

Resource Summary Report

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[genes2mind](#)

RRID:SCR_008872

Type: Tool

Proper Citation

genes2mind (RRID:SCR_008872)

Resource Information

URL: <http://genes2mind.org>

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Description: genes2mind is a tool for rapid exploratory analysis of psychotropic drug-induced gene expression in the brain. We present here an open resource containing comparison of effects of various classes of psychotropic drugs on transcriptional alterations of ~20,000 genes in the mouse brain (C57BL/6J). Data stored in the database include raw gene expression values as well as results of drug comparison. * Genomic Signature Identification section allows for the identification of drug-specific genomic signatures. * Genomic Signature Analysis section allows for further inspection and visualization of the signatures using multidimensional data analysis (PCA), co-expression analysis and heatmaps. * Single Gene Inspection allows for brief review of expression of specific candidate genes using barplots.

Abbreviations: genes2mind

Resource Type: data or information resource, database, data analysis service, production service resource, service resource, analysis service resource

Keywords: psychotropic drug, gene expression, gene, brain, drug, c57bl/6j, genomic

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Resource Name: genes2mind

Resource ID: SCR_008872

Alternate IDs: nlx_149344

Record Creation Time: 20220129T080249+0000

Record Last Update: 20260806T054505+0000

Ratings and Alerts

No rating or validation information has been found for genes2mind.

No alerts have been found for genes2mind.

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](#) .

Zygmunt M, et al. (2018) Expression of alternatively spliced variants of the Dclk1 gene is regulated by psychotropic drugs. BMC neuroscience, 19(1), 55.

Korostynski M, et al. (2013) Novel drug-regulated transcriptional networks in brain reveal pharmacological properties of psychotropic drugs. BMC genomics, 14, 606.

Ning Z, et al. (2010) Out of the sequencer and into the wiki as we face new challenges in genome informatics. Genome biology, 11(10), 308.