

Resource Summary Report

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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: sequence analysis software, data analysis software, software application, data processing 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: 20250417T065117+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).

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.

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 age-related macular degeneration. *Graefes archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie*, 261(4), 959.

van Wassenauer 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.

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.

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.

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.

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.

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.