

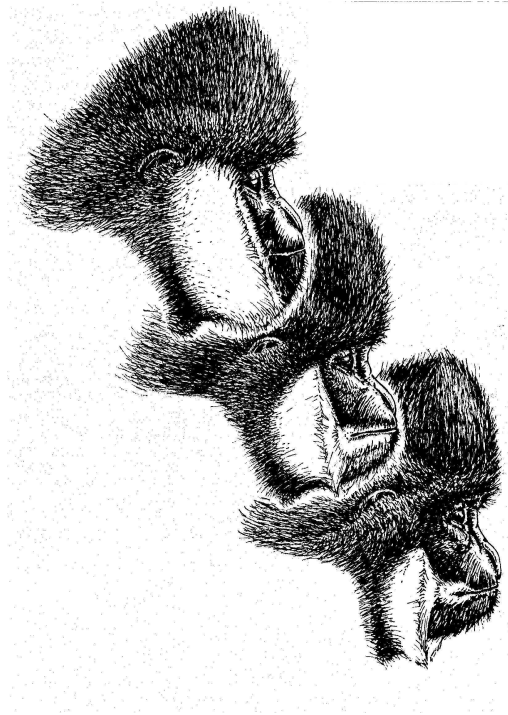
European Studbook Number 3 (*data 31.12.2007*)

Edited by Pierre Moisson & Claire Prieur

Northern White-cheeked Gibbon - *Nomascus leucogenys*

Southern White-cheeked Gibbon - *Nomascus siki*

Red-cheeked Gibbon - *Nomascus gabriellae*

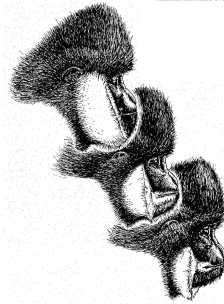


EUROPEAN STUDBOOK

Northern White-cheeked Gibbon - *Nomascus leucogenys*

Southern White-cheeked Gibbon - *Nomascus siki*

Red-cheeked Gibbon - *Nomascus gabriellae*



N°3

DECEMBER 2007

Published by Pierre MOISSON

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EUROPEAN STUDBOOK- UPDATE 2007

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INTRODUCTION

Dear Colleagues,

I am pleased to send you the 3th edition of this “black gibbons” studbook. As in previous years, this studbook includes data from Europe, Honk Kong and South Africa.

Thanks to the work of a Master trainee, Claire Prieur (with the very important help of Laurie Bingaman Lackey, thanks’ again Laurie!), data have been analysed for the first time by pm2000: see results page 10.

Thanks to all institutions that have sent their data and a special thanks to Claire who came in Alsace to learn about EEP, SPARKS, pm2000, studbooks and all these typical zoo business things!

Thank you again to Mulhouse gibbons’ team: Joelle Bago, Aline Drouin, Corinne Fromm, Frédéric Seyffarth, Alexis Le Gac for the care that they give to our animals under the daily supervision of Jean-françois Lefèvre, head keeper, and David Gomis, DVM.

Dr Vet. Pierre Moisson, August 2008

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Total number of institutions : 56

*New Institutions

ANALYSIS OF POPULATIONS

The following analyses are made with **SPARKS (v1.54)** and **pm2000 (v1.213)** with data until **December 31, 2007**. Depending on the species concerned, results have to be taken with precaution because of possible lack of certain information, small number of individuals or errors during first data acquisition. So this is a theoretical approach of the current captive populations.

Northern White-cheeked Gibbon - *Nomascus leucogenys*

DEMOGRAPHY

In **December 31, 2007** there were **79 (49.23.7)** living individuals in 30 European institutions.

In 2007, there were four **births (1.0.3)** at Apeldoorn, Duisburg, Mulhouse and Twycross. Four **deaths (3.1)** were also recorded, three males at La Ferrière, Montpellier and Usti and one female at Mulhouse.

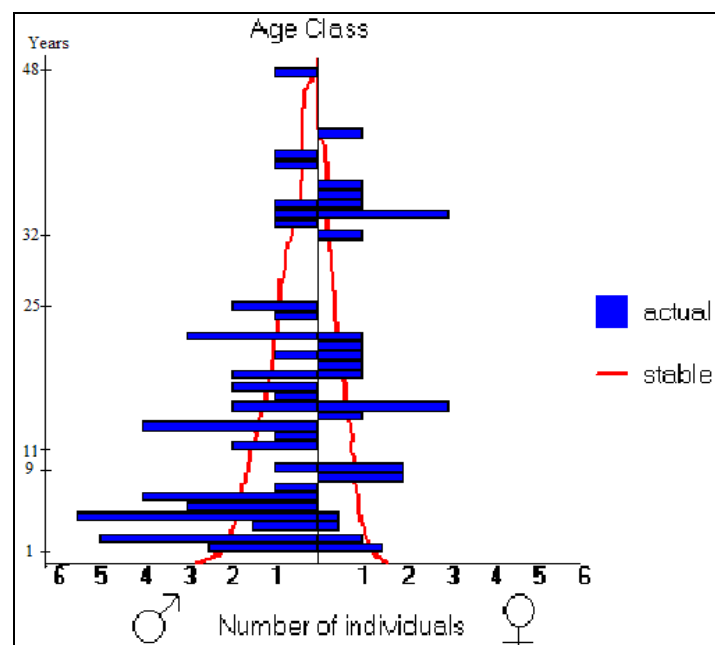
Many **transfers** were made during this period, and eleven individuals (**8.3**) were moved. One female was transferred to USA at Gibbon Conservation Center. Four new institutions joined the program : Cézalier, Frankfurt, Moulin and Sandwich (Rare Species Conservation Center). But one institution didn't answer our request (Kiskut) and we don't know about their animal.

All the following values are summarised at the end of these analyses.

In **Graph 1.1**, we can see the **Age distribution**. Pm2000 divides the unknown sex individuals ½ on each side of y axis. That's why the number of individuals is sometimes not an integer number. We can see an overall imbalance in the *sex ratio* in favour of males. We have 3 groups of age. The first one from, 1 to 9 years, is only made up of captive-born individuals. The second group from 11 to 25 years is composed of both wild and captive-born. And the last one from 32 to 48 years (the oldest individual still present at

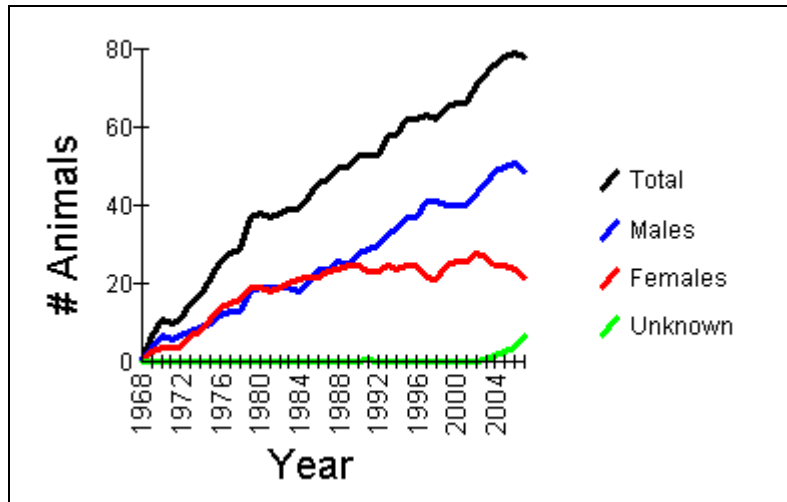
Lisieux) is almost composed of wild animals with one exception (#43 at Lisieux from wild sire #9 and wild dam #6).

The population is at the second generation (considering wild founders as generation 0).



Graph 1.1 : Age distribution

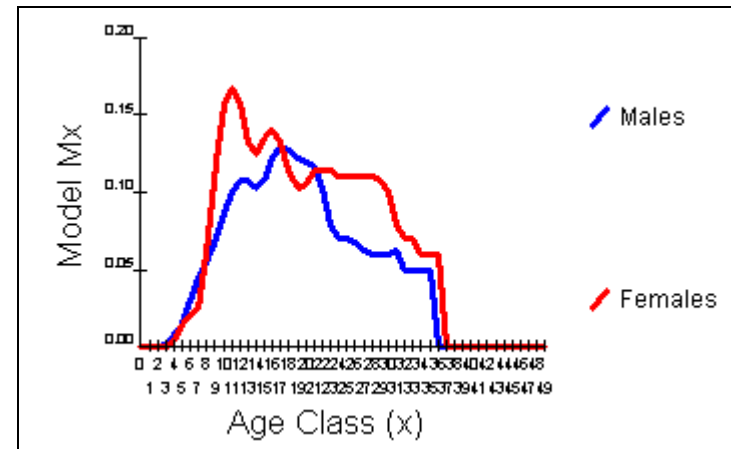
Graph 1.2 shows the evolution of the number of animals since the population is founded in 1968. After having smoothed the data of the **December 31, 2007** by pm2000, **lambda** (λ), the proportional change in population size from one year to the next, is $\lambda = 1,01105$. It means that the population grew by 1,11% in 2007. The **Intrinsic Rate of Increase** (**r**), which is the exponential rate at which a population with a stable age distribution grows, is $r = 0,011$.



Graph 1.2 : Census graph by sex

If this population continues to grow at this same rate, pm2000 projects that it could grow to 58 males and 37 females over the next 20 years.

