Scalable Nucleotide Alignment Program

RRID:SCR_005501
Type: Tool

Proper Citation

Scalable Nucleotide Alignment Program (RRID:SCR_005501)

Resource Information

**URL:** [http://snap.cs.berkeley.edu/](http://snap.cs.berkeley.edu/)

**Proper Citation:** Scalable Nucleotide Alignment Program (RRID:SCR_005501)

**Description:** A sequence aligner software program that is 10-100x faster and simultaneously more accurate than existing tools like BWA, Bowtie2 and SOAP2. It runs on commodity x86 processors, and supports a rich error model that lets it cheaply match reads with more differences from the reference than other tools. This gives SNAP up to 2x lower error rates than existing tools and lets it match larger mutations that they may miss. SNAP also natively reads BAM, FASTQ, or gzipped FASTQ, and natively writes SAM or BAM, with built-in sorting, duplicate marking, and BAM indexing.

**Resource Type:** Resource, software resource

**Keywords:** windows, linux, os x

**Parent Organization:** University of California; Berkeley; USA

**Availability:** Apache License, 2, Acknowledgement requested

**Website Status:** Last checked up

**Abbreviations:** SNAP

**Resource Name:** Scalable Nucleotide Alignment Program

**Resource ID:** SCR_005501

**Alternate IDs:** OMICS_00687
Ratings and Alerts

No rating or validation information has been found for Scalable Nucleotide Alignment Program.

No alerts have been found for Scalable Nucleotide Alignment Program.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 77 mentions in open access literature.

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


Louha S, et al. (2020) A High-Quality Genome Assembly of the North American Song Sparrow,. G3 (Bethesda, Md.).


Lantican DV, et al. (2019) Genome Sequence Assembly of Dwarf Coconut (L. 'Catigan Green Dwarf') Provides Insights into Genomic Variation Between Coconut Types and Related Palm Species. G3 (Bethesda, Md.), 9(8), 2377-2393.


