

Supplementary Information

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Inclusion criteria for data on the prevalence of the insecticide resistance phenotype

1. Was a WHO susceptibility test used?
 - a. If yes, was 100% mortality in the susceptible strain achieved after exposure to the treated paper?
 - i. If yes, see question 2.
 - ii. If no, exclude.
 - b. If no, was a CDC bottle bioassay used?
 - i. If yes, see question 2.
 - ii. If no, exclude.
2. Were F0 or F1 generation mosquitoes derived from a field collection used?
 - a. If yes, see question 3.
 - b. If no, exclude.
3. Are the results disaggregated to species?
 - a. If no, include in the dataset for the relevant complex/subgroup only.
 - b. If yes, can the species results be combined to provide an unbiased result for the original complex/subgroup sample?
 - i. If yes, include each species result in the species dataset and include the combined result in the complex/subgroup dataset.
 - ii. If no, include each species result in the species dataset only.

Inclusion criteria for data on *Vgsc* allele frequencies

1. Were *Vgsc* alleles tested for?
 - a. If yes, see question 2.
 - b. If no, exclude.
2. Were F0 or F1 generation mosquitoes derived from a field collection used?
 - a. If yes, see question 3.
 - b. If no, exclude.
3. Are the results disaggregated to species and/or to dead/alive mosquitoes?
 - a. If no, include in the dataset for the relevant complex/subgroup only.
 - b. If disaggregated to species only, can the species results be combined to provide an unbiased result for the original complex/subgroup sample?
 - i. If yes, include each species result in the species dataset and include the combined result in the complex/subgroup dataset.
 - ii. If no, include each species result in the species dataset only.
 - c. If disaggregated to dead/alive mosquitoes only, can the dead/alive results be combined to provide an unbiased result for the original complex/subgroup sample?
 - i. If yes, include in the dataset for the relevant complex/subgroup.
 - ii. If no, exclude.
 - d. If disaggregated to both species and to dead/alive, can the dead/alive results for a species be combined to provide an unbiased result for that species?
 - i. If no, exclude.

- ii. If yes, can the species results then be combined to provide an unbiased result for the original complex/subgroup sample?
 - I. If yes, include each species result in the species dataset and include the combined result in the complex/subgroup dataset.
 - II. If no, include each species result in the species dataset only.

Protocol	DDT		Dieldrin	
	Concentration	Duration (min.)	Concentration	Duration (min.)
WHO 1963	multiple	60	multiple	60
WHO 1970	multiple	60	multiple	60
WHO 1975	multiple	60	multiple	60
WHO 1976	multiple	60	multiple	60
WHO 1980	4%	60	4%	60
WHO 1981	4%	60	4%	60
WHO 1982	4%	60	4%	60
WHO 1986	4%	60	4%	60
WHO 1988	4%	60	4%	60
WHO 1992	4%	60	4%	60
WHO 1998	4%	60	4%	60
WHO 2013	4%	60	0.4%, 4%	60
WHO 2016	4%	60	4%	60
CDC	100 µg/bottle	45		

Protocol	Fenthion		Propoxur	
	Concentration	Duration (min.)	Concentration	Duration (min.)
WHO 1963				60
WHO 1970	0.25%, 2.5%	60	0.01%, 0.1%	60
WHO 1975	0.25%, 2.5%	60	0.01%, 0.1%	60
WHO 1976	0.25%, 2.5%	60	0.01%, 0.1%	60
WHO 1980			0.1%	60
WHO 1981			0.1%	60
WHO 1982			0.1%	60
WHO 1986	2.5%	60	0.1%	60
WHO 1988			0.1%	60
WHO 1992			0.1%	60
WHO 1998			0.1%	60
WHO 2013			0.1%	60
WHO 2016			0.1%	60
CDC				

Protocol	Malathion		Fenitrothion	
	Concentration	Duration (min.)	Concentration	Duration (min.)
WHO 1963	0.5%, 5%	60	0.1%, 1%	60
WHO 1970	0.5%, 5%	60	0.1%, 1%	60
WHO 1975	0.5%, 5%	60	0.1%, 1%	60
WHO 1976	0.5%, 5%	60	0.1%, 1%	60
WHO 1980	5%	60	1%	120
WHO 1981	5%	60	1%	120
WHO 1982	5%	60	1%	120
WHO 1986	5%	60	1%	120
WHO 1988	5%	60	1%	120
WHO 1992	5%	60	1%	120
WHO 1998	5%	60	1%	120
WHO 2013	5%	60	1%	120
WHO 2016	5%	60	1%	120
CDC	50 µg/bottle	30	50 µg/bottle	30