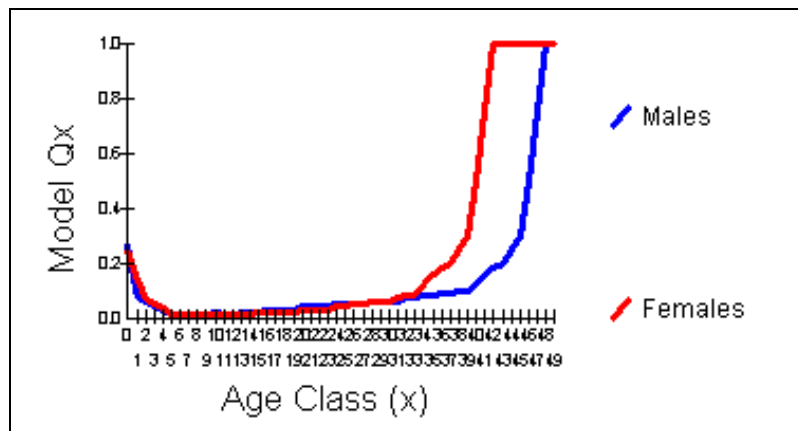
Graph 1.3 shows the **Fecundity rate** (**M_x**), the potential reproductive capacity. It's calculated in each age class from the average number of same-sexed young born to animals in that age class. Males reach full reproductive age by 17, and reproduction occurs between 4 and 36 years. Females reach full reproductive age by 11 and reproduction occurs between 6 years and 37 years. The **Generation Length** (**T**) for the living population is 17,63 years. It means that on average the individuals, males and females combined, reproduce at approximately 18 years old.



Graph 1.3 : Fecundity rate

The **30-day mortality** (both sexes) is 16,7% (19 of 114 neonates).

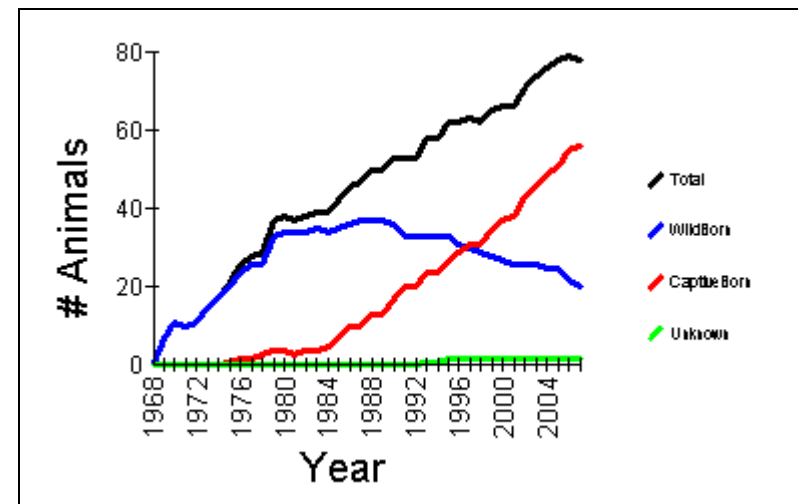
Mortality rate (Qx) in **Graph 1.4** is the probability that an individual of age x dies during a time period. For females and males, the rate at the age of 1 is higher than other ages because of the mortality at birth (the same pattern for almost all vertebrates). Until 5 years the rate is due to the mortality of young animals. The rate increases gradually and reaches 99% of risk to die (there is still a 0,01% chance they don't die in these age classes) at the age of 48 for males and 42 for females.



Graph 1.4 : Mortality rate

GENETICS

90,8 % of the **pedigree** is known so the analyses are quite realistic. The European captive population of *Nomascus leucogenys* was founded in 1967 but wild founders have produced descendants since 1976 (**Graph 1.5**).



Graph 1.5 : Census graph by birth type

In the studied population, **25 wild founders** produced the current living population (54 individuals). Pm2000 identifies 7 potential founders that could be used to improve the genetic diversity of our population (wild animals that are still alive and present in the European institutions and which have not yet reproduced). As later seen in Diagram 1.2, these individuals are not all breedable.

The number of founders has increased regularly since 1975 (since the first captive offspring). The time between 1968 and 1975 may be due to the maturity of wild-caught individuals. The increase in the number of founders stopped in 1997 (**Diagram 1.1**).

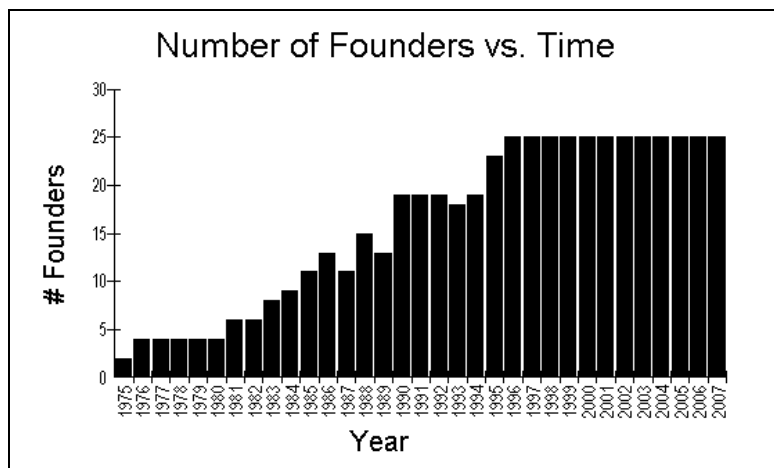


Diagram 1.1: Number of founders vs time

Diagram 1.2 represents the proportion of the genes in the descendant population that derives from a founder. We can see clearly that founders #14 and #13 are the most represented (13%) compared to the others. Individuals #1, #20, #27, #37, #52, #65 and #95 are theoretically interesting but female #27 is unfortunately dead in 2008, and individuals number #1, #20, #37 may be too old to breed (more than 30 years). Individuals #52, #65 and #95 could be able to breed. It's necessary to compare this proposal with the reality (behaviour, sterility, ...).

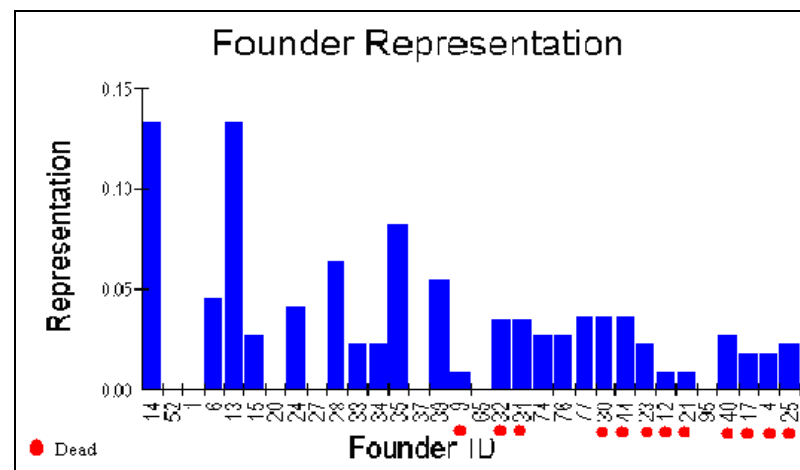


Diagram 1.2 : Founder's genes representation

Diagram 1.3 shows that founders #13 and #14 have the most descendants in the current living population. Then #35, 28, 31, 32, 39, 6 and 24. The individuals that have fewer descendants are #9, 12, 21 and 34 (only one young produced).

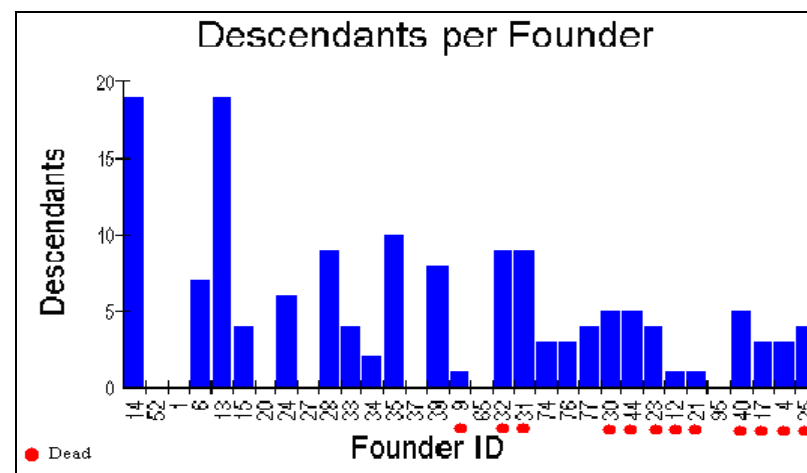
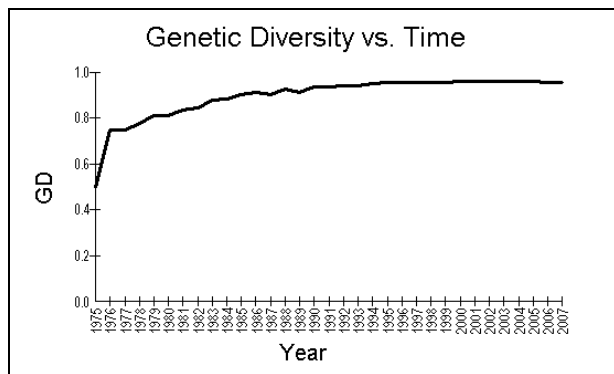


Diagram 1.3 : Number of descendants per Founder

The **Genetic Diversity (GD)** has increased since 1975 and is stabilized in 2007 near 0,96 (that mean 96%) (**Graph 1.6**).



Graph 1.6 : Genetic diversity vs Time

The Founder Genome Equivalents (FGE) in **Diagram 1.4** is the number of wild-caught individuals (founders) that would produce the same amount of gene diversity as does the population under study. The value increased until 2003 but has decreased since this date. In 2007, the genetic diversity of the current living population (79 animals) represents the genetic diversity of 11,66 wild animals.

