

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 13, 2026

OMA Browser

RRID:SCR_011978

Type: Tool

Proper Citation

OMA Browser (RRID:SCR_011978)

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: data or information resource, database

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: 20260912T200207+0000

Ratings and Alerts

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

No alerts have been found for OMA Browser.

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 [SPARC SAWG](#) .

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.