

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 19, 2026

ButterflyBase

RRID:SCR_000727

Type: Tool

Proper Citation

ButterflyBase (RRID:SCR_000727)

Resource Information

URL: <http://www.butterflybase.org>

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Description: An open-access Genomic Database for Lepidoptera. It includes all the Lepidoptera cDNA sequences available in NCBI's dbEST. Support for genomic-DNA sequences such as BACs and the Bombyx mori genome is being generated. Tools available on this website include BLAST search, Annotation search, Primer design, and Microsatellite repeat finders. Users can also download all data and sequences. Within the site, the Expressed Sequence Tag sequences are made with Trace2dbest from raw sequence data if available or downloaded from NCBI. We cluster them using PartiGene into gene-objects to reduce redundancy. Subsequently, we perform hierarchical BLAST searches to provide accurate similarity annotation and a robust protein translation protocol using prot4EST. Putative proteins objects have been further annotated with the Gene Ontology biological vocabulary (GO terms) and InterPro (EBI) domains to facilitate gene-hunters. The repository is open for all Lepidopteran researchers.

Synonyms: ButterflyBase

Resource Type: data or information resource, database

Defining Citation: [PMID:17933781](#)

Keywords: bombyx mori, butterfly, moth, lepidoptera, lepidoptera cDNA, lepidoptera genome

Availability: Please cite: Papanicolaou A, Gebauer-Jung S, Blaxter ML, Owen McMillan W, Jiggins CD. ButterflyBase: a platform for lepidopteran genomics. Nucleic Acids Res. 2008 Jan;36(Database issue):D582-7. Epub 2007 Oct 12.

Resource Name: ButterflyBase

Resource ID: SCR_000727

Alternate IDs: nif-0000-02627

Record Creation Time: 20220129T080203+0000

Record Last Update: 20260912T200120+0000

Ratings and Alerts

No rating or validation information has been found for ButterflyBase.

No alerts have been found for ButterflyBase.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Singh D, et al. (2016) A comprehensive view of the web-resources related to sericulture. Database : the journal of biological databases and curation, 2016.

Tettweiler G, et al. (2012) The Distribution of eIF4E-Family Members across Insecta. Comparative and functional genomics, 2012, 960420.

Celorio-Mancera Mde L, et al. (2011) Sialome of a generalist lepidopteran herbivore: identification of transcripts and proteins from Helicoverpa armigera labial salivary glands. PloS one, 6(10), e26676.