

Data-driven identification of potential Zika virus vectors

Appendix 3: Primary Sources Used for Vector and Virus Traits

Michelle V. Evans Tad A. Dallas Barbara A. Han
Courtney C. Murdock John M. Drake

Table 1. Primary Sources for Mosquito Traits

Mosquito Species	Sources
<i>Aedeomyia africana</i>	(Robert et al. 1998a, Harbach 2015, Omondi et al. 2015)
<i>Aedeomyia catasticta</i>	(Harbach 2015, Jansen et al. 2009, Wright et al. 1981)
<i>Aedes abnormalis</i>	(Iwuala 1981)
<i>Aedes aegypti</i>	(Halstead 2008, Ramasamy et al. 2011)
<i>Aedes africanus</i>	(Haddow 1961)
<i>Aedes albopictus</i>	(Ramasamy et al. 2011)
<i>Aedes alternans</i>	(NSW Health 2016, Russell et al. 2013, Knight et al. 2012)
<i>Aedes argenteopunctatus</i>	(Harbach 2015, Fontenille et al. 1998)
<i>Aedes bancroftianus</i>	(NSW Health 2016, Russell 1986, Harbach 2015)
<i>Aedes bromeliae</i>	(Bennett et al. 2015, Beran 1994, Digoutte 1999)
<i>Aedes caballus</i>	(Harbach 2015, Steyn and Schulz 1955)
<i>Aedes canadensis</i>	(Carpenter and LaCasse 1974, Andreadis et al. 2004)
<i>Aedes cantans</i>	(Renshaw et al. 1994; 1995, Service 1993)
<i>Aedes cantator</i>	(Giberson et al. 2007)
<i>Aedes chemulpoensis</i>	(Feng 1983)
<i>Aedes cinereus</i>	(Morrison and Andreadis 1992, Anderson et al. 2007, Becker and Neumann 1983, Molaei et al. 2008a)
<i>Aedes circumluteolus</i>	(Jupp and McIntosh 1987, Paterson et al. 1964, Chandler et al. 1975)
<i>Aedes cumminsi</i>	(Lane and Crosskey 2012)
<i>Aedes curtipes</i>	(Harbach 2015, MacDonald et al. 1965, Knight and Hull 1953)
<i>Aedes dalzieli</i>	(Fontenille et al. 1998)
<i>Aedes domesticus</i>	(Harbach 2015, Lane and Crosskey 2012, Geoffroy 1987)
<i>Aedes dorsalis</i>	(Aldemir et al. 2010, Wang et al. 2012)
<i>Aedes flavicolis</i>	(Reinert 1970)
<i>Aedes fluviatilis</i>	(Multini et al. 2015, Baton et al. 2013, Reinert et al. 2008)
<i>Aedes fowleri</i>	(Boussu et al. 2013)
<i>Aedes furcifer</i>	(Beran 1994, Hopkins 1952)
<i>Aedes grahami</i>	(Harbach 2015)
<i>Aedes hensilli</i>	(Ledermann et al. 2014, Bohart and Ingram 1946)

