Resource Summary Report

Generated by NIF on Sep 14, 2026

Power Atlas

RRID:SCR_007207
Type: Tool

Proper Citation

Power Atlas (RRID:SCR_007207)

Resource Information

URL: http://www.poweratlas.org/

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Description: The Power Atlas is a web-based resource to assist investigators in the planning and design of microarray and expression based experiments. This software is currently aimed at estimating the power and sample size for a two group comparison based upon pilot data. The methods underlying the web site are reported in Gadbury et al (2004) and the software is described in further detail at Page et al (2006). There are two ways to use the Power Atlas: 1. We have downloaded the datasets currently in the Gene Expression Omnibus (GEO) and processed each of them with our power analysis software. Investigators may search among the datasets for the experiment that most closely resembles their proposed project and get sample size and power estimates. 2. Investigators may upload their own preliminary data and the program will extrapolate power from this dataset.

Synonyms: Power Atlas

Resource Type: data or information resource, database, software application, software resource

Resource Name: Power Atlas

Resource ID: SCR_007207

Alternate IDs: nif-0000-00782

Record Creation Time: 20220129T080240+0000

Record Last Update: 20260912T195651+0000

Ratings and Alerts

No rating or validation information has been found for Power Atlas.

No alerts have been found for Power Atlas.

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 NIF .

Fu WJ, et al. (2010) Statistics and bioinformatics in nutritional sciences: analysis of complex data in the era of systems biology. The Journal of nutritional biochemistry, 21(7), 561.

Page GP, et al. (2008) Bioinformatic tools for inferring functional information from plant microarray data: tools for the first steps. International journal of plant genomics, 2008, 147563.

Page GP, et al. (2006) The PowerAtlas: a power and sample size atlas for microarray experimental design and research. BMC bioinformatics, 7, 84.