Table S3.
 Kalande demographics.

		Mother	Possible	Year of departure from)			Kalan	de mem	bership ^t	i				Cause of			
ID ¹	Sex ²	ID ³	birth year	Kalande⁴	1998 199	99 2000	2001	2002 2	2003 20	04 200	2006	2007	2008	2009	departure	Cause of death	Evidence for existence	
KLAM1	М	unk.	1968	1998	KL?	D D	D	D	D [D D	D	D	D	D	Death	Killed by people? Disease?	Body found	Dead male found on Nyamagoma beach with hands and genitals cut off, Jul/Aug- 98. [15]
01.000	F		4005	4000	121 121	14 1414	1717	1/1/	1212 12	14 1414	1414	1414	1212	_	F	Hala a	Visual identification and	For and the Konstalla In O. Fab 00 Test and 00 March 00
Ch-033 KLSM1	M	unk.	1985 1988	1998 1998	KL KI		KK D	KK D	KK K	K KK	KK D	KK D	KK D	D D	Emigration Death	Unknown Intergroup Aggression	genotype Visual identification	Emigrated to Kasekela by 6-Feb-98; last seen 02-March-08. Attacked and probably killed in Aug-98 [45]
KLI1	unk	unk. unk.	1996	1998	KL D		D	D) D	D	D	D	D	Death	Intergroup Aggression Intergroup Aggression	Visual identification	Killed by Kasekela males Oct-98 [45]
KLAF1	F	unk.	1968	1998/1999			D	D) D	D	D	D	D	Death?	Killed by people? Disease?	Verbal report	"2 dead females outside the Park (Ngerwe 1998/99), reported from villagers" [15]
KLAF2	F	unk.	1969	1998/1999			D	D) D	D	D	D	D	Death?	Killed by people? Disease?	Verbal report	"2 dead females outside the Park (Ngerwe 1998/99), reported from villagers" [15]
		u.iii.		1000,1000											Doda	randa by poopie: Biodace:	volballopoli	Decomposing female found on Bwavi beach in Feb-99. Cause of death not clear.
KLAF3	F	unk.	1969	1999	KL? KL	_? D	D	D	D [D D	D	D	D	D	Death	Killed by people? Disease?	Body found	Around the same time an infant was offered for sale in Kigoma. [15] Infant reported for sale in Kigoma market Feb-99, possible infant of mother on
KLI2	unk	unk.	1997	1999	KL? KL	_? D	D	D	D [D D	D	D	D	D	Death?	Killed by people?	Verbal report Visual identification and	beach [15]
Ch-029	F	unk.	1978	2000	KL K	L KL	KK	KK	кк к	к кк	KK	KK	KK	KK	Emigration	Alive	genotype	Emigrated to Kasekela by 14-Aug-00.
																	Visual identification and	
Ch-022	F	unk.	1988	2000	KL? KL	.? KL?	KK	KK	KK K	K KK	KK	KK	KK	KK	Emigration	Alive	genotype	Emigrated to Kasekela by 01-Oct-00.
																	Visual identification and	
Ch-076	F	unk.	1986	2001	KL? KL	.? KL?	KL?	MT	MT M		MT	MT	MT	MT	Emigration	Alive	genotype	Emigrated to Mitumba by 28-May-01.
KLAM2	M	unk.	1962	2002	KL K	L KL	KL	KL	D [D D	D	D	D	D	Death	Disease	Visual identification	Thin old male, last seen during respiratory outbreak.
																	Visual identification and	Unnamed adult female died during respiratory outbreak (date of death 10-Oct-02).
