Resource Summary Report

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SPLAT

RRID:SCR_009411
Type: Tool

Proper Citation

SPLAT (RRID:SCR_009411)

Resource Information

URL: http://www.joslinresearch.org/LabSites/Krolewski/splat/

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Description: Software application that can calculate virtually any linkage test statistic under several sib pair study designs: affected, discordant, unaffected, and pairs defined by threshold values for quantitative traits, such as extreme discordant sib pairs. It uses the EM algorithm to compute maximum likelihood estimates of sharing (subject to any user-specified domain restrictions or null hypotheses) and then plots lod scores versus chromosomal position. It includes a novel grid scanning capability that enables simultaneous visualization of multiple test statistics. Phenotype definitions can be modified without recalculating inheritance vectors, thereby providing considerable analytical flexibility. (entry from Genetic Analysis Software)

Abbreviations: SPLAT

Synonyms: Sib Pair Linkage Analysis Testing

Resource Type: software resource, software application

Keywords: gene, genetic, genomic, c++, qt, unix, sunos, linux, macos, ms-windows, (2000/xp)

Funding:

Resource Name: SPLAT

Resource ID: SCR_009411

Alternate IDs: nlx_154658

Record Creation Time: 20220129T080252+0000

Record Last Update: 20250411T055326+0000

Ratings and Alerts

No rating or validation information has been found for SPLAT.

No alerts have been found for SPLAT.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Ahsan MU, et al. (2024) A signal processing and deep learning framework for methylation detection using Oxford Nanopore sequencing. Nature communications, 15(1), 1448.

Fezza T, et al. (2024) Less is more: Fewer attract-and-kill sites improve the male annihilation technique against Bactrocera dorsalis (Diptera: Tephritidae). PloS one, 19(3), e0300866.

Faux-Nightingale A, et al. (2024) Coproducing Health Information Materials With Young People: Reflections and Lessons Learned. Health expectations : an international journal of public participation in health care and health policy, 27(3), e14115.

Currie J, et al. (2023) Simultaneous proteome localization and turnover analysis reveals spatiotemporal dynamics of unfolded protein responses. bioRxiv : the preprint server for biology.

Raine A, et al. (2022) scSPLAT, a scalable plate-based protocol for single cell WGBS library preparation. Scientific reports, 12(1), 5772.

Foox J, et al. (2021) The SEQC2 epigenomics quality control (EpiQC) study. Genome biology, 22(1), 332.

Flores MF, et al. (2021) Development of Monitoring and Mating Disruption against the Chilean Leafroller Proeulia auraria (Lepidoptera: Tortricidae) in Orchards. Insects, 12(7).

Biasazin TD, et al. (2021) Dispersal and competitive release affect the management of native

and invasive tephritid fruit flies in large and smallholder farms in Ethiopia. Scientific reports, 11(1), 2690.

Rivera MJ, et al. (2020) Evaluation of semiochemical based push-pull strategy for population suppression of ambrosia beetle vectors of laurel wilt disease in avocado. Scientific reports, 10(1), 2670.

George J, et al. (2020) A Multimodal Attract-and-Kill Device for the Asian Citrus Psyllid Diaphorina citri (Hemiptera: Liviidae). Insects, 11(12).

Martini X, et al. (2020) Progress Toward an Attract-and-Kill Device for Asian Citrus Psyllid (Hemiptera: Liviidae) Using Volatile Signatures of Citrus Infected With Huanglongbing as the Attractant. Journal of insect science (Online), 20(6).

George J, et al. (2020) UV reflective properties of magnesium oxide increase attraction and probing behavior of Asian citrus psyllids (Hemiptera: Liviidae). Scientific reports, 10(1), 1890.

Gaffke AM, et al. (2019) Field demonstration of a semiochemical treatment that enhances Diorhabda carinulata biological control of Tamarix spp. Scientific reports, 9(1), 13051.

Svensson GP, et al. (2018) Challenges of pheromone-based mating disruption of Cydia strobilella and Dioryctria abietella in spruce seed orchards. Journal of pest science, 91(2), 639.

Gaffke AM, et al. (2018) Semiochemicals to enhance herbivory by Diorhabda carinulata aggregations in saltcedar (Tamarix spp.) infestations. Pest management science, 74(6), 1494.

Steffan SA, et al. (2017) Multi-Species Mating Disruption in Cranberries (Ericales: Ericaceae): Early Evidence Using a Flowable Emulsion. Journal of insect science (Online), 17(2).

Schorkopf DL, et al. (2016) Combining Attractants and Larvicides in Biodegradable Matrices for Sustainable Mosquito Vector Control. PLoS neglected tropical diseases, 10(10), e0005043.

Patt JM, et al. (2014) Innate and Conditioned Responses to Chemosensory and Visual Cues in Asian Citrus Psyllid, Diaphorina citri (Hemiptera: Liviidae), Vector of Huanglongbing Pathogens. Insects, 5(4), 921.