

Resource Summary Report

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Knowledge based Identification of Pathway Enzymes

RRID:SCR_022370

Type: Tool

Proper Citation

Knowledge based Identification of Pathway Enzymes (RRID:SCR_022370)

Resource Information

URL: <https://github.com/bpucker/KIPes>

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Description: Software tool as automatic approach for identification of players in biosynthesis pathway. Used for automatic annotation of flavonoid biosynthesis steps in new transcriptome of genome sequence assembly. Various enzymes of entire metabolic networks can be identified if sufficient knowledge about functionally relevant amino acids is available. Combines comprehensive sequence similarity analyses with inspection of functionally relevant amino acid residues and domains in subjected peptide sequences.

Abbreviations: KIPes

Resource Type: data processing software, data analysis software, software resource, software application

Defining Citation: [PMID:32867203](#)

Keywords: Automatic annotation, biosynthesis steps, new transcriptome of genome sequence assembly annotation, biosynthesis pathway, sequence similarity analyses, inspection of functionally relevant amino acid residues, peptide sequences

Availability: Free, Available for download, Freely available

Resource Name: Knowledge based Identification of Pathway Enzymes

Resource ID: SCR_022370

License: GNU GPL v3.0

Record Creation Time: 20220602T050140+0000

Ratings and Alerts

No rating or validation information has been found for Knowledge based Identification of Pathway Enzymes.

No alerts have been found for Knowledge based Identification of Pathway Enzymes.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Schmidt TJ, et al. (2026) Phylogenetic based dissection of eukaryotic Mo-insertase functionality: From mechanism to complex assembly. PloS one, 21(6), e0350191.

Rempel A, et al. (2023) KIPES3: Automatic annotation of biosynthesis pathways. PloS one, 18(11), e0294342.