

Table S1. Mosquito list from Mali, West Africa

Subfamily	Tribe	Genus	Subgenus	Species/subspecies	Descriptor/year	Pathogens	Areas of distribution*	References
Anophelinae	/	Anopheles	Anopheles	<i>An. coustani</i>	Laveran, 1900		All	[1,2]
				<i>An. obscurus</i>	(Grünberg, 1905)		G, SG	[1,2]
				<i>An. paludis</i>	Theobald, 1900		SI, SS	[1,2]
				<i>An. ziemanni</i>	Grünberg, 1902		All	[1,2]
			Cellia	<i>An. arabiensis</i>	Patton, 1905	<i>P. falciparum P. vivax, P. malariae, P. ovale wallikeri, P. ovale curtisi, W. bancrofti</i>	All	[1–4]
				<i>An. brohieri</i>	Edwards, 1929		G, SG, SS	[1,2]
				<i>An. brunnipes</i>	(Theobald, 1910)		G, SG	[2]
				<i>An. coluzzii</i>	Coetzee & Wilkerson, 2013	<i>P. falciparum P. vivax, P. malariae, P. ovale wallikeri, P. ovale curtisi, W. bancrofti</i>	All	[1,2,4]
				<i>An. domicola</i>	Edwards, 1916		G, SG, SS	[2]
				<i>An. flavicosta</i>	Edwards, 1911		G, SG, SS	[1,2]
				<i>An. funestus</i>	Giles, 1902	<i>P. falciparum, W. bancrofti</i>	All	[1–4]
				<i>An. gambiae</i>	Giles, 1902	<i>P. falciparum P. vivax, P. malariae, P. ovale wallikeri, P. ovale curtisi, W. bancrofti</i>	G, SG, SS	[1,2,4]
				<i>An. hancocki</i>	Edwards, 1929		G, SG	[1,2]
				<i>An. leesoni</i>	Evans, 1931		G, SG, SS	[1,2]
				<i>An. longipalpis</i>	Theobald, 1903		G, SG, SS	[1,2]
				<i>An. maculipalpis</i>	Giles, 1902		G, SG, SS	[1,2]
				<i>An. maliensis</i>	Bailly-Choumara & Adam, 1959		G, SG	[20]
				<i>An. nili</i>	Theobald, 1904	<i>P. falciparum</i>	G, SG, SS	[1–4]
				<i>An. pharoensis</i>	Theobald, 1901		All	[1,2]
				<i>An. pretoriensis</i>	(Theobald, 1903)		G, SG, SS	[1,2]
				<i>An. rhodesiensis rhodesiensis</i>	Theobald, 1901		SS	[1,2]
				<i>An. rivulorum</i>	Leeson, 1935		SS	[1,2]
				<i>An. rufipes rufipes</i>	(Gough), 1910		All	[1,2]
				<i>An. rufipes broussesi</i>	Edwards, 1929		All	[20]
				<i>An. sergentii sergentii</i>	(Theobald, 1907)		Sr	[2]
				<i>An. sergentii macmahoni</i>	Evans, 1936		All	[20]
				<i>An. schwetzi</i>	Evans, 1934			[20]
				<i>An. somalicus</i>	Rivola & Holstein, 1957		G, SG	[20]
				<i>An. squamosus</i>	Theobald, 1901		All	[1,2]
				<i>An. wellcomei wellcomei</i>	Theobald, 1904		SI, SS	[1,2]

