

Resource Summary Report

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Dfam

RRID:SCR_021168

Type: Tool

Proper Citation

Dfam (RRID:SCR_021168)

Resource Information

URL: <https://dfam.org/home>

Proper Citation: Dfam (RRID:SCR_021168)

Description: Open collection of Transposable Element DNA sequence alignments, hidden Markov Models, consensus sequences, and genome annotations. Dfam 3.2 provides early access to uncurated, de novo generated families.

Synonyms: Dfam 3.2

Resource Type: database, data or information resource

Defining Citation: [DOI:10.1186/s13100-020-00230-y](https://doi.org/10.1186/s13100-020-00230-y)

Keywords: Transposable Element, DNA sequence alignments, hidden Markov Models, consensus sequences, genome annotations

Funding: NHGRI U24 HG010136;
NHGRI R01 HG002939

Availability: Free, Freely available

Resource Name: Dfam

Resource ID: SCR_021168

Record Creation Time: 20220129T080354+0000

Record Last Update: 20250430T060232+0000

Ratings and Alerts

No rating or validation information has been found for Dfam.

No alerts have been found for Dfam.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 67 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Shin HD, et al. (2025) Chromosome-level Genome Assembly of Korean Long-tailed Chicken and Pangenome of 40 Gallus gallus Assemblies. *Scientific data*, 12(1), 51.

Zhang Y, et al. (2025) Chromosome-level genome assembly of black carp *Mylopharyngodon piceus* using Nanopore and Hi-C technologies. *Scientific data*, 12(1), 145.

Yan Y, et al. (2025) Degenerated vision, altered lipid metabolism, and expanded chemoreceptor repertoires enable *Lindaspio polybranchiata* to thrive in deep-sea cold seeps. *BMC biology*, 23(1), 13.

Vignale FA, et al. (2025) Yerba mate (*Ilex paraguariensis*) genome provides new insights into convergent evolution of caffeine biosynthesis. *eLife*, 14.

Lai Y, et al. (2025) Genome assembly of the grassland caterpillar *Gynaephora qinghaiensis*. *Scientific data*, 12(1), 158.

Oriowo TO, et al. (2025) A chromosome-level, haplotype-resolved genome assembly and annotation for the Eurasian minnow (*Leuciscidae*: *Phoxinus phoxinus*) provide evidence of haplotype diversity. *GigaScience*, 14.

Wang C, et al. (2024) Comprehensive characterization of ERV-K (HML-8) in the chimpanzee genome revealed less genomic activity than humans. *Frontiers in cellular and infection microbiology*, 14, 1349046.

Sylvester T, et al. (2024) A reference quality genome assembly for the jewel scarab *Chrysina gloriosa*. *G3 (Bethesda, Md.)*, 14(6).

Unneberg P, et al. (2024) Ecological genomics in the Northern krill uncovers loci for local adaptation across ocean basins. *Nature communications*, 15(1), 6297.

Chen HM, et al. (2024) A chromosome-scale reference genome of the Banna miniature

inbred pig. *Scientific data*, 11(1), 1345.

Tang R, et al. (2024) A ghost moth olfactory prototype of the lepidopteran sex communication. *GigaScience*, 13.

Xia W, et al. (2024) Chromosome-level genome provides new insight into the overwintering process of Korla pear (*Pyrus sinkiangensis* Yu). *BMC plant biology*, 24(1), 773.

Wang Y, et al. (2024) Chromosome-scale genome, together with transcriptome and metabolome, provides insights into the evolution and anthocyanin biosynthesis of *Rubus rosaefolius* Sm. (Rosaceae). *Horticulture research*, 11(4), uhae064.

Zhu X, et al. (2024) An expanded odorant-binding protein mediates host cue detection in the parasitic wasp *Baryscapus dioryctriae* basis of the chromosome-level genome assembly analysis. *BMC biology*, 22(1), 196.

Kim B, et al. (2024) Chromosome-level genome assembly of Korean holoparasitic plants, *Orobanche coerulescens*. *Scientific data*, 11(1), 714.

Wei T, et al. (2024) Chromosome-level genome assembly of two cultivated Jujubes. *Scientific data*, 11(1), 1144.

Peterson JK, et al. (2024) Genome report: First whole genome sequence of *Triatoma sanguisuga* (Le Conte, 1855), vector of Chagas disease. *bioRxiv : the preprint server for biology*.

Zhan Z, et al. (2024) Chromosome-level genome assembly and annotation of a sea toad (*Chaunax* sp.). *Scientific data*, 11(1), 1397.

Liang X, et al. (2024) A chromosome-level genome assembly of skipjack tuna, *Katsuwonus pelamis* (Perciformes: Scombridae). *Scientific data*, 11(1), 1405.

Liang X, et al. (2024) A chromosome-level genome assembly of big-barbel schizothorcin, *Schizothorax macropogon*. *Scientific data*, 11(1), 1402.