Resource Summary Report

Generated by NIF on Sep 18, 2026

VectorBase

RRID:SCR_005917
Type: Tool

Proper Citation

VectorBase (RRID:SCR_005917)

Resource Information

URL: http://www.vectorbase.org

Proper Citation: VectorBase (RRID:SCR_005917)

Description: Bioinformatics Resource Center for invertebrate vectors. Provides web-based resources to scientific community conducting basic and applied research on organisms considered potential agents of biowarfare or bioterrorism or causing emerging or re-emerging diseases.

Abbreviations: VectorBase

Synonyms: VectorBase - Bioinformatics Resource for Invertebrate Vectors of Human Pathogens, VectorBase, vector base

Resource Type: data or information resource, data repository, database, service resource, storage service resource

Defining Citation: PMID:22135296, PMID:19028744, PMID:18262474, PMID:18237287, PMID:17145709

Keywords: blast, clustalw, hmmer, vector, genomics, genome, sequence, population, insecticide resistance, annotation, microarray, gene expression, anatomy, pathogen, human, transcript, transcriptome, protein, proteome, mitochondria sequence, bioinformatics resource center, pathogen, arthropoda, vector control, ontology, software, source code, mitochondrial sequence, data analysis service, image collection, FASEB list

Funding: European Union ;
Evimalar network of excellence 242095;
INFRAVEC 228421;
NIAID

Availability: Restricted

Resource Name: VectorBase

Resource ID: SCR_005917

Alternate IDs: nif-0000-03624, r3d100010880

Alternate URLs: https://doi.org/10.17616/R3CK6B

License URLs: https://www.vectorbase.org/data-policies, https://www.vectorbase.org/data-policies

Record Creation Time: 20220129T080233+0000

Record Last Update: 20260912T195633+0000

Ratings and Alerts

No rating or validation information has been found for VectorBase.

No alerts have been found for VectorBase.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 881 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Fritz Garc??a JHG, et al. (2026) Effects of expressing a maleness gene in Anopheles gambiae cells using baculovirus as a gene delivery tool. Parasites & vectors, 19(1).

Li F, et al. (2026) Functional characterization of AsOBP21f, an odorant-binding protein involved in human odor detection in the malaria vector Anopheles sinensis. Parasites & vectors, 19(1).

Yang X, et al. (2026) Knockout of aminopeptidase N3 confers resistance to low concentrations of Bacillus thuringiensis Cry4Ba protoxin in Aedes aegypti. Parasites & vectors, 19(1).

Lou Y, et al. (2026) Blood feeding-induced transcriptomic changes in the hard tick Ixodes persulcatus. Frontiers in insect science, 6, 1669026.

Girard M, et al. (2026) Mutualism in disguise: A mosquito parasite with mixed transmission mode displays mutualistic traits promoting oogenesis. PLoS pathogens, 22(3), e1014034.

Mohammed AK, et al. (2026) Systematic review and meta-analysis of insecticide resistance status and mechanisms in the arbovirus vector Aedes aegypti from Nigeria. PLoS neglected tropical diseases, 20(6), e0014421.

Balcazar D, et al. (2026) Investigating genetic differentiation between brackish and fresh water collections of the arboviral vector Aedes aegypti. Parasites & vectors, 19(1), 91.

Vainer Y, et al. (2026) Sensory coding of borneol repellency in culicine mosquitoes via the Or49 pathway. Nature communications, 17(1).

Ramelow J, et al. (2026) Disruption of the AgMOBP1-PfSyn5 interface abolishes malaria transmission. bioRxiv : the preprint server for biology.

Wang Z, et al. (2026) InsectBase 3.0: a comprehensive multi-omics resource for insects. Nucleic acids research, 54(D1), D1143.

Flory C, et al. (2026) Multiomics Analysis of Arboviral Capsid Targets in Mosquitoes Reveals a Proviral Function of the Chromatin-Remodeling Brahma Complex. Molecular & cellular proteomics : MCP, 25(2), 101512.

Weng SC, et al. (2026) Dual functions of the Aedes aegypti ecdysone receptor in dengue virus replication and reproduction control. Parasites & vectors, 19(1).

Morvay A, et al. (2026) Synergistic role of CSPBP and SGS1 in sporozoite entry into Aedes aegypti salivary glands. Scientific reports, 16(1).

Nishiduka E, et al. (2026) Chromosome-scale genome assembly and developmental transcriptome of Aedes triseriatus, vector of La Crosse virus. BMC genomics, 27(1).

de Carvalho SS, et al. (2026) Cell-specific responses of Anopheles gambiae fat body to blood feeding and infection at single-nuclei resolution. Nature communications, 17(1).

Toraman B, et al. (2026) Could vector-derived cadherin mimicry contribute to pemphigus vulgaris? An immunogenetic and in silico study involving HLA-DRB104:02 and 14:01. Frontiers in immunology, 17, 1745207.

Saha A, et al. (2026) Biochemical, molecular, and in silico insights into the effects of cyphenothrin on Culex quinquefasciatus mosquitoes. Parasites & vectors, 19(1).

Sri-In C, et al. (2026) Mosquito diversity and orthoflavivirus detection in Khao Yai National Park, Thailand. Current research in parasitology & vector-borne diseases, 10, 100391.

Khorramnejad A, et al. (2026) Population differences in reproductive resource allocation and heterosis in the invasive vector Aedes albopictus. Parasites & vectors, 19(1), 77.

Ogg HA, et al. (2026) Altered histone modifications in Aedes aegypti midguts following Rift Valley fever virus exposure. Scientific reports, 16(1), 6605.