# **Resource Summary Report**

Generated by <u>NIF</u> on May 16, 2025

## vsn

RRID:SCR\_001459 Type: Tool

**Proper Citation** 

vsn (RRID:SCR\_001459)

#### **Resource Information**

URL: http://www.bioconductor.org/packages/release/bioc/html/vsn.html

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**Description:** Software package that implements a method for normalizing microarray intensities, both between colours within array, and between arrays. The method uses a robust variant of the maximum-likelihood estimator for the stochastic model of microarray data described in the references. The model incorporates data calibration (a.k.a. normalization), a model for the dependence of the variance on the mean intensity, and a variance stabilizing data transformation. Differences between transformed intensities are analogous to normalized log-ratios. However, in contrast to the latter, their variance is independent of the mean, and they are usually more sensitive and specific in detecting differential transcription.

Abbreviations: vsn

Synonyms: vsn - Variance stabilization and calibration for microarray data

Resource Type: software resource

Keywords: microarray, preprocessing, bio.tools

Funding:

Availability: Artistic License, v2

Resource Name: vsn

Resource ID: SCR\_001459

Alternate IDs: OMICS\_01977, biotools:vsn

Alternate URLs: https://bio.tools/vsn

Record Creation Time: 20220129T080207+0000

Record Last Update: 20250420T014029+0000

#### **Ratings and Alerts**

No rating or validation information has been found for vsn.

No alerts have been found for vsn.

### Data and Source Information

Source: <u>SciCrunch Registry</u>

## **Usage and Citation Metrics**

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Johansson E, et al. (2024) HIV-2 mediated effects on target and bystander cells induce plasma proteome remodeling. iScience, 27(4), 109344.

de Goede OM, et al. (2021) Population-scale tissue transcriptomics maps long non-coding RNAs to complex disease. Cell, 184(10), 2633.

Busch JD, et al. (2019) MitoRibo-Tag Mice Provide a Tool for In Vivo Studies of Mitoribosome Composition. Cell reports, 29(6), 1728.