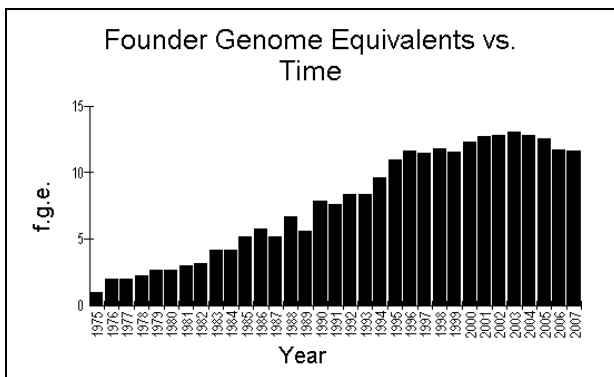
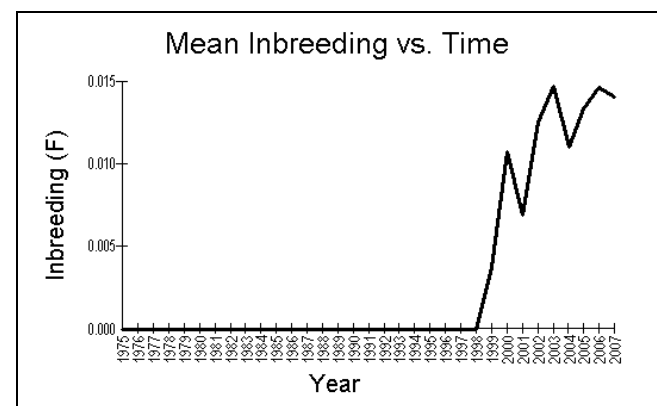


Diagram 1.4 : FGE vs. time

The history of the **Mean Inbreeding (Graph 1.7)** shows that since 1999, average inbreeding levels have increased due to reproduction between related individuals (for example, at Branféré, #97 with #87 has produced seven offspring but #11, which is the mother of #87, is also the sister of #97). In 2007, the average value is 0,014.



Graph 1.7 : Mean inbreeding vs time

In conclusion, the current European captive population of *Nomascus leucogenys* presents an imbalance of the *sex ratio* in favour of males. The number of individuals continues to increase despite a small deceleration. We project to have 95 animals in the 20 next years. The population has very good genetic value (high number of founders and low level of consanguinity). To make our population viable, EAZA asks to maintain at least 90% of the founder genetic diversity over 100 years. Our population, with its actual parameters, can't maintain this goal. So we have to continue reproductions between nonrelated and make exchanges between parks for the genetic mixing.

Southern White-cheeked Gibbon - *Nomascus gabriellae siki*

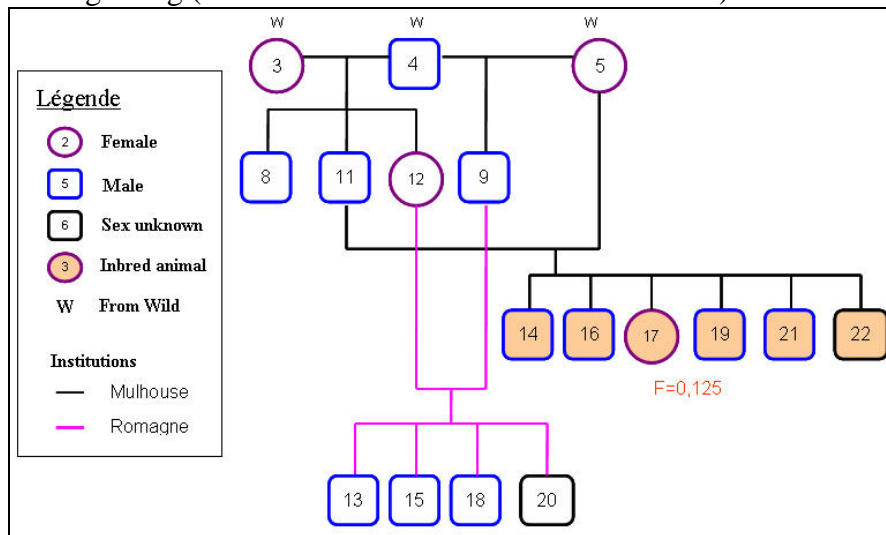
DEMOGRAPHY

In **December 31, 2007** there were **11 (7.2.2)** living individuals in 3 European institutions (Amsterdam, Mulhouse and Romagne). In the case of this population, we have few individuals so all results must be taken with caution.

In 2007, only one birth was recorded at Mulhouse. The sex is not yet identified. There were no other changes in death or transfer.

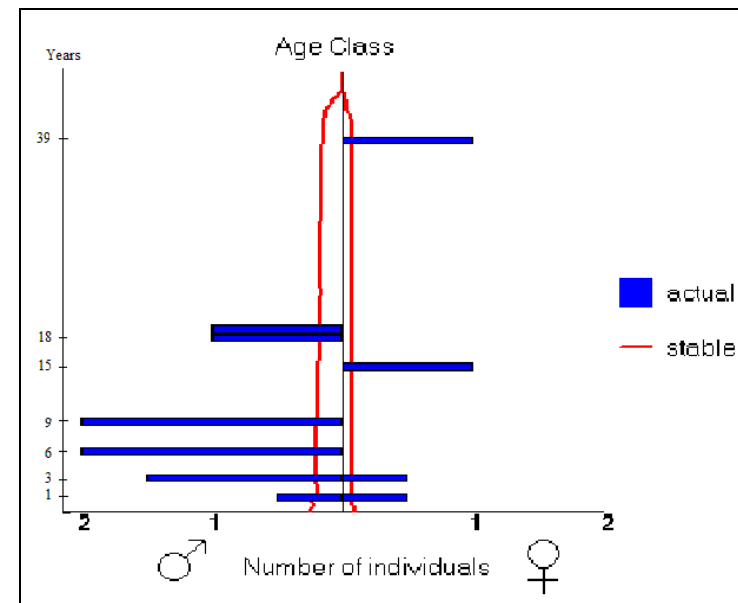
All the following values are summarised at the end of these analyses.

This is the genealogy of European captive population since the beginning (refer to Studbook number 1 for numbers).



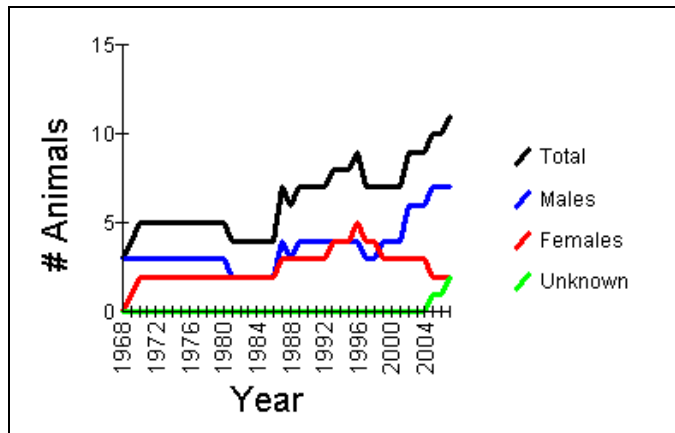
In **Graph 2.1**, we can see the **Age distribution**. It is clear that we have not enough individuals in the population to interpret this “pm2000 graph”, but we can see an obvious imbalance in the *sex ratio* in favour of males.

The population is at the second generation.



Graph 2.1 : Age distribution

As we have done before in *Nosmascus leucogenys* analysis, after having smoothed the data by pm2000, **lambda** (λ) is 0,9936. It means that the population is slightly decreasing compared to last year. The **Intrinsic Rate of Increase** (**r**) is -0,001 for males and -0,012 for females. It shows the diminution of the number of females (**Graph 2.2**).

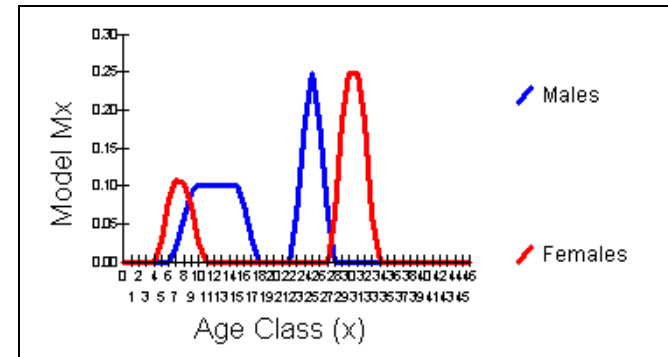


Graph 2.2 : Census graph by sex

If this population continues to grow at this same rate, pm2000 projects that it could grow to 9 males and 3 females over the next 20 years. Moreover, we suspect the two young with unknown sex to be males.

Graph 2.3 shows the **Fecundity rate** (**Mx**), the potential reproductive capacity (see *N. leucogenys* analysis for definition). Only 3 females and 3 males have already reproduced in that small population. We can't interpret the peaks because it's nonsignificant (due to a low number of individuals in all age classes). In conclusion, we can say that for both males and females reproduction occurs between 6 years and 35 years (raw data).

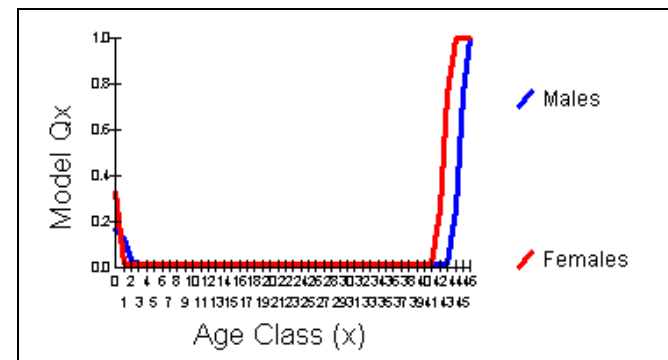
The **Generation Length** (**T**) is 21,365 years. It means that the middle age of reproduction for males and females is approximately 21 years.



Graph 2.3 : Fecundity rate

The **30-day mortality rate** (both sexes) is **21.4%** (3 of 14 neonates since the creation of the population).

Graph 2.4 shows the **Mortality rate** (**Qx**). Here we don't have enough individuals to determine precisely the tendency of the current population. For males and females, the mortality is important until 2 years (as the majority of vertebrates' populations). Individuals can live until 40 years.



Graph 2.4 : Mortality rate

GENETICS

The whole pedigree is known (100 % known) so the analysis is realistic.

In the studied population, **3 wild founders (Diagram 2.1)** produced the current living population (10 individuals). Founder # 5 is still alive at Romagne, that's why we have 11 individuals in total.

