

# Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

## OMA Browser

RRID:SCR\_011978

Type: Tool

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### Proper Citation

OMA Browser (RRID:SCR\_011978)

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### Resource Information

**URL:** <http://omabrowser.org/cgi-bin/gateway.pl>

**Proper Citation:** OMA Browser (RRID:SCR\_011978)

**Description:** A database that identifies orthologs among publicly available, complete genomes. It offers a comprehensive search and numerous display options for 4.7 million proteins from 1000 species. The main features are the orthologous relationships which can be accessed either group-wise, where all group members are orthologous to all other group members, or on a sequence-centric basis, where for a given protein all its orthologs in all other species are displayed.

**Abbreviations:** OMA

**Synonyms:** Orthologous MATrix

**Resource Type:** database, data or information resource

**Defining Citation:** [PMID:21113020](#), [PMID:17545180](#)

**Keywords:** protein

**Availability:** Creative Commons Attribution-ShareAlike License, 2.5

**Resource Name:** OMA Browser

**Resource ID:** SCR\_011978

**Alternate IDs:** OMICS\_01690

**Record Creation Time:** 20220129T080307+0000

**Record Last Update:** 20260805T044253+0000

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### Ratings and Alerts

No rating or validation information has been found for OMA Browser.

No alerts have been found for OMA Browser.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Bakhtari B, et al. (2024) Identification and characterization of the Quinoa AP2/ERF gene family and their expression patterns in response to salt stress. Scientific reports, 14(1), 29529.

Bouqellah NA, et al. (2023) Secretome Analysis for a New Strain of the Blackleg Fungus *Plenodomus lingam* Reveals Candidate Proteins for Effectors and Virulence Factors. Journal of fungi (Basel, Switzerland), 9(7).

Olbei M, et al. (2022) Multilayered Networks of SalmoNet2 Enable Strain Comparisons of the Salmonella Genus on a Molecular Level. mSystems, 7(4), e0149321.

Hakala SM, et al. (2021) Biomarkers in a socially exchanged /fluid reflect colony maturity, behavior, and distributed metabolism. eLife, 10.

Rocca MS, et al. (2021) Identification of Rare LRP5 Variants in a Cohort of Males with Impaired Bone Mass. International journal of molecular sciences, 22(19).

Beatman TR, et al. (2021) A nomenclature for echinoderm genes. Database : the journal of biological databases and curation, 2021.

LeBoeuf AC, et al. (2016) Oral transfer of chemical cues, growth proteins and hormones in social insects. eLife, 5.

Roitinger E, et al. (2015) Quantitative phosphoproteomics of the ataxia telangiectasia-mutated (ATM) and ataxia telangiectasia-mutated and rad3-related (ATR) dependent DNA damage response in Arabidopsis thaliana. Molecular & cellular proteomics : MCP, 14(3), 556.

Cluxton CD, et al. (2015) Functional conservation of an ancestral Pellino protein in helminth species. Scientific reports, 5, 11687.

Lopez-Herrera G, et al. (2012) Deleterious mutations in LRBA are associated with a syndrome of immune deficiency and autoimmunity. American journal of human genetics, 90(6), 986.