

Resource Summary Report

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WEBQTL

RRID:SCR_009072

Type: Tool

Proper Citation

WEBQTL (RRID:SCR_009072)

Resource Information

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

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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 application, software resource

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

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: 20260727T040443+0000

Ratings and Alerts

No rating or validation information has been found for WEBQTL.

No alerts have been found for WEBQTL.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 46 mentions in open access literature.

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

Orgil BO, et al. (2025) Unraveling the genetic blueprint of doxorubicin-induced cardiotoxicity through systems genetics approaches. Cardio-oncology (London, England), 11(1), 53.

Wang C, et al. (2025) HOGA1 Suppresses Renal Cell Carcinoma Growth via Inhibiting the Wnt/??-Catenin Signalling Pathway. Journal of cellular and molecular medicine, 29(6), e70490.

Pan L, et al. (2023) IGFBPL1 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.

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

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.

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.

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

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.

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.