



Mosquitos de medical importance for transmitting arthropod borne pathogens

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Genus ¹	Species ¹	Habitat	Pathogens transmitted ³	Distribution
Aedes	aegypti	Artificial water containers in peridomestic or domestic settings	BUNV, CVV, EEEV, JEV, LACV, YFV, DENV, CHIKV, ZIKV, MAYV, MBGV, MEBV, RESV, RVFV, SFV, SINV, VEEV, VSIV, WNV, Plasmodium spp.	Worldwide except Greenland, Russia and eastern Europe
	albopictus	Naturally prefer phytotelmis, high ecological plasticity leads to use of urban or suburban artificial water reservoirs	CVV, CHIKV, DENV, EEEV, WNV, YFV, ZIKV, JEV, LACV, SFV, VEEV, WEEV, Plasmodium spp.	Worldwide except many African countries and some countries in Central Asia
	atlanticus	Bottomland swamp floodwaters	KEYV, WNV, EEEV, TVTV	Guatemala, Mexico and USA
	atropalpus	Riverine floodwaters	EEEV, JEV, MVEM, VEEV, WEEV, LACV, SLEV, WNV, Plasmodium spp.	North and Central America, Venezuela, Paraguay, France, Italy and Netherlands
	camptorhynchus	Coastal brackish waters, brackish swamps, natural pools and lagoons and drainage ditches	RRV	Australia and Pacific Islands
	canadensis ²	Temporary shaded woodland pools	BUNV, HJV, JCV, KEYV, EEEV, WNV, RVFV, SSHV, <i>Dirofilaria immitis</i>	Canada, Dominican Republic, Mexico and United States.
	cantator	Tidal salt marsh floodwaters	EEEV, JCEV, WNV	Eastern United States
	cataphylla	Open meadows	JCV	Northwestern Canada and United States
	cinereus	Freshwater cedar forest, bog and swamp floodwaters	BUNV, CEV, EEEV, JCV, SINV, WNV, CHIKV, CVV, DENV, JEV, KEYV, LACV, MVEV, RRV, RVFV, SFV, SINV, SLEV, TVTV, VEEV, YFV, ZIKV	North America and Europe
	dorsalis ²	Tidal salt marsh, coastal wetland and pothole floodwaters	BAV, CEV, CVV, GLOV, HPV, LNV, LLSV, SLEV, VRV, WEEV, WNV	Northern hemisphere except Alaska, Greenland and arctic.
	fulvus	Temporary forest pools and dark peridomestic artificial water containers	VEEV, WNV	Southeastern United States
	grossbecki	Flooded woodlands	WNV	Southeastern United States
	hensilli	Natural temporary water containers and dark peridomestic artificial water containers	ZIKV	Polynesia
	hesperonotus	Natural temporary water containers	LACV, Plasmodium spp.	Australia
	infirmatus	Bottomland swamp floodwaters	CEV, KEYV, TVTV, WNV, WEE, EEEV,	Guatemala, Honduras, Salvador, Mexico and continental USA
	intrudens	Flooded woodlands	JCV	Northamerica, Europe and Northern Asia
	japonicus	Riverine floodwaters, containers and rock holes in shaded areas	CHIKV, CVV, DENV, EEEV, JBEV, LVC, ORUV, RVFV, SLEV, WEEV, WNV	Canada, most of Europe, Russia and China
	kochi	Plant axilla	EUBV, RRV, <i>Wuchereria bancrofti</i>	Australia and Polynesia
	melanimon ²	Agricultural flooded fields and rain pools.	CEV, WNV, WEEV, CVV, SLEV, LOKV, JSV, MDV	Canada, USA, Mexico and Panama
	mitchellae	Temporary rain-filled pools and puddles	EEEV, TENV	Southeastern and southcentral United States
	notoscriptus	Peridomestic natural and artificial water containers	RRV, CHIKV, DENV	Australia, New Zealand and Indonesia
	polynesiensis	Natural and human-associated freshwater pools	DENV, RRV, ZIKV, <i>Wuchereria bancrofti</i>	Australia and polynesia
	solicitans	Mangrove, tidal brackish and salt marsh floodwaters	WNV, CVV, EEEV, KEYV, RVFV, VEEV,	North America and Cuba
	squamiger	Tidal salt marsh and coastal wetland floodwaters	WNV	Mexico and USA
	sticticus	Vernal pool floodwaters	<i>Dirofilaria immitis</i>	Northern United States and Canada
	taeniorhynchus	Mangrove, tidal brackish and salt marsh floodwaters	CVV, EEEV, EVEV, GLV, KEYV, ORIV, PLAV, RVFV, TENV, TVTV, VEEV, WNV, WYOV and <i>Dirofilaria immitis</i>	America except Canada, Chile, Uruguay and Paraguay
	triseriatus	Freshwater cedar forest tree hole floodwaters	EEEV, WNV, CVV, JCV, LACV, POTV, RVFV, TVTV and <i>Dirofilaria immitis</i>	Northamerica and Cuba
	trivittatus	Meadow, swamp and woodland floodwaters	EEEV, LACV, TVTV, WEEV, WNV and <i>Dirofilaria immitis</i>	Northamerica, Honduras, Venezuela and Panama
	vexans	Freshwater cedar forest, pothole and playa floodwaters	WNV, EEEV, JEV, JCV, KEYV, POTV, SFV, SLEV, TVTV, VEEV, WEEV, ZIKV	North America, Europe and Asia, North Africa and Australia and Polynesia