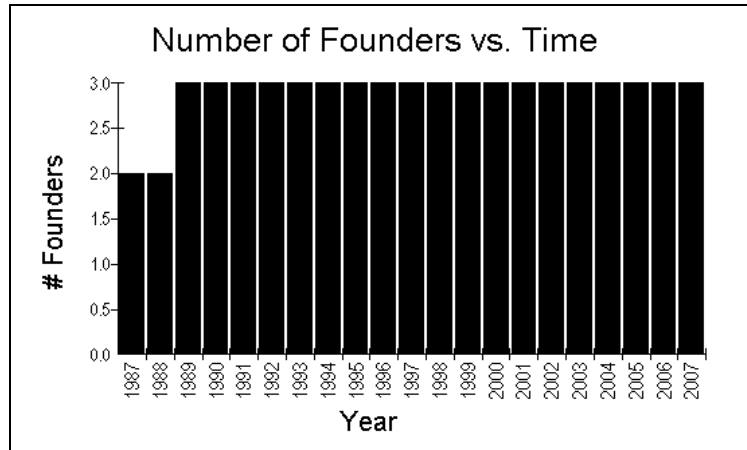


Diagram 2.1: Number of founders vs time

Diagram 2.2 presents the proportion of the genes in the descendant population that derives from that founder. We can see clearly that the founder # 4 is more represented (40%) than the two others, #3 and 5 (30%). But as we have few individuals, this difference is nonsignificant.

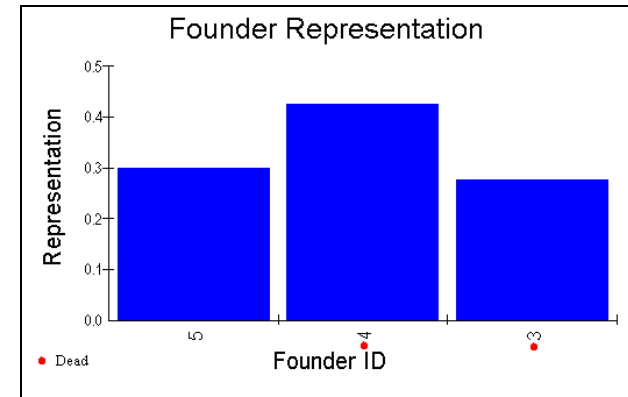


Diagram 2.2 : Founder's genes representation

Diagram 2.3 shows that the 3 founders are almost equivalents, in term of number of descendants, in the current living population.

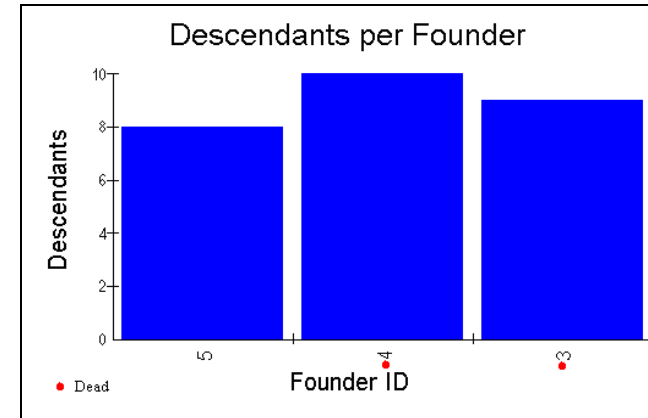
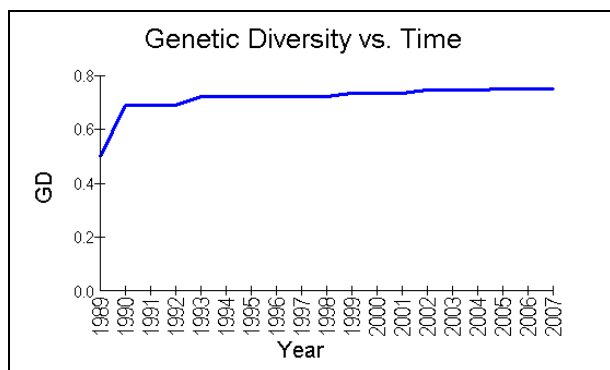


Diagram 2.3 : Number of descendants per Founder

The captive population of *Nomascus gabriellae siki* is recorded since 1968 but wild founders have only produced descendants since 1987. The genetic diversity increased after this date (**Graph 2.5**). In 2007, the **Genetic Diversity (GD)** of the population is about 75%.



Graph 2.5 : Genetic diversity vs Time

Despite the low number of individuals the **Founder Genome Equivalents (FGE)** doubled since 1987 (from 1 to 2). In 2007, the genetic diversity of the captive population represents the genetic diversity of 1,99 wild animals (**Diagram 2.4**).

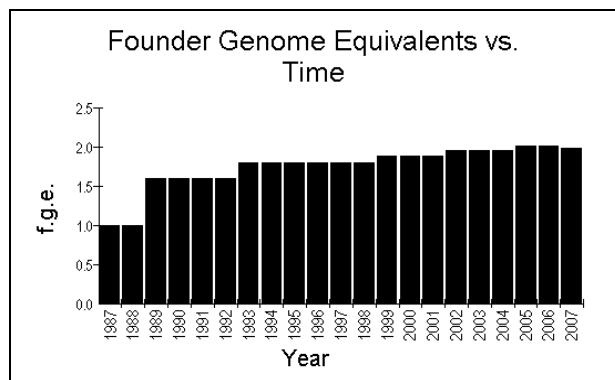
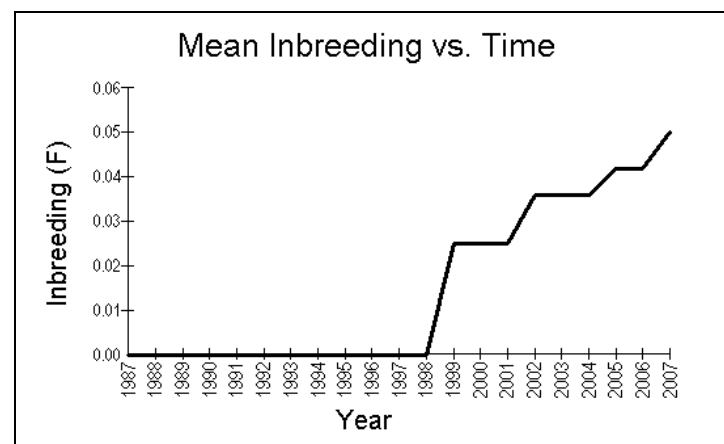


Diagram 2.4 : FGE vs. time

The **Mean Inbreeding (Graph 2.6)** of the current living population is 0,05. It's not a high value but we have few animals and we must reproduce them even if they are related. At Mulhouse, individuals (#14, 19 and 21) have a mean inbreeding of 0,125.



Graph 2.6 : FGE vs. time

In conclusion, the current European captive population of *Nomascus gabriellae siki* has a delicate management because of the small number of individuals and founders. Founder #5 which is a female must continue to reproduce with male #11 at Romagne. At Mulhouse male #9 and female #12 still reproduce even if they are related. We have no choice if we want to maintain this subspecies of gibbon. The best solution to this problem will be to introduce new individuals from another population (see Vietnam population).

Red-cheeked Gibbon - *Nomascus gabriellae gabriellae*

DEMOGRAPHY

In **December 31, 2007** there were **92 (41.39.12)** living individuals in 22 institutions. This studbook includes Hong Kong (China) and Pretoria (South Africa).

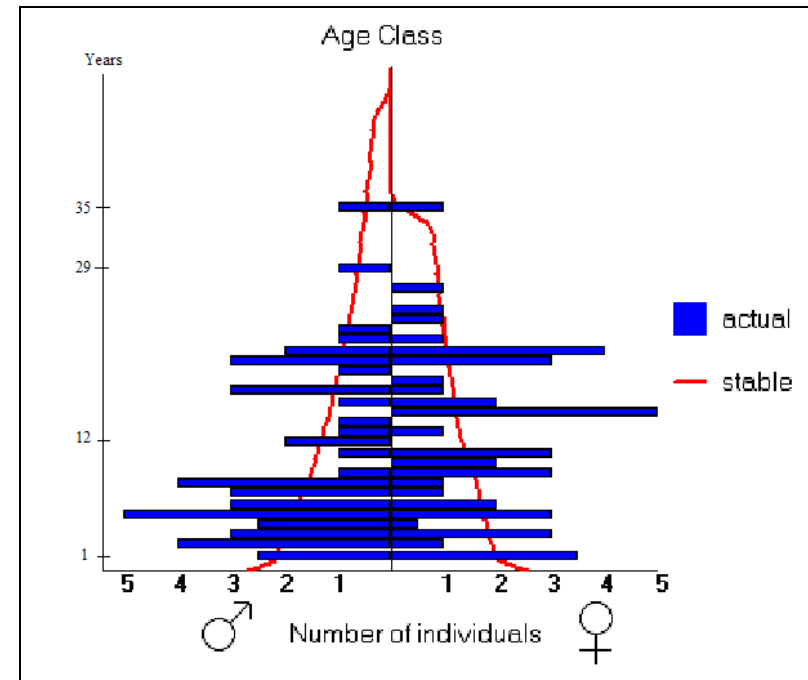
In 2007, there were seven **births (1.1.5)** at Eberswalde, Fontaine, Fuengirola, Hannover, Hong Kong, Jihlava and Warszawa but one male did not survive at Hannover. Only one **death (0.0.1)** was recorded at Hong Kong, a young born in 2006.

Few **transfers** were made during this period, and three individuals (**2.1**) were moved. One new institution joined the program this year : La Boissière in France. All the institutions answered to our request for updates.

All the following values are summarised at the end of these analyses.

