

1 Supplementary Table S1. Laboratory colonies of *A. gambiae* used in this study.

2

<b>Colony</b>	<b>Molecular Form</b>	<b>Geographic Origin (Year)</b>	<b>Karyotype</b>
M-GA-CAM	M	Yaounde, Cameroon (1988)	2L+;2R+
Mali-NIH	M	Niono, Mali (2005)	2La; 2Rbc
Pimperena	S	Pimperena, Mali (2005)	2La/+; 2Rb
KIST	S	Kisumu, Kenya (1975)	2L+;2R+

1 Supplementary Table S2. Localities where *A. gambiae* was sampled in  
2 Burkina Faso and Cameroon.

<b>Village</b>	<b>Ecological Zone</b>	<b>Geographic Coordinates</b>
Burkina Faso:		
Koubri	Sudan savanna	12°11'N, 01°23'E
Masgo	Sudan savanna	11°84'N, 01°25'E
Cameroon:		
Nkolbisson	Equatorial forest	03°52'N, 11°27'E
Leboudi	Equatorial forest	03°55'N, 11°26'E
Ngousso	Equatorial forest	03°53'N, 11°32'E
Obala	Forest-Savanna transition	04°09'N, 11°32'E

1 **Supplementary Table S3. Primer sequences used for qRT-PCR analyses**

Gene ID	Primer Name	Sequence (5'-3')	Amplicon length (bp)
AGAP004690	Ag2L387 F	CTACTGGGCGTTGCATATTCC	64
	Ag2L387 R	CGAGGCCATTGCTGTAAGTCA	
AGAP004572	2R1354 F	CGGACAGAACTGCCTGTACGT	69
	2R1354 R	GCGTCCGTGTCCGAGAAC	
AGAP001030	AgX212 F	ACGCACGCTTCTTCAGTATCC	70
	AgX212 R	CTTACCATCGTGGACCTTGT	
AGAP004799	Ag2L25F	CGATAAGAATGGCAACATTGCA	66
	Ag2L25R	CCGGTTCCCGAATGATTGT	
AGAP006076	2L93 R	GCCTCCTCGCGTATCTTATCC	64
	2L93 F	AAGAGGCGATTGCCAAAGC	
AGAP001036	X213 F	CGCATCTGGGACATGAATTCT	63
	X213 R	CGGGCTCTGGCAGTCAA	
AGAP012320	3L14 F	CGCGAGCGCATTGAATC	52
	3L14 R	CGTCCGCCTCCTGGAAAGT	
AGAP004817	2L543-1 F3	CAACAGATGCCACAAAATGC	81
	2L543-1 R3	CGCTGAACCATATCCTCCTGTAT	
AGAP009194	3R26 F	CGGACCGACCATGACGAT	69
	3R26 R	GGCACACACCCATAATGC	
AGAP001082	X50-2 F	CCAGCTTAGATGTCGAGATATTTGC	68
	X50-2 R	TTTATCACCCCGCGCTGTA	
AGAP001091	AgUNKN168 F	ACCGGTCGAGCCTCTAGGA	77
	AgUNKN168 R	CCCAGGCCAAATACAAATCG	
AGAP000959	AgX1091 F	GGTTTGAGTCATGTGCGCTTT	62
	AgX1091 R	TCCCCTGTCGAGGATGAAG	
AGAP001090	AgUNKN137 F	CAGCGCCAAGAAAATGCAT	75
	AgUNKN137 R	TTGGTCTTTTATGAGCCAGTTGTC	
AGAP004050	2R 3535 F	CAGCGGGCACTGAACGA	69
	2R 3535 R	CTCTGATAGCTTTGGTATGTGAATGTT	