

Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

CAT

RRID:SCR_008421

Type: Tool

Proper Citation

CAT (RRID:SCR_008421)

Resource Information

URL: <http://mothra.ornl.gov/cgi-bin/cat/cat.cgi>

Proper Citation: CAT (RRID:SCR_008421)

Description: A repository of tools for analysis and annotation of CAZymes (Carbohydrate Active enZymes)., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: CAT

Resource Type: software resource

Keywords: bio.tools

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: CAT

Resource ID: SCR_008421

Alternate IDs: OMICS_01676, biotools:CAAt

Alternate URLs: <https://bio.tools/CAT>

Record Creation Time: 20220129T080247+0000

Record Last Update: 20260815T182344+0000

Ratings and Alerts

No rating or validation information has been found for CAT.

No alerts have been found for CAT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Huang X, et al. (2019) Life-stage specific transcriptomes of a migratory endoparasitic plant nematode, *Radopholus similis* elucidate a different parasitic and life strategy of plant parasitic nematodes. *Scientific reports*, 9(1), 6277.

Sabbadin F, et al. (2018) An ancient family of lytic polysaccharide monooxygenases with roles in arthropod development and biomass digestion. *Nature communications*, 9(1), 756.

Huang Y, et al. (2018) Characterization of novel endo- β -N-acetylglucosaminidases from *Sphingobacterium* species, *Beauveria bassiana* and *Cordyceps militaris* that specifically hydrolyze fucose-containing oligosaccharides and human IgG. *Scientific reports*, 8(1), 246.

Higuchi Y, et al. (2018) Identification and characterization of a novel β -D-galactosidase that releases pyruvylated galactose. *Scientific reports*, 8(1), 12013.

Sabbadin F, et al. (2018) Uncovering the molecular mechanisms of lignocellulose digestion in shipworms. *Biotechnology for biofuels*, 11, 59.

Tang K, et al. (2017) Characterization of Potential Polysaccharide Utilization Systems in the Marine Bacteroidetes *Gramella Flava* JLT2011 Using a Multi-Omics Approach. *Frontiers in microbiology*, 8, 220.

Yin YR, et al. (2017) The Hybrid Strategy of *Thermoactinospira rubra* YIM 77501T for Utilizing Cellulose as a Carbon Source at Different Temperatures. *Frontiers in microbiology*, 8, 942.

Ufarté L, et al. (2015) Discovery of new protein families and functions: new challenges in functional metagenomics for biotechnologies and microbial ecology. *Frontiers in microbiology*, 6, 563.

Dou TY, et al. (2015) Functional and structural properties of a novel cellulosome-like multienzyme complex: efficient glycoside hydrolysis of water-insoluble 7-xylosyl-10-deacetylpaclitaxel. *Scientific reports*, 5, 13768.

Sapountzis P, et al. (2015) The *Enterobacterium Trabulsiella odontotermitis* Presents Novel Adaptations Related to Its Association with Fungus-Growing Termites. *Applied and environmental microbiology*, 81(19), 6577.

Blackman LM, et al. (2015) RNA-Seq Analysis of the Expression of Genes Encoding Cell Wall Degrading Enzymes during Infection of Lupin (*Lupinus angustifolius*) by *Phytophthora parasitica*. *PLoS one*, 10(9), e0136899.

Nathani NM, et al. (2015) Effect of roughage on rumen microbiota composition in the efficient feed converter and sturdy Indian Jaffrabadi buffalo (*Bubalus bubalis*). BMC genomics, 16, 1116.

Blanco-Ulate B, et al. (2014) Genome-wide transcriptional profiling of *Botrytis cinerea* genes targeting plant cell walls during infections of different hosts. Frontiers in plant science, 5, 435.