	vigilax	Salt marsh floodwaters	JEV, MVEV, RRV, SINV, <i>Wuchereria bancrofti</i>	Australia, Indonesia and Southeast Asia
Anopheles	albimanus	Permanent and temporal floodwaters of coastal areas below 1000 m of altitude	CHIKV, SINV, SFV, TLAV, Plasmodium berghei, Plasmodium falciparum and Plasmodium vivax	Coastal Mexico, Central and South America
	crucians	Permanent or semipermanent bottomland swamps with acidic water	Plasmodium spp.	United States and Cuba
	darlingi	Stagnant water and regular floodwaters	Plasmodium spp., <i>Wuchereria bancrofti</i>	Mexico, Central and South America
	gambiae	Rain-dependent habitats including ground pools, quarries, puddles, tyres and hoofprints	ZIKV, Plasmodium spp. <i>Wuchereria bancrofti</i>	Sub-Saharan Africa, Arabian peninsula and Brazil
	pseudopunctipennis	Sunlit freshwater streams, pools and drainage ditches with abundant filamentous green algae	Plasmodium spp. CHIKV, SINV, SFV, TLAV.	Americas
	punctimacula	Vegetation rich, shaded margins of clear water streams or swamps	VEEV, Plasmodium spp.	Mexico, Central and South America
Culex	quadrifasciatus	Permanent bottomland swamps	ACAV, APEUV, BUNV, CARV, CATUV, CBV, CVV, CWV, EHDV, GMAV, GROV, KOTV, MAYV, MCOV, MODV, MURV, NTAV, ORIV, OROV, RBV, SFV, TENV, WNV, VEEV, ZEGV, <i>Dirofilaria immitis</i> , Plasmodium berghei, falciparum and vivax	Belize, Canada, Costa Rica, Cuba, Dominican Republic, Mexico, Panama, Puerto Rico and United States
	annulirostris	Urban and rural shaded clean, polluted, fresh or brackish water.	JEV, MVEV, RRV, <i>Wuchereria bancrofti</i>	Australia and polynesia
	erraticus	Permanent bottomland swamps	EEEV, SLEV, WNV and Plasmodium floridense	America except Chile, Greenland and Paraguay
	erythrothorax	Permanent constructed wetlands	WEEV, WNV	South-western United States
	nigripalpus	Permanent waters, ubiquitous in fresh water occasionally in brackish waters	EEEV, KEYV, SLEV, VEEV, VSV, WNV,	America except Canada
	pipiens	Permanent waters of constructed wetlands and playas	JEV, RVFV, LACV, SINV, SFV, TVTV, VEEV, WNV, <i>Wuchereria bancrofti</i>	North America, Chile and Argentina, Most Africa and Asia and Australia
	quinquefasciatus	Permanent waters of constructed wetlands and playas	CHIKV, CMV, EEEV, JEV, MVEV, RVFV, SFV, SLEV, VEEV, VSV, WNV, Plasmodium spp. <i>Wuchereria bancrofti</i>	Americas except Canada, most Africa and Asia, Australia and Polynesia
	restuans	Freshwater cedar forest flood or permanent waters	EEEV, HPV, MERV, SLEV and WNV	Northamerica, Honduras and Bahamas
Coquillettidia	salinarius	Permanent mangrove, tidal salt marsh and tidal brackish waters	EEEV, SFV, SLEV, TENV, UGVS and WNV	Northamerica, Bermuda and Bahamas
	tarsalis	Permanent potholes, playa and constructed wetlands	CEV, FLAV, GLOV, HPV, JCV, JSV, KEDV, LLSV, LOKV, MDV, MRV, NTAV, PGAV, RVFV, ROCV, SFV, SHOV, TURV, VEEV, WEEV, WNV, WSLV and Plasmodium spp.	Northamerica
	perturbans	Permanent tidal freshwaters, bottomland swamps and constructed wetlands	EEEV, TENV, TVTV and WNV	Northamerica
Culiseta	inornata	Permanent tidal salt or brackish marsh potholes	CEV, CVV, FMV, JCV, JBEV, JSV, MDV, SSHV, WEEV and WNV	Northamerica and Cuba
	melanura	Permanent bottomland swamps	EEEV, FLAV, FMV, HPV, SLEV, WEEV and WNV	Northamerica
	morsitans	Freshwater cedar forest flood or permanent waters	EEEV	Northern United States
Mansonia	titillans	Permanent constructed wetlands	BSQV, CABV, KRIV, SLEV, TLAV, TONV, VEEV, WNV and <i>Dirofilaria immitis</i>	America except Chile
Psorophora	ciliata	Rain-filled pools	SLEV, TENV, VEEV, WEEV and WNV	America
	ferox	Woodland, pothole floodwater	GROV, IREIV, ILHV, KRIV, MAGV, MAYV, ORIV, OROV, UNAV, VEEV, WNV and WYOV	America

Notes: 1.- Integrated Taxonomic Information System Report (<https://www.itis.gov/>) approved nomenclature.

2.- Nearctic Dorsalis Group can only be reliably distinguished using molecular techniques, expect confusing bionomic attributions of Ae. canadensis, Ae. campestris, Ae. dorsalis, Ae. melanimon.

3.- Virus acronyms based on The Walter Reed Biosystematics Unit (<https://www.wrbsi.edu/>).