KLAF4	F	unk.	1972	2002	KL? KL	.? KL?	KL?	KL?	D [D D	D	D	D	D	Death	Disease	body found	Possibly Ch-070, Ch-082, or Ch-083.
																	Visual identification and	
Ch-087	M	unk.	1972	2002	KL K	L KL	KL	KL	D [D D	D	D	D	D	Death	Killed by people?	genotype	Probably killed by people (date of death 13-Aug-02). [15]
																	Visual identification and	Adolescent male (~14 years old) died during respiratory outbreak (date of death
KLSM2	M	unk.	1988	2002	KL? KL	.? KL?	KL?	KL?	D [D D	D	D	D	D	Death	Disease	body found	10-Oct-02). Possibly Ch-081.
																	Visual identification and	
Ch-021	F	Ch-089	1987	2002	KL K	L KL	KL	KL	KK K	K KK	KK	KK	KK	KK	Emigration	Disease	genotype	First seen in Kasekela 22-Jul-02; body found 05-Jan-10.
																	Visual identification and	
Ch-079	F	unk.	1990	2002	KL K		KL	KL	KK K			KK	KK	KK	Emigration	Alive	genotype	First seen in Kasekela 02-Aug-02.
Ch-081	М	unk.	unk.	2002	KL K		KL	KL		D D	D	D	D	D	Death?	Unknown	Genotype	Possibly KLSM2.
Ch-085	M	unk.	unk.	2002	KL K		KL	KL		D D	D	D	D	D	Death	Disease	Genotype	Adult male last seen in 2002 weak and with severe diarrhea. Possibly KLAM2.
BB-089	unk F	Ch-089	2000	2002	N N		B?			D D	D	<u>D</u>	D	D	Death	Unknown	Visual identification	BB-089 seen with mother (who was identified by fecal sample) on 23-Aug-02.
Ch-070		unk.	unk.	2002	KL? K		KL			.? KL?		D	D	D D	Death?	Unknown	Genotype	Possibly KLAF4.
Ch-082	F	unk.	unk.	2002 2002	KL? K		KL			L? KL? L? KL?		D	D	D	Death?	Unknown	Genotype	Possibly KLAF4. Possibly KLAF4.
Ch-083		unk.	unk.	2002	KL? K	L KL	KL	NL.	KL? KI	L? KL?	U	D	D	<u> </u>	Death?	Unknown	Genotype Visual identification and	POSSIDIY KLAF4.
Ch-099	F	unk.	1972	2003	KL K	L KL	KL	KL	KI K	K KK	VV	D	D	D	Emigration	Injury	genotype	Transferred to Kasekela 15-Sep-03.
		ulik.	1912	2003	KL K	L KL	- KL	KL	NL N	IX IXIX	IXIX				Lilligration	injury	Visual identification and	Transieneu to Nasekeia 13-3ep-03.
Ch-105	F	unk.	1992	2003	KL K	L KL	KL	KL	KL K	к кк	KK	KK	KK	KK	Emigration	Alive	genotype	Transferred to Kasekela by Dec-03.
011 100		unit.	1002	2000	IL I		- 112	11.	IXE IX	100	IXIX	Tax	1414	IXIX	Linigration	7 1114 C	Visual identification and	Transferred to Naschela by Dec co.
Ch-101	F	Ch-099	2000	2003	N N	N N	KL	KL	KL K	K KK	KK	KK	KK	KK	Emigration	Alive	genotype	Transferred to Kasekela 15-Sep-03.
Ch-084	F	unk.	unk.	2003	KL? KL		KL	KL	KL K				D	D	Death?	Unknown	Genotype	
Ch-092	F	unk.	unk.	2003	KL? KL		KL	KL	KL K				D	D	Death?	Unknown	Genotype	
Ch-091	F	Ch-099	1987	2004	KL? KL		KL	KL			KL?			D	Death?	Unknown	Genotype	
Ch-095	F	unk.	unk.	2004	KL? KL	.? KL?	KL	KL	KL K	L KL?	KL?	KL?	D	D	Death?	Unknown	Genotype	
																	Visual identification and	
