

Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

ChickBase

RRID:SCR_008147

Type: Tool

Proper Citation

ChickBase (RRID:SCR_008147)

Resource Information

URL: <http://www.thearkdb.org/arkdb/>

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Description: This website contains the mapping sequence of poultry. The ArkDB database system aims to provide a comprehensive public repository for genome mapping data from farmed and other animal species. In doing so, it aims to provide a route in to genomic and other sequence from the initial viewpoint of linkage mapping, RH mapping, physical mapping or - possibly more importantly - QTL mapping data. It's supported, in part, by the USDA-CSREES National Animal Genome Research Program in order to serve the poultry genome mapping community. This system represents a complete rewrite of the original version with the code migrated to java and the underlying database targeted at postgres (although any standards-compliant database engine should suffice). The initial release records details of maps and the markers that they contain. There are alternative entry points that target either a chromosome or a specific mapping analysis as the starting point. Limited relationships between markers are recorded and displayed. As with the previous version, all maps are drawn using data extracted from the database on the fly.

Synonyms: Chick Base

Resource Type: database, data or information resource

Keywords: animal, chicken, genome, linkage, map, mapping, marker, meeting, physical, poultry, qtl, rh, sequence, specie

Resource Name: ChickBase

Resource ID: SCR_008147

Alternate IDs: nif-0000-20970

Alternate URLs: <http://birdbase.arizona.edu/birdbase/>

Old URLs: <http://www.genome.iastate.edu/chickmap/>

Record Creation Time: 20220129T080245+0000

Record Last Update: 20260725T191152+0000

Ratings and Alerts

No rating or validation information has been found for ChickBase.

No alerts have been found for ChickBase.

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 [SPARC SAWG](#) .

Sharma B, et al. (2017) Genome-wide identification and expression analysis of E2 ubiquitin-conjugating enzymes in tomato. Scientific reports, 7(1), 8613.

Goto T, et al. (2017) Genetic Mapping of Quantitative Trait Loci for Egg Production and Egg Quality Traits in Chickens: a Review. The journal of poultry science, 54(1), 1.

Liu X, et al. (2017) Mitochondrial-nuclear crosstalk, haplotype and copy number variation distinct in muscle fiber type, mitochondrial respiratory and metabolic enzyme activities. Scientific reports, 7(1), 14024.

Cahyadi M, et al. (2016) Variance Component Quantitative Trait Locus Analysis for Body Weight Traits in Purebred Korean Native Chicken. Asian-Australasian journal of animal sciences, 29(1), 43.

Jin S, et al. (2016) A Major Locus for Quantitatively Measured Shank Skin Color Traits in Korean Native Chicken. Asian-Australasian journal of animal sciences, 29(11), 1555.

Bruford MW, et al. (2015) Prospects and challenges for the conservation of farm animal genomic resources, 2015-2025. Frontiers in genetics, 6, 314.

Seo DW, et al. (2013) Discrimination of korean native chicken lines using fifteen selected microsatellite markers. Asian-Australasian journal of animal sciences, 26(3), 316.

Xu H, et al. (2011) Genetic effects of polymorphisms in candidate genes and the QTL region on chicken age at first egg. BMC genetics, 12, 33.