Mosquito Species Strain	Resistance Info	Collection location	Year colonized	Collector	Colony Location	Contact	Support references
Aedes aegypti							
ROCK MRA-734	**Susceptible to**: Pyrethroids Organophosphates Bti Methoprene **Resistant to**: NA **Mechanism**: NA	Havana, Cuba	NA	See support reference	BEI Resources, Cornell University, others	BEI Resources	Kuno et al 2010
Thai	**Susceptible to**: unknown **Resistant to**: Pyrethroids? **Mechanism**: NA	Nakhon Ratchasima Province, Thailand	NA	Alongkot (Boi) Ponlawat	Cornell University	Harrington Lab	
ORL1952 (Orlando)	**Susceptible to**: Pyrethroids Organophosphates Bti Methoprene **Resistant to**: NA **Mechanism**: NA	Orlando, FL, USA	NA	USDA Gainesville, FL	USDA-CMAVE, Cornell University, others	Edmund Norris (Edmund.Norris@usda.gov) Alden Estep (alden.estep@usda.gov)	
LVP-IB12	**Susceptible to**: unknown **Resistant to**: NA **Mechanism**: NA	Liverpool, England and backcross	NA	See support reference	BEI Resources, others	BEI Resources	BEI Resources
Vero	**Susceptible to:** Pyrethroids **Resistant to**: NA **Mechanism**: NA	Vero Beach, FL, USA	2021	Barry Alto	Florida Medical Entomology Laboratory	Eric Caragata (e.caragata@ufl.edu)	
Palmetto	**Susceptible to:** Pyrethroids **Resistant to**: NA **Mechanism**: NA	Palmetto, FL, USA	2019	Eva Buckner	Florida Medical Entomology Laboratory	Eric Caragata (e.caragata@ufl.edu)	
REX-D	**Susceptible to:** Pyrethroids Organophosphates	Bayamón, Puerto Rico (Rexville)	NA	CDC Dengue Branch, Puerto Rice	Puerto Rico Vector Control Unit; CDC	Joanelis Medina Quintana (jomedina@prvectorcontrol.org)	McDuffie et al 2025

Mosquito Species Strain	Resistance Info	Collection location	Year colonized	Collector	Colony Location	Contact	Support references
	Resistant to: NA **Mechanism**: NA				Dengue Branch P.R; others.		
Aedes albopictus							
Lake Charles	**Susceptible to**: Pyrethroids Organophosphates Bti Methoprene **Resistant to**: NA **Mechanism**: NA	Lake Charles, LA, USA	NA	Roger Nasci (CDC)	CDC, Cornell University	Casey Crockett (ab73@cdc.gov)	
Hahajima Japan	**Susceptible to**: Pyrethroids Organophosphates Bti Methoprene **Resistant to**: NA **Mechanism**: NA	Oki Port, Hahajima Island, Ogasawara, Japan		Yoshihide Maekawa and Dr. Shinji Kasai (Department of Medical Entomology, National Institute of Infectious Diseases Japan)	Cornell University	Harrington Lab	
ATM-NJ95	**Susceptible to**: Pyrethroids Organophosphates Bti Methoprene **Resistant to**: NA **Mechanism**: NA	Keyport, NJ, USA	1995	Wayne Crans/Rutgers University	BEI Resources, Rutgers CVB	BEI Resources	Marcombe et al 2014
North Shore	**Susceptible to**: Pyrethroids Organophosphates Pyriproxyfen Spinosad **Resistant to**: S-	Skokie and Evanston, IL, USA	2025 (new wild type mosquitoes added	Kristina Lopez/North Shore Mosquito Abatement District	North Shore Mosquito Abatement District, Northfield, IL	Kristina Lopez	