Protocol	Chlorphoxim		Permethrin	
	Concentration	Duration (min.)	Concentration	Duration (min.)
WHO 1963				
WHO 1970				
WHO 1975				
WHO 1976				
WHO 1980	4%	60	0.25%	60
WHO 1981	4%	60	0.25%	60
WHO 1982			0.25%	60
WHO 1986			0.25%	60
WHO 1988			0.25%	60
WHO 1992			0.25%	60
WHO 1998			0.75%	60
WHO 2013			0.75%	60
WHO 2016			0.75%	60
CDC			21.5 µg/bottle	30

Protocol	Deltamethrin		Lambda-cyhalothrin	
	Concentration	Duration (min.)	Concentration	Duration (min.)
WHO 1963				
WHO 1970				
WHO 1975				
WHO 1976				
WHO 1980	0.025%	60		
WHO 1981	0.025%	60		
WHO 1982	0.025%	60		
WHO 1986	0.025%	60		
WHO 1988	0.025%	60		
WHO 1992	0.025%	60	0.1%	60
WHO 1998	0.5%	60	0.05%	60
WHO 2013	0.5%	60	0.05%	60
WHO 2016	0.5%	60	0.05%	60
CDC	12.5 µg/bottle	30	12.5 µg/bottle	30

Protocol	Pirimiphos-methyl		Carbosulfan	
	Concentration	Duration (min.)	Concentration	Duration (min.)
WHO 1963				
WHO 1970				
WHO 1975				
WHO 1976				
WHO 1980				
WHO 1981				
WHO 1982				
WHO 1986				
WHO 1988				
WHO 1992				
WHO 1998				
WHO 2013	0.25%	60	0.40%	60
WHO 2016	0.25%	60	0.40%	60
CDC	20 µg/bottle	30		

Protocol	Bendiocarb		Etofenprox	
	Concentration	Duration (min.)	Concentration	Duration (min.)
WHO 1963				
WHO 1970				
WHO 1975				
WHO 1976				
WHO 1980				
WHO 1981	0.1%	60		
WHO 1982				
WHO 1986				
WHO 1988				
WHO 1992			0.25%	60
WHO 1998	0.1%	60	0.5%	60
WHO 2013	0.1%	60	0.5%	60
WHO 2016	0.1%	60	0.5%	60
CDC	12.5 µg/bottle	30		

Protocol	Cyfluthrin		Chlorfenapyr	
	Concentration	Duration (min.)	Concentration	Duration (min.)
WHO 1963				
WHO 1970				
WHO 1975				
WHO 1976				
WHO 1980				
WHO 1981				
WHO 1982				
WHO 1986				
WHO 1988				
WHO 1992				
WHO 1998				
WHO 2013	0.15%	60	5%	60
WHO 2016	0.15%	60		
CDC	12.5 µg/bottle	30		

Protocol	Fipronil		Alpha-cypermethrin	
	Concentration	Duration (min.)	Concentration	Duration (min.)
WHO 1963				
WHO 1970				
WHO 1975				
WHO 1976				
WHO 1980				
WHO 1981				
WHO 1982				
WHO 1986				
WHO 1988				
WHO 1992				
WHO 1998				
WHO 2013	2%	60		
WHO 2016	2%	60	0.05%	60
CDC			12.5 µg/bottle	30

Protocol	Piperonyl butoxide	
	Concentration	Duration (min.)
WHO 1963		
WHO 1970		
WHO 1975		
WHO 1976		
WHO 1980		
WHO 1981		
WHO 1982		
WHO 1986		
WHO 1988		
WHO 1992		
WHO 1998		
WHO 2013		
WHO 2016	4%	60
CDC		

