

Table S1. Detailed description of the lines used in this study

Species	Line	Location	Elevation(m)	Status ^a	Sequencing ^b	Position in the tree ^c
<i>D. yakuba</i>	12 Y	Abdjan, Ivory Coast	-	no-HZ	ABI	no-HZC
<i>D. yakuba</i>	21 Y	Abdjan, Ivory Coast	-	no-HZ	ABI	no-HZC
<i>D. yakuba</i>	42 Y	Abdjan, Ivory Coast	-	no-HZ	ABI	no-HZC
<i>D. yakuba</i>	ST	Tai forest, Ivory Coast	-	no-HZ	ABI	no-HZC
<i>D. yakuba</i>	CAM	Kounden Plateau, Cameroon	-	no-HZ	ABI	no-HZC
<i>D. yakuba</i>	GN46	Gabon	-	no-HZ	ABI	no-HZC
<i>D. yakuba</i>	GN110	Gabon	-	no-HZ	ABI	HZC
<i>D. yakuba</i>	ZW002A	Zimbabwe	-	no-HZ	ABI	no-HZC
<i>D. yakuba</i>	ZW121	Zimbabwe	-	no-HZ	ABI	no-HZC
<i>D. yakuba</i>	ZW162	Zimbabwe	-	no-HZ	ABI	no-HZC
<i>D. yakuba</i>	Ky221	Kenya	-	no-HZ	ABI	no-HZC
<i>D. yakuba</i>	TZ032	Tanzania	-	no-HZ	ABI	HZC
<i>D. yakuba</i>	TZ025	Tanzania	-	no-HZ	ABI	no-HZC
<i>D. yakuba</i>	LP6	São Tomé	Sea level	no-HZ	ILMN	no-HZC

<i>D. yakuba</i>	SN2	City, São Tomé	-	no-HZ	ABI	HZC
<i>D. yakuba</i>	BS3	São Nicolau, São Tomé	1,090	HZ	ILMN	no-HZC
<i>D. yakuba</i>	BS4	Bom Sucesso, São Tomé	1,090	HZ	ILMN	HZC
<i>D. yakuba</i>	Field1	Obo Reserve, São Tomé	1,090-1,190	HZ	ILMN	HZC
<i>D. yakuba</i>	Field2	Obo Reserve, São Tomé	1,090-1,190	HZ	ILMN	no-HZC
<i>D. yakuba</i>	Field3	Obo Reserve, São Tomé	1,090-1,190	HZ	ILMN	HZC
<i>D. yakuba</i>	BOSSU1153.1	Obo Reserve, São Tomé	1,153	HZ	ILMN	no-HZC
<i>D. yakuba</i>	OBAT1200.5	Obo Reserve, São Tomé	1,200	HZ	ILMN	HZC
<i>D. yakuba</i>	COST1235.2	Obo Reserve, São Tomé	1,235	HZ	ILMN	HZC
<i>D. yakuba</i>	Rain1	Obo Reserve, São Tomé	1,191-1,390	HZ	ILMN	HZC
<i>D. yakuba</i>	Rain2	Obo Reserve, São Tomé	1,191-1,390	HZ	ILMN	HZC
<i>D. yakuba</i>	Rain3	Obo Reserve, São Tomé	1,191-1,390	HZ	ILMN	HZC
<i>D. yakuba</i>	Rain4	Obo Reserve, São Tomé	1,191-1,390	HZ	ILMN	no-HZC
<i>D. yakuba</i>	Rain5	Obo Reserve, São Tomé	1,191-1,390	HZ	ILMN	HZC
<i>D. yakuba</i>	Rain6	Obo Reserve,	1,191-1,390	HZ	ILMN	HZC

<i>D. santomea</i>	BS11	São Tomé Bom Sucesso, São Tomé	1,090	HZ	ILMN	HZC
<i>D. santomea</i>	BS13	Bom Sucesso, São Tomé	1,090	HZ	ILMN	no-HZC
<i>D. santomea</i>	Field4	Obo Reserve, São Tomé	1,090-1,190	HZ	ILMN	no-HZC
<i>D. santomea</i>	Field6	Obo Reserve, São Tomé	1,090-1,190	HZ	ILMN	no-HZC
<i>D. santomea</i>	COST1235.1	Obo Reserve, São Tomé	1,235	HZ	ILMN	HZC
<i>D. santomea</i>	STO.4	Obo Reserve, São Tomé	1,150-1,350	HZ	ILMN	HZC
<i>D. santomea</i>	STO.7	Obo Reserve, São Tomé	1,150-1,350	HZ	ILMN	HZC
<i>D. santomea</i>	STO.18	Obo Reserve, São Tomé	1,150-1,350	HZ	ILMN	HZC
<i>D. santomea</i>	Rain36	Obo Reserve, São Tomé	1,191-1,390	HZ	ILMN	HZC
<i>D. santomea</i>	Rain40	Obo Reserve, São Tomé	1,191-1,390	HZ	ILMN	no-HZC
<i>D. santomea</i>	Thena2	Obo Reserve, São Tomé	1,391-1,415	HZ	ILMN	no-HZC
<i>D. santomea</i>	Thena5	Obo Reserve, São Tomé	1,391-1,415	HZ	ILMN	no-HZC
<i>D. santomea</i>	CAR1600.3	Pico Calvario, São Tomé	1,600	no-HZ	ILMN	HZC
<i>D. santomea</i>	QUIJA650.1	Rio Queijo, São Tomé	650	no-HZ	ILMN	no-HZC
<i>D. santomea</i>	QUIJA650.12	Rio Queijo, São Tomé	650	no-HZ	ILMN	no-HZC

<i>D. santomea</i>	QUIJA650.24	Rio Queijo, São Tomé	650	no-HZ	ILMN	no-HZC
<i>D. santomea</i>	Cabumbé	Pico Cabumbé, São Tomé	1,050	no-HZ	ILMN	HZC

^a HZ, line derived from a female collected in the classic hybrid zone formed by *D. yakuba* and

D. santomea; no-HZ, line derived from a female collected outside the classic hybrid zone

formed by *D. yakuba* and *D. santomea*

^b ABI, Standard cycle sequencing run in an ABI 3730 Genome Analyzer; ILMN, Illumina
GAII sequencing.

^c HZC, hybrid zone clade; no-HZC, outside the hybrid zone clade.