Ch-098	F	unk.	1991	2004	KL K	L KL	KL	KL	KL K	L MT	MT	MT	MT	MT	Emigration	Alive	genotype	First seen in Mitumba 08-Jun-04.
																	Visual identification and	
Ch-071	F	Ch-099	1992	2005	KL K		KL		KL K		KK				Emigration	Alive	genotype	Transferred to Kasekela 15-Feb-05.
Ch-107	F	unk.	unk.	2005	KL? KL	_? KL?	KL?	KL	KL K	L KL	KL?	KL?	KL?	D	Death?	Unknown	Genotype	
	_													10: -	Possibly still			B. III. 01 000 01 100 01 100 01 101
KLAF5	F	unk.	1979	NA	KL? KL	.? KL?	KL?	KL?	KL? K	L? KL?	KL?	KL?	KL?	KL?	present	Alive?	Verbal report	Possibly Ch-089, Ch-106, Ch-109, or Ch-121
1/1 01 15		101	400.		1/1.6	0 100	141.0	141.0	I/I 0	0	10.0	10.0		14: 0	Possibly still	A.I	A for dearly	Made III. and a district of the Control of the Cont
KLSM3_	M	KLAF5	1994	NA	KL? KL	.? KL?	KL?	KL?	KL? KI	L? KL?	KL?	KL?	KL?	KL?	present	Alive?	Verbal report	Verbally reported sighting in Aug-05 and Jun-10
KI 054	F		4000		I/I 0 1/1	0 1/1 0	1/1.0	1/1.0	KI 0	0 1/1 0	1/1.0	101.0	1/1 0	I/1 0	Possibly still	Ali O	Madeal	Consider Malanda in 2005, manufacture formula de la 1919 de Marcel de Fair Co
KLSF1	<u> </u>	unk.	1988	NA	KL? KL	.? KL?	KL?	KL?	KL? KI	L? KL?	KL?	KL?	KL?	KL?	present	Alive?	Verbal report	Seen in Kalande in 2005; may be female who visited Kasekela Feb-06.
KI CEO	F	KI A E 4	4000	NIA	KI O KI	0 1/10	1/1.0	1/1.0	KI 2 KI	0 1/10	1/10	1/1.0	1/1.0	1/1.0	Possibly still	A II O	Minus I identification	Danailely Ch 400 Ch 400 as Ch 404
KLSF2	F	KLAF4	1996	NA	KL! KL	_? KL?	KL!	NL!	NL! KI	Lr KL?	KL?	KL?	KL?	KL?	present Likely still	Alive?	Visual identification	Possibly Ch-106, Ch-109, or Ch-121
KI VWA	M	unk	1978	NA	KI K	ו עו	KI.	KI.	KI K	וא וי	ИI	KI	KI	KI		Alive	Visual identification	Adult male, regularly seen but apparently not yet sampled
KLAM4_	M	unk.	1970	NA	KL K	L KL	KL	KL	KL K	L KL	KL	KL	KL	KL	present Likely still	Aiive	Visual identification Visual identification and	Adult male, regularly seen but apparently not yet sampled.
Ch-108	F	Ch-089	1993	2006	KL K	L KL	KL	KL	KL K	L KL	KI	KL	KL	KI	present	Alive	genotype	
CII-100		C11-009	1993	2000	KL K	L KL	KL	AL	IXL N	L KL	- KL	IXL	KL	KL	Likely still	Alive	Visual identification and	
Ch-064	F	unk.	1975	NA	KL K	L KL	KI	KI	KI K	I KI	KI	KI	KI	KI	present	Alive	genotype	
011-004		uiik.	1373	11/7	IL K	L IXL	-IXL	- NL	INL IN	L KL	- 112	IXL	IXL	INL	Likely still	Alive	Visual identification and	
Ch-086	F	unk.	1985	NA	KL K	L KL	KL	KL	KL K	L KI	KL	KL	KI	KI	present	Alive	genotype	Regularly seen adult female.
	•	u.iii.			- 10		-,-								Likely still	7 0	Visual identification and	region, each each formula
Ch-089	F	unk.	1972	NA	KL K	L KL	KL	KL	кк к	K KI	KL	KL	KL	KL	present	Alive	genotype	
	•														,			

