

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 8, 2026

POGs/PlantRBP

RRID:SCR_007865

Type: Tool

Proper Citation

POGs/PlantRBP (RRID:SCR_007865)

Resource Information

URL: <http://pogs.uoregon.edu/#/>

Proper Citation: POGs/PlantRBP (RRID:SCR_007865)

Description: A relational database that integrates data from rice, maize, and Arabidopsis by placing the complete Arabidopsis and rice proteomes, and the available maize sequences into "putative orthologous groups" (POGS). Annotation efforts are now beginning and will focus on predicted RNA binding proteins (e.g. those with known RNA binding domains or known to influence RNA function). Putative Orthologous Groups (POGs) form the heart of the database, and were assigned using a mutual best hit strategy after performing BLAST comparisons of the predicted Arabidopsis and rice proteomes. Each POG entry includes cross-referenced orthologs and paralogs in Arabidopsis and rice, annotated with domain organization, gene models, phylogenetic trees showing closely-related proteins, and intracellular targeting predictions. The database can be queried to identify POGs with specific domain combinations and predicted intracellular locations.

Synonyms: POGs/PlantRBP

Resource Type: data or information resource, database

Resource Name: POGs/PlantRBP

Resource ID: SCR_007865

Old URLs: <http://plantrbp.uoregon.edu>

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260905T133147+0000

Ratings and Alerts

No rating or validation information has been found for POGs/PlantRBP.

No alerts have been found for POGs/PlantRBP.

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 [PRECISE-TBI](#) .

Iqbal Z, et al. (2021) Toward Integrated Multi-Omics Intervention: Rice Trait Improvement and Stress Management. *Frontiers in plant science*, 12, 741419.

Hong WJ, et al. (2019) Infrastructures of systems biology that facilitate functional genomic study in rice. *Rice (New York, N.Y.)*, 12(1), 15.

Bruley C, et al. (2012) AT_CHLORO: A Chloroplast Protein Database Dedicated to Sub-Plastidial Localization. *Frontiers in plant science*, 3, 205.