

Resource Summary Report

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Gigwa

RRID:SCR_017080

Type: Tool

Proper Citation

Gigwa (RRID:SCR_017080)

Resource Information

URL: <http://southgreen.fr/content/gigwa>

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Description: Web tool to explore genotyping metadata by filtering it on basis of variant features, including functional annotations and matching genotype patterns. May be deployed on workstation or as data portal. Allows to feed MongoDB database with VCF, PLINK or HapMap files and provides interface to filter data in real time. Used to export filtered data into formats and features connectivity with online genomic tools and with standalone software such as FlapJack or IGV. Gigwa hosted datasets are interoperable via two standard REST APIs such GA4GH and BrAPI.

Synonyms: GIGWA, GIGWA2, Genotype Investigator for Genome Wide Analysis

Resource Type: application programming interface, data processing software, material analysis service, data management software, service resource, data access protocol, data analysis software, data distribution software, software resource, web service, biomaterial analysis service, software application, production service resource, analysis service resource

Defining Citation: [PMID:27267926](#)

Keywords: metadata, genotyping, filter, variant, functional, annotation, pattern, bio.tools

Funding: UMR DIADE and Agropolis Foundation

Availability: Free, Freely available

Resource Name: Gigwa

Resource ID: SCR_017080

Alternate IDs: biotools:Gigwa

Alternate URLs: <https://github.com/SouthGreenPlatform/Gigwa2>, <https://bio.tools/Gigwa>

License: GNU Affero General Public License

Record Creation Time: 20220129T080333+0000

Record Last Update: 20260731T043015+0000

Ratings and Alerts

No rating or validation information has been found for Gigwa.

No alerts have been found for Gigwa.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Yarnes SC, et al. (2025) DeltaBreed: A BrAPI-centric breeding data information system. PloS one, 20(12), e0324104.

Sempéré G, et al. (2019) Gigwa v2-Extended and improved genotype investigator. GigaScience, 8(5).