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		Mother	B	Year of departure from		Kalande membership ^s												0			
ID¹	Sex ²	ID ³	Possible birth vear	Kalande⁴	1000	1000	2000	2001					2006	2007	200	0 200		Cause of departure	Cause of death	Evidence for existence	Commente
טו	Jex	טו	Dirtii yeai	Kalaliue	1990	1999	2000	2001	2002	2003	2004	2003	2000	2007	200	8 200	9	Likely still	Cause of death	Visual identification and	Likely transferred from Mitumba in Oct-98. Visited Kasekela Mar-06, Mar-08, bu
Ch-093	F	Ch-024	1984	NA	МТ	KI	KL	KI	KL	KL	KI	KL	KI	КI	ΚI	. KL		present	Alive	genotype	was back in Kalande by Aug-08.
011-033		011-02-	1304	INA	IVII	IXL	IXL	IXL	IXL	IXL	IXL	IXL	IXL	IXL	IXL			Likely still	Alive	Visual identification and	was back in Naiande by Aug-oo.
Ch-088	F	Ch-086	2000	NA	N	N	N	N	В	KL	KL	ΚI	ΚI	KL	ΚI	. KL		present	Alive	genotype	Seen as newborn 15-Sep-02.
011 000		011 000	2000	1473						ILL					- '_			Likely still	711110	Visual identification and	Occil do newboni 10 ocp 62.
Ch-100	М	Ch-064	2001	NA	N	N	N	В	KL	KL	KL	KI	KI	KL	ΚI	. KL		present	Alive	genotype	
011 100		0 00 .	200.															Likely still	7 11110	gonotypo	
Ch-109	F	unk.	1999	NA	KL?	KL?	KL?	KI?	KL	ΚI	KL	KL	ΚI	KL	KI	KL		present	Alive	Genotype	Described as an adult female with sexual swelling when seen in 2005.
																		Likely still		Visual identification and	
Ch-110	M	Ch-093	2002	NA	N	N	N	N	В	KL	KL	KL	KL	KL	KL	. KL		present	Alive	genotype	Visited Kasekela Mar-06, Mar-08, but back in Kalande by Aug-08.
																		Likely still		32 - 37	
Ch-106	F	unk.	unk.	NA	KL?	KL?	KL?	KL?	KL?	KL	KL	KL	KL	KL	KL	. KL		present	Alive	Genotype	
																		Likely still			
Ch-118	M	Ch-089	2005	NA	N	N	N	N	N	N	N	В	KL	KL	KL	KL	_	present	Alive	Genotype	Possibly KLSM3.
																		Likely still			
Ch-121	F	unk.		NA	KL?	KL?	KL?	KL?	KL?	KL?	KL?	KL?	KL	KL	KL	KL		present	Alive	Genotype	
																		Likely still			BB-064 first seen 28-Jan-07 with its mother and was estimated to be 2-4 weeks
BB-064	unk	Ch-064	2007	NA	N	N	N	N	N	N	N	N	N	В	KL	. KL		present	Alive	Visual identification	old.
																		Likely still			
BB-093	unk	Ch-093	2009	NA	N	N	N	N	N	N	N	N	N	N	N	В		present	Alive	Visual identification	BB-093 was first seen 23-Jun-09.
				population		20	22	24	28	20	15	13	13	13	14	14					
	Maximum populatio				43	40	36	35	36	29	25	25	22	20	19	18	3				

¹ID, chimpanzee identification; individuals identified from genotyped fecal samples are named following the convention Ch-###, while chimpanzees not linked to genotyped samples are named with a code that indicates community of residence (KL, Kalande), age class (A, adult, S, subadult, I, immature), sex (M, male, F, female), and a number indicating the order in which they were named.

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²M, male; F, female; unk., unknown.

³Mother ID, identity of the mother; unk., unknown (see Methods and Table S5 for more information).

The year of departure is based on the last sighting or sampling of the individual in Kalande or their date of arrival in another community; NA, not applicable.

⁵The columns indicate the status of each individual at the start of the year, including community membership (KL, Kalande, KK, Kasekela, MT, Mitumba) and life history status (N, not yet born ,B, born during that year, D, dead). Question marks indicate that the individual's status is uncertain for that year. Each cell is color-coded to indicate the quality of evidence for the existence and residence location of each individual during that year (no color, status uncertain; tan, verbal report; light yellow, visual observation; light green, inferred to be present; dark green, genotyped fecal sample collected; blue, known or presumed to have died or emigrated).