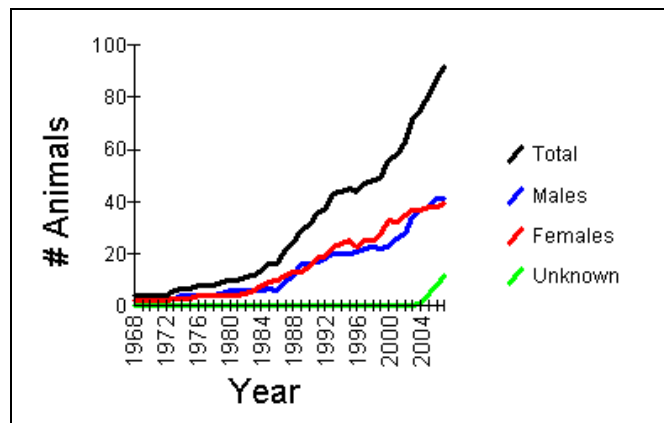
In **Graph 3.1**, we can see the **Age distribution**. We have a balanced *sex ratio* but the distribution of the individuals in the age classes does not perfectly follow the stable model. We can see 2 groups of ages. The first, from 0 to 11 years, includes the greatest number of animals. It shows an imbalance in the *sex ratio* in favour of males. The second group, from 12 to 29 years, shows a small imbalance in the *sex ratio* in favour of females. The oldest individuals are 35 years old and come from the wild (#6 and #7), the female is at Doué-la-Fontaine and the male at Fuengirola.

The population is at the second generation.



Graph 3.1 : Age distribution

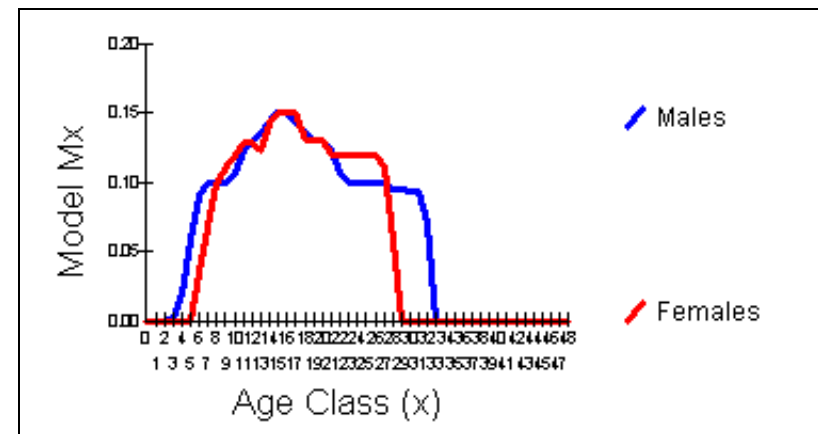
The European captive population of *Nomascus gabriellae gabriellae* is recorded since 1968 (**Graph 3.2**). After having smoothed the data by pm2000, **lambda** (λ) is 1,027. It means that the population increased by 2,7 % last year. The **Intrinsic Rate of Increase** (**r**) is 0,027.



Graph 3.2 : Census graph by sex

Graph 3.3 shows the **Fecundity rate** (**Mx**), the potential reproductive capacity. Females and males reach full reproductive age by 15. We can see that males reproduce between 4 and 34 years, and females reproduce between 6 and 29 years.

The **Generation Length** (**T**) for the living population is 15,16 years. It means that on average the individuals, males and females combined, reproduce at approximately 15 years old.

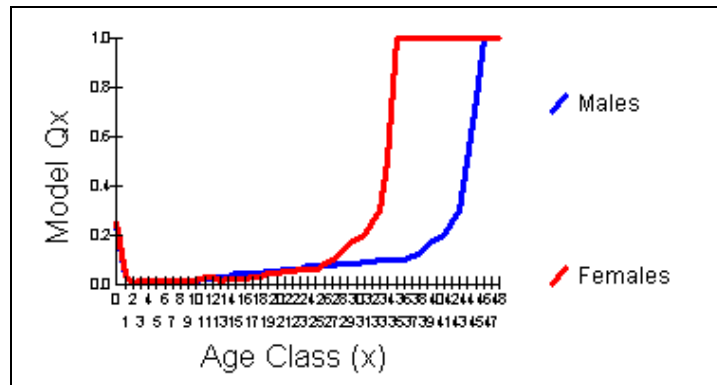


Graph 3.3 : Fecundity

If this population continues to grow at this same rate, pm2000 projects that it could grow to 91 males and 73 females over the next 20 years.

The **30-day mortality** (both sexes) is 21,1 % (20 of 95 neonates).

Graph 3.4 shows the **Mortality rate (Qx)**. For females and males, the rate is important the first year of life until 2 years (as approximatively all vertebrates' population). The rate increases progressively and reaches 99% of risk to die (there is still a 0,01% chance they don't die in these age classes) at the age of 46 for males and 35 for females. In this population, males can live longer than females.

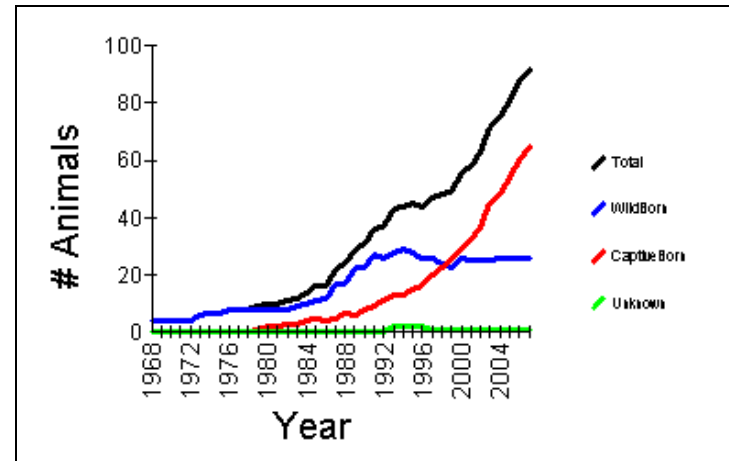


Graph 3.4 : Mortality rate

GENETICS

95,5 % of the **pedigree** is known so the analysis is quite realistic.

Wild founders have produced descendants since 1979 (**Graph 3.5**). **23 wild founders** produced the current living population (63 individuals). Pm2000 identifies 8 potential founders (wild animals that are still alive and present in the institutions and which have not yet reproduce). We'll see later these individuals in Diagram 3.2.



Graph 3.5 : Census graph by birth type

The number of founders increased regularly since 1979 (since first offspring). The addition of founders stopped in 2007 (**Diagram 3.1**) with last individuals at Monkeyworld (#75 and 86).

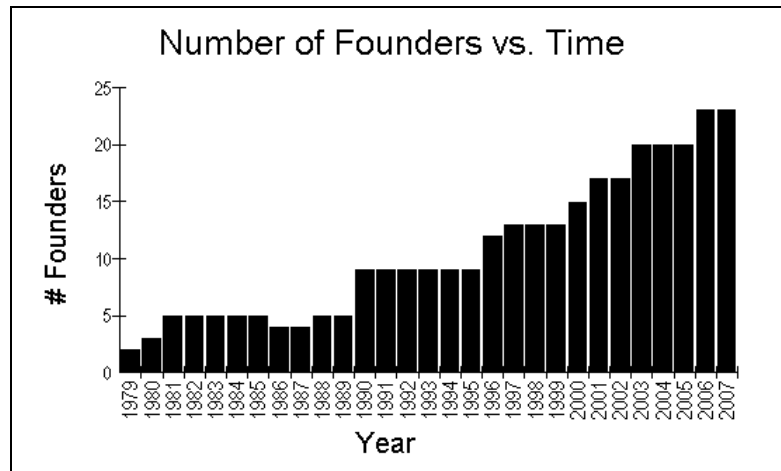


Diagram 3.1: Number of founders vs time

The **diagram 3.2** presents the proportion of the genes in the descendant population that derives from that founder. We can see clearly that the founder #7 is the most represented (10,71%) compared to the others. Individuals #19, #25, #29, #30, #37, #58, #60 and #68 are theoretically interesting. But we have to look their Mean Kinship value to confirm.

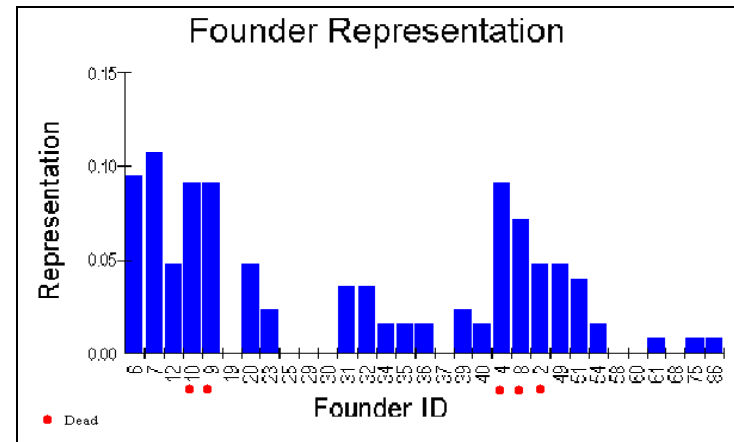


Diagram 3.2 : Founder's genes representation

The **Diagram 3.3** shows that founders #4 and #7 have the most descendants in the current living population. Then #6, 9 and 10. The individuals that have fewer descendants are #61, 68 and 75 (only one young produced).

