

Resource Summary Report

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Sherlock

RRID:SCR_001628

Type: Tool

Proper Citation

Sherlock (RRID:SCR_001628)

Resource Information

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

Proper Citation: Sherlock (RRID:SCR_001628)

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: data or information resource, service 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: 20260801T190157+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 [RRID](#) .

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.

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).

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.

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).