

Resource Summary Report

Generated by T1D on Jul 31, 2026

NPS

RRID:SCR_010890

Type: Tool

Proper Citation

NPS (RRID:SCR_010890)

Resource Information

URL: <http://liulab.dfci.harvard.edu/NPS/>

Proper Citation: NPS (RRID:SCR_010890)

Description: A python software package that can identify nucleosome positions given histone-modification ChIP-seq or nucleosome sequencing at the nucleosome level.

Abbreviations: NPS

Synonyms: Nucleosome Positioning from Sequencing, NPS (Nucleosome Positioning from Sequencing)

Resource Type: software resource

Defining Citation: [PMID:19014516](#)

Keywords: bio.tools

Resource Name: NPS

Resource ID: SCR_010890

Alternate IDs: OMICS_00505, biotools:nps

Alternate URLs: <https://bio.tools/nps>

Record Creation Time: 20220129T080301+0000

Record Last Update: 20260725T190708+0000

Ratings and Alerts

No rating or validation information has been found for NPS.

No alerts have been found for NPS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 121 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Morito D, et al. (2014) Moyamoya disease-associated protein mysterin/RNF213 is a novel AAA+ ATPase, which dynamically changes its oligomeric state. *Scientific reports*, 4, 4442.

Kim YB, et al. (2014) Transcripts of anthocyanidin reductase and leucoanthocyanidin reductase and measurement of catechin and epicatechin in tartary buckwheat. *TheScientificWorldJournal*, 2014, 726567.

Sahebi M, et al. (2014) Isolation and expression analysis of novel silicon absorption gene from roots of mangrove (*Rhizophora apiculata*) via suppression subtractive hybridization. *BioMed research international*, 2014, 971985.

Dey P, et al. (2014) Functional characterization of two structurally novel diacylglycerol acyltransferase2 isozymes responsible for the enhanced production of stearate-rich storage lipid in *Candida tropicalis* SY005. *PloS one*, 9(4), e94472.

Wan L, et al. (2014) Molecular cloning, structural analysis and tissue expression of protein phosphatase 3 catalytic subunit alpha isoform (PPP3CA) gene in Tianfu goat muscle. *International journal of molecular sciences*, 15(2), 2346.

Yagi M, et al. (2014) Protective epitopes of the *Plasmodium falciparum* SERA5 malaria vaccine reside in intrinsically unstructured N-terminal repetitive sequences. *PloS one*, 9(6), e98460.

Zhang Y, et al. (2014) Transcription factor Nrf1 is topologically repartitioned across membranes to enable target gene transactivation through its acidic glucose-responsive domains. *PloS one*, 9(4), e93458.

Gu HF, et al. (2014) Adaptive evolution of the circadian gene timeout in insects. *Scientific reports*, 4, 4212.

Kim YB, et al. (2014) Cloning and characterization of a flavonol synthase gene from *Scutellaria baicalensis*. *TheScientificWorldJournal*, 2014, 980740.

Liu Y, et al. (2014) Tc1-like transposable elements in plant genomes. *Mobile DNA*, 5, 17.

Jacquier N, et al. (2014) Cell wall precursors are required to organize the chlamydial division septum. *Nature communications*, 5, 3578.

Puranik S, et al. (2013) Comprehensive genome-wide survey, genomic constitution and expression profiling of the NAC transcription factor family in foxtail millet (*Setaria italica* L.). PloS one, 8(5), e64594.

Ksenofontov AL, et al. (2013) Partially disordered structure in intravirus coat protein of potyvirus potato virus A. PloS one, 8(7), e67830.

Favoino E, et al. (2013) Autoantibodies recognizing the amino terminal 1-17 segment of CENP-A display unique specificities in systemic sclerosis. PloS one, 8(4), e61453.

Bradshaw E, et al. (2013) Proteomic survey of the *Streptomyces coelicolor* nucleoid. Journal of proteomics, 83, 37.

Gouba N, et al. (2013) Plant and fungal diversity in gut microbiota as revealed by molecular and culture investigations. PloS one, 8(3), e59474.

Peng Z, et al. (2013) Overexpression of peanut diacylglycerol acyltransferase 2 in *Escherichia coli*. PloS one, 8(4), e61363.

Wang X, et al. (2013) TaAbc1, a member of Abc1-like family involved in hypersensitive response against the stripe rust fungal pathogen in wheat. PloS one, 8(3), e58969.

Chen Z, et al. (2013) Mn tolerance in rice is mediated by MTP8.1, a member of the cation diffusion facilitator family. Journal of experimental botany, 64(14), 4375.

Li Y, et al. (2013) Bioinformatic prediction of epitopes in the Emy162 antigen of *Echinococcus multilocularis*. Experimental and therapeutic medicine, 6(2), 335.