

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 16, 2026

Eutherian comparative genomic analysis protocol

RRID:SCR_014401

Type: Tool

Proper Citation

Eutherian comparative genomic analysis protocol (RRID:SCR_014401)

Resource Information

URL: <https://doi.org/10.1016/j.genrep.2019.100414>

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Description: Eutherian comparative genomic analysis protocol as one framework of eutherian gene data set revisions. Protocol integrated gene annotations, phylogenetic analysis and protein molecular evolution analysis with 3 new tests including test of reliability of public eutherian genomic sequences using genomic sequence redundancies, test of contiguity of public eutherian genomic sequences using multiple pairwise genomic sequence alignments and test of protein molecular evolution using relative synonymous codon usage statistics. Public eutherian reference genomic sequence data sets.

Resource Type: data or information resource, data set, protocol

Defining Citation: [DOI:10.1016/j.genrep.2019.100414](https://doi.org/10.1016/j.genrep.2019.100414)

Keywords: eutheria, gene, data set, annotation, genomic, molecular, evolution, phylogenetic, analysis protocol

Availability: Free, Freely available

Resource Name: Eutherian comparative genomic analysis protocol

Resource ID: SCR_014401

Alternate URLs: <https://doi.org/10.1016/j.dib.2015.11.056>

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Record Creation Time: 20220129T080320+0000

Record Last Update: 20260912T195816+0000

Ratings and Alerts

No rating or validation information has been found for Eutherian comparative genomic analysis protocol.

No alerts have been found for Eutherian comparative genomic analysis protocol.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Premzl M, et al. (2022) Revised eutherian gene collections. BMC genomic data, 23(1), 56.

Premzl M, et al. (2020) Comparative genomic analysis of eutherian interferon genes. Genomics, 112(6), 4749.

Premzl M, et al. (2020) Comparative genomic analysis of eutherian fibroblast growth factor genes. BMC genomics, 21(1), 542.

Premzl M, et al. (2020) Author Correction: Comparative genomic analysis of eutherian connexin genes. Scientific reports, 10(1), 10779.

Premzl M, et al. (2019) Comparative genomic analysis of eutherian connexin genes. Scientific reports, 9(1), 16938.

Premzl M, et al. (2018) Comparative genomic analysis of eutherian adiponectin genes. Heliyon, 4(6), e00647.

Premzl M, et al. (2017) Comparative genomic analysis of eutherian kallikrein genes. Molecular genetics and metabolism reports, 10, 96.

Premzl M, et al. (2016) Comparative genomic analysis of eutherian tumor necrosis factor ligand genes. Immunogenetics, 68(2), 125.

Premzl M, et al. (2016) Curated eutherian third party data gene data sets. Data in brief, 6, 208.

Premzl M, et al. (2015) Initial description of primate-specific cystine-knot Prometheus genes and differential gene expansions of D-dopachrome tautomerase genes. Meta gene, 4, 118.

Premzl M, et al. (2015) Third party data gene data set of eutherian growth hormone genes. Genomics data, 6, 166.

Premzl M, et al. (2014) Comparative genomic analysis of eutherian ribonuclease A genes. Molecular genetics and genomics : MGG, 289(2), 161.

Premzl M, et al. (2014) Third party annotation gene data set of eutherian lysozyme genes. *Genomics data*, 2, 258.

Premzl M, et al. (2014) Comparative genomic analysis of eutherian Mas-related G protein-coupled receptor genes. *Gene*, 540(1), 16.

Premzl M, et al. (2012) Comparative genomic analysis of eutherian interferon- γ -inducible GTPases. *Functional & integrative genomics*, 12(4), 599.