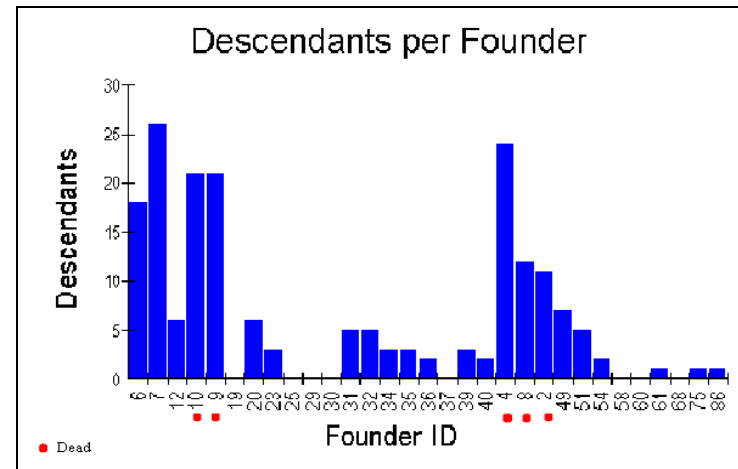
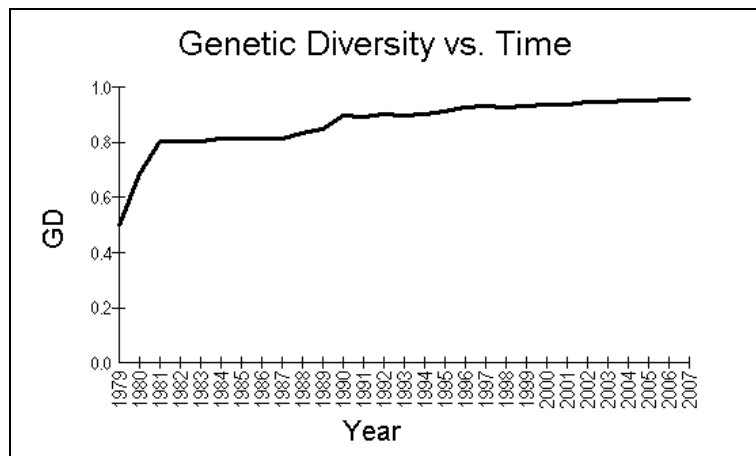


Diagram 3.3 : Number of descendants per Founder

The **Genetic Diversity (GD)** has increased since this date and is stabilized in 2007 near 96% (**Graph 3.6**).



Graph 3.6 : Genetic diversity vs Time

The **Founder Genome Equivalents (FGE)** in **Diagram 3.4** increases since 1979. In 2007, the genetic diversity of the population (92 animals) represents the genetic diversity of 11,26 wild animals (the optimal value is 30,54).

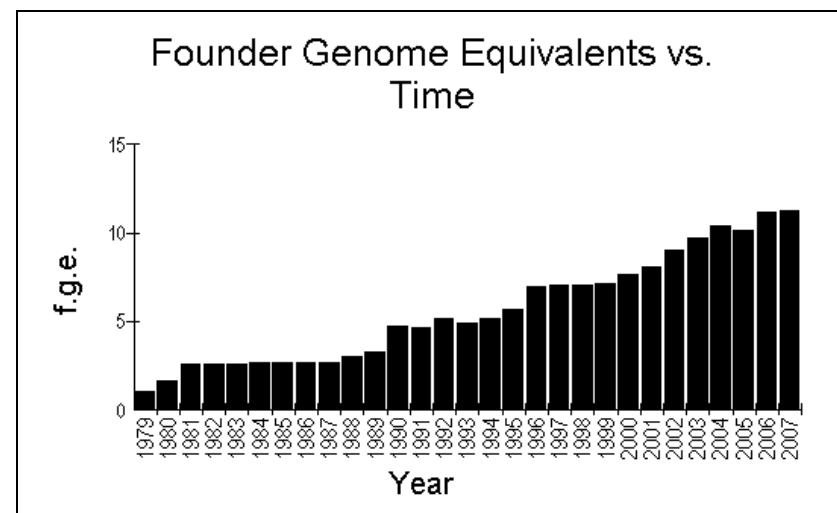


Diagram 3.4 : FGE vs. time

There is no **Mean Inbreeding** in the current living population. We must try to preserve that.

In conclusion, the current European captive population of *Nomascus gabriellae gabriellae* has a good demographic profile (no sex ratio imbalance) and is growing well. Genetically the population has very good values (high number of founders and no consanguinity). To make our population viable, EAZA asks to maintain more than 90% of the founder genetic diversity over 100 years. Our population, with its actual parameters, must maintain a minimum of 150 individuals. So we have to continue reproductions between non related.

ANALYSIS SUMMARY

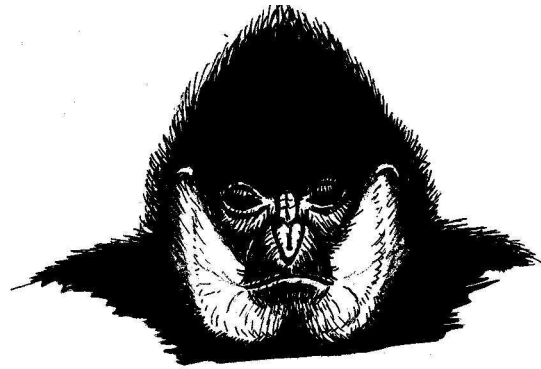
	<i>Nomascus leucogenys</i>			<i>Nomascus gabriellae siki</i>			<i>Nomascus gabriellae gabriellae</i>		
N (31/12/2007)	49.23.7 (79)			7.2.2 (11)			41.39.12 (92)		
Λ (lambda in %, growth per year)	Males : 1,0048	Females : 1,0173	Average : 1,01105	0,999	0,9881	0,99355	1,0316	1,0222	1,027
R (growth rate of a stable population)	0,0048	0,0172	0,011	-0,001	-0,012	-0,0065	0,0311	0,0219	0,027
T (generation time in years)	17,66	17,6	17,63	18,19	24,54	21,365	14,63	15,69	15,16
N (at 20 years)	58.37 (95)			8.3 (11)			91.73 (164)		
30-day mortality	16,7 % (19 of 114)			21,4 % (3 of 14)			27,3 % (18 of 66)		
Founders	25			3			23		
Potential founders	7 (not all viable)			0			8		
Living descendants	54			10			63		
Percent known of pedigree	90,70%			100%			95,50%		
Genetic diversity (GD)	0,9571			0,7488			0,9556		
Founder genome equivalents (fge)	11,66			1,99			11,26		
Mean Inbreeding (F)	0,014			0,05			0		
Population founded in	1968			1968			1968		
First offspring in	1975			1987			1979		

EUROPEAN STUDBOOK

European Studbook

Northern White-cheeked Gibbon (data 31.12.2007)

Nomascus leucogenys



NORTHERN WHITE-CHEEKED GIBBON– Current Population by location

Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Event | Rearing | Name | Transponder # |

=====

APELDOORN

108	F	18 Aug 1993	13	14	CLERES	18 Aug 1993	C93420	Birth	Parent	KANAK	
					FONTAINE	31 Aug 1999	57HC12	Loan to			
					APELDOORN	14 Mar 2000	2135	Loan to			
123	M	30 Sep 1996	33	25	HANNOVER	30 Sep 1996	II518	Birth	Parent	YUNNAN	00-01FA-1BEF
					PLANCKNDL	8 Nov 1997	131007	Loan to			00-000D-2D11
					APELDOORN	4 Jul 2001	2277	Loan to			
152	M	10 Feb 2003	123	108	APELDOORN	10 Feb 2003	2485	Birth	Parent	KIRIN	
					HANNOVER	10 Feb 2003	II923	Ownership			
162	M	19 Dec 2004	123	108	APELDOORN	19 Dec 2004	2725	Birth	Parent	XIANG	
172	?	11 Jan 2007	123	108	APELDOORN	11 Jan 2007	2962	Birth	Parent	LIJANG	

Totals: 3.1.1 (5)

ASSON

20	F	~ 1971	WILD	WILD	ASSON	1 Jan 1973	750	Transfer	Parent	SARA	
79	M	30 Nov 1986	13	14	CLERES	30 Nov 1986	C86001	Birth	Parent	MAX	
					PARIS ZOO	22 Jun 1991	Z91113	Loan to			
					ASSON	10 Apr 2002	2376	Loan to			

Totals: 1.1.0 (2)

NORTHERN WHITE-CHEEKED GIBBON- Current Population by location

CEZALIER

52	M	????	WILD	WILD	PARIS ZOO	13 Feb 1979	Z79011	Transfer	Parent	CLAUDE	00-063D-85D2
					LA PALMYR	24 Jun 1980	_____	Loan to			
					MULHOUSE	27 Jun 1985	850020	Transfer			
					ANTWERP	1 Nov 1989	M8971	Loan to			
					PLANCKNDL	8 Dec 1989	131004	Loan to			
					LISIEUX Z	2 Nov 1997	M97079	Loan to			
					CEZALIER	9 Aug 2007	_____	Loan to			

Totals: 1.0.0 (1)

CLERES

15	M	~ Sep 1969	WILD	WILD	LAOS	~ 1970	NONE	Capture	Unknown	SIKKI	
					CLERES	1 Apr 1970	C70002	Transfer			
88	F	9 Feb 1989	13	14	CLERES	9 Feb 1989	C89001	Birth	Parent	PEI	
157	M	13 Feb 2004	15	88	CLERES	13 Feb 2004	CA4003	Birth	Parent		

Totals: 2.1.0 (3)

DUISBURG

28	M	~ 1973	WILD	WILD	DUISBURG	28 Oct 1988	525	Transfer	Unknown	CHARLY	00-0643-EBA9
35	F	~ 1974	WILD	WILD	DUISBURG	23 Jan 1976	143	Transfer	Unknown	SOPHIE	00-0644-0676
137	F	7 Apr 2000	28	35	DUISBURG	7 Apr 2000	4046	Birth	Parent	SULU	00-0643-FFA5
148	M	27 Aug 2002	110	35	DUISBURG	27 Aug 2002	4515	Birth	Parent	CLIF	00-0643-917D
165	M	23 Mar 2005	?	35	DUISBURG	23 Mar 2005	4877	Birth	Parent	SATHA/WUKI?	
167	M	7 Apr 2006	28	35	DUISBURG	7 Apr 2006	5123	Birth	Parent	MERU	
175	?	3 Nov 2007	28	35	DUISBURG	3 Nov 2007	5506	Birth	Parent		

Totals: 4.2.1 (7)

NORTHERN WHITE-CHEEKED GIBBON- Current Population by location

EPARADISE

85	M	24 Jan 1988	44	30	LIBEREC	24 Jan 1988	609007	Birth	Unknown	ALEX			
					LOUROSA Z	1 Jul 1993	_____	Transfer					
					LAGOS ZOO	9 Sep 2000	_____	Transfer					
					PRIVATE	24 Aug 2001	_____	Transfer					
					EPARADISE	????	_____	Transfer					
Totals: 1.0.0 (1)													