<i>Aedes ingrami</i>	(Lane and Crosskey 2012, Haddow 1946 <i>b</i> ; 1964; 1942)
<i>Aedes jamoti</i>	(Harbach 2015, Le Berre and Hamon 1961)
<i>Aedes japonicus</i>	(Kaufman and Fonseca 2014, Kampen and Werner 2014)
<i>Aedes juppi</i>	(Harbach 2015, Jupp and Kemp 1998)
<i>Aedes koreicus</i>	(Harbach 2015, Montarsi et al. 2013, Medlock et al. 2015)
<i>Aedes lineatopennis</i>	(Harbach 2015, Amerasinghe and Indrajith 1995, Jupp 1967, Linthicum et al. 1985)
<i>Aedes longipalpis</i>	(Harbach 2015)
<i>Aedes luteocephalus</i>	(Diallo et al. 2012 <i>b</i> , Service 1965 <i>b</i> , Bookman 1961)
<i>Aedes mcintoshi</i>	(Walter Reed Biosystematics Unit 2016, Harbach 2015)
<i>Aedes mediolineatus</i>	(Harbach 2015)
<i>Aedes melanimon</i>	(Walter Reed Biosystematics Unit 2016, Barker et al. 2009, Chapman 1960)
<i>Aedes metallicus</i>	(Harbach 2015, Beran 1994)
<i>Aedes minutus</i>	(Harbach 2015, Diallo et al. 2012 <i>b</i>)
<i>Aedes natronius</i>	(Harbach 2015)
<i>Aedes neoaffricanus</i>	(Harbach 2015, Diallo et al. 2012 <i>b</i> , Hervy et al. 1986)
<i>Aedes normanensis</i>	(NSW Health 2016, Hearnden and Kay 1995)
<i>Aedes notoscriptus</i>	(NSW Health 2016, Jansen et al. 2015, Nicholson et al. 2015, Derraik et al. 2007, Frances et al. 2002)
<i>Aedes occidentalis</i>	(Harbach 2015, Evans 1926)
<i>Aedes ochraceus</i>	(Corbet 1962, Lutomiah et al. 2014)
<i>Aedes opok</i>	(Beran 1994, Herve et al. 1975, Germain et al. 1976)
<i>Aedes polynesiensis</i>	(Young 2007)
<i>Aedes procax</i>	(NSW Health 2016, Ryan and Kay 2000)
<i>Aedes scapularis</i>	(Forattini and de Castro Gomes 1988)
<i>Aedes scutellaris</i>	(Penn 1947)
<i>Aedes serratus</i>	(Guimares et al. 2000, Cardoso et al. 2010)
<i>Aedes simulans</i>	(Harbach 2015)
<i>Aedes sollicitans</i>	(Giberson et al. 2007, Carpenter and LaCasse 1974, Crans and Sprenger 1996, Crans et al. 1996)
<i>Aedes stokesi</i>	(Harbach 2015, Reinert 1986)
<i>Aedes taeniarostris</i>	(Eastwood et al. 2013)
<i>Aedes tarsalis</i>	(Ellis et al. 2007)
<i>Aedes taylori</i>	(Walter Reed Biosystematics Unit 2016)
<i>Aedes togoi</i>	(Tsunoda et al. 2012, Lee and Hong 1995)
<i>Aedes tremulus</i>	(Kay et al. 2000, Webb et al. 2016)
<i>Aedes trivittatus</i>	(Carpenter and LaCasse 1974, Andreadis et al. 2004)
<i>Aedes vexans</i>	(Boxmeyer and Palchick 1999, Aldemir et al. 2010)
<i>Aedes vigilax</i>	(NSW Health 2016, Chapman et al. 1999)
<i>Aedes vittatus</i>	(Boorman 1961, Selvaraj and S K Dwarakanath 1992)
<i>Anopheles amictus</i>	(Hearnden and Kay 1995)
<i>Anopheles barbirostris</i>	(Sriwichai et al. 2016, Amerasinghe and Indrajith 1995, Bashar et al. 2012)
<i>Anopheles coustani</i>	(Fornadel et al. 2011, Mwangangi et al. 2013, Muriu et al. 2008, Mwangangi et al. 2007)