Culicinae	Aedeomyiini	Aedeomyia	Aedeomyia	<i>Ad. africana</i>	Neveu Lemaire, 1906		SS	[1]		
			Lepiothauma	<i>Ad. furfurea</i>	(Enderlein, 1923)		SS	[1]		
	Aedini	Aedes	Aedimorphus	<i>Ae. cummingsii</i>	(Theobald, 1903)		SS	[1]		
				<i>Ae. dalzieli</i>	(Theobald, 1910)		G, SG, SS	[1]		
				<i>Ae. fowleri</i>	(de Charmoy, 1908)		G, SG, SS	[1,5]		
				<i>Ae. hirsutus</i>	(Theobald, 1901)		G, SG, SS	[1]		
				<i>Ae. mattinglyi</i>	Hamon & Rickenbach, 1954		G, SG	[1]		
				<i>Ae. ochraceus</i>	(Theobald, 1901)		G, SG, SS	[1]		
				Albuginosus	<i>Ae. haworthi</i>	(Edwards, 1923)		G, SG	[1]	
			<i>Ae. stokesi</i>		(Evans, 1929)		G, SG	[1]		
			Catageomyia	<i>Ae. argenteopunctatus</i>	(Theobald, 1901)		G, SG, SS	[1]		
				<i>Ae. dialloi</i>	Hamon & Brengues, 1965		G, SG	[6]		
				<i>Ae. minutus</i>	(Theobald, 1901)		G, SG, SS	[1]		
				<i>Ae. mixtus</i>	Edwards, 1936		G, SG, SS	[1]		
				<i>Ae. punctothoracis</i>	(Theobald, 1909)		G, SG, SS	[1]		
			Diceromyia	<i>Ae. tarsalis</i>	(Newstead, 1907)		G, SG, SS	[1]		
				<i>Ae. furcifer</i>	(Edwards, 1913)	YFV	G, SG, SS	[1,7]		
				<i>Ae. taylori</i>	Edwards, 1936		G, SG, SS	[1]		
			Fredwardsius	<i>Ae. vittatus</i>	(Bigot, 1861)		G, SG, SS	[1]		
			Mucidus	<i>Ae. grahamii</i>	Theobald, 1909		G, SG	[1]		
				<i>Ae. mucidus</i>	(Karsch, 1887)		SS	[1]		
				<i>Ae. scatophagoides</i>	Theobald, 1901		G, SG, SS	[1]		
				<i>Ae. sudanensis</i>	(Theobald, 1908)			[8]		
			Neomelaniconion	<i>Ae. circumluteolus</i>	(Theobald, 1908)		G, SG, SS	[1]		
				<i>Ae. lineatopennis</i>	(Ludlow, 1905)		SS	[1]		
			Stegomyia	<i>Ae. aegypti</i>	(Linnaeus, 1762)	YFV, DENV, CHIKV	G, SI, SG, SS	[1,7,9,10]		
				<i>Ae. albopictus</i>	(Skuse, 1895)	DENV, CHIKV	SI, SS	[10,11]		
				<i>Ae. africanus</i>	Theobald, 1901		G, SG	[1]		
				<i>Ae. luteocephalus</i>	(Newstead, 1907)		G, SG, SS	[1]		
				<i>Ae. opok</i>	Corbet & van Someren, 1962		G, SG	[12]		
				<i>Ae. metallicus</i>	(Edwards, 1912)		G, SG	[1]		
				<i>Ae. simpsoni s.l.</i>	(Theobald, 1905)		SS	[1]		
			Zavortinkius	<i>Ae. longipalpis</i>	(Grünberg, 1905)		G, SG	[1]		
				Eretmapodites	/	<i>Er. dracaenae</i>	Edwards, 1916		G, SG	[1]
			Culicini	Culex	Culex	<i>Cx. antennatus</i>	(Becker, 1903)		G, SG, SS	[1,3]
	<i>Cx. argenteopunctatus</i>	(Ventrillon, 1905)					G, SG, SS	[1,3]		
	<i>Cx. decens</i>	Theobald, 1901				WNV	G, Sr, SG, SS	[1,3,13]		
	<i>Cx. duttoni</i>	Theobald, 1901					G, SG, SS	[1,3]		
	<i>Cx. guiarti</i>	Blanchard, 1905					G, SG, SS	[1,3]		
	<i>Cx. grahamii grahamii</i>	Theobald, 1910					G, SG, SS	[1,3]		
	<i>Cx. grahamii farakoensis</i>	Hamon, 1954					G, SG	[1]		
	<i>Cx. invidiosus</i>	Theobald, 1901					G, SG, SS	[1,3]		
	<i>Cx. neavei</i>	Theobald, 1906				WNV, USUV	G, SG, SS	[5,13-15]		