FRANKFURT

130	M	25 Mar 1999	77	84	HANNOVER	25 Mar 1999	II574	Birth	Parent	JERRY	96800	00000	43623
					LEIPZIG	25 Mar 1999	M03033	Ownership					
					OSNABRUCK	6 Sep 2001	618	Loan to					
					FRANKFURT	6 Feb 2007	42622	Transfer					
151	M	9 Feb 2003	77	84	OSNABRUCK	9 Feb 2003	774	Birth	Parent	GOLUM	96800	00034	11828
					HANNOVER	9 Feb 2003	II925	Ownership					
					FRANKFURT	6 Feb 2007	42624	Transfer					
Totals: 2.0.0 (2)													

GDANSK

106	M	~ Jul 1993	UNK	UNK	GDANSK	27 Oct 1993	M00001	Transfer	Unknown	KLEMENS			
Totals: 1.0.0 (1)													

NORTHERN WHITE-CHEEKED GIBBON- Current Population by location

GUERNO

87	F	21 Oct 1988	15	41	CLERES GUERNO	21 Oct 1988 12 Dec 1996	C88181 _____	Birth Loan to	Parent	MADOUN	0006DA086
97	M	2 Jun 1991	13	14	CLERES GUERNO	2 Jun 1991 12 Dec 1996	C91166 _____	Birth Loan to	Parent		000642E4DE
164	?	10 Mar 2005	97	87	GUERNO	10 Mar 2005	_____	Birth	Parent	AKA	250229600014896
170	?	12 Dec 2006	97	87	GUERNO	12 Dec 2006	_____	Birth	Parent	CHELAWAK	

Totals: 1.1.2 (4)

HILVARENB

6	F	~ 1966	WILD	WILD	LAOS HANNOVER HILVARENB	???? 5 Oct 1969 12 Oct 1989 10 Jan 2002	NONE II/45 M66143 M66143	Capture Transfer Loan to Ownership	Unknown	MIETZI/MIZZI	
66	M	29 Jan 1983	31	32	LEIPZIG HANNOVER HILVARENB	29 Jan 1983 26 Jun 1985 13 May 1992 10 Jan 2002	_____ II/296 M83029 M83029	Birth Transfer Loan to Ownership	Parent	ERICH	
144	M	21 Feb 2002	66	6	HILVARENB	21 Feb 2002	M02005	Birth	Parent	YOUNG LU	00-063D-9C0E

Totals: 2.1.0 (3)

KISKUT/Gyor (no reply)

65	M	~ 1983	WILD	WILD	BUDAPEST KISKUT	10 Jun 1986 25 Oct 2001	000171 _____	Transfer Loan to	Unknown	DODO	
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Totals: 1.0.0 (1)

NORTHERN WHITE-CHEEKED GIBBON- Current Population by location

LA FRONTI/Jerez

115	M	4 Jul 1995	73	34	DUISBURG	4 Jul 1995	2933	Birth	Parent	RASCAL	00-0095-A78F
					FUENGIROL	31 Jan 2001	81	Transfer			
					LA FRONTI	11 Feb 2004	GIB1	Loan to			
119	M	22 Dec 1995	77	84	HANNOVER	22 Dec 1995	II497	Birth	Parent	TROM	00-0200-38C5
					FUENGIROL	5 Jul 2000	65	Loan to			
					LA FRONTI	11 Feb 2004	GIB2	Loan to			

Totals: 2.0.0 (2)

LAFERRIER/Ozoir

94	M	5 Sep 1990	21	12	LAFERRIER	5 Sep 1990	_____	Birth	Unknown		
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Totals: 1.0.0 (1)

LES SABLE

24	F	~ 1972	WILD	WILD	PARIS ZOO	13 Feb 1979	Z79015	Transfer	Unknown	XING	
					PARIS JP	26 Mar 1979	M79147	Transfer			
					FONTAINE	28 Jun 1989	57HC4	Loan to			
					LES SABLE	24 Mar 2000	57HC4	Loan to			
125	M	20 Sep 1997	92	24	FONTAINE	20 Sep 1997	57HC11	Birth	Unknown		
					LES SABLE	24 Mar 2000	57HC11	Loan to			
142	M	10 Oct 2001	92	24	LES SABLE	10 Oct 2001	57HC14	Birth	Parent		

Totals: 2.1.0 (3)

NORTHERN WHITE-CHEEKED GIBBON- Current Population by location

LIBEREC

34	F	~ 1974	WILD	WILD	DUISBURG LIBEREC	23 Jan 1977 1 Feb 2001	142 609011	Transfer Transfer	Parent	PUEPPI	00-0063-4768
96	M	4 May 1991	44	30	LIBEREC	4 May 1991	609008	Birth	Parent	MATIJ I	
107	M	7 Jul 1993	44	30	LIBEREC	7 Jul 1993	609009	Birth	Parent	MATIJ II	00-0601-3022
109	F	2 Sep 1993	UNK	UNK	BEIJING LIBEREC	2 Sep 1993 28 Jun 2002	_____ 609013	Birth Transfer	Parent	WEN-WEN	00-0616-0CCB
139	F	13 Nov 2000	115	34	DUISBURG LIBEREC	13 Nov 2000 1 Feb 2001	4185 609012	Birth Transfer	Parent	FILIPA	
155	M	18 Nov 2003	96	109	LIBEREC	18 Nov 2003	609014	Birth	Parent		
168	?	18 May 2006	96	109	LIBEREC	18 May 2006	609015	Birth	Parent		

Totals: 3.3.1 (7)

LISIEUX Z

1	M	~ 1960	WILD	WILD	LAOS AUGUSTIN LA PALMYR ASSON LISIEUX Z	???? 1 Jan 1970 28 Jan 1993 5 Apr 1995 4 Apr 2002	NONE _____ 1253 1586 M02030	Capture Transfer Transfer Loan to	Parent	CHUBAKA	00-063D-AB79
43	F	5 May 1976	9	6	HANNOVER PLANCKNDL LISIEUX Z	5 May 1976 16 Nov 1994 2 Nov 1997	II/142 131005 M97078	Birth Loan to Loan to	Parent	MOTJA	00-063D-DCDE

Totals: 1.1.0 (2)

LONDON RP

95	M	~ Nov 1990	WILD	WILD	LONDON RP	26 Apr 1997	A3565	Transfer	Unknown	JIMMY	
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Totals: 1.0.0 (1)

NORTHERN WHITE-CHEEKED GIBBON- Current Population by location

MONTPELLIER

27	F	~ 1973	WILD	WILD	LAOS	????	NONE	Capture	Unknown	250229600006044
					PARIS ZOO	13 Feb 1979	_____	Transfer		00-01D3-9293
					PARIS JP	26 Mar 1979	M79144	Transfer		
					AMSTERDAM	17 Sep 1986	M86058	Transfer		
					LA PALMYR	8 Sep 1999	2679	Transfer		
					MONTPELLIER	2 Oct 2006	M06209	Transfer		

Totals: 0.1.0 (1)

MOULIN

13	M	~ Aug 1968	WILD	WILD	LAOS	????	NONE	Capture	Unknown	LE GROS
					CLERES	28 Jun 1969	C69001	Transfer		
					PARIS ZOO	2 Mar 1993	_____	Loan to		
					CLERES	3 Mar 1993	C69001	Transfer		
					MOULIN	3 Apr 2007	_____	Loan to		
14	F	????	WILD	WILD	LAOS	????	NONE	Capture	Unknown	LA MERE
					CLERES	28 Jun 1969	C69002	Transfer		250 229 600 028 891
					MOULIN	17 Mar 2007	_____	Loan to		
158	M	15 Feb 2004	13	14	CLERES	15 Feb 2004	CA4004	Birth	Parent	250 229 600 029 645
					MOULIN	17 Mar 2007	_____	Loan to		
169	M	4 Dec 2006	13	14	CLERES	4 Dec 2006	CA6161	Birth	Parent	250 229 600 029 043
					MOULIN	17 Mar 2007	_____	Loan to		

Totals: 3.1.0 (4)

MULHOUSE

39	M	~ 1975	WILD	WILD	MULHOUSE	25 Mar 1983	830015	Transfer	Unknown	JACK
										00-0127CC47
91	F	1 Apr 1990	23	24	FONTAINE	1 Apr 1990	57HC6	Birth	Parent	CONNIE
					MULHOUSE	7 Dec 1996	960252	Loan to		00-0128-B21F
147	M	23 Jul 2002	39	91	MULHOUSE	23 Jul 2002	M02079	Birth	Parent	TAO
174	?	15 Aug 2007	39	91	MULHOUSE	15 Aug 2007	M07117	Birth	Parent	

Totals: 2.1.1 (4)

NORTHERN WHITE-CHEEKED GIBBON- Current Population by location

OLMENSE

62	M	????	UNK	UNK	CUSTOMS OLMENSE	???? 3 May 1995	_____ OZ0031	Transfer Transfer	Hand	JOEY/JOWIC	056098101056293
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Totals: 1.0.0 (1)

OSNABRUCK

77	M	~ 1986	WILD	WILD	USTI LEIPZIG HANNOVER OSNABRUCK	5 Sep 1987 12 Nov 1987 17 Jun 1989 6 Aug 2001	UL0551 M01217 II/353 616	Transfer Loan to Loan to Loan to	Hand	OTTI/OTIK	96800000042498
84	F	3 Sep 1987	66	6	HANNOVER OSNABRUCK	3 Sep 1987 6 Sep 2001	II/282 617	Birth Loan to	Hand	LENA	96800000051006
166	M	12 Mar 2006	77	84	OSNABRUCK	12 Mar 2006	1490	Birth	Parent	CARUSO	

Totals: 2.1.0 (3)

OSTRAVA

136	F	14 Dec 1999	76	74	USTI OSTRAVA	14 Dec 1999 12 Oct 2007	UL9950 205968	Birth Loan to	Parent		00-0144-019D
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Totals: 0.1.0 (1)