<i>Anopheles crucians</i>	(Grieco et al. 2006, Qualls et al. 2012)
<i>Anopheles domicola</i>	(Diagne et al. 1994)
<i>Anopheles funestus</i>	(Gillies et al. 1968, Githeko et al. 1996)
<i>Anopheles gambiae</i>	(Coggeshall 1944, Gillies et al. 1968, Huho et al. 2013)
<i>Anopheles hyrcanus</i>	(Rueda et al. 2006; 2005, Ponon et al. 2007, Aldemir et al. 2010)
<i>Anopheles maculipennis</i>	(Aldemir et al. 2010, Brugman et al. 2015, Gordeev et al. 2005)
<i>Anopheles meraukensis</i>	(Cooper et al. 2006, NSW Health 2016)
<i>Anopheles paludis</i>	(Karch and Mouchet 1992, Mouchet 1957)
<i>Anopheles pharoensis</i>	(Gillies et al. 1968, Taye et al. 2006)
<i>Anopheles philippinensis</i>	(Toma et al. 2002, Silver 2007, Bashar et al. 2012)
<i>Anopheles pretoriensis</i>	(Al-Sheik 2011, Shililu et al. 2003)
<i>Anopheles punctipennis</i>	(Carpenter and LaCasse 1974)
<i>Anopheles quadrimaculatus</i>	(Carpenter and LaCasse 1974)
<i>Anopheles subpictus</i>	(Sinka et al. 2011)
<i>Anopheles tessellatus</i>	(Miyagi et al. 1983, Paramasivan et al. 2015)
<i>Armigeres obturbans</i>	(Harbach 2015)
<i>Coquillettidia aurites</i>	(Schwetz 1930, Njabo et al. 2009)
<i>Coquillettidia linealis</i>	(Russell et al. 2013, Williams 2005, Webb et al. 2016)
<i>Coquillettidia metallica</i>	(Njabo et al. 2009, McClelland and Weitz 1960)
<i>Coquillettidia perturbans</i>	(Carpenter and LaCasse 1974, Anderson et al. 2007, Bosak et al. 2001, Callahan and Morris 1987)
<i>Coquillettidia richiardii</i>	(Ventim et al. 2012, Serandour et al. 2006, Versteirt et al. 2013)
<i>Coquillettidia venezuelensis</i>	(Guimares et al. 2000, Degallier et al. 1978)
<i>Culex adamesi</i>	(Sirivanakarn and Galindo 1980)
<i>Culex annulirostris</i>	(NSW Health 2016, Hall-Mendelin et al. 2012, Williams and Kokkinn 2005)
<i>Culex antennatus</i>	(Gad et al. 1995, Karch et al. 1993, Morsy et al. 1990, Kenawy et al. 1998)
<i>Culex australicus</i>	(NSW Health 2016, Russell 2012)
<i>Culex bahamensis</i>	(Lopes 1997)
<i>Culex bitaeniorhynchus</i>	(Kulkarni and Rajput 1988, Fakoorziba and Vijayan 2008, Harbach 1988)
<i>Culex caudelli</i>	(Alfonzo et al. 2005, Chadee and Tikasingh 1989)
<i>Culex coronator</i>	(Yee and Skiff 2014, de Oliveria et al. 1985)
<i>Culex crybda</i>	(de Oliveria et al. 1985)
<i>Culex duttoni</i>	(Mwangangi et al. 2009)
<i>Culex epidemus</i>	(Kanojia 2003, Reisen et al. 1976)
<i>Culex fatigans</i>	(Laboratory 2016, Liu et al. 1960, Robinson 2005)
<i>Culex fuscocephala</i>	(Ohba et al. 2015, Kulkarni and Rajput 1988, Amerasinghe and Munasingha 1994, Wang 1975)
<i>Culex gelidus</i>	(Williams 2005, Sudeep 2014)
<i>Culex guiarti</i>	(Logan et al. 1991)
<i>Culex modestus</i>	(Veronesi et al. 2012, Radrova et al. 2013, Muñoz et al. 2012, Chalvet-Monfray et al. 2007, Fyodorova et al. 2006)
<i>Culex nakuruensis</i>	(van Someren 1967)
<i>Culex neavei</i>	(Diallo et al. 2012a, Nikolay et al. 2012, Fall et al. 2013; 2011)

