

Resource Summary Report

Generated by [ASWG](#) on Aug 21, 2026

R/QTL

RRID:SCR_009085

Type: Tool

Proper Citation

R/QTL (RRID:SCR_009085)

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: 20260821T193858+0000

Ratings and Alerts

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

No alerts have been found for R/QTL.

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 [ASWG](#) .

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.

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

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

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

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).

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.

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.

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

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.

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.

Liu JN, et al. (2025) Pan-genome analyses of 11 *Fraxinus* species provide insights into salt adaptation in ash trees. *Plant communications*, 6(1), 101137.

Arends D, et al. (2025) Genetic Modulation of Lifespan: Dynamic Effects, Sex Differences, and Body Weight Trade-offs. *bioRxiv : the preprint server for biology*.