Resource Summary Report

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SPOT - Biological prioritization after a SNP association study

RRID:SCR_005193
Type: Tool

Proper Citation

SPOT - Biological prioritization after a SNP association study (RRID:SCR_005193)

Resource Information

URL: http://spot.cgsmd.isi.edu

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Description: A web-based tool for using biological databases to prioritize single nucleotide polymorphisms (SNPs) after a genome-wide association study (GWAS). The site allows users to upload a list of SNPs and GWAS P-values and returns a prioritized list of SNPs using the GIN method. Users can specify candidate genes or genomic regions with custom levels of prioritization. The results can be downloaded or viewed in the browser where users can interactively explore the details of each SNP, including graphical representations of the genomic information network (GIN) method. For investigators interested in incorporating biological databases into a post-GWAS SNP selection strategy, the SPOT web tool is an easily implemented and flexible solution.

Abbreviations: SPOT

Resource Type: data analysis service, service resource, analysis service resource, production service resource

Defining Citation: PMID:20529875

Keywords: single nucleotide polymorphism, genome-wide association study, linkage disequilibrium, gene, genomic region, p-value, bio.tools, FASEB list

Funding:

Resource Name: SPOT - Biological prioritization after a SNP association study

Resource ID: SCR_005193

Alternate IDs: biotools:spot, OMICS_00189

Alternate URLs: https://bio.tools/spot

Record Creation Time: 20220129T080228+0000

Record Last Update: 20250514T061332+0000

Ratings and Alerts

No rating or validation information has been found for SPOT - Biological prioritization after a SNP association study.

No alerts have been found for SPOT - Biological prioritization after a SNP association study.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 508 mentions in open access literature.

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

Chen L, et al. (2025) Unremodeled GPI-anchored proteins at the plasma membrane trigger aberrant endocytosis. Life science alliance, 8(2).

McNamara KM, et al. (2025) Spermine oxidase promotes Helicobacter pylori-mediated gastric carcinogenesis through acrolein production. Oncogene, 44(5), 296.

Li R, et al. (2025) Application of the 2021 AAPOS Guidelines in Clinics with Revision and Validation of SPOT Referral Criteria. Clinical ophthalmology (Auckland, N.Z.), 19, 291.

Thomas S, et al. (2025) Characterizing safety, toxicity, and breast cancer risk reduction using a long-term fulvestrant eluting implant. Scientific reports, 15(1), 3028.

Indris C, et al. (2025) Supervised and Self-Supervised Learning for Assembly Line Action Recognition. Journal of imaging, 11(1).

Lai CY, et al. (2025) CtBP1 is essential for epigenetic silencing of ?-opioid receptor genes in the dorsal root ganglion in spinal nerve ligation-induced neuropathic pain. Neurotherapeutics

: the journal of the American Society for Experimental NeuroTherapeutics, 22(1), e00493.

Temesgen F, et al. (2024) Utilizing multi-criteria decision-making analysis and 3D visualization techniques for dam site selection and irrigation area identification in Gedeb River, Ethiopia. Heliyon, 10(15), e35604.

Mushtaq I, et al. (2024) MicroRNA-452-5p regulates fibrogenesis via targeting TGF-?/SMAD4 axis in SCN5A-knockdown human cardiac fibroblasts. iScience, 27(6), 110084.

Kroll A, et al. (2024) SPOT: A machine learning model that predicts specific substrates for transport proteins. PLoS biology, 22(9), e3002807.

Connors E, et al. (2024) Microbial community composition predicts bacterial production across ocean ecosystems. The ISME journal, 18(1).

Thieme A, et al. (2024) Intercomparison of Same-Day Remote Sensing Data for Measuring Winter Cover Crop Biophysical Traits. Sensors (Basel, Switzerland), 24(7).

Saji N, et al. (2024) Learning semantic categories of L2 verbs: The case of cutting and breaking verbs. PloS one, 19(1), e0296628.

Leung AOW, et al. (2024) Suppression of apoptosis impairs phalangeal joint formation in the pathogenesis of brachydactyly type A1. Nature communications, 15(1), 2229.

Hatch CJ, et al. (2024) SARS-CoV-2 infection of endothelial cells, dependent on flow-induced ACE2 expression, drives hypercytokinemia in a vascularized microphysiological system. Frontiers in cardiovascular medicine, 11, 1360364.

Antkowiak KR, et al. (2024) A nematode model to evaluate microdeletion phenotype expression. G3 (Bethesda, Md.), 14(2).

Halim A, et al. (2024) Inhibition of miR-10b treats metastatic breast cancer by targeting stem cell-like properties. Oncotarget, 15, 591.

Roberts APE, et al. (2024) Daxx mediated histone H3.3 deposition on HSV-1 DNA restricts genome decompaction and the progression of immediate-early transcription. bioRxiv : the preprint server for biology.

Talebloo N, et al. (2024) Imaging of Endometriotic Lesions Using cRGD-MN Probe in a Mouse Model of Endometriosis. Nanomaterials (Basel, Switzerland), 14(3).

Christanseen S, et al. (2024) Investigation into the supplementation of a ferric sillen core-linked polymer on the health and physiological performance of broiler chickens. Poultry science, 103(11), 104165.

Yu S, et al. (2024) Metformin suppresses NFE2L1 pathway activation to inhibit gap junction beta protein expression in NSCLC. Cancer medicine, 13(7), e7021.