<i>Culex nebulosus</i>	(Adebote et al. 2006, Okorie 1978, Davis and Philip 1931)
<i>Culex nigripalpus</i>	(Laporta et al. 2008, Carpenter and LaCasse 1974, Laboratory 2016)
<i>Culex p. molestus</i>	(Robinson 2005, Gomes et al. 2013)
<i>Culex perexiguus</i>	(Muñoz et al. 2012, Ammar et al. 2012)
<i>Culex perfuscus</i>	(Hopkins 1952, Diallo et al. 2014, Service 1993)
<i>Culex pipiens</i>	(Harbach 1988, Anderson et al. 2007)
<i>Culex poicilipes</i>	(Muturi et al. 2008, Ba et al. 2005, Chevalier et al. 2004)
<i>Culex pruina</i>	(Wanson and Lebred 1946)
<i>Culex pseudovishnui</i>	(Fakoorziba and Vijayan 2008, Reisen et al. 1976, ?, ?)
<i>Culex pullus</i>	(Johansen et al. 2009, Webb et al. 2016)
<i>Culex quinquefasciatus</i>	(Laboratory 2016, DeGrootte and Sugumaran 2012)
<i>Culex restuans</i>	(Apperson et al. 2002, Ebel et al. 2005, Kilpatrick et al. 2005, Molaei et al. 2008b)
<i>Culex rubinotus</i>	(Jupp et al. 1976)
<i>Culex salinarius</i>	(Rochlin et al. 2008, Mackay et al. 2010, Rey et al. 2006)
<i>Culex sitiens</i>	(NSW Health 2016, Prummongkol et al. 2012)
<i>Culex spissipes</i>	(Takahashi 1968, Degallier et al. 1978)
<i>Culex squamoses</i>	(NSW Health 2016, Jansen et al. 2009)
<i>Culex taeniopus</i>	(Davies 1978; 1975, Lopes 1996)
<i>Culex tarsalis</i>	(Reisen 1993, Rueger et al. 1964)
<i>Culex telesilla</i>	(Njogu and Kinoti 1971)
<i>Culex thalassius</i>	(Kerr 1932, Snow and Boreham 1978, Service 1993, Kirby et al. 2008)
<i>Culex theileri</i>	(Aldemir et al. 2010, Muñoz et al. 2012, Simsek 2004)
<i>Culex tritaeniorhynchus</i>	(Kanojia and Geevarghese 2004, Fakoorziba and Vijayan 2008, Flemings 1959, Amerasinghe and Munasingha 1994, Mwandawiro et al. 1999, Bhattacharyya et al. 1994, Reuben 1971)
<i>Culex univittatus</i>	(Jupp 1967, Chandler et al. 1975, Jupp and Brown 1967)
<i>Culex virgultus</i>	(Carpenter and LaCasse 1974)
<i>Culex vishnui</i>	(Chen et al. 2014, Bhattacharyya et al. 1994, Ohba et al. 2015)
<i>Culex vomerifer</i>	(Ferro et al. 2003, Natal et al. 1998, Suarez-Mutis et al. 2009, Sallum and Forattini 1996)
<i>Culex weschei</i>	(Snow and Boreham 1973, Lane and Crosskey 2012)
<i>Culex whitmorei</i>	(Begum et al. 1986, Reisen et al. 1976, Peiris et al. 1992)
<i>Culex zombaensis</i>	(Lane and Crosskey 2012, Logan et al. 1991)
<i>Culiseta alaskensis</i>	(Frohne 1953)
<i>Culiseta impatiens</i>	(Sommerman 1964, Frohne 1953, Murdock et al. 2010, Smith 1966)
<i>Culiseta inornata</i>	(Carpenter and LaCasse 1974, Smith 1966, Belton 1979)
<i>Culiseta melanura</i>	(Molaei et al. 2006, Mahmood and Crans 1998, Laboratory 2016, Hickman and Brown 2013)
<i>Deinocerites pseudus</i>	(Martin et al. 1973, Peyton et al. 1964)
<i>Eretmapodites chrysogaster</i>	(Doucet and Cahan 1961, Sylla et al. 2013, Service 1965a, Haddow 1946a)
<i>Eretmapodites inornatus</i>	(Haddow 1946a)

<i>Eretmapodites oedipodeios</i> (<i>oedipodius</i>)	(Haddow 1946 <i>a</i> , de Cunha Ramos and Ribeiro 1990)
<i>Eretmapodites quinquevittatus</i>	(Haddow 1946 <i>a</i> , Jupp and Kemp 2002, Lounibos 1980)
<i>Eretmapodites silvestris</i>	(Lounibos 1980, Hoogstraal and Knight 1951)
<i>Ficalbia flavens</i>	(King and Hoogstraal 1946)
<i>Haemagogus anastasionis</i>	(Van der Kuyp 1949, Bueno-Mar et al. 2015, Maestre-Serrano et al. 2013)
<i>Haemagogus celeste</i>	(Bueno-Mar et al. 2015, Maestre-Serrano et al. 2013, Beran 1994, Chadee et al. 1985)
<i>Haemagogus equinus</i>	(Chadee et al. 1985; 1993, Waddell and Taylor 1945)
<i>Haemagogus janthinomys</i>	(Arnell 1973, Alencar et al. 2005, Chadee et al. 1992)
<i>Haemagogus leucocelaenus</i>	(Alencar et al. 2008, Pinto et al. 2009)
<i>Haemagogus spgazzinii</i>	(Arnell 1973, Galindo et al. 1951; 1950)
<i>Mansonia africana</i>	(Karch et al. 1993, Chandler et al. 1975, Hopkins 1952)
<i>Mansonia septempunctata</i>	(NSW Health 2016, Harbach 2015)
<i>Mansonia titillans</i>	(Carpenter and LaCasse 1974, Viana et al. 2010, Stein et al. 2013)
<i>Mansonia uniformis</i>	(Sabesan et al. 1991, Kumar and Sabesan 1989, Wharton 1962)
<i>Mimomyia hispida</i>	(Boreham et al. 1975, Harbach 2015)
<i>Mimomyia lacustris</i>	(Harbach 2015)
<i>Mimomyia splendens</i>	(Boreham et al. 1975, Robert et al. 1998 <i>b</i>)
<i>Orthopodomyia signifera</i>	(Hanson et al. 1995, Nathan D. Burkett-Cadena 2013)
<i>Psorophora albipes</i>	(Alfonzo et al. 2005, Silva et al. 2012, Guimares et al. 2000)
<i>Psorophora columbiae</i>	(Carpenter and LaCasse 1974)
<i>Psorophora ferox</i>	(Carpenter and LaCasse 1974, Laboratory 2016, Degallier et al. 1978, Molaei et al. 2008 <i>a</i>)
<i>Runchomyia frontosa</i>	(Cardoso et al. 2015, Heinemann et al. 1980)
<i>Sabethes albiprivus</i>	(Gomes et al. 2010, Pedro et al. 2008)
<i>Sabethes belisarioi</i>	(Pinto et al. 2009)
<i>Sabethes chloropterus</i>	(Beran 1994, Pinto et al. 2009, Galindo 1958)
<i>Sabethes soperi</i>	(Navarro et al. 2015, Harbach 2015)
<i>Uranotaenia mashonaensis</i>	(Harbach and Schnur 2007)
<i>Uranotaenia sapphirina</i>	(Cupp et al. 2003, Crans 2016)
<i>Uranotaenia unguiculata</i>	(Khoshdel-Nezamiha et al. 2014, Ramsdale and Snow 2001, Sebesta et al. 2010, Bagirov et al. 1994, Kenawy et al. 1987)

