BWA
RRID:SCR_010910
Type: Tool

Proper Citation

BWA (RRID:SCR_010910)

Resource Information

URL: http://bio-bwa.sourceforge.net/

Proper Citation: BWA (RRID:SCR_010910)

Description: Software for aligning sequencing reads against large reference genome. Consists of three algorithms: BWA-backtrack, BWA-SW and BWA-MEM. First for sequence reads up to 100bp, and other two for longer sequences ranged from 70bp to 1Mbp.

Abbreviations: BWA

Synonyms: Burrows-Wheeler Aligner (BWA), Burrows-Wheeler Aligner

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

Defining Citation: PMID:19451168, PMID:20080505, DOI:10.1093/bioinformatics/btp324

Keywords: sequence, alignment, reference, genome, human, short, long, read, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: BWA

Resource ID: SCR_010910

Alternate IDs: SCR_015853, biotools:bwa-sw, OMICS_00654

Ratings and Alerts

No rating or validation information has been found for BWA.

No alerts have been found for BWA.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1910 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.


Ren Y, et al. (2024) The Genetic Selection of HSPD1 and HSPE1 Reduce Inflammation of Liver and Spleen While Restraining the Growth and Development of Skeletal Muscle in Wuzhishan Pigs. Animals : an open access journal from MDPI, 14(1).

Stavusis J, et al. (2024) Altered Splicing of LAMP2 in a Multigenerational Family from Latvia Affected by Danon Disease. Medicina (Kaunas, Lithuania), 60(1).


Huang HY, et al. (2024) Metagenomic shotgun sequencing reveals the enrichment of
Salmonella and Mycobacterium in larynx due to prolonged ethanol exposure. Computational and structural biotechnology journal, 23, 396.

Wong D, et al. (2024) Early Cancer Detection in Li-Fraumeni Syndrome with Cell-Free DNA. Cancer discovery, 14(1), 104.


Li W, et al. (2024) PBRM1 presents a potential ctDNA marker to monitor response to neoadjuvant chemotherapy in cervical cancer. iScience, 27(3), 109160.


