sherlock.

No alerts have been found for Sherlock.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 86 mentions in open access literature.

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

Chen H, et al. (2025) Ultrasensitive detection of clinical pathogens through a target-amplification-free collateral-cleavage-enhancing CRISPR-Cas? tool. Nature communications, 16(1), 3929.

Baerwald MR, et al. (2025) Rapid CRISPR-Cas13a genetic identification enables new opportunities for listed Chinook salmon management. Molecular ecology resources, 25(5), e13777.

Yang Q, et al. (2025) Dynamics of mitochondrial DNA copy number regulation in relation to gastric cancer survival. Discover oncology, 16(1), 1090.

Wang Q, et al. (2025) Genetic and transcriptional insights reveal hepatitis C virus as a driver of kidney cancer. Infectious agents and cancer, 20(1), 63.

Du W, et al. (2025) Mendelian randomization and transcriptomic analysis reveal a positive cause-and-effect relationship between Alzheimer's disease and colorectal cancer. Translational oncology, 51, 102169.

Toth M, et al. (2025) Dual mechanism of the OXA-23 carbapenemase inhibition by the carbapenem NA-1-157. Antimicrobial agents and chemotherapy, 69(10), e0091825.

Lee MS, et al. (2025) Aestuariibius violaceus sp. nov., isolated from a marine limpet Cellana toreuma. International journal of systematic and evolutionary microbiology, 75(7).

Melloul E, et al. (2025) Temporal response of belowground and aboveground organisms to microclimate changes in irrigated mediterranean vineyards. Scientific reports, 15(1), 31561.

Stewart NK, et al. (2025) Evolution of carbapenemase activity in the class C β -lactamase ADC-1. mBio, 16(6), e0018525.

Eloiflin R, et al. (2025) A SHERLOCK toolbox for eco-epidemiological surveillance of African trypanosomes in domestic pigs from Western Africa. eLife, 14.

Zhai L, et al. (2024) Novel sterol binding domains in bacteria. eLife, 12.

Kretsch RC, et al. (2024) Tertiary folds of the SL5 RNA from the 5' proximal region of SARS-CoV-2 and related coronaviruses. *Proceedings of the National Academy of Sciences of the United States of America*, 121(10), e2320493121.

N'Djetchi MK, et al. (2024) Specificity of serological screening tests and reference laboratory tests to diagnose gambiense human African trypanosomiasis: a prospective clinical performance study. *Infectious diseases of poverty*, 13(1), 53.

Guermonprez P, et al. (2024) CRISPR-Cas Systems Associated with Electrolyte-Gated Graphene-Based Transistors: How They Work and How to Combine Them. *Biosensors*, 14(11).

Mikutis S, et al. (2024) Technologies for Targeted RNA Degradation and Induced RNA Decay. *Chemical reviews*, 124(23), 13301.

Owoh N, et al. (2024) An Adaptive Temporal Convolutional Network Autoencoder for Malicious Data Detection in Mobile Crowd Sensing. *Sensors (Basel, Switzerland)*, 24(7).

Kanchanasin P, et al. (2024) Discovery of two new actinobacteria, *Micromonospora palythoicola* sp. nov. and *Streptomyces poriticola* sp. nov., isolated from marine invertebrates. *Scientific reports*, 14(1), 22140.

Hadidi A, et al. (2024) Viroids and Satellites and Their Vector Interactions. *Viruses*, 16(10).

Foster ZSL, et al. (2024) Krisp: A Python package to aid in the design of CRISPR and amplification-based diagnostic assays from whole genome sequencing data. *PLoS computational biology*, 20(5), e1012139.

Meester RGS, et al. (2024) Impact of the serrated pathway on the simulated comparative effectiveness of colorectal cancer screening tests. *JNCI cancer spectrum*, 8(5).