Mosquito Species Strain	Resistance Info	Collection location	Year colonized	Collector	Colony Location	Contact	Support references
	methoprene (no continued exposure) **Mechanism**: NA		every year)				
IRC	**Susceptible to:** NA **Resistant to**: NA **Mechanism**: NA	Indian River County, FL, USA	2020	Barry Alto	Florida Medical Entomology Laboratory	Eric Caragata (e.caragata@ufl.edu)	
MAN	**Susceptible to:** NA **Resistant to**: NA **Mechanism**: NA	Manassas, VA, USA	2018	Georgetown University	Ohio State University	meuti.1@osu.edu	Batz et al 2017
Aedes triseriatus							
MSU	**Susceptible to:** NA **Resistant to**: NA **Mechanism**: NA	Toumey Woods, MSU, MI, USA	1988	Ned Walker	Western Carolina University	bdbyrd@email.wcu.edu	Munstermann, L. E., and L. M. Wasmuth, 1985 Aedes triseriatus, pp. 15–24 in Handbook of Insect Rearing, Vol. 2, edited by P. Singh and R. F. Moore. Elsevier Science, Amsterdam
Anopheles coluzzii							
N'Gousso	**Susceptible to**: Pyrethroids Organophosphates Carbamates DDT **Resistant to**: NA **Mechanism**: NA	Yaounde, Cameroon	2006	BEI Resources	BEI Resources, UNLV-PARAVEC	BEI Resources, UNLV-PARAVEC	

Mosquito Species Strain	Resistance Info	Collection location	Year colonized	Collector	Colony Location	Contact	Support references
Anopheles stephensi							
Indian strain	**Susceptible to**: unknown **Resistant to**: unknown **Mechanism**: NA	India	Decades ago	Walter Reed Army Institute of Research, Washington, DC	University of Idaho	sluckhart@uidaho.edu	Genome sequence from this strain is here: https://link.springer.com/article/10.1186/s13059-014-0459-2
STE2 MRA-128	**Susceptible to:** Malathion (larvae) Ivermectin (adults) Isoxazoline drugs (larvae + adults) **Resistant to**: NA **Mechanism**: NA	Delhi, India	NA	NA	University of North Dakota since 2001	Jefferson.vaughan@und.edu	
Culex pipiens							
SLC2016	**Susceptible to**: Pyrethroids Organophosphates Bti Methoprene **Resistant to**: L. sphaericus **Mechanism**: NA	Salt Lake City, UT, USA	2016	Greg White (Salt Lake City Mosquito Abatement District)	SLCMAD	SCLMAD	Su et al 2018
SFB CA	**Susceptible to**: Pyrethroids Organophosphates Bti L. sphaericus Methoprene **Resistant to**: NA **Mechanism**: NA	San Francisco Bay Area, CA, USA		Tianyun Steven Su (West Valley Mosquito and Vector Control District, Ontario, CA)	Cornell University	Harrington Lab	

Mosquito Species Strain	Resistance Info	Collection location	Year colonized	Collector	Colony Location	Contact	Support references
WCP	**Susceptible to**: NA **Resistant to**: Pyrethroids Spinosad Methoprene **Mechanism**: TBD	Woodland, CA, USA	2017, field collected annually	Sacramento-Yolo Mosquito and Vector Control District (SacYolo)	SacYolo	Sarah Wheeler (swheeler@fightthebite.net)	
Iowa	**Susceptible to**: Pyrethroids Organophosphates S-methoprene Pyriproxyfen Spinosad L. sphaericus **Resistant to**: NA **Mechanism**: NA	Aimes, IA, USA	2002	Lyric Bartholomay/ Wayne Rowley	University of Wisconsin-Madison	Bartholomay Lab	Tiawsirisup S et al 2004 Lopez K et al 2025 Burgess ER et al 2022 Lopez K et al 2026 Lopez K et al 2025 Lopez K et al 2024
NA	**Susceptible to:** Malathion (larvae) Isoxazoline drugs (larvae + adults) **Resistant to**: NA **Mechanism**: NA	Larimer County, CO, USA	2009	NA	University of North Dakota	Jefferson.vaughan@und.edu	
Buckeye	**Susceptible to:** NA **Resistant to**: NA **Mechanism**: NA	Columbus, OH, USA	2000 2013 2021	Megan Meuti	Ohio State University	meuti.1@osu.edu	Robich and Denlinger 2005
Culiseta melanura							
Cape May	**Susceptible to**: Pyrethroids Organophosphates Methoprene **Resistant to**: NA **Mechanism**: NA	Cape May, NJ, USA		Farida Mahmood (Rutgers University)	CT Agricultural Experiment Station (CAES) & Cornell University	John Shepherd (CAES)	

