

Resource Summary Report

Generated by [ASWG](#) on Aug 23, 2026

LASAGNA-Search

RRID:SCR_010883

Type: Tool

Proper Citation

LASAGNA-Search (RRID:SCR_010883)

Resource Information

URL: http://biogrid-head.engr.uconn.edu/lasagna_search/

Proper Citation: LASAGNA-Search (RRID:SCR_010883)

Description: An integrated web tool for transcription factor binding site search and visualization. Both the Python Scripts for Offline Scanning and the Python implementation of the LASAGNA algorithm are available., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: LASAGNA-Search

Synonyms: LASAGNA-Search 2.0: Searching for transcription factor binding sites (TFBSs), LASAGNA-Search: Searching for transcription factor binding sites, Length-Aware Site Alignment Guided by Nucleotide Association Search

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

Defining Citation: [PMID:23599922](#)

Keywords: transcription factor binding site

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: LASAGNA-Search

Resource ID: SCR_010883

Alternate IDs: OMICS_00485

Record Creation Time: 20220129T080301+0000

Record Last Update: 20260821T193907+0000

Ratings and Alerts

No rating or validation information has been found for LASAGNA-Search.

No alerts have been found for LASAGNA-Search.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 39 mentions in open access literature.

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

Yamada Y, et al. (2025) Nrf2-and p53-inducible REDD2/DDIT4L/Rtp801L confers pancreatic β -cell dysfunction, leading to glucose intolerance in high-fat diet-fed mice. The Journal of biological chemistry, 301(6), 110271.

Goto T, et al. (2024) Latrophilin-3 as a downstream effector of the androgen receptor induces bladder cancer progression. Discover oncology, 15(1), 440.

Tatenuma T, et al. (2024) GULP1 as a Downstream Effector of the Estrogen Receptor-? Modulates Cisplatin Sensitivity in Bladder Cancer. Cancer genomics & proteomics, 21(6), 557.

Canu V, et al. (2024) Targeting of mutant-p53 and MYC as a novel strategy to inhibit oncogenic SPAG5 activity in triple negative breast cancer. Cell death & disease, 15(8), 603.

Gao LT, et al. (2023) Hypermethylation of the Bmp4 promoter dampens binding of HIF-1? and impairs its cardiac protective effects from oxidative stress in prenatally GC-exposed offspring. Cellular and molecular life sciences : CMLS, 80(3), 58.

Nappi A, et al. (2023) Loss of p53 activates thyroid hormone via type 2 deiodinase and enhances DNA damage. Nature communications, 14(1), 1244.

Luo G, et al. (2023) A core NRF2 gene set defined through comprehensive transcriptomic analysis predicts selective drug resistance and poor multi-cancer prognosis. bioRxiv : the preprint server for biology.

Liu X, et al. (2022) No Genus-Specific Gene Is Essential for the Replication of Fowl Adenovirus 4 in Chicken LMH Cells. Microbiology spectrum, 10(3), e0047022.

Vicioso Y, et al. (2021) NF- κ B c-Rel Is Dispensable for the Development but Is Required for the Cytotoxic Function of NK Cells. Frontiers in immunology, 12, 652786.

Armfield BA, et al. (2021) Single cell transcriptomic analysis of external genitalia reveals complex and sexually dimorphic cell populations in the early genital tubercle. Developmental biology, 477, 145.

Milanesi M, et al. (2021) Genetic Regulation of Biomarkers as Stress Proxies in Dairy Cows. *Genes*, 12(4).

Chen X, et al. (2021) Aurka loss in CD19+ B cells promotes megakaryocytopoiesis via IL-6/STAT3 signaling-mediated thrombopoietin production. *Theranostics*, 11(10), 4655.

Liang HC, et al. (2021) Super-enhancer-based identification of a BATF3/IL-2R-module reveals vulnerabilities in anaplastic large cell lymphoma. *Nature communications*, 12(1), 5577.

Teramoto Y, et al. (2021) Androgen Receptor Signaling Induces Cisplatin Resistance via Down-Regulating GULP1 Expression in Bladder Cancer. *International journal of molecular sciences*, 22(18).

Li S, et al. (2021) Targeting miR-21 with NL101 blocks c-Myc/Mxd1 loop and inhibits the growth of B cell lymphoma. *Theranostics*, 11(7), 3439.

Canu V, et al. (2021) Aberrant transcriptional and post-transcriptional regulation of SPAG5, a YAP-TAZ-TEAD downstream effector, fuels breast cancer cell proliferation. *Cell death and differentiation*, 28(5), 1493.

Varela D, et al. (2021) Transcriptional regulation of human T-box 5 gene (TBX5) by bone- and cardiac-related transcription factors. *Gene*, 768, 145322.

Ayyildiz D, et al. (2020) Architecture of The Human Ape1 Interactome Defines Novel Cancers Signatures. *Scientific reports*, 10(1), 28.

Zhu G, et al. (2019) The Formaldehyde Dehydrogenase SsFdh1 Is Regulated by and Functionally Cooperates with the GATA Transcription Factor SsNsd1 in *Sclerotinia sclerotiorum*. *mSystems*, 4(5).

Jacobsen MJ, et al. (2019) Epigenetic and Transcriptomic Characterization of Pure Adipocyte Fractions From Obese Pigs Identifies Candidate Pathways Controlling Metabolism. *Frontiers in genetics*, 10, 1268.