

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 29, 2026

SubMito

RRID:SCR_004572

Type: Tool

Proper Citation

SubMito (RRID:SCR_004572)

Resource Information

URL: <http://bioinfo.au.tsinghua.edu.cn/subMito/>

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Description: SubMito is the first computational system for predicting protein submitochondria locations from its primary sequence. SubMito is designed and implemented with Java. This site is a web-like front end for SubMito system. Users can access SubMito on the server side by uploading a FASTA file or entering sequence below. The prediction result will be saved on server, and a link to the result file will be provided. Since there may be several sessions running at the same time on the server, the responding of the server side SubMito may be very slow. Another way to use SubMito is to download a local version of the software. The online service can accept 2 forms of input. One is single sequence, the other is uploaded FASTA file. If you want to predict submitochondria location for a single sequence, you can paste your sequence in the text box. Optionally, you can choose to write some remarks in the text field labeling Enter your remark. Then, press the Submit button to perform the prediction. The result will be saved in a FASTA format file, and you can download it at any time in the coming 48 hours.

Resource Type: service resource, data analysis service, source code, software resource, production service resource, analysis service resource

Defining Citation: [PMID:17134515](#)

Funding: NSFC 60234020;
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Resource Name: SubMito

Resource ID: SCR_004572

Alternate IDs: nlx_56452

Record Creation Time: 20220129T080225+0000

Ratings and Alerts

No rating or validation information has been found for SubMito.

No alerts have been found for SubMito.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Wattanapornprom W, et al. (2021) Ensemble of Multiple Classifiers for Multilabel Classification of Plant Protein Subcellular Localization. Life (Basel, Switzerland), 11(4).

Du PF, et al. (2017) Predicting Protein Submitochondrial Locations: The 10th Anniversary. Current genomics, 18(4), 316.

Du P, et al. (2006) Prediction of protein submitochondria locations by hybridizing pseudo-amino acid composition with various physicochemical features of segmented sequence. BMC bioinformatics, 7, 518.