Resource Summary Report

Generated by NIF on May 15, 2025

Rainbow

RRID:SCR_002724

Type: Tool

Proper Citation

Rainbow (RRID:SCR_002724)

Resource Information

URL: http://sourceforge.net/projects/bio-rainbow/

Proper Citation: Rainbow (RRID:SCR_002724)

Description: Software developed to provide an ultra-fast and memory-efficient solution to clustering and assembling short reads produced by RAD-seq.

Synonyms: RAD-seq: Restriction-site Associated DNA sequencing, Bio-rainbow, RAD-seq

Resource Type: software application, data analysis software, data processing software, sequence analysis software, software resource

Defining Citation: PMID:22942077, DOI:10.1093/bioinformatics/bts482

Keywords: software, tool, clustering, assembling, short, read, restriction, site, DNA, sequence, analysis, bio.tools

Funding:

Availability: Free, Freely available, Available for download

Resource Name: Rainbow

Resource ID: SCR_002724

Alternate IDs: SCR_015992, OMICS_03722, biotools:rainbow

Alternate URLs: https://bio.tools/rainbow, https://sources.debian.org/src/bio-rainbow/

License: GNU General Public License version 2.0 (GPLv2)

Record Creation Time: 20220129T080215+0000

Record Last Update: 20250514T061232+0000

Ratings and Alerts

No rating or validation information has been found for Rainbow.

No alerts have been found for Rainbow.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 37 mentions in open access literature.

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

Wang AT, et al. (2024) Preferred Treatment Patterns of Retinopathy of Prematurity: An International Survey. Pediatric reports, 16(3), 816.

Marlow N, et al. (2024) Ranibizumab versus laser therapy for the treatment of very low birthweight infants with retinopathy of prematurity (RAINBOW): five-year outcomes of a randomised trial. EClinicalMedicine, 71, 102567.

Jang JH, et al. (2024) Characteristics of retinal vascularization in reactivated retinopathy of prematurity requiring treatment and clinical outcome after reinjection of ranibizumab. Scientific reports, 14(1), 15647.

Koo DH, et al. (2024) Varlitinib and Paclitaxel for EGFR/HER2 Co-expressing Advanced Gastric Cancer: A Multicenter Phase Ib/II Study (K-MASTER-13). Cancer research and treatment, 56(4), 1136.

Negoro Y, et al. (2024) Dexamethasone is non-inferior to antihistamine plus dexamethasone premedication in preventing ramucirumab plus nab-paclitaxel infusion-related reactions in gastric cancer: a multicenter retrospective study. Supportive care in cancer: official journal of the Multinational Association of Supportive Care in Cancer, 32(10), 704.

Park SH, et al. (2023) Long-term visual outcomes in children with regressed retinopathy of prematurity. Scientific reports, 13(1), 4066.

Franzoni J, et al. (2023) Weak Genetic Isolation and Putative Phenotypic Selection in the Wild Carnation Dianthus virgineus (Caryophyllaceae). Biology, 12(10).

van Wassenaer EA, et al. (2023) Assessing Disease Activity in Pediatric Crohn's Disease Using Ultrasound: The Pediatric Crohn Disease Intestinal Ultrasound Score. Journal of pediatric gastroenterology and nutrition, 76(5), 582.

Guo Y, et al. (2023) A multicenter noninferior randomized controlled study of sentinel lymph node biopsy alone versus sentinel lymph node biopsy plus lymphadenectomy for patients with stage I endometrial cancer, INSEC trial concept. BMC cancer, 23(1), 1184.

Avila Vazquez MF, et al. (2023) An expandable voice user interface as lab assistant based on an improved version of Google's speech recognition. Scientific reports, 13(1), 19451.

Cohen SY, et al. (2023) Final 4-year results of the RAINBOW real-world study: intravitreal aflibercept dosing regimens in France in treatment-naïve patients with neovascular agerelated macular degeneration. Graefe's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie, 261(4), 959.

Goldstein-Piekarski AN, et al. (2021) Early changes in neural circuit function engaged by negative emotion and modified by behavioural intervention are associated with depression and problem-solving outcomes: A report from the ENGAGE randomized controlled trial. EBioMedicine, 67, 103387.

Kim ST, et al. (2021) Comprehensive molecular characterization of gastric cancer patients from phase II second-line ramucirumab plus paclitaxel therapy trial. Genome medicine, 13(1), 11.

Lewis MA, et al. (2021) Using RE-AIM to examine the potential public health impact of an integrated collaborative care intervention for weight and depression management in primary care: Results from the RAINBOW trial. PloS one, 16(3), e0248339.

Mansoor W, et al. (2021) Early Weight Loss as a Prognostic Factor in Patients with Advanced Gastric Cancer: Analyses from REGARD, RAINBOW, and RAINFALL Phase III Studies. The oncologist, 26(9), e1538.

Aguirre-Ramirez E, et al. (2021) Genomic Traces of the Fruit Fly Anastrepha obliqua Associated with Its Polyphagous Nature. Insects, 12(12).

Soliman M, et al. (2021) Differential Epigenetic Marks Are Associated with Apospory Expressivity in Diploid Hybrids of Paspalum rufum. Plants (Basel, Switzerland), 10(4).

Hamazaki K, et al. (2020) RAINBOW: Haplotype-based genome-wide association study using a novel SNP-set method. PLoS computational biology, 16(2), e1007663.

Weber M, et al. (2020) Impact of intravitreal aflibercept dosing regimens in treatment-naïve patients with neovascular age-related macular degeneration in routine clinical practice in France: results from the RAINBOW study. BMJ open ophthalmology, 5(1), e000377.

Aagaard KS, et al. (2020) Chromosomal translocation disrupting the SMAD4 gene resulting in the combined phenotype of Juvenile polyposis syndrome and Hereditary Hemorrhagic Telangiectasia. Molecular genetics & genomic medicine, 8(11), e1498.