

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 18, 2026

[pNovo+](#)

RRID:SCR_002860

Type: Tool

Proper Citation

pNovo+ (RRID:SCR_002860)

Resource Information

URL: <http://pfind.ict.ac.cn/software/pNovo/index.html>

Proper Citation: pNovo+ (RRID:SCR_002860)

Description: A de novo peptide sequencing algorithm using complementary higher-energy collisional dissociation (HCD) and electron transfer dissociation (ETD) tandem mass spectra.

Resource Type: software resource

Defining Citation: [PMID:23272783](#)

Keywords: mass spectrometry, proteomics, bio.tools

Availability: Free, Freely available

Resource Name: pNovo+

Resource ID: SCR_002860

Alternate IDs: biotools.pNovo_3, OMICS_02470

Alternate URLs: https://bio.tools/pNovo_3

Record Creation Time: 20220129T080215+0000

Record Last Update: 20260912T195547+0000

Ratings and Alerts

No rating or validation information has been found for pNovo+.

No alerts have been found for pNovo+.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Park J, et al. (2023) Frequency of peripheral PD-1+regulatory T cells is associated with treatment responses to PARP inhibitor maintenance in patients with epithelial ovarian cancer. *British journal of cancer*, 129(11), 1841.

Pan N, et al. (2021) Mapping Microproteins and ncRNA-Encoded Polypeptides in Different Mouse Tissues. *Frontiers in cell and developmental biology*, 9, 687748.

Wang B, et al. (2021) Improved Identification of Small Open Reading Frames Encoded Peptides by Top-Down Proteomic Approaches and De Novo Sequencing. *International journal of molecular sciences*, 22(11).

Yang H, et al. (2019) pNovo 3: precise de novo peptide sequencing using a learning-to-rank framework. *Bioinformatics (Oxford, England)*, 35(14), i183.

Blank-Landeshammer B, et al. (2019) Combination of Proteogenomics with Peptide De Novo Sequencing Identifies New Genes and Hidden Posttranscriptional Modifications. *mBio*, 10(5).

Sun J, et al. (2018) IgM antibodies against phosphorylcholine promote polarization of T regulatory cells from patients with atherosclerotic plaques, systemic lupus erythematosus and healthy donors. *Atherosclerosis*, 268, 36.

Thiagarajan D, et al. (2016) Human IgM Antibodies to Malondialdehyde Conjugated With Albumin Are Negatively Associated With Cardiovascular Disease Among 60-Year-Olds. *Journal of the American Heart Association*, 5(12).

Gorshkov V, et al. (2016) Peptide de novo sequencing of mixture tandem mass spectra. *Proteomics*, 16(18), 2470.