

Resource Summary Report

Generated by SPARC SAWG on Sep 16, 2026

Biomphalaria glabrata Genomic Initiative

RRID:SCR_012872

Type: Tool

Proper Citation

Biomphalaria glabrata Genomic Initiative (RRID:SCR_012872)

Resource Information

URL: <http://biology.unm.edu/biomphalaria-genome/>

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Description: An international consortium has successfully pursued the development of an internationally supported a molluscan genome project, one that is focused mainly on the freshwater gastropod *Biomphalaria glabrata*. This site provides information on design, management and progress of this initiative. Currently, the consortium encourages investigators to pursue external funding available at the national level, towards hypothesis-driven research projects that include a gene discovery component. Individual research groups may combine efforts in national and international settings to apply for large scale resources such as funding for exchange of information and investigators, production of BAC libraries, and sequencing capacity. The sequences generated as part of the consortium effort will be released to public databases in a timely fashion Data: - NCBI databases : 55767 nucleotide (54309 ESTs)/1 genome/650 protein entries. - Genome Project 12879: 265,481 records (WGS/EST/454/BES) in the trace archives. - Short Read Archive (SRA): 454 data projects: 23Gbases gDNA. Sponsors: This resource is supported by the University of New Mexico. Keywords: Gastropod, *Biomphalaria glabrata*, Genomic, Data, Nucleotide, Genome,

Synonyms: Bg Initiative

Resource Type: data or information resource, disease-related portal, portal, research forum portal, topical portal

Resource Name: Biomphalaria glabrata Genomic Initiative

Resource ID: SCR_012872

Alternate IDs: nif-0000-30167

Record Creation Time: 20220129T080312+0000

Record Last Update: 20260912T195754+0000

Ratings and Alerts

No rating or validation information has been found for *Biomphalaria glabrata* Genomic Initiative.

No alerts have been found for *Biomphalaria glabrata* Genomic Initiative.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Wu XJ, et al. (2017) Proteomic analysis of *Biomphalaria glabrata* plasma proteins with binding affinity to those expressed by early developing larval *Schistosoma mansoni*. PLoS pathogens, 13(5), e1006081.

Prasopdee S, et al. (2014) RNA-Seq reveals infection-induced gene expression changes in the snail intermediate host of the carcinogenic liver fluke, *Opisthorchis viverrini*. PLoS neglected tropical diseases, 8(3), e2765.

Taus C, et al. (2013) Expression and characterization of the first snail-derived UDP-N-acetyl-??-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase. Glycoconjugate journal, 30(9), 825.

Liu MM, et al. (2013) Fine mapping of the pond snail left-right asymmetry (chirality) locus using RAD-Seq and fibre-FISH. PloS one, 8(8), e71067.

Ottaviani E, et al. (2013) Epigenetic modification in neurons of the mollusc *Pomacea canaliculata* after immune challenge. Brain research, 1537, 18.

Lockyer AE, et al. (2007) *Biomphalaria glabrata* transcriptome: identification of cell-signalling, transcriptional control and immune-related genes from open reading frame expressed sequence tags (ORESTES). Developmental and comparative immunology, 31(8), 763.

Lockyer AE, et al. (2007) Identification of genes involved in interactions between *Biomphalaria glabrata* and *Schistosoma mansoni* by suppression subtractive hybridization. Molecular and biochemical parasitology, 151(1), 18.

Mitta G, et al. (2005) Gene discovery and expression analysis of immune-relevant genes from *Biomphalaria glabrata* hemocytes. Developmental and comparative immunology, 29(5), 393.