**BEDTools**

RRID:SCR_006646  
Type: Tool  

**Proper Citation**

BEDTools (RRID:SCR_006646)

**Resource Information**

**URL:** https://github.com/arq5x/bedtools2

**Description:** A powerful toolset for genome arithmetic allowing one to address common genomics tasks such as finding feature overlaps and computing coverage. Bedtools allows one to intersect, merge, count, complement, and shuffle genomic intervals from multiple files in widely-used genomic file formats such as BAM, BED, GFF/GTF, VCF. While each individual tool is designed to do a relatively simple task (e.g., intersect two interval files), quite sophisticated analyses can be conducted by combining multiple bedtools operations on the UNIX command line.

**Resource Name:** BEDTools

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**Resource Type:** Resource, software resource

**Keywords:** genomics, bed, sam, bam, overlap, sequencing, intersect, coverage, gff, vcf, bedgraph, interval, genome arithmetic

**Resource ID:** SCR_006646

**Related resources:** Hydra

**References:** PMID: 20110278

**Availability:** GNU General Public License, v2, Acknowledgement requested

**Website Status:** Last checked up
**Alternate IDs:** OMICS_01159

**Alternate URLs:** https://code.google.com/p/bedtools/

**Abbreviations:** BEDTools

**Mentions Count:** 2212

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**Ratings and Alerts**

No rating or validation information has been found for BEDTools.

No alerts have been found for BEDTools.

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**Data and Source Information**

**Source:** SciCrunch Registry

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**Usage and Citation Metrics**

We found 2464 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch Infrastructure](https://code.google.com/p/bedtools/).


Kentepozidou E, et al. (2020) Clustered CTCF binding is an evolutionary mechanism to maintain topologically associating domains. Genome biology, 21(1), 5.


Adrian-Kalchhauser I, et al. (2020) The round goby genome provides insights into mechanisms that may facilitate biological invasions. BMC biology, 18(1), 11.


Yao RA, et al. (2020) Quality of whole genome sequencing from blood versus saliva derived DNA in cardiac patients. BMC medical genomics, 13(1), 11.
