

# Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

## R/QTL

RRID:SCR\_009085

Type: Tool

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### Proper Citation

R/QTL (RRID:SCR\_009085)

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### Resource Information

**URL:** <http://www.rqtl.org>

**Proper Citation:** R/QTL (RRID:SCR\_009085)

**Description:** Software program for mapping quantitative trait loci in experimental crosses.  
(entry from Genetic Analysis Software)

**Abbreviations:** R/QTL

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

**Defining Citation:** [DOI:10.1093/bioinformatics/btg112](https://doi.org/10.1093/bioinformatics/btg112)

**Keywords:** gene, genetic, genomic, c and r, unix, ms-windows, macos

**Resource Name:** R/QTL

**Resource ID:** SCR\_009085

**Alternate IDs:** OMICS\_07093, nlx\_154097

**Alternate URLs:** <https://sources.debian.org/src/r-cran-qtl/>

**Record Creation Time:** 20220129T080251+0000

**Record Last Update:** 20260810T040456+0000

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### Ratings and Alerts

No rating or validation information has been found for R/QTL.

No alerts have been found for R/QTL.

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### Data and Source Information

## Usage and Citation Metrics

We found 1008 mentions in open access literature.

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

Pan K, et al. (2026) Lysine methylation-mediated SMYD2 degradation by casticin sensitizes non-small-cell lung cancer cells to osimertinib therapy. *Biochemical pharmacology*, 243(Pt 2), 117562.

Rahnamae N, et al. (2026) Contemporary hybridization among Arabis floodplain species creates opportunities for adaptation. *The New phytologist*, 249(3), 1542.

Alladassi BME, et al. (2026) Persistent and transient QTLs underlying growth trajectory of plant height in sorghum. *Journal of experimental botany*, 77(10), 2925.

Arends D, et al. (2026) Dynamics of genetic and somatic trade-offs in ageing and mortality. *Nature*, 654(8118), 437.

Nguyen DT, et al. (2026) QTL mapping of oat crown rust resistance in Australian fields and identification of a seedling resistance locus in oat line GS7. *TAG. Theoretical and applied genetics. Theoretische und angewandte Genetik*, 139(1), 41.

Bernasconi Z, et al. (2026) Virulence on Pm4 kinase-based resistance is determined by two divergent wheat powdery mildew effectors. *Nature plants*, 12(1), 164.

Osuna-Caballero S, et al. (2026) Dissecting Vegetative Period Into Its Phenotypic and Genotypic Components Allows Environment-Specific Breeding in Lentil (*Lens culinaris* Medik). *Physiologia plantarum*, 178(1), e70729.

Dramé D, et al. (2026) Genetic architecture of cowpea domestication: QTL mapping and comparison shed new light on the dual domestication events. *G3 (Bethesda, Md.)*, 16(1).

Dvorak E, et al. (2026) Parallel adaptation and admixture drive the evolution of virulence in the grapevine downy mildew pathogen. *PLoS pathogens*, 22(3), e1014041.

Durkin SM, et al. (2026) Regionally specific and highly pleiotropic loci together mediate skeletal evolution in tropical and temperate house mice. *Genetics*, 233(2).

Powers AK, et al. (2026) Genetic Mapping of Orofacial Traits Reveals a Single Genomic Region Associated With Differences in Multiple Parameters of Jaw Size Between *Astyanax mexicanus* Surface and Cavefish. *Evolution & development*, 28(1), e70003.

Maniruzzaman , et al. (2026) QTL analysis uncovers the genetic architecture of resistance to chocolate spot disease caused by four *Botrytis* species on faba bean. *BMC plant biology*, 26(1).

Feng Q, et al. (2026) Fruit weight regulation by a paralog of Cell Size Regulator (CSR) in tomato and other crops. *TAG. Theoretical and applied genetics. Theoretische und*

angewandte Genetik, 139(3).

Dieudonné S, et al. (2026) Natural variation in *Arabidopsis* uncouples leaf and flower development and reveals massive transcriptomic heterochrony. *Journal of experimental botany*, 77(8), 2328.

Tomihara K, et al. (2026) Cis-regulatory evolution of Wnt family genes contributes to a morphological difference between silkworm species. *PLoS biology*, 24(3), e3003605.

Kudoh A, et al. (2026) Whole-genome sequencing reveals a possible molecular basis of sex determination in the dioecious wild yam *Dioscorea tokoro*. *PLoS genetics*, 22(4), e1012123.

Shioya N, et al. (2026) Loss-of-function allele of the soybean flowering/maturation gene TOF11 increases free amino acid content at the edamame stage and improves eating quality. *TAG. Theoretical and applied genetics. Theoretische und angewandte Genetik*, 139(4).

Ontoy J, et al. (2026) Characterization of resistance to bacterial panicle blight in rice revealed by transcriptome and QTL mapping analyses. *Frontiers in plant science*, 17, 1857873.

Reynard JS, et al. (2025) A divergent haplotype with a large deletion at the berry color locus causes a white-skinned phenotype in grapevine. *Horticulture research*, 12(6), uhaf069.

Wright D, et al. (2025) Domestication effects on crowing in chickens: variation between wild and captive red junglefowl and domestic white Leghorn and the genetic architecture of crowing vocalizations. *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*, 380(1926), 20240199.