Resource Summary Report

Generated by dkNET on May 5, 2025

Cinteny

RRID:SCR_002147
Type: Tool

Proper Citation

Cinteny (RRID:SCR_002147)

Resource Information

URL: http://cinteny.cchmc.org/

Proper Citation: Cinteny (RRID:SCR_002147)

Description: Online database for finding and analyzing syntenic regions across multiple genomes and measuring the extent of genome rearrangement using reversal distance as a measure.

Synonyms: Cinteny Server for Synteny Identification and Analysis of Genome Rearrangement

Resource Type: web application, software resource, data or information resource, database

Defining Citation: PMID:17343765

Keywords: syntenic genes, genome rearrangement, online genome database

Funding: NIAID R21 AI055338;
NIAMS R01 AR050688

Availability: Free

Resource Name: Cinteny

Resource ID: SCR_002147

Alternate IDs: OMICS_00931

Record Creation Time: 20220129T080211+0000

Record Last Update: 20250505T053408+0000

Ratings and Alerts

No rating or validation information has been found for Cinteny.

No alerts have been found for Cinteny.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Gatticchi L, et al. (2020) Tm7sf2 Disruption Alters Radial Gene Positioning in Mouse Liver Leading to Metabolic Defects and Diabetes Characteristics. Frontiers in cell and developmental biology, 8, 592573.

Krishna KH, et al. (2018) Molecular evolution and functional divergence of eukaryotic translation initiation factor 2-alpha kinases. PloS one, 13(3), e0194335.

Iyer S, et al. (2018) A comparative bioinformatic analysis of C9orf72. PeerJ, 6, e4391.

Kirk IK, et al. (2017) The impact of the protein interactome on the syntenic structure of mammalian genomes. PloS one, 12(9), e0179112.

Sarda S, et al. (2017) Distal CpG islands can serve as alternative promoters to transcribe genes with silenced proximal promoters. Genome research, 27(4), 553.

Jayachandran P, et al. (2016) Microtubule-associated protein 1b is required for shaping the neural tube. Neural development, 11, 1.

Pavlopoulos GA, et al. (2015) Visualizing genome and systems biology: technologies, tools, implementation techniques and trends, past, present and future. GigaScience, 4, 38.

Manoli M, et al. (2014) nkx2.1 and nkx2.4 genes function partially redundant during development of the zebrafish hypothalamus, preoptic region, and pallidum. Frontiers in neuroanatomy, 8, 145.

Tiirikka T, et al. (2014) Clustering of gene ontology terms in genomes. Gene, 550(2), 155.

Gupta M, et al. (2013) Identification and expression analysis of zebrafish glypicans during

embryonic development. PloS one, 8(11), e80824.

Sällman Almén M, et al. (2012) The dispanins: a novel gene family of ancient origin that contains 14 human members. PloS one, 7(2), e31961.

Sandhu KS, et al. (2012) Large-scale functional organization of long-range chromatin interaction networks. Cell reports, 2(5), 1207.

Lemay DG, et al. (2012) G-NEST: a gene neighborhood scoring tool to identify co-conserved, co-expressed genes. BMC bioinformatics, 13, 253.

Maddirevula S, et al. (2011) Nrdp1 governs differentiation of the melanocyte lineage via Erbb3b signaling in the zebrafish embryogenesis. Biochemical and biophysical research communications, 409(3), 454.

Guo FB, et al. (2010) Chromosome translocation and its consequence in the genome of Burkholderia cenocepacia AU-1054. Biochemical and biophysical research communications, 403(3-4), 375.

Sinha AU, et al. (2007) Cinteny: flexible analysis and visualization of synteny and genome rearrangements in multiple organisms. BMC bioinformatics, 8, 82.