Species	Complex	Subgroup	Group	Series
<i>An. amharicus</i>	gambiae			pyretophorus
<i>An. arabiensis</i>	gambiae			pyretophorus
<i>An. bwambae</i>	gambiae			pyretophorus
<i>An. coluzzii</i>	gambiae			pyretophorus
<i>An. gambiae s.s.</i>	gambiae			pyretophorus
<i>An. coluzzii/gambiae</i>	gambiae			pyretophorus
<i>An. melas</i>	gambiae			pyretophorus
<i>An. merus</i>	gambiae			pyretophorus
<i>An. quadriannulatus</i>	gambiae			pyretophorus
<i>An. nili</i>	nili		ardensis	neomyzomyia
<i>An. carnevalei</i>	nili		ardensis	neomyzomyia
<i>An. ovengensis</i>	nili		ardensis	neomyzomyia
<i>An. somalicus</i>	nili		ardensis	neomyzomyia
<i>An. aruni</i>		funestus	funestus	myzomyia
<i>An. confusus</i>		funestus	funestus	myzomyia
<i>An. funestus</i>		funestus	funestus	myzomyia
<i>An. funestus-like</i>		funestus	funestus	myzomyia
<i>An. longipalpis type C</i>		funestus	funestus	myzomyia
<i>An. parensis</i>		funestus	funestus	myzomyia
<i>An. vaneedeni</i>		funestus	funestus	myzomyia
<i>An. brucei</i>		rivulorum	funestus	myzomyia
<i>An. fuscivenosus</i>		rivulorum	funestus	myzomyia
<i>An. rivulorum</i>		rivulorum	funestus	myzomyia
<i>An. rivulorum-like</i>		rivulorum	funestus	myzomyia
<i>An. lesoni</i>		minimus	funestus	myzomyia
<i>An. moucheti</i>				myzomyia
<i>An. bervoetsi</i>				myzomyia

First Author	Scott	Fanello	Favia	Favia
Year of publication	1993	2002	1997	2001
Technique	PCR: rDNA IGS	PCR-RFLP: rDNA IGS	PCR-RFLP: rDNA IGS	PCR: rDNA IGS
Species				
<i>An. amharicus</i>				
<i>An. arabiensis</i>	1	1		
<i>An. bwambae</i>				
<i>An. coluzzii</i>			1	1
<i>An. gambiae s.s.</i>			1	1
<i>An. coluzzii/gambiae</i>	1			
<i>An. melas</i>	1	1		
<i>An. merus</i>	1	1		
<i>An. quadriannulatus</i>	1	1		
<i>An. nili</i>				
<i>An. carnevalei</i>				
<i>An. ovengensis</i>				
<i>An. somalicus</i>				
<i>An. aruni</i>				
<i>An. confusus</i>				
<i>An. funestus</i>				
<i>An. funestus-like</i>				
<i>An. longipalpis type C</i>				
<i>An. parensis</i>				
<i>An. vaneedeni</i>				
<i>An. brucei</i>				
<i>An. fuscivenosus</i>				
<i>An. rivulorum</i>				
<i>An. rivulorum-like</i>				
<i>An. lesoni</i>				
<i>An. moucheti</i>				
<i>An. bervoetsi</i>				

First Author	Santolamazza	Santolamazza	Wilkins
Year of publication	2008	2004	2006
Technique	SINE-PCR: SINE200 retrotransposons	PCR-RFLP: rDNA IGS	IMP-PCR
Species			
<i>An. amharicus</i>			
<i>An. arabiensis</i>		1	1
<i>An. bwambae</i>			
<i>An. coluzzii</i>	1	1	1
<i>An. gambiae s.s.</i>	1	1	1
<i>An. coluzzii/gambiae</i>			
<i>An. melas</i>			
<i>An. merus</i>			1
<i>An. quadriannulatus</i>			1
<i>An. nili</i>			
<i>An. carnevalei</i>			
<i>An. ovengensis</i>			
<i>An. somalicus</i>			
<i>An. aruni</i>			
<i>An. confusus</i>			
<i>An. funestus</i>			
<i>An. funestus-like</i>			
<i>An. longipalpis type C</i>			
<i>An. parensis</i>			
<i>An. vaneedeni</i>			
<i>An. brucei</i>			
<i>An. fuscivenosus</i>			
<i>An. rivulorum</i>			
<i>An. rivulorum-like</i>			
<i>An. leesoni</i>			
<i>An. moucheti</i>			
<i>An. bervoetsi</i>			

