

Resource Summary Report

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Nu-OSCAR

RRID:SCR_004513

Type: Tool

Proper Citation

Nu-OSCAR (RRID:SCR_004513)

Resource Information

URL: http://bioinfo.au.tsinghua.edu.cn/nu_oscar/oscar.html

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Description: Software tool to identify binding sites of known transcription factors on promoter regions. The algorithm is based on one-class support vector machine (One-class SVM). OSCAR uses the sequential composition of known binding sites, and further incorporates the locational preferences of binding events. Nu-OSCAR (Nucleosome-Occupancy Study for Cis-elements Accurate Recognition) is a program that can be used to identify binding sites of known transcription factors, which further incorporates nucleosome occupancy around sites on promoter regions, thereby improving the accuracy of prediction. The derivation of the the algorithm is based on a biophysical view of interactions between protein factors and nucleosome DNA.

Abbreviations: OSCAR

Synonyms: One-class SVM for Cis-elements Accurate Recognition, Nucleosome-Occupancy Study for Cis-elements Accurate Recognition

Resource Type: analysis service resource, service resource, data analysis service, production service resource

Funding:

Resource Name: Nu-OSCAR

Resource ID: SCR_004513

Alternate IDs: OMICS_00507, nlx_49691, SCR_010892

Record Creation Time: 20220129T080225+0000

Record Last Update: 20250422T055152+0000

Ratings and Alerts

No rating or validation information has been found for Nu-OSCAR.

No alerts have been found for Nu-OSCAR.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Park MY, et al. (2017) FAM19A5, a brain-specific chemokine, inhibits RANKL-induced osteoclast formation through formyl peptide receptor 2. Scientific reports, 7(1), 15575.

Sorgaard KW, et al. (2010) Qualified and Unqualified (N-R C) mental health nursing staff--minor differences in sources of stress and burnout. A European multi-centre study. BMC health services research, 10, 163.

Zhang NJ, et al. (2008) Facility service environments, staffing, and psychosocial care in nursing homes. Health care financing review, 30(2), 5.

McKelvey W, et al. (2007) A biomonitoring study of lead, cadmium, and mercury in the blood of New York city adults. Environmental health perspectives, 115(10), 1435.