

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

SHARCGS

RRID:SCR_002026

Type: Tool

Proper Citation

SHARCGS (RRID:SCR_002026)

Resource Information

URL: <http://sharcgs.molgen.mpg.de/>

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Description: Software package for a DNA assembly program designed for de novo assembly of 25-40mer input fragments and deep sequence coverage.

Synonyms: SHort read Assembler based on Robust Contig extension for Genome Sequencing (SHARCGS), SHARCGS - SHort read Assembler based on Robust Contig extension for Genome Sequencing, SHort read Assembler based on Robust Contig extension for Genome Sequencing

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

Defining Citation: [PMID:17908823](#)

Keywords: dna, assembly, de novo, rna, sequencing, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: SHARCGS

Resource ID: SCR_002026

Alternate IDs: OMICS_00029, biotools:sharcgs

Alternate URLs: <https://bio.tools/sharcgs>

License: GNU GENERAL PUBLIC LICENSE

License URLs: <http://sharcgs.molgen.mpg.de/docs/license.txt>

Record Creation Time: 20220129T080211+0000

Ratings and Alerts

No rating or validation information has been found for SHARCGS.

No alerts have been found for SHARCGS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Yao W, et al. (2020) Features of sRNA biogenesis in rice revealed by genetic dissection of sRNA expression level. Computational and structural biotechnology journal, 18, 3207.

Kong J, et al. (2019) GAAP: A Genome Assembly + Annotation Pipeline. BioMed research international, 2019, 4767354.

El-Metwally S, et al. (2013) Next-generation sequence assembly: four stages of data processing and computational challenges. PLoS computational biology, 9(12), e1003345.

Gui J, et al. (2011) Recent advances in molecular technologies and their application in pathogen detection in foods with particular reference to yersinia. Journal of pathogens, 2011, 310135.