First Author	della Torres	Fanello	Fettene	Fettene
Year of publication	2001	2003	2003	2002
Technique	PCR-RFLP: rDNA IGS	PCR: rDNA IGS	PCR: rDNA IGS	PCR: rDNA IGS
Species				
<i>An. amharicus</i>			1	1
<i>An. arabiensis</i>			1	1
<i>An. bwambae</i>				
<i>An. coluzzii</i>	1	1		
<i>An. gambiae s.s.</i>	1	1		
<i>An. coluzzii/gambiae</i>			1	1
<i>An. melas</i>			1	1
<i>An. merus</i>			1	1
<i>An. quadriannulatus</i>			1	1
<i>An. nili</i>				
<i>An. carnevalei</i>				
<i>An. ovengensis</i>				
<i>An. somalicus</i>				
<i>An. aruni</i>				
<i>An. confusus</i>				
<i>An. funestus</i>				
<i>An. funestus-like</i>				
<i>An. longipalpis type C</i>				
<i>An. parensis</i>				
<i>An. vaneedeni</i>				
<i>An. brucei</i>				
<i>An. fuscivenosus</i>				
<i>An. rivulorum</i>				
<i>An. rivulorum-like</i>				
<i>An. lesoni</i>				
<i>An. moucheti</i>				
<i>An. bervoetsi</i>				

First Author	Mahon	Bass	Van Rensburg	
Year of publication	1976	2008	1996	
Technique	Electrophoresis: allozymes	rtPCR	PCR: rDNA IGS	
Species				
<i>An. amharicus</i>				
<i>An. arabiensis</i>	1	1	1	
<i>An. bwambae</i>				
<i>An. coluzzii</i>				
<i>An. gambiae s.s.</i>				
<i>An. coluzzii/gambiae</i>	1	1	1	
<i>An. melas</i>			1	
<i>An. merus</i>	1		1	
<i>An. quadriannulatus</i>	1		1	
<i>An. nili</i>				
<i>An. carnevalei</i>				
<i>An. ovengensis</i>				
<i>An. somalicus</i>				
<i>An. aruni</i>				
<i>An. confusus</i>				
<i>An. funestus</i>				
<i>An. funestus-like</i>				
<i>An. longipalpis type C</i>				
<i>An. parensis</i>				
<i>An. vaneedeni</i>				
<i>An. brucei</i>				
<i>An. fuscivenosus</i>				
<i>An. rivulorum</i>				
<i>An. rivulorum-like</i>				
<i>An. leesoni</i>				
<i>An. moucheti</i>				
<i>An. bervoetsi</i>				

First Author	Miles	Petrarca	Coluzzi
Year of publication	1979	1983	1967
Technique	Electrophoresis: allozymes		Cytogenetics: salivary glands
Species			
<i>An. amharicus</i>			
<i>An. arabiensis</i>			1
<i>An. bwambae</i>	1		
<i>An. coluzzii</i>			
<i>An. gambiae s.s.</i>			
<i>An. coluzzii/gambiae</i>			1
<i>An. melas</i>	1		1
<i>An. merus</i>	1		
<i>An. quadriannulatus</i>	1		
<i>An. nili</i>			
<i>An. carnevalei</i>			
<i>An. ovengensis</i>			
<i>An. somalicus</i>			
<i>An. aruni</i>			
<i>An. confusus</i>			
<i>An. funestus</i>			
<i>An. funestus-like</i>			
<i>An. longipalpis type C</i>			
<i>An. parensis</i>			
<i>An. vaneedeni</i>			
<i>An. brucei</i>			
<i>An. fuscivenosus</i>			
<i>An. rivulorum</i>			
<i>An. rivulorum-like</i>			
<i>An. leesoni</i>			
<i>An. moucheti</i>			
<i>An. bervoetsi</i>			

First Author	Coluzzi	Coluzzi	Collins
Year of publication	1968	1969	1987
Technique	Cytogenetics: salivary glands	Cytogenetics	RFLP: DNA probe
Species			
<i>An. amharicus</i>			
<i>An. arabiensis</i>	1	1	1
<i>An. bwambae</i>			
<i>An. coluzzii</i>			
<i>An. gambiae s.s.</i>			
<i>An. coluzzii/gambiae</i>	1	1	1
<i>An. melas</i>		1	1
<i>An. merus</i>		1	
<i>An. quadriannulatus</i>	1	1	
<i>An. nili</i>			
<i>An. carnevalei</i>			
<i>An. ovengensis</i>			
<i>An. somalicus</i>			
<i>An. aruni</i>			
<i>An. confusus</i>			
<i>An. funestus</i>			
<i>An. funestus-like</i>			
<i>An. longipalpis type C</i>			
<i>An. parensis</i>			
<i>An. vaneedeni</i>			
<i>An. brucei</i>			
<i>An. fuscivenosus</i>			
<i>An. rivulorum</i>			
<i>An. rivulorum-like</i>			
<i>An. leesoni</i>			
<i>An. moucheti</i>			
<i>An. bervoetsi</i>			

