Resource Summary Report

Generated by <u>dkNET</u> on May 17, 2025

<u>Spot</u>

RRID:SCR_018915 Type: Tool

Proper Citation

Spot (RRID:SCR_018915)

Resource Information

URL: https://github.com/big-data-lab-team/spot

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Description: Open source software tool for file based localization of numerical perturbations in data analysis pipelines. Identifies components in pipeline, at resolution level of system process, that produce different results in different execution conditions.

Synonyms: Spot: File-based localization of numerical perturbations in data analysis pipelines

Resource Type: software resource, software toolkit

Keywords: Numerical perturbation, reproducibility, numerical differences, operating systems, neuroimaging pipeline stability, bio.tools

Funding:

Availability: Free, Freely available, Available for download

Resource Name: Spot

Resource ID: SCR_018915

Alternate IDs: DOI:10.5281/zenodo.3873219, biotools:spottool

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

License: MIT

Record Creation Time: 20220129T080342+0000

Record Last Update: 20250513T062024+0000

Ratings and Alerts

No rating or validation information has been found for Spot.

No alerts have been found for Spot.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 117 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Brunner A, et al. (2025) Quantitative imaging of loop extruders rebuilding interphase genome architecture after mitosis. The Journal of cell biology, 224(3).

Azimzadeh PN, et al. (2025) Mechanisms of uropathogenic E. coli mucosal association in the gastrointestinal tract. Science advances, 11(5), eadp7066.

Adegboye C, et al. (2025) Necrotizing enterocolitis causes increased ileal goblet cell loss in Wnt2b KO mice. bioRxiv : the preprint server for biology.

Ammann J, et al. (2025) Data on Swiss public's acceptance and sustainability perceptions of food produced with chemical, digital and mechanical weed control measures and the influence of information source on technology perception in agriculture. Data in brief, 58, 111212.

Li L, et al. (2024) Trends in myopia development among Chinese children and adolescents in Xuzhou during one academic year. Frontiers in medicine, 11, 1391269.

Okuma H, et al. (2024) Structural basis of Irgb6 inactivation by Toxoplasma gondii through the phosphorylation of switch I. Genes to cells : devoted to molecular & cellular mechanisms, 29(1), 17.

Papp D, et al. (2024) Massive contractions of myotonic dystrophy type 2-associated CCTG tetranucleotide repeats occur via double-strand break repair with distinct requirements for DNA helicases. G3 (Bethesda, Md.), 14(2).

Radstake WE, et al. (2024) Radiation-induced DNA double-strand breaks in cortisol exposed

fibroblasts as quantified with the novel foci-integrated damage complexity score (FIDCS). Scientific reports, 14(1), 10400.

Augière C, et al. (2024) ARL13B controls male reproductive tract physiology through primary and Motile Cilia. Communications biology, 7(1), 1318.

Sigdel TK, et al. (2024) Proteome Analysis for Inflammation Related to Acute and Convalescent Infection. Inflammation, 47(1), 346.

Tourkova IL, et al. (2024) The ecto-nucleotide pyrophosphatase/phosphodiesterase 2 promotes early osteoblast differentiation and mineralization in stromal stem cells. American journal of physiology. Cell physiology, 326(3), C843.

Brunner A, et al. (2024) Quantitative imaging of loop extruders rebuilding interphase genome architecture after mitosis. bioRxiv : the preprint server for biology.

Vallet A, et al. (2024) Generating high-resolution land use and land cover maps for the greater Mariño watershed in 2019 with machine learning. Scientific data, 11(1), 915.

O'Connell AE, et al. (2024) WNT2B Deficiency Causes Enhanced Susceptibility to Colitis Due to Increased Inflammatory Cytokine Production. Cellular and molecular gastroenterology and hepatology, 18(2), 101349.

Sunkur R, et al. (2024) Mangrove mapping and monitoring using remote sensing techniques towards climate change resilience. Scientific reports, 14(1), 6949.

Namayandeh A, et al. (2024) ?New species and a fascinating diversity of Chironomidae (Diptera, Insecta) in and around an overlooked urban vernal pool. ZooKeys, 1208, 133.

Fernández-Calvet A, et al. (2024) Gut microbiota produces biofilm-associated amyloids with potential for neurodegeneration. Nature communications, 15(1), 4150.

Prajapat SK, et al. (2024) Methotrimeprazine is a neuroprotective antiviral in JEV infection via adaptive ER stress and autophagy. EMBO molecular medicine, 16(1), 185.

Ichikawa S, et al. (2024) Fluorescein staining of chloroplast starch granules in living plants. Plant physiology, 194(2), 662.

Dresselhaus EC, et al. (2024) ESCRT disruption provides evidence against transsynaptic signaling functions for extracellular vesicles. bioRxiv : the preprint server for biology.