

Resource Summary Report

Generated by [ASWG](#) on Aug 3, 2026

SIFT 4G

RRID:SCR_021850

Type: Tool

Proper Citation

SIFT 4G (RRID:SCR_021850)

Resource Information

URL: <https://sift.bii.a-star.edu.sg/sift4g/AboutSIFT4G.html>

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Description: Software tool to predict whether amino acid substitution affects protein function. Faster version of SIFT that enables to scale up and provide SIFT predictions for more organisms.

Synonyms: Sorting Intolerant From Tolerant For Genomes, SIFT4G

Resource Type: production service resource, data analysis service, service resource, analysis service resource

Keywords: sequence homology, amino acids physical properties, amino acid substitution, protein function

Availability: Free, Available for download, Freely available

Resource Name: SIFT 4G

Resource ID: SCR_021850

Alternate URLs: <https://github.com/rvaser/sift4g>

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260803T040818+0000

Ratings and Alerts

No rating or validation information has been found for SIFT 4G.

No alerts have been found for SIFT 4G.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Salson M, et al. (2025) Interplay between large low-recombining regions and pseudo-overdominance in a plant genome. Nature communications, 16(1), 6458.

Shen Y, et al. (2024) Genomic insights into endangerment and conservation of the garlic-fruit tree (*Malania oleifera*), a plant species with extremely small populations. GigaScience, 13.

Sia BZ, et al. (2022) Prediction of the effects of the top 10 nonsynonymous variants from 30229 SARS-CoV-2 strains on their proteins. F1000Research, 11, 9.