First Author	Paskewitz	Gentile	Van Rensburg	Townson	Charalambous
Year of publication	1990	2001	1996	1994	1999
Technique	PCR: rDNA IGS	PCR: rDNA ITS	PCR: rDNA IGS	PCR: rDNA IGS	PCR: rDNA IGS
Species					
<i>An. amharicus</i>					
<i>An. arabiensis</i>	1		1		
<i>An. bwambae</i>				1	1
<i>An. coluzzii</i>		1			
<i>An. gambiae s.s.</i>		1			
<i>An. coluzzii/gambiae</i>	1		1		1
<i>An. melas</i>			1		
<i>An. merus</i>			1		
<i>An. quadriannulatus</i>			1		
<i>An. nili</i>					
<i>An. carnevalei</i>					
<i>An. ovengensis</i>					
<i>An. somalicus</i>					
<i>An. aruni</i>					
<i>An. confusus</i>					
<i>An. funestus</i>					
<i>An. funestus-like</i>					
<i>An. longipalpis type C</i>					
<i>An. parensis</i>					
<i>An. vaneedeni</i>					
<i>An. brucei</i>					
<i>An. fuscivenosus</i>					
<i>An. rivulorum</i>					
<i>An. rivulorum-like</i>					
<i>An. leesoni</i>					
<i>An. moucheti</i>					
<i>An. bervoetsi</i>					

First Author	Miles	Gale	Gale	Coluzzi
Year of publication	1978	1987	1987	1978
Technique	Electrophoresis: allozymes	DNA probes	DNA probes	Cytogenetics
Species				
<i>An. amharicus</i>				
<i>An. arabiensis</i>		1	1	1
<i>An. bwambae</i>	1			1
<i>An. coluzzii</i>				
<i>An. gambiae s.s.</i>				
<i>An. coluzzii/gambiae</i>		1	1	1
<i>An. melas</i>	1	1	1	1
<i>An. merus</i>	1	1	1	1
<i>An. quadriannulatus</i>	1		1	1
<i>An. nili</i>				
<i>An. carnevalei</i>				
<i>An. ovengensis</i>				
<i>An. somalicus</i>				
<i>An. aruni</i>				
<i>An. confusus</i>				
<i>An. funestus</i>				
<i>An. funestus-like</i>				
<i>An. longipalpis type C</i>				
<i>An. parensis</i>				
<i>An. vaneedeni</i>				
<i>An. brucei</i>				
<i>An. fuscivenosus</i>				
<i>An. rivulorum</i>				
<i>An. rivulorum-like</i>				
<i>An. leesoni</i>				
<i>An. moucheti</i>				
<i>An. bervoetsi</i>				

First Author	Carlson	Gatti	Frizzi
Year of publication	1980	1977	1956
Technique	Gas chromatography	Fluorescence banding	Cytogenetics: salivary glands
Species			
<i>An. amharicus</i>			
<i>An. arabiensis</i>	1	1	
<i>An. bwambae</i>			
<i>An. coluzzii</i>			
<i>An. gambiae s.s.</i>			
<i>An. coluzzii/gambiae</i>	1	1	1
<i>An. melas</i>			
<i>An. merus</i>			
<i>An. quadriannulatus</i>			
<i>An. nili</i>			
<i>An. carnevalei</i>			
<i>An. ovengensis</i>			
<i>An. somalicus</i>			
<i>An. aruni</i>			
<i>An. confusus</i>			
<i>An. funestus</i>			
<i>An. funestus-like</i>			
<i>An. longipalpis type C</i>			
<i>An. parensis</i>			
<i>An. vaneedeni</i>			
<i>An. brucei</i>			
<i>An. fuscivenosus</i>			
<i>An. rivulorum</i>			
<i>An. rivulorum-like</i>			
<i>An. lesoni</i>			
<i>An. moucheti</i>			
<i>An. bervoetsi</i>			

