

Resource Summary Report

Generated by [RRID](#) on Aug 14, 2026

Genotype Sparse Compression

RRID:SCR_025071

Type: Tool

Proper Citation

Genotype Sparse Compression (RRID:SCR_025071)

Resource Information

URL: <https://github.com/luo-xiaolong/GSC>

Proper Citation: Genotype Sparse Compression (RRID:SCR_025071)

Description: Software tool for lossless compression of VCF files, designed to efficiently store and manage VCF files in compressed format. It accepts VCF/BCF files as input and utilizes advanced compression techniques to significantly reduce storage requirements while ensuring fast query capabilities.

Abbreviations: GSC

Synonyms: Genotype Sparse Compression (GSC)

Resource Type: software resource, software application

Keywords: lossless compression of VCF files, store and manage VCF files, compressed format,

Resource Name: Genotype Sparse Compression

Resource ID: SCR_025071

License: MIT license

Record Creation Time: 20240305T200905+0000

Record Last Update: 20260813T055323+0000

Ratings and Alerts

No rating or validation information has been found for Genotype Sparse Compression.

No alerts have been found for Genotype Sparse Compression.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Luo X, et al. (2024) GSC: efficient lossless compression of VCF files with fast query. GigaScience, 13.