

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

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: Chinese Academy of Sciences KSCX2-EW-J-15;
Chinese Academy of Sciences KSCX2-EW-R-02;
Chinese Academy of Sciences YZ201243;
Chinese Ministry of Science and Technology 2011CB504206;
Fundamental Research Funds for the Central Universities 2014JBZ005;
National Natural Science Foundation of China 31210103916;
National Natural Science Foundation of China 91019019;
Shanghai Academic Leader Project 11XD1405700;
Stem Cell Leading Project XDA01010303

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: iNPS

Resource ID: SCR_015750

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260905T133300+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 [Kravitz](#).

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.

- Chen R, et al. (2021) Homeodomain protein Six4 prevents the generation of supernumerary *Drosophila* type II neuroblasts and premature differentiation of intermediate neural progenitors. *PLoS genetics*, 17(2), e1009371.
- Cuccione E, et al. (2020) Multicolor spectral photon counting CT monitors and quantifies therapeutic cells and their encapsulating scaffold in a model of brain damage. *Nanotheranostics*, 4(3), 129.
- Li H, et al. (2020) Comparing the effects of different types of inorganic nanoparticles on 17 β -estradiol adsorption by graphene oxide. *Environmental research*, 187, 109656.
- Airoldi C, et al. (2020) Estimation of Occupational Exposure to Asbestos in Italy by the Linkage of Mesothelioma Registry (ReNaM) and National Insurance Archives. Methodology and Results. *International journal of environmental research and public health*, 17(3).
- Cadenas O, et al. (2019) Preprocessing 2D data for fast convex hull computations. *PloS one*, 14(2), e0212189.
- Giraud 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.
- 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.
- Chen W, et al. (2018) Inter-nucleosomal communication between histone modifications for nucleosome phasing. *PLoS computational biology*, 14(9), e1006416.
- 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.