First Author	Fontenille	Paskewitz	Taylor	Wilkerson	Davidson
Year of publication	1993	1993	1993	1993	1973
Technique	PCR: rDNA IGS	PCR	RFLP & PCR	PCR-RAPD:	Cytogenetics
Species					
<i>An. amharicus</i>					
<i>An. arabiensis</i>	1	1	1	1	
<i>An. bwambae</i>					1
<i>An. coluzzii</i>					
<i>An. gambiae s.s.</i>					
<i>An. coluzzii/gambiae</i>	1		1	1	
<i>An. melas</i>					
<i>An. merus</i>		1	1		
<i>An. quadriannulatus</i>		1			
<i>An. nili</i>					
<i>An. carnevalei</i>					
<i>An. ovengensis</i>					
<i>An. somalicus</i>					
<i>An. aruni</i>					
<i>An. confusus</i>					
<i>An. funestus</i>					
<i>An. funestus-like</i>					
<i>An. longipalpis type C</i>					
<i>An. parensis</i>					
<i>An. vaneedeni</i>					
<i>An. brucei</i>					
<i>An. fuscivenosus</i>					
<i>An. rivulorum</i>					
<i>An. rivulorum-like</i>					
<i>An. lesoni</i>					
<i>An. moucheti</i>					
<i>An. bervoetsi</i>					

First Author	Coluzzi	Cornel	Hill	Collins
Year of publication	1968	1997	1991	1988
Technique	Cytogenetics: ovarian nurse cells	PCR: rDNA IGS	DNA probes	DNA probes
Species				
<i>An. amharicus</i>				
<i>An. arabiensis</i>	1	1	1	1
<i>An. bwambae</i>				
<i>An. coluzzii</i>				
<i>An. gambiae s.s.</i>				
<i>An. coluzzii/gambiae</i>	1	1	1	1
<i>An. melas</i>		1	1	1
<i>An. merus</i>		1	1	1
<i>An. quadriannulatus</i>		1		1
<i>An. nili</i>				
<i>An. carnevalei</i>				
<i>An. ovengensis</i>				
<i>An. somalicus</i>				
<i>An. aruni</i>				
<i>An. confusus</i>				
<i>An. funestus</i>				
<i>An. funestus-like</i>				
<i>An. longipalpis type C</i>				
<i>An. parensis</i>				
<i>An. vaneedeni</i>				
<i>An. brucei</i>				
<i>An. fuscivenosus</i>				
<i>An. rivulorum</i>				
<i>An. rivulorum-like</i>				
<i>An. leesoni</i>				
<i>An. moucheti</i>				
<i>An. bervoetsi</i>				

First Author	Besansky	Hamilton	Kengne	Kengne	
Year of publication	2006	1983	2007	2003	
Technique	PCR: rDNA IGS	CHC analysis	PCR: rDNA ITS1	PCR: rDNA ITS2	
Species					
<i>An. amharicus</i>					
<i>An. arabiensis</i>	1	1			
<i>An. bwambae</i>	1				
<i>An. coluzzii</i>					
<i>An. gambiae s.s.</i>					
<i>An. coluzzii/gambiae</i>	1	1			
<i>An. melas</i>	1	1			
<i>An. merus</i>	1				
<i>An. quadriannulatus</i>					
<i>An. nili</i>				1	
<i>An. carnevalei</i>				1	
<i>An. ovengensis</i>				1	
<i>An. somalicus</i>				1	
<i>An. aruni</i>					
<i>An. confusus</i>					
<i>An. funestus</i>					
<i>An. funestus-like</i>					
<i>An. longipalpis type C</i>					
<i>An. parensis</i>					
<i>An. vaneedeni</i>					
<i>An. brucei</i>					
<i>An. fuscivenosus</i>					
<i>An. rivulorum</i>					
<i>An. rivulorum-like</i>					
<i>An. leesoni</i>					
<i>An. moucheti</i>				1	
<i>An. bervoetsi</i>				1	

First Author	Koekemoer	Garros	Cohuet	Spillings
Year of publication	2002	2004	2003	2009
Technique	PCR: rDNA ITS2	PCR: rDNA ITS2	PCR: rDNA ITS2	PCR: rDNA ITS2
Species				
<i>An. amharicus</i>				
<i>An. arabiensis</i>				
<i>An. bwambae</i>				
<i>An. coluzzii</i>				
<i>An. gambiae s.s.</i>				
<i>An. coluzzii/gambiae</i>				
<i>An. melas</i>				
<i>An. merus</i>				
<i>An. quadriannulatus</i>				
<i>An. nili</i>				
<i>An. carnevalei</i>				
<i>An. ovengensis</i>				
<i>An. somalicus</i>				
<i>An. aruni</i>				
<i>An. confusus</i>				
<i>An. funestus</i>	1	1	1	1
<i>An. funestus-like</i>				1
<i>An. longipalpis type C</i>				
<i>An. parensis</i>	1	1	1	1
<i>An. vaneedeni</i>	1	1	1	1
<i>An. brucei</i>				
<i>An. fuscivenosus</i>				
<i>An. rivulorum</i>	1	1	1	1
<i>An. rivulorum-like</i>			1	
<i>An. leesoni</i>	1	1	1	1
<i>An. moucheti</i>				
<i>An. bervoetsi</i>				

