

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

G-BLASTN

RRID:SCR_005062

Type: Tool

Proper Citation

G-BLASTN (RRID:SCR_005062)

Resource Information

URL: <http://www.comp.hkbu.edu.hk/~chxw/software/G-BLASTN.html>

Proper Citation: G-BLASTN (RRID:SCR_005062)

Description: A GPU-accelerated nucleotide alignment tool based on the widely used NCBI-BLAST. It can produce exactly the same results as NCBI-BLAST, and it also has very similar user commands. It also supports a pipeline mode, which can fully utilize the GPU and CPU resources when handling a batch of medium to large sized queries.

Abbreviations: G-BLASTN

Resource Type: software resource

Defining Citation: [PMID:24463183](#)

Keywords: parallel computation 4, blast, alignment, nucleotide, gpu, bio.tools

Funding: Hong Kong Baptist University; Hong Kong; China FRG2/11-12/158; NVIDIA

Availability: Free

Resource Name: G-BLASTN

Resource ID: SCR_005062

Alternate IDs: OMICS_02263, biotools:g-blastn

Alternate URLs: <http://sourceforge.net/projects/gblastn/>, <https://bio.tools/g-blastn>

Record Creation Time: 20220129T080228+0000

Record Last Update: 20260815T182306+0000

Ratings and Alerts

No rating or validation information has been found for G-BLASTN.

No alerts have been found for G-BLASTN.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.