Resource Summary Report

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bcbio-nextgen

RRID:SCR_004316
Type: Tool

Proper Citation

bcbio-nextgen (RRID:SCR_004316)

Resource Information

URL: https://bcbio-nextgen.readthedocs.org/en/latest/

Proper Citation: bcbio-nextgen (RRID:SCR_004316)

Description: A python toolkit providing best-practice pipelines for fully automated high throughput sequencing analysis.

Abbreviations: bcbio-nextgen

Resource Type: software resource

Keywords: mapreduce/hadoop, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: bcbio-nextgen

Resource ID: SCR_004316

Alternate IDs: biotools:bcbio-nextgen, OMICS_01121, BioTools:bcbio-nextgen

Alternate URLs: https://github.com/chapmanb/bcbb/blob/master/nextgen/README.md, https://bio.tools/bcbio-nextgen, https://bio.tools/bcbio-nextgen

Record Creation Time: 20220129T080223+0000

Record Last Update: 20260725T190548+0000

Ratings and Alerts

No rating or validation information has been found for bcbio-nextgen.

No alerts have been found for bcbio-nextgen.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 155 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Cabug AF, et al. (2025) High expression of interleukin-18 receptor alpha correlates with severe respiratory viral disease and defines T cells with reduced cytotoxic signatures. Nature communications, 16(1), 10344.

Zungsontiporn N, et al. (2025) The correlation of HLA-A in Thai EGFR-mutated advanced non-small cell lung cancer, outcome, and tumor microenvironment. Scientific reports, 15(1), 30989.

Ansari M, et al. (2025) Whole Genome Sequencing of "Mutation-Negative" Individuals With Cornelia de Lange Syndrome. Human mutation, 2025, 4711663.

Siu LL, et al. (2025) AZD8701, an Antisense Oligonucleotide Targeting FOXP3 mRNA, as Monotherapy and in Combination with Durvalumab: A Phase I Trial in Patients with Advanced Solid Tumors. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(8), 1449.

Verdu Schlie A, et al. (2025) CDK4 loss-of-function mutations cause microcephaly and short stature. Genes & development, 39(9-10), 634.

Herbst RS, et al. (2025) Molecular residual disease analysis of adjuvant osimertinib in resected EGFR-mutated stage IB-IIIA non-small-cell lung cancer. Nature medicine, 31(6), 1958.

Li W, et al. (2025) Screening the human druggable genome identifies ABHD17B as an anti-fibrotic target in hepatic stellate cells. Nature communications, 16(1), 2109.

Zhang Z, et al. (2025) Ddx21 mutant peptide is an effective neoantigen in prophylactic lung cancer vaccines and activates long-term anti-tumor immunity. Frontiers in immunology, 16, 1500417.

Chia S, et al. (2025) CAN-Scan: A multi-omic phenotype-driven precision oncology platform identifies prognostic biomarkers of therapy response for colorectal cancer. Cell reports. Medicine, 6(4), 102053.

Kafkas ?, et al. (2025) The application of Large Language Models to the phenotype-based prioritization of causative genes in rare disease patients. Scientific reports, 15(1), 15093.

Seo WJ, et al. (2025) Molecular signals associated with intraperitoneal chemotherapy resistance in gastric cancer with peritoneal metastasis through PIPS GC trial integrated translational research. Scientific reports, 15(1), 35682.

Kitaba NT, et al. (2025) Immune transcriptomic differences in paediatric patients with SARS-CoV-2 compared to other lower respiratory tract infections. bioRxiv : the preprint server for biology.

Huyghe N, et al. (2025) Impact of the tumor immune contexture in microsatellite-stable metastatic colorectal cancer treated with avelumab, cetuximab, and irinotecan. Cell reports. Medicine, 6(7), 102201.

Ye H, et al. (2025) The implications of abnormal signal patterns of break-apart FISH probes used in the diagnosis of bone and soft tissue tumours. Pathology oncology research : POR, 31, 1612142.

Tesi B, et al. (2025) Validation of Guidelines for Genetic Investigation of Myeloid Neoplasms with Germline Predisposition: Results from a Prospective Cohort Study. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(14), 3062.

Mollica A, et al. (2025) Mutations in the ?-tubulin TUBB impair ciliogenesis and are associated with ciliopathy-like phenotypes. Nature communications, 16(1), 10637.

Lee TR, et al. (2025) Integrating Plasma Cell-Free DNA Fragment End Motif and Size with Genomic Features Enables Lung Cancer Detection. Cancer research, 85(9), 1696.

Salgkamis D, et al. (2024) Systematic review and feasibility study on pre-analytical factors and genomic analyses on archival formalin-fixed paraffin-embedded breast cancer tissue. Scientific reports, 14(1), 18275.

Ryu JY, et al. (2024) MiRNA expression profiling reveals a potential role of microRNA-148b-3p in cerebral vasospasm in subarachnoid hemorrhage. Scientific reports, 14(1), 22539.

Sahm A, et al. (2024) Hydra has mammal-like mutation rates facilitating fast adaptation despite its nonaging phenotype. Genome research, 34(12), 2217.