

# Resource Summary Report

Generated by [RRID](#) on Apr 11, 2025

## WEBQTL

RRID:SCR\_009072

Type: Tool

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### Proper Citation

WEBQTL (RRID:SCR\_009072)

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### Resource Information

**URL:** <http://www.genenetwork.org/webqtl/main.py>

**Proper Citation:** WEBQTL (RRID:SCR\_009072)

**Description:** An interactive web site useful for exploring the genetic modulation of thousands of phenotypes gathered over a 30-year period by hundreds of investigators using reference panels of recombinant inbred strains of mice. WebQTL includes dense error-checked genetic maps, as well as extensive gene expression data sets (Affymetrix) acquired across more than 35 strains of mice. WebQTL accepts user-entered traits for BXD, AXB/BXA, CXB, BXH, AKXD recombinant inbred strains. (entry from Genetic Analysis Software)

**Abbreviations:** WEBQTL

**Resource Type:** software resource, software application

**Keywords:** gene, genetic, genomic, c++, and, python, all via internet

**Funding:**

**Resource Name:** WEBQTL

**Resource ID:** SCR\_009072

**Alternate IDs:** nlx\_154066

**Old URLs:** <http://www.webqtl.org/search.html>

**Record Creation Time:** 20220129T080250+0000

**Record Last Update:** 20250411T055249+0000

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## Ratings and Alerts

No rating or validation information has been found for WEBQTL.

No alerts have been found for WEBQTL.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 44 mentions in open access literature.

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

Pan L, et al. (2023) IGF1 is a master driver of microglia homeostasis and resolution of neuroinflammation in glaucoma and brain tauopathy. *Cell reports*, 42(8), 112889.

Bajpai AK, et al. (2023) Exploring the Regulation and Function of Rpl3l in the Development of Early-Onset Dilated Cardiomyopathy and Congestive Heart Failure Using Systems Genetics Approach. *Genes*, 15(1).

Zhang W, et al. (2021) Therapy Strategy of CD47 in Diffuse Large B-Cell Lymphoma (DLBCL). *Disease markers*, 2021, 4894022.

Brown A, et al. (2020) The lifespan quantitative trait locus gene Securin controls hematopoietic progenitor cell function. *Haematologica*, 105(2), 317.

Gao J, et al. (2020) Exploring the Role of Chemokine Receptor 6 (Ccr6) in the BXD Mouse Model of Gulf War Illness. *Frontiers in neuroscience*, 14, 818.

Zhu Y, et al. (2020) System biology analysis reveals the role of voltage-dependent anion channel in mitochondrial dysfunction during non-alcoholic fatty liver disease progression into hepatocellular carcinoma. *Cancer science*, 111(11), 4288.

Zheng QY, et al. (2020) An Age-Related Hearing Protection Locus on Chromosome 16 of BXD Strain Mice. *Neural plasticity*, 2020, 8889264.

Goudriaan A, et al. (2020) Genetic Variation in CNS Myelination and Functional Brain Connectivity in Recombinant Inbred Mice. *Cells*, 9(9).

Cai R, et al. (2020) Pex3 is involved in the genetic regulation of Nr3c2 expression in the amygdala of mice. *Psychiatry research*, 285, 112760.

Ashbrook DG, et al. (2019) A Cross-Species Systems Genetics Analysis Links APBB1IP as a Candidate for Schizophrenia and Prepulse Inhibition. *Frontiers in behavioral neuroscience*, 13, 266.

Yagensky O, et al. (2019) Increased expression of heme-binding protein 1 early in Alzheimer's disease is linked to neurotoxicity. *eLife*, 8.

Mesner LD, et al. (2019) Mouse genome-wide association and systems genetics identifies Lhfp as a regulator of bone mass. *PLoS genetics*, 15(5), e1008123.

Neuner SM, et al. (2019) Identification of Pre-symptomatic Gene Signatures That Predict Resilience to Cognitive Decline in the Genetically Diverse AD-BXD Model. *Frontiers in genetics*, 10, 35.

Stafford AM, et al. (2019) Taar1 gene variants have a causal role in methamphetamine intake and response and interact with Oprm1. *eLife*, 8.

Cui J, et al. (2018) Potential effect on molecular pathways in different targeted genes in the VEGF family in retina - From the genomic point of view. *Experimental eye research*, 176, 78.

Cui J, et al. (2018) Data sets of eQTL loci, correlation analysis, and overlapped genes among gene sets that their expression levels are closely related to genes of Vegf family. *Data in brief*, 20, 1854.

Liu J, et al. (2018) Identification of quantitative trait loci associated with the susceptibility of mouse spermatozoa to cryopreservation. *The Journal of reproduction and development*, 64(2), 117.

Cao Y, et al. (2018) Sex Differences in Correlation with Gene Expression Levels between Ifi200 Family Genes and Four Sets of Immune Disease-Relevant Genes. *Journal of immunology research*, 2018, 1290814.

Wang X, et al. (2017) Systems Phytohormone Responses to Mitochondrial Proteotoxic Stress. *Molecular cell*, 68(3), 540.

Boutilier JK, et al. (2017) Gene Expression Networks in the Murine Pulmonary Myocardium Provide Insight into the Pathobiology of Atrial Fibrillation. *G3 (Bethesda, Md.)*, 7(9), 2999.