First Author	Garros	Green
Year of publication	2005	1979
Technique	Sequencing: rDNA D3 & mtDNA COII	Cytogenetics: ovarian nurse cells
Species		
<i>An. amharicus</i>		
<i>An. arabiensis</i>		
<i>An. bwambae</i>		
<i>An. coluzzii</i>		
<i>An. gambiae s.s.</i>		
<i>An. coluzzii/gambiae</i>		
<i>An. melas</i>		
<i>An. merus</i>		
<i>An. quadriannulatus</i>		
<i>An. nili</i>		
<i>An. carnevalei</i>		
<i>An. ovengensis</i>		
<i>An. somalicus</i>		
<i>An. aruni</i>		
<i>An. confusus</i>		
<i>An. funestus</i>	1	1
<i>An. funestus-like</i>		
<i>An. longipalpis type C</i>		
<i>An. parensis</i>	1	1
<i>An. vaneedeni</i>	1	
<i>An. brucei</i>		
<i>An. fuscivenosus</i>		
<i>An. rivulorum</i>	1	
<i>An. rivulorum-like</i>	1	
<i>An. leesoni</i>	1	
<i>An. moucheti</i>		
<i>An. bervoetsi</i>		

First Author	Choi	Garros	
Year of publication	2010	2004	
Technique	PCR-RFLP: rDNA ITS2	PCR-RFLP: ITS2 & D3	
Species			
<i>An. amharicus</i>			
<i>An. arabiensis</i>			
<i>An. bwambae</i>			
<i>An. coluzzii</i>			
<i>An. gambiae s.s.</i>			
<i>An. coluzzii/gambiae</i>			
<i>An. melas</i>			
<i>An. merus</i>			
<i>An. quadriannulatus</i>			
<i>An. nili</i>			
<i>An. carnevalei</i>			
<i>An. ovengensis</i>			
<i>An. somalicus</i>			
<i>An. aruni</i>			
<i>An. confusus</i>			
<i>An. funestus</i>	1	1	
<i>An. funestus-like</i>	1		
<i>An. longipalpis type C</i>	1		
<i>An. parensis</i>		1	
<i>An. vaneedeni</i>	1	1	
<i>An. brucei</i>			
<i>An. fuscivenosus</i>			
<i>An. rivulorum</i>	1	1	
<i>An. rivulorum-like</i>			
<i>An. leesoni</i>	1	1	
<i>An. moucheti</i>			
<i>An. bervoetsi</i>			

First Author	Green	Koekemoer	Koekemoer
Year of publication	1982	1998	1999
Technique	Cytogenetics: salivary glands and nurse cells	PCR-RFLP: rDNA D3	PCR-SSCP
Species			
<i>An. amharicus</i>			
<i>An. arabiensis</i>			
<i>An. bwambae</i>			
<i>An. coluzzii</i>			
<i>An. gambiae s.s.</i>			
<i>An. coluzzii/gambiae</i>			
<i>An. melas</i>			
<i>An. merus</i>			
<i>An. quadriannulatus</i>			
<i>An. nili</i>			
<i>An. carnevalei</i>			
<i>An. ovengensis</i>			
<i>An. somalicus</i>			
<i>An. aruni</i>			
<i>An. confusus</i>	1		
<i>An. funestus</i>	1	1	1
<i>An. funestus-like</i>			
<i>An. longipalpis type C</i>			
<i>An. parensis</i>	1		
<i>An. vaneedeni</i>	1	1	
<i>An. brucei</i>			
<i>An. fuscivenosus</i>	1		
<i>An. rivulorum</i>	1		1
<i>An. rivulorum-like</i>			
<i>An. leesoni</i>	1		1
<i>An. moucheti</i>			
<i>An. bervoetsi</i>			

