Resource Summary Report

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SMOOTH

RRID:SCR_009398
Type: Tool

Proper Citation

SMOOTH (RRID:SCR_009398)

Resource Information

URL: https://www.wur.nl/en/show/SMOOTH.htm

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Description: Software tool that recognises and removes the most unrealistic data pointsfor the construction of accurate linkage maps, which is not so much depending on the quality of the mapping software, but mostly on the marker data quality. Missing values and scoring errors can severely influence the calculated marker order. This software was used to construct the 10,000 marker potato map. The removal of improbable data point is a good medicine for linkage maps, that is not easily overdosed. One error is more harmfull than ten missing values. The software was never intended as user-friendly software. In these days it would be more useful to re-do the programming of the pascal source code into a perl script. Anyone who takes the initiative to generate such a script is welcomed to contact the authors. SMOOTH works best in close cooperation with mapping algorithm RECORD (entry from Genetic Analysis Software)

Resource Type: software application, software resource

Keywords: gene, genetic, genomic, pascal, ms-dos

Funding:

Resource Name: SMOOTH

Resource ID: SCR_009398

Alternate IDs: nlx_154636

Old URLs: http://www.plantbreeding.wur.nl/UK/software_smooth.html

Record Creation Time: 20220129T080252+0000

Record Last Update: 20250412T055421+0000

Ratings and Alerts

No rating or validation information has been found for SMOOTH.

No alerts have been found for SMOOTH.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 49 mentions in open access literature.

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

Ramos Cáceres E, et al. (2024) Environment-sensitive turn-on fluorescent probe enables live cell imaging of myeloperoxidase activity during NETosis. Communications chemistry, 7(1), 262.

Pranoto IKA, et al. (2024) Protocol to analyze Drosophila intestinal tumor cellular heterogeneity using immunofluorescence imaging and nuclear size quantification. STAR protocols, 5(2), 102946.

Dutta A, et al. (2024) Closely Packed Stretchable Ultrasound Array Fabricated with Surface Charge Engineering for Contactless Gesture and Materials Detection. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(15), e2303403.

Pajor NM, et al. (2024) Home ventilator alarm function in simulated decannulation with pediatric-sized tracheostomy tubes. Pediatric pulmonology, 59(12), 3770.

Bi Y, et al. (2024) Identification of candidate gene associated with maize northern leaf blight resistance in a multi-parent population. Plant cell reports, 43(7), 189.

Li J, et al. (2024) Origami Morphing Surfaces with Arrayed Quasi-Rigid-Foldable Polyhedrons. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(36), e2402128.

Miao J, et al. (2024) Reconfigurability-Encoded Hierarchical Rectifiers for Versatile 3D Liquid Manipulation. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(39), e2405641.

Kim KR, et al. (2024) All-in-One, Wireless, Multi-Sensor Integrated Athlete Health Monitor for Real-Time Continuous Detection of Dehydration and Physiological Stress. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(33), e2403238.

Tattersfield P, et al. (2024) Laetoli, Tanzania: Extant terrestrial mollusc faunas shed new light on climate and palaeoecology at a Pliocene hominin site. PloS one, 19(5), e0302435.

Zhang Z, et al. (2024) Autonomous navigation and collision prediction of port channel based on computer vision and lidar. Scientific reports, 14(1), 11300.

Wen T, et al. (2024) A SLAF-based high-density genetic map construction and genetic architecture of thermotolerant traits in maize (Zea mays L.). Frontiers in plant science, 15, 1338086.

Ding S, et al. (2024) Single Channel Based Interference-Free and Self-Powered Human-Machine Interactive Interface Using Eigenfrequency-Dominant Mechanism. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(13), e2302782.

Hobbis D, et al. (2024) Comprehensive clinical implementation, workflow, and FMEA of bespoke silicone bolus cast from 3D printed molds using open-source resources. Journal of applied clinical medical physics, 25(11), e14498.

Nifker G, et al. (2023) Dam Assisted Fluorescent Tagging of Chromatin Accessibility (DAFCA) for Optical Genome Mapping in Nanochannel Arrays. ACS nano, 17(10), 9178.

Gruber T, et al. (2023) High-calorie diets uncouple hypothalamic oxytocin neurons from a gut-to-brain satiation pathway via ?-opioid signaling. Cell reports, 42(10), 113305.

Xu Y, et al. (2023) A Soft Reconfigurable Circulator Enabled by Magnetic Liquid Metal Droplet for Multifunctional Control of Soft Robots. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 10(23), e2300935.

Brown A, et al. (2023) Women's Brain Health: Midlife Ovarian Removal Affects Associative Memory. Molecular neurobiology, 60(11), 6145.

Chen YY, et al. (2023) SMOOTH protocol: A pilot randomised prospective intra-patient single-blinded observational study for examining the mechanistic basis of ablative fractional carbon dioxide laser therapy in treating hypertrophic scarring. PloS one, 18(9), e0285230.

Adjerid K, et al. (2023) The effect of stiffness and hole size on nipple compression in infant suckling. Journal of experimental zoology. Part A, Ecological and integrative physiology, 339(1), 92.

Duhr P, et al. (2023) Kirigami Makes a Soft Magnetic Sheet Crawl. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 10(25), e2301895.