

# Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

## Songbird Brain Transcriptome Database

RRID:SCR\_006182

Type: Tool

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### Proper Citation

Songbird Brain Transcriptome Database (RRID:SCR\_006182)

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### 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](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:** analysis service resource, data analysis service, data or information resource, database, production service resource, 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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Human Fronteir Science Program ;  
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Japanese Ministry of Education Culture Sports Science and Technology MEXT ;  
NSF ;  
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:** 20260821T193744+0000

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## 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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 8 mentions in open access literature.

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

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.

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.

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.