

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pU6-Universal

RRID:Addgene_52694

Type: Plasmid

Proper Citation

RRID:Addgene_52694

Plasmid Information

URL: <http://www.addgene.org/52694>

Proper Citation: RRID:Addgene_52694

Insert Name: Cas9

Organism: Synthetic

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:2736; Vector Backbone:pX330; Vector Types:CRISPR, Toxoplasma gondii; Bacterial Resistance:Ampicillin

Comments: Cong L, Ran FA, Cox D, Lin S, Barretto R, et al. (2013) Multiplex genome engineering using CRISPR/Cas systems. Science 339: 819–823. doi:10.1126/science.1231143.

Plasmid Name: pU6-Universal

Record Creation Time: 20220422T222309+0000

Record Last Update: 20260815T081630+0000

Ratings and Alerts

No rating or validation information has been found for pU6-Universal.

No alerts have been found for pU6-Universal.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Hänggeli KPA, et al. (2025) Pleiotropic Effects on Tachyzoite and Host Cell Proteomes in Knock-Out Clones of the Open Reading Frames 297720 and 319730 Constitutively Expressed in *T. gondii* ShSp1 Tachyzoites. *International journal of molecular sciences*, 26(21).

Renaud EA, et al. (2025) The HCF101 protein is an important component of the cytosolic iron-sulfur synthesis pathway in *Toxoplasma gondii*. *PLoS biology*, 23(2), e3003028.

Eberhard JN, et al. (2025) Immune targeting and host-protective effects of the latent stage of *Toxoplasma gondii*. *Nature microbiology*, 10(4), 992.

Amieva R, et al. (2025) NcROP2 deletion reduces *Neospora caninum* virulence by altering parasite stage differentiation and hijacking host immune response. *Frontiers in immunology*, 16, 1617570.

Sanchez SG, et al. (2025) TgGloL is an atypical glyoxalase/VOC domain-containing apicoplast protein that is important for the growth of *Toxoplasma*. *Molecular biology of the cell*, 36(3), ar32.

Bauwens CN, et al. (2025) *Toxoplasma gondii* AAP7 is essential for functionally connecting the IMC embedded apical annuli to the plasma membrane. *bioRxiv : the preprint server for biology*.

Usey MM, et al. (2024) The *Toxoplasma gondii* homolog of ATPase inhibitory factor 1 is critical for mitochondrial cristae maintenance and stress response. *bioRxiv : the preprint server for biology*.

Tachibana Y, et al. (2024) CRISPR screens identify genes essential for in vivo virulence among proteins of hyperLOPIT-unassigned subcellular localization in *Toxoplasma*. *mBio*, 15(9), e0172824.

Usey MM, et al. (2023) ATP synthase-associated coiled-coil-helix-coiled-coil-helix (CHCH) domain-containing proteins are critical for mitochondrial function in *Toxoplasma gondii*. *mBio*, 14(5), e0176923.

Paredes-Santos TC, et al. (2023) Genome-wide CRISPR screen identifies genes synthetically lethal with GRA17, a nutrient channel encoding gene in *Toxoplasma*. *PLoS pathogens*, 19(7), e1011543.

Sokol-Borrelli SL, et al. (2023) A transcriptional network required for bradyzoite development in *Toxoplasma gondii* is dispensable for recrudescence disease. *Nature communications*, 14(1), 6078.

Ferrel A, et al. (2023) Host MOSPD2 enrichment at the parasitophorous vacuole membrane varies between *Toxoplasma* strains and involves complex interactions. *mSphere*, 8(4), e0067022.

Tachibana Y, et al. (2023) Host genetics highlights IFN- γ -dependent Toxoplasma genes encoding secreted and non-secreted virulence factors in in vivo CRISPR screens. Cell reports, 42(6), 112592.

Rico-San Román L, et al. (2022) NcGRA7 and NcROP40 Play a Role in the Virulence of Neospora caninum in a Pregnant Mouse Model. Pathogens (Basel, Switzerland), 11(9).

Pamukcu S, et al. (2021) Differential contribution of two organelles of endosymbiotic origin to iron-sulfur cluster synthesis and overall fitness in Toxoplasma. PLoS pathogens, 17(11), e1010096.

Waldman BS, et al. (2020) Identification of a Master Regulator of Differentiation in Toxoplasma. Cell, 180(2), 359.

Harding CR, et al. (2020) Genetic screens reveal a central role for heme metabolism in artemisinin susceptibility. Nature communications, 11(1), 4813.

Albuquerque-Wendt A, et al. (2020) C-Mannosylation of Toxoplasma gondii proteins promotes attachment to host cells and parasite virulence. The Journal of biological chemistry, 295(4), 1066.

Engelberg K, et al. (2020) The apical annuli of Toxoplasma gondii are composed of coiled-coil and signalling proteins embedded in the inner membrane complex sutures. Cellular microbiology, 22(1), e13112.

Mukhopadhyay D, et al. (2020) Toxoplasma GRA15 and GRA24 are important activators of the host innate immune response in the absence of TLR11. PLoS pathogens, 16(5), e1008586.