

## Supplementary File 1

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**Table S1. Mosquito strains used in the study of the X chromosome heterochromatin.**

Strain	Species	BEI ID	Isolation place	Isolation date
DONGOLA	<i>Anopheles arabiensis</i>	MRA-1235	Dongola, Sudan	2009
MALI	<i>Anopheles coluzzii</i>	MRA-860	Niono, Mali	2005
MOPTI	<i>Anopheles coluzzii</i>	MRA-763	N'Gabacoro Droit, near Bamako, Mali	2003
SUA	<i>Anopheles coluzzii</i>	MRA-765	Suakoko, Liberia	1987
KISUMU	<i>Anopheles gambiae</i>	MRA-762	Kisumu, Kenya	1975
PIMPERENA	<i>Anopheles gambiae</i>	MRA-861	PIMPERENA region, Mali	2005
ZANU	<i>Anopheles gambiae</i>	MRA-594	Zanzibar, Tanzania	1982
MAF	<i>Anopheles merus</i>	MRA-1156	Kruger National Park, South Africa	1991
SANGWE	<i>Anopheles quadriannulatus</i>	MRA-1155	Sangwe, Zimbabwe	1998

**Table S2. Probes and primer sequences used for FISH.**

Sequence name	GenBank accession number	PCR primer sequences	Reference to primer design