Mosquito Species Strain	Resistance Info	Collection location	Year colonized	Collector	Colony Location	Contact	Support references
Culex quinquefasciatus							
CQ1	**Susceptible to**: Pyrethroids Organophosphates Bti Spinosad Methoprene **Resistant to**: NA **Mechanism**: NA	Madera, CA, USA	circa 1950		Sacramento -Yolo Mosquito and Vector Control District	Sarah Wheeler (swheeler@fightthebite.net)	McAbee RD et al 2004
Sebring	**Susceptible to**: Pyrethroids Organophosphates Bti Spinosad Methoprene **Resistant to**: NA **Mechanism**: NA	Florida, USA	1988		Sacramento -Yolo Mosquito and Vector Control District	Sarah Wheeler (swheeler@fightthebite.net)	Kent RJ et al 2010
JHB	**Susceptible to**: Pyrethroids (+ or - PBO), Temephos, Carbamates, Spinosad, Organophosphates, Naleed Bti Methoprene **Resistant to**: NA **Mechanism**: NA	Johannesburg, South Africa	2000	BEI Resources	BEI Resources, UNLV-PARAVEC	BEI Resources, UNLV-PARAVEC	
CanyonGate	**Susceptible to**: Temephos, Spinosad, Malathion **Resistant to**: Pyrethroids (+ or - PBO) **Mechanism**: TBD	Canyongate, Clark County, NV, USA	2026	UNLV-PARAVEC	UNLV-PARAVEC	UNLV-PARAVEC	

Mosquito Species Strain	Resistance Info	Collection location	Year colonized	Collector	Colony Location	Contact	Support references
Cq.IRC	**Susceptible to:** Pyrethroids **Resistant to**: NA **Mechanism**: NA	Indian River County, FL, USA	2021	Barry Alto	Florida Medical Entomology Laboratory	Eric Caragata (e.caragata@ufl.edu)	Alomar et al 2023
Culex tarsalis							
KNWR	**Susceptible to**: Pyrethroids Organophosphates Spinosad Methoprene **Resistant to**: NA **Mechanism**: NA	Kern National Wildlife Refuge, CA, USA	2004	William K. Reisen/ University of California, Davis	Sacramento -Yolo Mosquito and Vector Control District	Sarah Wheeler (swheeler@fightthebite.net)	Reisen WK et al 2005
YBCT	**Susceptible to**: NA **Resistant to**: Pyrethroids Malathion **Mechanism**: NA	Yolo Bypass Wildlife Area, Davis, CA, USA	2020, field collected from the same area added every year.	Sacramento-Yolo Mosquito and Vector Control District	Sacramento -Yolo Mosquito and Vector Control District	Sarah Wheeler (swheeler@fightthebite.net)	
Culex pipiens/quinqs/molestus							
North Shore	**Susceptible to**: NA **Resistant to**: Pyrethroids S-methoprene Pyriproxyfen Spinosad (no continued exposure) **Mechanism**: NA	Skokie, IL, USA	2025 (wild type mosquitoes added every year)	Kristina Lopez/North Shore Mosquito Abatement District	North Shore Mosquito Abatement District, Northfield, IL	Kristina Lopez	Lopez K, et al 2026 Lopez K, et al 2025 Lopez K et al 2024