			<i>Cx. perexiguus</i>	Theobald, 1903		G, SG	[3,5]
			<i>Cx. perfuscus</i>	Edwards, 1914		G, SG, SS	[1,3]
			<i>Cx. quasiguiarti</i>	Theobald, 1910		G, SG	[1,3]
			<i>Cx. quinquefasciatus</i>	Say, 1823	<i>W. bancrofti</i> , WNV	G, SG, SS	[1,5,13,16,17]
			<i>Cx. simpsoni</i>	Theobald, 1905		G, SG, SS	[1,3]
			<i>Cx. trifoliatu</i>	Edwards, 1914		G, SG	[1,3]
			<i>Cx. univittatus</i>	Theobald, 1901		G, SG, SS	[1,3]
			<i>Cx. weschei</i>	Edwards, 1935		G, SG, SS	[1,3]
		<i>Culiciomyia</i>	<i>Cx. cinereus</i>	Theobald, 1901		G, SG	[1,3]
			<i>Cx. macfie</i>	Edwards, 1923		G, SG, SS	[1,3]
			<i>Cx. nebulosus</i>	Arnell, 1973		G, SG, SS	[1,3]
		<i>Eumelanomyia</i>	<i>Cx. albiventris</i>	Edwards, 1922		G, SG	[1,3]
			<i>Cx. horridus</i>	Edwards, 1922		G, SG, SS	[1,3]
			<i>Cx. inconspicu</i>	(Theobald, 1908)		G, SG, SS	[1,3]
			<i>Cx. insignis</i>	(Carter, 1911)		G, SG	[1,3]
			<i>Cx. wigglesworthi</i>	Edwards, 1941		G, SG	[1,3]
		<i>Oculeomyia</i>	<i>Cx. annulioris</i>	Theobald, 1901		G, SG, SS	[1,3]
			<i>Cx. bitaeniorhynchus</i>	Giles, 1901		G, SG, SS	[20]
			<i>Cx. poicilipes</i>	(Theobald, 1903)	RVFV, WNV	G, SG, SS	[1,18]
<b>Ficalbiini</b>	<b>Mimomyia</b>	<i>Mimomyia</i>	<i>Mi. mimomyiaformis</i>	(Newstead, 1907)		G, SI, SG, SS	[1]
			<i>Mi. splendens</i>	Theobald, 1903		G, SG, SS	[1]
			<i>Mi. plumosa</i>	(Theobald, 1901)		G, SG, SS	[1]
		<i>Etorleptomyia</i>	<i>Mi. mediolineata</i>	(Theobald, 1904)		SS	[1]
	<b>Ficalbia</b>	/	<i>Fi. uniformis</i>	(Theobald, 1904)		G, SG, SS	[1]
<b>Mansoniini</b>	<b>Coquillettidia</b>	<i>Coquillettidia</i>	<i>Cq. aurites</i>	(Theobald, 1901)		G, SG	[1]
			<i>Cq. maculipennis</i>	(Theobald, 1911)		G, SG, SS	[1]
			<i>Cq. metallica</i>	(Theobald, 1901)		G, SG	[1]
	<b>Mansonia</b>	<i>Mansonioides</i>	<i>Ma. africana</i>	(Theobald, 1901)	<i>W. bancrofti</i>	G, SG, SS	[1,19]
			<i>Ma. uniformis</i>	(Theobald, 1901)	<i>W. bancrofti</i>	G, SG, SS	[1,19]
<b>Toxorhynchitini</b>	<b>Toxorhynchites</b>	<i>Afrorhynchus</i>	<i>Tr. viridibasis</i>	(Edwards, 1935)		G, SG	[1]
		<i>Toxorhynchites</i>	<i>Tr. brevipalpis conradti</i>	Grünberg, 1907		G, SG, SS	[1]
<b>Uranotaeniini</b>	<b>Uranotaenia</b>	<i>Uranotaenia</i>	<i>Ur. balfouri</i>	Theobald, 1904		G, SG, SS	[1]
			<i>Ur. chorleyi</i>	Edwards, 1936		G, SG	[1]
		<i>Pseudoficalbia</i>	<i>Ur. fusca</i>	Theobald, 1907		SS	[1]
			<i>Ur. mashonaensis</i>	Theobald, 1901		G, SG, SS	[1]
			<i>Ur. ornata</i>	Theobald, 1909		G, SG	[1]

\* Abbreviations for pathogens: **P**: *Plasmodium*; **RVFV**: Rift Valley fever Virus; **WNV**: West Nile Virus; **W.**: *Wuchereria*; **YFV**: Yellow Fever Virus

\*\* Abbreviations for eco-climatic areas: **G**: Guinean; **SG**: Sudano-Guinean; **SI**: Sahelian; **Sr**: Saharian; **SS**: Sudano-Sahelian

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