

Resource Summary Report

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CLASTR

RRID:SCR_024863

Type: Tool

Proper Citation

CLASTR (RRID:SCR_024863)

Resource Information

URL: <https://www.cellosaurus.org/str-search/>

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Description: Web tool to search for similarity between cell line Short Tandem Repeat markers and those stored in Cellosaurus knowledge resource. Cellosaurus STR similarity search tool for cell line authentication.

Synonyms: Cellosaurus Short Tandem Repeat search tool

Resource Type: data access protocol, software resource, web service

Defining Citation: [PMID:31444973](#)

Keywords: Cellosaurus knowledge, Cellosaurus STR similarity search, STR profiling, Short Tandem Repeat markers, cell line authentication, similarity between cell line STR markers,

Availability: Free, Available for download, Freely available

Resource Name: CLASTR

Resource ID: SCR_024863

Alternate URLs: <https://github.com/calipho-sib/cellosaurus-STR-similarity-search-tool>

License: GNU GPL v3.0

Record Creation Time: 20240112T050239+0000

Record Last Update: 20260905T133443+0000

Ratings and Alerts

No rating or validation information has been found for CLASTR.

No alerts have been found for CLASTR.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Kranjec C, et al. (2026) Common gene mutations in 103 authenticated colorectal cancer cell lines. *Oncogenesis*, 15(1), 8.

Saville JR, et al. (2026) Exploring the Role of Environmental Factors on Chromosomal Translocations Associated With Childhood Leukaemia. *Cancer medicine*, 15(3), e71713.

Fujimori M, et al. (2026) Identification of ovarian cancer-associated antigens forming complexes with autoantibodies. *Journal of ovarian research*, 19(1).

Cheng S, et al. (2026) HDAC Inhibition Induces Transient Phenotypic Inertia in Dormant OCCC Spheroids by Derepression of Cell Cycle Genes. *Cells*, 15(8).

Farkas T, et al. (2025) B cell lines fail to support efficient rhesus enteric calicivirus and human norovirus replication. *Journal of virology*, 99(5), e0014325.

Woo SR, et al. (2025) Blocking YAP1-Liprin-?2 interaction impedes metastasis and promotes tumor suppression in head and neck squamous carcinoma. *Scientific reports*, 15(1), 26968.

Hoshino H, et al. (2025) Establishment of a human ovarian endometrioid carcinoma cell line by constitutive expression of cyclin-dependent kinase 4, cyclin D1 and telomerase reverse transcriptase. *Human cell*, 38(2), 47.

Kolendowski B, et al. (2025) Transcriptomic Analyses of Ovarian Clear Cell Carcinoma Spheroids Reveal Distinct Proliferative Phenotypes and Therapeutic Vulnerabilities. *Cells*, 14(11).

Halu A, et al. (2025) Integrating pharmacogenomics and cheminformatics with diverse disease phenotypes for cell type-guided drug discovery. *Genome medicine*, 17(1), 7.

Khan KA, et al. (2025) Modulation of fibronectin extracellular matrix enhances anti-tumor efficacy of immune checkpoint blockade. *Cell reports. Medicine*, 6(9), 102322.

Shin HY, et al. (2025) Exploring the characteristics of immortalized human ovarian surface epithelial cell lines. *Heliyon*, 11(4), e42539.

Andrews JM, et al. (2024) STRprofiler: efficient comparisons of short tandem repeat profiles for biomedical model authentication. *Bioinformatics* (Oxford, England), 40(12).

Noh JK, et al. (2024) Targeting ferroptosis for improved radiotherapy outcomes in HPV-negative head and neck squamous cell carcinoma. *Molecular oncology*.

Murphy CS, et al. (2024) Inhibition of Acyl-CoA Synthetase Long Chain Isozymes Decreases Multiple Myeloma Cell Proliferation and Causes Mitochondrial Dysfunction. *bioRxiv : the preprint server for biology*.

Hoshino H, et al. (2024) Establishment of a human ovarian clear cell carcinoma cell line mutant in PIK3CB but not PIK3CA. *Human cell*, 37(4), 1184.

Nishioka Y, et al. (2024) Establishment of a novel small bowel adenocarcinoma cell line using patient-derived xenografts, which produces CEA and CA19-9. *Oncology letters*, 28(2), 360.

González B, et al. (2021) Somatic Hypomethylation of Pericentromeric SST1 Repeats and Tetraploidization in Human Colorectal Cancer Cells. *Cancers*, 13(21).

Yusefi M, et al. (2020) The Potential Anticancer Activity of 5-Fluorouracil Loaded in Cellulose Fibers Isolated from Rice Straw. *International journal of nanomedicine*, 15, 5417.

Kolendowski B, et al. (2020) Characterization of Mutational Status, Spheroid Formation, and Drug Response of a New Genomically-Stable Human Ovarian Clear Cell Carcinoma Cell Line, 105C. *Cells*, 9(11).