Table 2. Primary Sources for Virus Traits

Virus	Sources
Alfuy Virus	(Mackenzie et al. 2012)
Bagaza virus	(Mahy 2009, Llorente et al. 2015, Gamino et al. 2012)
Banzi virus	(Grard et al. 2009, Karabatsos 1985)
Bouboui virus	(Grard et al. 2009, Cook and Zumla 2009)
Bussuquara virus	(Beran 1994)
Dengue type 1	(Cook and Zumla 2009)
Dengue type 2	(Cook and Zumla 2009)
Dengue type 3	(Cook and Zumla 2009)
Dengue type 4	(Cook and Zumla 2009)
Edge Hill virus	(Mackenzie et al. 2012, Doherty et al. 1964)
Iguape Virus	(Coimbra et al. 1993, Mahy 2009)
Ilheus virus	(Mahy 2009, Chambers and Monath 2003, Laemmert and Hughes 1947, Aitken and Anderson 1959)
Israel turkey meningoencephalomyelitis virus	(Mahy 2009, Nir 1972)
Japanese encephalitis virus	(Mahy 2009, DS Burke and CJ Leake 1988, Gresser et al. 1958)
Jugra virus	None
Kedougou virus	(Cook and Zumla 2009, Diagne et al. 2015)
Kokobera virus	(Cook and Zumla 2009, Lequime and Lambrechts 2014)
Koutango virus	(Chambers and Monath 2003, Cook and Zumla 2009)
Kunjin virus	(Mahy 2009, Mackenzie et al. 2012)
Murray Valley encephalitis virus	(Cook and Zumla 2009, Mackenzie et al. 2012)
Naranjal virus	(Mahy 2009)
New Mapoon virus	(Nisbet 2005, Mahy 2009)
Ntaya virus	(Mahy 2009)
Rocio virus	(Mahy 2009, Cook and Zumla 2009)
Saboya virus	(Mahy 2009, Traore-Lamizana et al. 2001)
Sepik virus	(Mackenzie et al. 2012, Cook and Zumla 2009)
Spondweni virus	(Chambers and Monath 2003, Cook and Zumla 2009)
St. Louis encephalitis virus	(Mackenzie et al. 2012, Cook and Zumla 2009)
Stratford virus	(Mackenzie et al. 2012)
Tembusu virus	(Mahy 2009, Tang et al. 2013)
Uganda S virus	(Mahy 2009)
Usutu virus	(Mahy 2009, Chambers and Monath 2003, Cook and Zumla 2009)
Wesselbron	(Mahy 2009, Chambers and Monath 2003, Cook and Zumla 2009)
West Nile virus	(Mackenzie et al. 2012, Cook and Zumla 2009, Mores et al. 2007, Turell et al. 2001)
Yaounde virus	(Mackenzie et al. 2012)
Yellow fever virus	(Mahy 2009)
Zika virus	(Chambers and Monath 2003, Cook and Zumla 2009)

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