Resource Summary Report

Generated by NIF on Aug 27, 2026

CORG - A database for COmparative Regulatory Genomics

RRID:SCR_007610
Type: Tool

Proper Citation

CORG - A database for COmparative Regulatory Genomics (RRID:SCR_007610)

Resource Information

URL: http://corg.molgen.mpg.de

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on July 15, 2013. Non-coding DNA segments that are conserved across multiple homologous genomic sequences are good indicators of putative regulatory elements. We use a systematic approach to delineate such conserved non-coding blocks from a collection of vertebrate species. Upstream regions of homologous gene pairs from man, rhesus monkey, mouse, rat, dog, cow, chicken, tetraodon, zebrafish and xenopus are considered for this purpose. Pairwise as well as Multiple alignments based on the pairwise ones are available. Sequence conservation in non-coding, upstream regions of orthologous genes from man and mouse is likely to reflect common regulatory DNA sites. Motivated by this assumption we have delineated a catalogue of conserved non-coding sequence blocks and provide the CORG-"COmparative Regulatory Genomics"-database. The data were computed based on statistically significant local suboptimal alignments of 15 kb regions upstream of the translation start sites of, currently, 10 793 pairs of orthologous genes. The resulting conserved non-coding blocks were annotated with EST matches for easier detection of non-coding mRNA and with hits to known transcription factor binding sites. CORG data are accessible from the ENSEMBL web site via a DAS service as well as a specially developed web service for query and interactive visualization of the conserved blocks and their annotation.

Abbreviations: CORG

Synonyms: COmparative Regulatory Genomics

Resource Type: data or information resource, database

Defining Citation: PMID:15723697, PMID:12519946, PMID:12385988

Keywords: chicken, conserved dna sequence, conserved non-coding sequence, cow, dog, man, mouse, non-coding sequence, rat, rhesus monkey, tetraodon, xenopus, zebrafish

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: CORG - A database for COmparative Regulatory Genomics

Resource ID: SCR_007610

Alternate IDs: nif-0000-02687

Record Creation Time: 20220129T080242+0000

Record Last Update: 20260821T193821+0000

Ratings and Alerts

No rating or validation information has been found for CORG - A database for COmparative Regulatory Genomics.

No alerts have been found for CORG - A database for COmparative Regulatory Genomics.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Cor?? D, et al. (2005) Ab initio identification of putative human transcription factor binding sites by comparative genomics. BMC bioinformatics, 6, 110.

Preiss T, et al. (2004) Functional genomics: strict tempo and hierarchical vocabularies. Genome biology, 5(2), 307.