

# Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 18, 2026

## Rainbow

RRID:SCR\_002724

Type: Tool

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### Proper Citation

Rainbow (RRID:SCR\_002724)

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### 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:** data analysis software, data processing software, sequence analysis software, software application, 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

**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:** 20260912T195545+0000

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### Ratings and Alerts

No rating or validation information has been found for Rainbow.

No alerts have been found for Rainbow.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 41 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [SPARC SAWG](#) .

Lobo R, et al. (2025) One-year cumulative live birth rate associated with the number of oocytes in ovarian stimulation with follitropin delta: a pooled analysis of four randomized controlled trials. Human reproduction (Oxford, England), 40(8), 1526.

Cui L, et al. (2025) annATAC: automatic cell type annotation for scATAC-seq data based on language model. BMC biology, 23(1), 145.

Santamaria M, et al. (2025) Longitudinal voice monitoring in a decentralized Bring Your Own Device trial for respiratory illness detection. NPJ digital medicine, 8(1), 202.

Ahmedhussain HK, et al. (2025) Validation of DIGIROP- Birth and DIGIROP- Screen for the discovery of retinopathy of prematurity requiring treatment in preterm births in Saudi Arabia. Saudi medical journal, 46(4), 345.

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 virginicus* (Caryophyllaceae). *Biology*, 12(10).
- 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's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv für klinische und experimentelle Ophthalmologie*, 261(4), 959.
- van Wassenhaer 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.
- 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.
- 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.
- 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.
- 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.
- Aguirre-Ramirez E, et al. (2021) Genomic Traces of the Fruit Fly *Anastrepha obliqua* Associated with Its Polyphagous Nature. *Insects*, 12(12).