Resource Summary Report

Generated by dkNET on Apr 16, 2025

Songbird Brain Transcriptome Database

RRID:SCR_006182
Type: Tool

Proper Citation

Songbird Brain Transcriptome Database (RRID:SCR_006182)

Resource Information

URL: http://songbirdtranscriptome.net/

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Description: Database containing cDNA clone information of the brains of songbirds. These clones are annotated with behavioral information, as well as links to information of homologous genes of other species. The database includes over 91,000 zebra finch brain cDNAs (2009) sequenced by Duke, ESTIMA, and Rockefeller research groups. The project is a collaborative effort of the Jarvis Laboratory of Duke University, Duke Bioinformatics, and The Genomics group of RIKEN, with Erich D. Jarvis as P.I. and Kazuhiro Wada as Co-P.I. Microarrays with the cDNAs in this database are available at Duke http://mgm.duke.edu/genome/dna_micro/core/spotted.htm and through the NIH Neurosciences Microarray Consortium http://arrayconsortium.tgen.org/np2/public/overview.jsp

Abbreviations: Songbird Brain Transcriptome Database

Resource Type: database, data analysis service, data or information resource, service resource, analysis service resource, production service resource

Defining Citation: PMID:17018643

Keywords: brain, songbird, microarray, cdna, cdna clone, clone, behavior, homologous gene, annotation, homologue

Funding: Whitehall Foundation ;
Klingenstein Foundation ;
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Waterman award ;
NIDCD R01DC7218

Availability: Public

Resource Name: Songbird Brain Transcriptome Database

Resource ID: SCR_006182

Alternate IDs: nlx_151729

Record Creation Time: 20220129T080234+0000

Record Last Update: 20250416T063432+0000

Ratings and Alerts

No rating or validation information has been found for Songbird Brain Transcriptome Database.

No alerts have been found for Songbird Brain Transcriptome Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Chen CC, et al. (2013) Molecular profiling of the developing avian telencephalon: regional timing and brain subdivision continuities. The Journal of comparative neurology, 521(16), 3666.

Jarvis ED, et al. (2013) Global view of the functional molecular organization of the avian cerebrum: mirror images and functional columns. The Journal of comparative neurology, 521(16), 3614.

Hara E, et al. (2012) Convergent differential regulation of parvalbumin in the brains of vocal learners. PloS one, 7(1), e29457.

Hilliard AT, et al. (2012) Molecular microcircuitry underlies functional specification in a basal

ganglia circuit dedicated to vocal learning. Neuron, 73(3), 537.

Lovell PV, et al. (2011) Brain expression and song regulation of the cholecystokinin gene in the zebra finch (Taeniopygia guttata). The Journal of comparative neurology, 519(2), 211.

Pinaud R, et al. (2008) Profiling of experience-regulated proteins in the songbird auditory forebrain using quantitative proteomics. The European journal of neuroscience, 27(6), 1409.

Haesler S, et al. (2007) Incomplete and inaccurate vocal imitation after knockdown of FoxP2 in songbird basal ganglia nucleus Area X. PLoS biology, 5(12), e321.

Wingfield JC, et al. (2005) Historical contributions of research on birds to behavioral neuroendocrinology. Hormones and behavior, 48(4), 395.