Resource Summary Report

Generated by NIF on Apr 27, 2025

GPU-BLAST

RRID:SCR_011820
Type: Tool

Proper Citation

GPU-BLAST (RRID:SCR_011820)

Resource Information

URL: http://archimedes.cheme.cmu.edu/?q=gpublast

Proper Citation: GPU-BLAST (RRID:SCR_011820)

Description: Software for an accelerated version of the popular NCBI-BLAST using a general-purpose graphics processing unit (GPU). It s nearly four times faster, while producing identical results. GPU-BLAST supports: protein alignment according to blastp (it does not support psiblast), multiple CPU threads working in parallel with a single GPU, and input files with multiple protein queries.

Abbreviations: GPU-BLAST

Resource Type: software resource

Defining Citation: PMID:21088027

Keywords: c++, gpu/cuda

Funding:

Availability: Free, Public, Acknowledgement requested

Resource Name: GPU-BLAST

Resource ID: SCR_011820

Alternate IDs: OMICS_00995

Old URLs: http://eudoxus.cheme.cmu.edu/gpublast/gpublast.html

Record Creation Time: 20220129T080306+0000

Record Last Update: 20250420T014600+0000

Ratings and Alerts

No rating or validation information has been found for GPU-BLAST.

No alerts have been found for GPU-BLAST.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.