

Resource Summary Report

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[iNPS](#)

RRID:SCR_015750

Type: Tool

Proper Citation

iNPS (RRID:SCR_015750)

Resource Information

URL: <http://www.picb.ac.cn/hanlab/iNPS.html>

Proper Citation: iNPS (RRID:SCR_015750)

Description: Software for nucleosome detection that builds on the NPS software. Its application to T-cell activation data demonstrates a greater ability to facilitate detection of nucleosome repositioning, uncovering additional biological features underlying the activation process., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: iNPS: An improved algorithm for accurate nucleosome positioning from sequencing data

Resource Type: algorithm resource, software resource

Defining Citation: [PMID:25233085](#)

Keywords: nucleosome, detection, nps, sequencing data, nucleosome positioning

Funding: National Natural Science Foundation of China 31210103916;
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Chinese Academy of Sciences KSCX2-EW-R-02;
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Chinese Academy of Sciences YZ201243;
Stem Cell Leading Project XDA01010303;
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Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: iNPS

Resource ID: SCR_015750

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260803T040711+0000

Ratings and Alerts

No rating or validation information has been found for iNPS.

No alerts have been found for iNPS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Sciattella P, et al. (2025) Cost of illness of Heart Valve Diseases (HVDs): A real-world analysis in Italy. *Global & regional health technology assessment*, 12, 34.

Chen X, et al. (2024) Characterization of the SWI/SNF complex and nucleosome organization in sorghum. *Frontiers in plant science*, 15, 1430467.

Brenner EP, et al. (2023) Attenuated but immunostimulatory *Mycobacterium tuberculosis* variant bovis strain Ravenel shows variation in T cell epitopes. *Scientific reports*, 13(1), 12402.

Li K, et al. (2022) Inter-nucleosomal potentials from nucleosomal positioning data. *The European physical journal. E, Soft matter*, 45(4), 33.

Trabucco Aurilio M, et al. (2022) Applications for social security benefits related to diabetes in the working age in Italy between 2009 and 2019: a nationwide retrospective cohort study. *BMJ open*, 12(5), e057825.

Pancotti C, et al. (2022) Predicting protein stability changes upon single-point mutation: a thorough comparison of the available tools on a new dataset. *Briefings in bioinformatics*, 23(2).

Han F, et al. (2021) Current Approaches and Molecular Mechanisms for Directly Reprogramming Fibroblasts Into Neurons and Dopamine Neurons. *Frontiers in aging neuroscience*, 13, 738529.

Cheon Y, et al. (2021) The chromatin remodeler Ino80 mediates RNAPII pausing site determination. *Genome biology*, 22(1), 294.

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- Giraudo M, et al. (2019) Differences in work injury risk between immigrants and natives: changes since the economic recession in Italy. *BMC public health*, 19(1), 836.
- Lallo C, et al. (2018) Life expectancy inequalities in the elderly by socioeconomic status: evidence from Italy. *Population health metrics*, 16(1), 7.
- Chen W, et al. (2018) Inter-nucleosomal communication between histone modifications for nucleosome phasing. *PLoS computational biology*, 14(9), e1006416.
- Schumacher DI, et al. (2018) The transcription factor PRO44 and the histone chaperone ASF1 regulate distinct aspects of multicellular development in the filamentous fungus *Sordaria macrospora*. *BMC genetics*, 19(1), 112.
- Connor B, et al. (2018) Conversion of adult human fibroblasts into neural precursor cells using chemically modified mRNA. *Heliyon*, 4(11), e00918.
- Zhang B, et al. (2018) Targeted delivery of doxorubicin by CSA-binding nanoparticles for choriocarcinoma treatment. *Drug delivery*, 25(1), 461.
- Martelli PL, et al. (2016) Large scale analysis of protein stability in OMIM disease related human protein variants. *BMC genomics*, 17 Suppl 2(Suppl 2), 397.