

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

GASV

RRID:SCR_000061

Type: Tool

Proper Citation

GASV (RRID:SCR_000061)

Resource Information

URL: <http://code.google.com/p/gasv/>

Proper Citation: GASV (RRID:SCR_000061)

Description: Software tool for identifying structural variants (SVs) from paired-end sequencing data. GASV distribution includes three components that are typically run in succession: the BAM file of unique paired-read mappings is processed; structural variants are identified by clustering discordant fragments; and a probabilistic algorithm improves the specificity of GASV predictions.

Abbreviations: GASV

Synonyms: Geometric Analysis of Structural Variants

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

Defining Citation: [PMID:19477992](#)

Keywords: paired-end sequencing data, structural variant, probabilistic algorithm, discordant fragment, bio.tools

Funding: Burroughs Wellcome Fund ;
Department of Defense Breast Cancer Research ;
ADVANCE Program at Brown University ;
NSF 0548311

Availability: Free, Available for download, Freely available

Resource Name: GASV

Resource ID: SCR_000061

Alternate IDs: biotools:gasv, OMICS_01352

Alternate URLs: <http://compbio.cs.brown.edu/projects/gasv/>, <https://bio.tools/gasv>

License URLs: <https://code.google.com/projecthosting/terms.html>

Record Creation Time: 20220129T080159+0000

Record Last Update: 20260731T042554+0000

Ratings and Alerts

No rating or validation information has been found for GASV.

No alerts have been found for GASV.

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 [kravitz2](#) .

Magris G, et al. (2019) Genetic, epigenetic and genomic effects on variation of gene expression among grape varieties. The Plant journal : for cell and molecular biology, 99(5), 895.

Thangam M, et al. (2015) CRCDA--Comprehensive resources for cancer NGS data analysis. Database : the journal of biological databases and curation, 2015.

Zhuang J, et al. (2014) TEMP: a computational method for analyzing transposable element polymorphism in populations. Nucleic acids research, 42(11), 6826.

Zhao M, et al. (2013) Computational tools for copy number variation (CNV) detection using next-generation sequencing data: features and perspectives. BMC bioinformatics, 14 Suppl 11(Suppl 11), S1.