

Resource Summary Report

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eXpression2Kinases

RRID:SCR_016307

Type: Tool

Proper Citation

eXpression2Kinases (RRID:SCR_016307)

Resource Information

URL: <http://amp.pharm.mssm.edu/X2K/>

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Description: Software tool to produce inferred networks of transcription factors, proteins, and kinases predicted to regulate the expression of the inputted gene list by combining transcription factor enrichment analysis, protein-protein interaction network expansion, with kinase enrichment analysis. It provides the results as tables and interactive vector graphic figures.

Abbreviations: X2K

Synonyms: eXpression2Kinases, X2K

Resource Type: software application, software resource

Defining Citation: [PMID:22080467](#)

Keywords: inferred, network, transcription, factor, protein, kinase, regulate, expression, gene, analysis, combine, bio.tools

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NIDDK P01 DK056492;
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NIDDK RC4DK090860;
NIGMS P50 GM071558;
NLM RC2 LM010994

Availability: Open source, Free, Freely available, Available for download

Resource Name: eXpression2Kinases

Resource ID: SCR_016307

Alternate IDs: biotools:x2k

Alternate URLs: <https://bio.tools/x2k>, <http://www.maayanlab.net/X2K/>

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260912T200253+0000

Ratings and Alerts

No rating or validation information has been found for eXpression2Kinases.

No alerts have been found for eXpression2Kinases.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Alqahtani SM, et al. (2024) System biology approach to identify the novel biomarkers in glioblastoma multiforme tumors by using computational analysis. *Frontiers in pharmacology*, 15, 1364138.

Lopes LO, et al. (2024) The Impact of miR-155-5p on Myotube Differentiation: Elucidating Molecular Targets in Skeletal Muscle Disorders. *International journal of molecular sciences*, 25(3).

Venkatraman S, et al. (2024) Identification of Transcriptional Regulators of Immune Evasion Across Cancers: An Alternative Immunotherapeutic Strategy for Cholangiocarcinoma. *Cancers*, 16(24).

de Castro JNP, et al. (2024) Comparative transcriptomic analysis of circulating endothelial cells in sickle cell stroke. *Annals of hematology*, 103(4), 1167.

Rex DAB, et al. (2022) Temporal Quantitative Phosphoproteomics Profiling of Interleukin-33 Signaling Network Reveals Unique Modulators of Monocyte Activation. *Cells*, 11(1).

Toraih EA, et al. (2021) Hidden in plain sight: The effects of BCG vaccination in the COVID-19 pandemic. *Journal of medical virology*, 93(4), 1950.