

Resource Summary Report

Generated by [RRID](#) on Aug 12, 2026

PLprot

RRID:SCR_007864

Type: Tool

Proper Citation

PLprot (RRID:SCR_007864)

Resource Information

URL: <http://www.plprot.ethz.ch/>

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Description: A plastid protein database. It integrates data from large scale proteome analyses of different plastid types. These include etioplasts, chloroplasts, chromoplasts and the undifferentiated proplastid-like organelles of tobacco BY2 cells. This comparison allows establishing a core proteome that is common to all plastid types and provides furthermore information about plastid type-specific functions.

Synonyms: PLprot

Resource Type: data or information resource, database

Resource Name: PLprot

Resource ID: SCR_007864

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260811T043319+0000

Ratings and Alerts

No rating or validation information has been found for PLprot.

No alerts have been found for PLprot.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Wang P, et al. (2026) Carotenoid aggregates negatively impact chlorophyll levels and disrupt chloroplast development in peaches. *Molecular horticulture*, 6(1).

Bhattacharya O, et al. (2023) The tomato chloroplast stromal proteome compendium elucidated by leveraging a plastid protein-localization prediction Atlas. *Frontiers in plant science*, 14, 1020275.

Bhattacharya O, et al. (2020) Methodology: an optimized, high-yield tomato leaf chloroplast isolation and stroma extraction protocol for proteomics analyses and identification of chloroplast co-localizing proteins. *Plant methods*, 16, 131.

Zhu M, et al. (2018) A comprehensive proteomic analysis of elaioplasts from citrus fruits reveals insights into elaioplast biogenesis and function. *Horticulture research*, 5, 6.

Shah M, et al. (2016) Deep proteome analysis of gerontoplasts from the inner integument of developing seeds of *Jatropha curcas*. *Journal of proteomics*, 143, 346.

Suzuki M, et al. (2015) Plastid Proteomic Analysis in Tomato Fruit Development. *PloS one*, 10(9), e0137266.

Chiu CC, et al. (2013) Evolution of chloroplast J proteins. *PloS one*, 8(7), e70384.

Kaundal R, et al. (2013) Identification and characterization of plastid-type proteins from sequence-attributed features using machine learning. *BMC bioinformatics*, 14 Suppl 14(Suppl 14), S7.

Kim GH, et al. (2013) Still acting green: continued expression of photosynthetic genes in the heterotrophic Dinoflagellate *Pfiesteria piscicida* (Peridiniales, Alveolata). *PloS one*, 8(7), e68232.

Leonelli S, et al. (2013) Making open data work for plant scientists. *Journal of experimental botany*, 64(14), 4109.