Resource Summary Report

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C.M. Rick Tomato Genetic Resources Center

RRID:SCR_014954
Type: Tool

Proper Citation

C.M. Rick Tomato Genetic Resources Center (RRID:SCR_014954)

Resource Information

URL: http://tgrc.ucdavis.edu/

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Description: Genebank of wild relatives, monogenic mutants and miscellaneous genetic stocks of tomato. TGRC offers seed samples for free to researchers worldwide.

Abbreviations: TGRC

Synonyms: C.M. Rick Tomato Genetic Resources Center (TGRC), Tomato Genetic Resources Center

Resource Type: biomaterial supply resource, material resource, organism supplier

Keywords: tomato, tomato genetics, solanum, lycopersicon, seed germination, monogenic mutants, genebank, FASEB list

Funding: UC Davis ;
USDA ;
California Tomato Research Institute ;
TGRC endowment

Availability: Free, Available to the research community

Resource Name: C.M. Rick Tomato Genetic Resources Center

Resource ID: SCR_014954

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260912T195823+0000

Ratings and Alerts

No rating or validation information has been found for C.M. Rick Tomato Genetic Resources Center.

No alerts have been found for C.M. Rick Tomato Genetic Resources Center.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 113 mentions in open access literature.

Listed below are recent publications. The full list is available at Kravitz .

Weiss D, et al. (2026) Control of tomato brown rugose fruit virus (ToBRFV) in tomato plants using in vivo synthesized dsRNA. Journal of experimental botany, 77(3), 865.

Weng L, et al. (2026) Compound Inflorescence (S) represses fruit growth and seed development in tomato. Molecular horticulture, 6(1), 5.

Liu X, et al. (2026) Low Dosage of ABA Enhances Arbuscule Formation and Recovers the Inhibitory Effect of Low pH on This Process. Plant-environment interactions (Hoboken, N.J.), 7(2), e70124.

Xu C, et al. (2025) SlSPL15: A Negative Regulator Targeted by SlmiR156a Participates in Regulating the Light-Induced Anthocyanin Biosynthesis of Aft Tomato Fruits. Physiologia plantarum, 177(5), e70471.

Zinger A, et al. (2025) Contribution of the tobamovirus resistance gene Tm-1 to control of tomato brown rugose fruit virus (ToBRFV) resistance in tomato. PLoS genetics, 21(5), e1011725.

Jin J, et al. (2025) Evolutionary diversification of acyl-CoA synthetases underpins hydrophobic barrier formation across diverse tomato tissues and beyond. Horticulture research, 12(8), uhaf114.

Li S, et al. (2025) Ripening-induced defence signalling in Botrytis cinerea-infected tomato fruits involves activation of ERF.F4 by a MYC2-NOR/RIN protein complex. Plant biotechnology journal, 23(9), 4126.

Mahmoud AMA, et al. (2025) Grafting Tomato 'Nairouz F1' onto Interspecific Hybrids for Induced Antibiosis and Antixenosis Resistance to Tetranychus urticae Koch via Chlorogenic Acid Synthesis. BMC plant biology, 25(1), 295.

Silva-Arias GA, et al. (2025) Patterns of presence-absence variation of NLRs across populations of Solanum chilense are clade-dependent and mainly shaped by past demographic history. The New phytologist, 245(4), 1718.

Zhang Y, et al. (2025) Manipulation of artificial light environment improves plant biomass and fruit nutritional quality in tomato. Journal of advanced research, 75, 79.

Chen Y, et al. (2025) Ethylene response factor SlERF.D6 promotes ripening in part through transcription factors SlDEAR2 and SlTCP12. Proceedings of the National Academy of Sciences of the United States of America, 122(7), e2405894122.

Brabham HJ, et al. (2025) Discovery of functional NLRs using expression level, high-throughput transformation and large-scale phenotyping. Nature plants, 11(10), 2100.

Einspanier S, et al. (2025) Co-option of transcription factors drives evolution of quantitative disease resistance against a necrotrophic pathogen. The Plant cell, 37(10).

Lu X, et al. (2025) A feedback loop at the THERMOSENSITIVE PARTHENOCARPY 4 locus controls tomato fruit set under heat stress. Nature communications, 16(1), 4184.

Fonseca R, et al. (2024) Insights into the functional role of tomato TM6 as a transcriptional regulator of flower development. Horticulture research, 11(3), uhae019.

Wang JH, et al. (2024) MdWRKY31-MdNAC7 regulatory network: orchestrating fruit softening by modulating cell wall-modifying enzyme MdXTH2 in response to ethylene signalling. Plant biotechnology journal, 22(12), 3244.

Zhu C, et al. (2024) SlCPK27 cross-links SlHY5 and SlPIF4 in brassinosteroid-dependent photo- and thermo-morphogenesis in tomato. Proceedings of the National Academy of Sciences of the United States of America, 121(36), e2403040121.

Postiglione AE, et al. (2024) Flavonols improve tomato pollen thermotolerance during germination and tube elongation by maintaining reactive oxygen species homeostasis. The Plant cell, 36(10), 4511.

Davoudi M, et al. (2024) Protocol for collecting xylem sap from drought-treated tomato plants using a pressure chamber. STAR protocols, 5(3), 103211.

Han H, et al. (2024) Chromosome-level genome assembly of Solanum pimpinellifolium. Scientific data, 11(1), 577.