

TABLE 233-1 ZOOBOTIC ARTHROPOD- AND RODENT-BORNE VIRUSES THAT INFECT HUMANS

Virus Group	Virus (Abbreviation)	Principal Reservoir Host(s)	Vector(s)	Syndrome ^a
Alphaviruses (Barmah Forest serocomplex)	Barmah Forest virus (BFV)	Horses, marsupials	Biting midges (<i>Culicoides marksii</i>), mosquitoes (<i>Aedes camptorhynchus</i> , <i>A. normanensis</i> , <i>A. notoscriptus</i> , <i>A. vigilax</i> , <i>Culex annulirostris</i>)	A/R
Alphaviruses (Semliki Forest serocomplex)	Chikungunya virus (CHIKV)	Bats, nonhuman primates	Mosquitoes (<i>Aedes</i> , <i>Culex</i> spp.)	A/R ^b
	Mayaro virus (MAYV)	Nonhuman primates, possums, rodents	Mosquitoes (predominantly <i>Haemagogus</i> spp.)	A/R
	O'nyong-nyong virus (ONNV)	Unknown	Mosquitoes (in particular <i>Anopheles gambiae</i> , <i>A. funestus</i> , <i>Mansonia</i> spp.)	A/R
	Una virus (UNAV)	Birds, horses, rodents	Mosquitoes (<i>Aedes</i> , <i>Anopheles</i> , <i>Coquillettidia</i> , <i>Culex</i> , <i>Ochlerotatus</i> , <i>Psorophora</i> spp.)	F/M
	Ross River virus (RRV)	Macropods, rodents	Mosquitoes (<i>Aedes normanensis</i> , <i>A. vigilax</i> , <i>Culex annulirostris</i>)	A/R
Alphaviruses (eastern equine encephalitis serocomplex)	Eastern equine encephalitis virus (EEEV)	Freshwater swamp birds	Mosquitoes (<i>Aedes</i> , <i>Coquillettidia</i> , <i>Culex</i> spp.; <i>Culiseta melanura</i> , <i>Mansonia perturbans</i> , <i>Psorophora</i> spp.)	E
Alphaviruses (Venezuelan equine encephalitis serocomplex)	Everglades virus (EVEV)	Hispid cotton rats (<i>Sigmodon hispidus</i>)	Mosquitoes (<i>Culex cedecei</i>)	F/M, E
	Mucambo virus (MUCV)	Nonhuman primates, rodents	Mosquitoes (<i>Culex</i> , <i>Ochlerotatus</i> spp.)	F/M, E
	Tonate virus (TONV)	Suriname crested oropendolas (<i>Psarocolius decumanus</i>)	Mosquitoes (<i>Culex portesi</i>)	F/M, E
	Venezuelan equine encephalitis virus (VEEV)	Horses, rodents	Mosquitoes (<i>Aedes</i> , <i>Culex</i> spp.; <i>Psorophora confinnis</i>)	F/M, E
Alphaviruses (western equine encephalitis serocomplex)	Sindbis virus (SINV)	Birds	Mosquitoes (<i>Culex</i> , <i>Culiseta</i> spp.)	A/R
	Western equine encephalitis virus (WEEV)	Lagomorphs, passerine birds	Mosquitoes (<i>Culex tarsalis</i>)	E
Arenaviruses (Old World)	Lassa virus (LASV)	Natal multimammate mice (<i>Mastomys natalensis</i>)	None	F/M, VHF
	Lujo virus (LUJV)	Unknown	None	VHF
	Lymphocytic choriomeningitis virus (LCMV)	House mice (<i>Mus musculus</i>)	None	E, F/M, (VHF)
Arenaviruses (New World)	Chapare virus (CHPV)	Unknown	None	VHF
	Guanarito virus (GTOV)	Short-tailed zygodonts (<i>Zygodontomys brevicauda</i>)	None	VHF
	Junín virus (JUNV)	Drylands lauchas (<i>Calomys musculinus</i>)	None	VHF
	Machupo virus (MACV)	Big lauchas (<i>Calomys callosus</i>)	None	VHF
	Sabiá virus (SABV)	Unknown	None	VHF
	Whitewater Arroyo virus (WWAV) ^c	White-throated woodrats (<i>Neotoma albigula</i>)	None	(E)
Bunyaviruses (genus undetermined)	Bangui virus (BGIV)	Unknown	Unknown	F/M
	Gan Gan virus (GGV)	Unknown	Mosquitoes (<i>Aedes</i> , <i>Culex</i> spp.)	A/R
	Tataguine virus (TATV)	Unknown	Mosquitoes (<i>Anopheles</i> spp.)	F/M
	Trubanaman virus (TRUV)	Unknown	Mosquitoes (<i>Anopheles</i> , <i>Culex</i> spp.)	(A/R)
Coltivirus	Colorado tick fever virus (CTFV)	Bushy-tailed woodrats (<i>Neotoma cinerea</i>), Columbian ground squirrels (<i>Spermophilus columbianus</i>), deer mice (<i>Peromyscus maniculatus</i>), golden-mantled ground squirrels (<i>Spermophilus lateralis</i>), least chipmunks (<i>Tamias minimus</i>), North American porcupines (<i>Erethizon dorsata</i>), yellow pine chipmunks (<i>Tamias amoenus</i>)	Ixodid ticks (predominantly <i>Dermacentor andersoni</i>)	E, F/M
	Eyach virus (EYAV)	Lagomorphs, rodents	Ixodid ticks (<i>Ixodes ricinus</i> , <i>I. ventralloii</i>)	E, F/M
	Salmon River virus (SRV)	Unknown	Ixodid ticks (<i>Ixodes</i> spp.)	E, F/M
Flaviviruses (mosquito-borne)	Dengue viruses 1–4 (DENV 1–4)	Nonhuman primates	Mosquitoes (predominantly <i>Aedes aegypti</i> , <i>A. albopictus</i>)	F/M, VHF
	Japanese encephalitis virus (JEV)	Ardeid wading birds (in particular herons), horses, pigs	Mosquitoes (<i>Culex</i> spp., in particular <i>C. tritaeniorhynchus</i>)	E
	Kokobera virus (KOKV)	Macropods, horses	Mosquitoes (<i>Culex</i> spp.)	A/R
	Murray Valley encephalitis virus (MVEV)	Birds	Mosquitoes (predominantly <i>Culex annulirostris</i>)	E

(Continued)