

# Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

## POGs/PlantRBP

RRID:SCR\_007865

Type: Tool

### Proper Citation

POGs/PlantRBP (RRID:SCR\_007865)

### Resource Information

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

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**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:** database, data or information resource

**Resource Name:** POGs/PlantRBP

**Resource ID:** SCR\_007865

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

**Record Creation Time:** 20220129T080244+0000

**Record Last Update:** 20260725T191152+0000

### Ratings and Alerts

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

No alerts have been found for POGs/PlantRBP.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## 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](#) .

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.