First Author	Hackett	Koekemoer	Chen
Year of publication	2000	2009	2003
Technique	PCR: rDNA ITS2	PCR: rDNA ITS2	Sequencing: rDNA D3
Species			
<i>An. amharicus</i>			
<i>An. arabiensis</i>			
<i>An. bwambae</i>			
<i>An. coluzzii</i>			
<i>An. gambiae s.s.</i>			
<i>An. coluzzii/gambiae</i>			
<i>An. melas</i>			
<i>An. merus</i>			
<i>An. quadriannulatus</i>			
<i>An. nili</i>			
<i>An. carnevalei</i>			
<i>An. ovengensis</i>			
<i>An. somalicus</i>			
<i>An. aruni</i>			
<i>An. confusus</i>			
<i>An. funestus</i>	1	1	1
<i>An. funestus-like</i>			
<i>An. longipalpis type C</i>		1	
<i>An. parensis</i>		1	
<i>An. vaneedeni</i>		1	
<i>An. brucei</i>			
<i>An. fuscivenosus</i>			
<i>An. rivulorum</i>	1	1	
<i>An. rivulorum-like</i>			
<i>An. leesoni</i>		1	1
<i>An. moucheti</i>			
<i>An. bervoetsi</i>			

First Author	Garros	Vezenegho	
Year of publication	2005	2009	
Technique	Sequencing: rDNA ITS2, D3 & mtDNA COI	PCR-TaqMan	
Species			
<i>An. amharicus</i>			
<i>An. arabiensis</i>			
<i>An. bwambae</i>			
<i>An. coluzzii</i>			
<i>An. gambiae s.s.</i>			
<i>An. coluzzii/gambiae</i>			
<i>An. melas</i>			
<i>An. merus</i>			
<i>An. quadriannulatus</i>			
<i>An. nili</i>			
<i>An. carnevalei</i>			
<i>An. ovengensis</i>			
<i>An. somalicus</i>			
<i>An. aruni</i>			
<i>An. confusus</i>			
<i>An. funestus</i>	1	1	
<i>An. funestus-like</i>			
<i>An. longipalpis type C</i>			
<i>An. parensis</i>	1	1	
<i>An. vaneedeni</i>	1	1	
<i>An. brucei</i>			
<i>An. fuscivenosus</i>			
<i>An. rivulorum</i>	1	1	
<i>An. rivulorum-like</i>			
<i>An. lesoni</i>	1	1	
<i>An. moucheti</i>			
<i>An. bervoetsi</i>			

First Author	Weeto	Singh
Year of publication	2004	2010
Technique	PCR-SSCP & PCR: rDNA ITS2	Sequencing: rDNA ITS & D3
Species		
<i>An. amharicus</i>		
<i>An. arabiensis</i>		
<i>An. bwambae</i>		
<i>An. coluzzii</i>		
<i>An. gambiae s.s.</i>		
<i>An. coluzzii/gambiae</i>		
<i>An. melas</i>		
<i>An. merus</i>		
<i>An. quadriannulatus</i>		
<i>An. nili</i>		
<i>An. carnevalei</i>		
<i>An. ovengensis</i>		
<i>An. somalicus</i>		
<i>An. aruni</i>		
<i>An. confusus</i>		
<i>An. funestus</i>	1	
<i>An. funestus-like</i>		
<i>An. longipalpis type C</i>		
<i>An. parensis</i>	1	
<i>An. vaneedeni</i>	1	
<i>An. brucei</i>		
<i>An. fuscivenosus</i>		
<i>An. rivulorum</i>	1	
<i>An. rivulorum-like</i>		
<i>An. leesoni</i>	1	
<i>An. moucheti</i>		
<i>An. bervoetsi</i>		

First Author	Koekemoer
Year of publication	2002
Technique	PCR-SSCP & PCR: rDNA ITS2
Species	
<i>An. amharicus</i>	
<i>An. arabiensis</i>	
<i>An. bwambae</i>	
<i>An. coluzzii</i>	
<i>An. gambiae s.s.</i>	
<i>An. coluzzii/gambiae</i>	
<i>An. melas</i>	
<i>An. merus</i>	
<i>An. quadriannulatus</i>	
<i>An. nili</i>	
<i>An. carnevalei</i>	
<i>An. ovengensis</i>	
<i>An. somalicus</i>	
<i>An. aruni</i>	
<i>An. confusus</i>	
<i>An. funestus</i>	1
<i>An. funestus-like</i>	
<i>An. longipalpis type C</i>	
<i>An. parensis</i>	1
<i>An. vaneedeni</i>	1
<i>An. brucei</i>	
<i>An. fuscivenosus</i>	
<i>An. rivulorum</i>	1
<i>An. rivulorum-like</i>	
<i>An. lesoni</i>	1
<i>An. moucheti</i>	
<i>An. bervoetsi</i>	