NORTHERN WHITE-CHEEKED GIBBON- Current Population by location

OVERLOON

69	M	20 Jun 1984	13	14	CLERES OVERLOON	20 Jun 1984 18 Jun 2001	C84001 300280	Birth Loan to	Parent	NONKEL	00-0211-8910
105	F	6 May 1993	28	35	DUISBURG FONTAINE APELDOORN OVERLOON	6 May 1993 11 May 1995 14 Mar 2000 19 Jun 2001	2102 57HC8 2136 300283	Birth Loan to Loan to Loan to	Hand	KANETTE	
149	M	12 Oct 2002	69	105	OVERLOON	12 Oct 2002	300417	Birth	Parent	MALOU	00-064D-B3F0
161	M	13 Dec 2004	69	105	OVERLOON	13 Dec 2004	300841	Birth	Parent	ZIBO	00-068B-9116
171	M	14 Dec 2006	69	105	OVERLOON	14 Dec 2006	301222	Birth	Parent	YUNNAN	

Totals: 4.1.0 (5)

PLANCKNDL

33	M	~ 1974	WILD	WILD	INDOCHINA HILVARENB HANNOVER PLANCKNDL	~ 1974 26 Feb 1976 13 May 1992 8 Nov 1997	NONE M76019 II/417 131006	Birth Transfer Loan to Loan to	Unknown	PAULTJE	00-01C9-472E
132	F	15 Nov 1999	39	91	MULHOUSE ANTWERP PLANCKNDL	15 Nov 1999 14 Mar 2007 11 Apr 2007	990273 M10786 131010	Birth Loan to Loan to	Parent	PAQUITA	250 229 600 046 750

Totals: 1.1.0 (2)

SANDWICH

117	M	2 Aug 1995	13	14	CLERES OSTRAVA SANDWICH	2 Aug 1995 18 Jun 2002 27 Jun 2007	C95268 202028 SCC077	Birth Loan to Loan to	Parent	KUKPHONG	00-0213-4018
126	M	21 Nov 1997	13	14	CLERES OSTRAVA SANDWICH	21 Nov 1997 18 Jun 2002 27 Jun 2007	C97347 202029 SCC076	Birth Loan to Loan to	Parent	LAOS	00-0212-E514

Totals: 2.0.0 (2)

NORTHERN WHITE-CHEEKED GIBBON- Current Population by location

SZEGED

114	M	10 May 1995	76	74	USTI SZEGED	10 May 1995 28 Dec 1996	950015 1	Birth Loan to	Hand	KASZAT	00-0204-03EB
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Totals: 1.0.0 (1)

TWYCROSS

37	F	~ 1974	WILD	WILD	TWYCROSS	24 Jul 1977	54	Transfer	Unknown	CLARA
100	M	10 Feb 1992	39	40	MULHOUSE TWYCROSS	10 Feb 1992 14 Jan 1997	920009 2028	Birth Loan to	Parent	EARL
112	F	28 Oct 1994	4	17	PORTLAND TWYCROSS	28 Oct 1994 19 Oct 2000	94161 3570	Birth Transfer	Parent	KAMPUCHEA 00-0133-789D
159	M	13 May 2004	100	112	TWYCROSS	13 May 2004	4344	Birth	Hand	ETHAN
173	M	4 May 2007	100	112	TWYCROSS	4 May 2007	5001	Birth	Parent	ELLIOT

Totals: 3.2.0 (5)

USTI (no reply)

74	F	~ 1986	WILD	WILD	VIETNAM USTI	???? 23 May 1987	NONE 930121	Capture Transfer	Unknown	FEA
76	M	~ 1986	WILD	WILD	USTI	19 Nov 1987	930120	Transfer	Unknown	TODIK II
160	?	10 Oct 2004	76	74	USTI	10 Oct 2004	UL0430	Birth	Parent	

Totals: 1.1.1 (3)

WINGST ZO

71	F	????	UNK	UNK	WINGST ZO	????	_____	Transfer	Unknown	
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Totals: 0.1.0 (1)

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TOTALS : 49.23.7 (79)

NORTHERN WHITE-CHEEKED GIBBON– Current Hybrid population

Nomascus leucogenys hybrids : 5.3.1 (9)

<u>1</u> : <i>Nomascus gabriellae</i> studbook	<u>1</u> : <i>Nomascus siki</i> studbook
<u>1</u> : <i>Nomascus leucogenys</i> studbook	<u>1</u> : <i>Nomascus concolor</i>

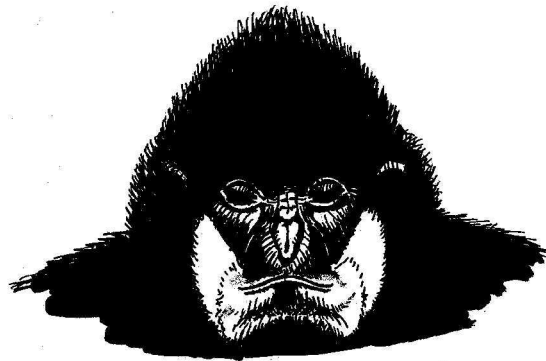
H8	F	6 Nov 1981	<u>10</u>	<u>3</u>	MULHOUSE	6 Nov 1981	810070	Birth	Parent	LEUxSIK	
					LA PALMYR	27 Jun 1985	23	Transfer			
					LA FLECHE	24 Sep 1991	215	Transfer			
*H13	M	25 Nov 1986	<u>1</u>	<u>16</u>	TWYCROSS	25 Nov 1986	52	Birth	Hand	CONCxLEU	
					COMBE MAR	12 Mar 1989	_____	Transfer			
H16	M	18 Oct 1987	<u>1</u>	<u>16</u>	TWYCROSS	18 Oct 1987	53	Birth	Hand	CONCxLEU	
					FARJESTAD	11 Jul 1990	_____	Transfer			
H18	F	23 Oct 1988	<u>1</u>	<u>16</u>	TWYCROSS	23 Oct 1988	_____	Birth	Hand	CONCxLEU	
					FARJESTAD	11 Jul 1990	_____	Transfer			
H29	M	8 Sep 1996	<u>65</u>	<u>7</u>	BUDAPEST	8 Sep 1996	001075	Birth	Hand	LEUxSIK	
					KISKUT	20 Nov 1997	_____	Loan to			
						8 Dec 1997	_____	Transfer			
H34	M	6 Jul 2000	<u>95</u>	<u>61</u>	LONDON RP	6 Jul 2000	A4415	Birth	Parent	LEUxGAB	00-0604-1BA3
H36	F	31 Jan 2003	<u>95</u>	<u>61</u>	LONDON RP	31 Jan 2003	2279	Birth	Parent	LEUxGAB	00-060D-A863
					EDINBURGH	15 Sep 2004	M04104	Loan to			
H37	M	17 Sep 2001	H9	H8	LA FLECHE	17 Sep 2001	220	Birth	Parent	LEUxGABxSIK	
					EPARADISE	2 Oct 2006					
H38	?	16 Jun 2005	H9	H8	LA FLECHE	16 Jun 2005	482	Birth	Parent	LEUxGABxSIK	
H39	M	13 Oct 2007	H9	H8	LA FLECHE	13 Oct 2007	1570	Birth	Parent	LEUxGABxSIK	
					LA FLECHE	13 Nov 2007	1570	Death [HADX]			

* No reply

European Studbook

Southern White-cheeked Gibbon (data 31.12.2007)

Nomascus gabriellae siki



SOUTHERN WHITE-CHEEKED GIBBON – Current Population by location

Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Event | Rearing | Name | Transponder # |

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AMSTERDAM

15	M	5 Dec 1999	11	5	MULHOUSE AMSTERDAM	5 Dec 1999 4 Nov 2004	990278 M04110	Birth Loan to	Parent	PIMKY	250229600010162
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Totals: 1.0.0 (1)

MULHOUSE

9	M	23 Dec 1989	4	5	MUNICH MULHOUSE	23 Dec 1989 17 Jan 1991	021005 910003	Birth Transfer	Parent	DORIAN	250229600016209
12	F	13 Jun 1993	4	3	MULHOUSE	13 Jun 1993	930068	Birth	Parent	FANY	
14	M	7 Jul 1999	9	12	MULHOUSE	7 Jul 1999	990200	Birth	Hand	POPAUL	
19	M	19 Aug 2002	9	12	MULHOUSE	19 Aug 2002	M02088	Birth	Parent	TAI-TCHI	250229600016540
21	M	25 Oct 2005	9	12	MULHOUSE	25 Oct 2005	M05131	Birth	Parent	HANOI	
22	?	13 Nov 2007	9	12	MULHOUSE	13 Nov 2007	M07144	Birth	Parent		

Totals: 4.1.1 (6)

SOUTHERN WHITE-CHEEKED GIBBON – Current Population by location

ROMAGNE

5	F	~ Sep 1969	WILD	WILD	LAOS	????	NONE	Capture	Unknown	CHARLOTTE	250229600009415
					CLERES	1 Apr 1970	C70003	Transfer			
					PARIS JP	13 Mar 1985	_____	Loan to			
					CLERES	26 Mar 1985	C70003	Transfer			
					MULHOUSE	11 May 1989	890155	Loan to			
					MUNICH	1 Jun 1989	021004	Loan to			
					MULHOUSE	17 Jan 1991	890155	Loan to			
					ROMAGNE	2 Apr 2004	575	Loan to			
11	M	18 Aug 1990	4	3	MUNICH	18 Aug 1990	021006	Birth	Parent	DUFFY	250229600009654
					MULHOUSE	18 Aug 1990	910004	Ownership			
						17 Jan 1991	910004	Transfer			
					ROMAGNE	2 Apr 2004	576	Loan to			
18	M	18 Aug 2002	11	5	MULHOUSE	18 Aug 2002	M02087	Birth	Parent	TOKAY	250229600010158
					ROMAGNE	2 Apr 2004	577	Loan to			
20	?	19 Mar 2005	11	5	ROMAGNE	19 Mar 2005	663	Birth	Parent	KALAWAIT	250229600013092
Totals: 2.1.1 (4)											

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TOTALS: 7.2.2 (11)

SOUTHERN WHITE-CHEEKED GIBBON – Current Hybrid Population

Nomascus siki hybrids : 4.3.1 (8)

1 : *Nomascus gabriellae* studbook 1 : *Nomascus siki* studbook
 I : *Nomascus leucogenys* studbook

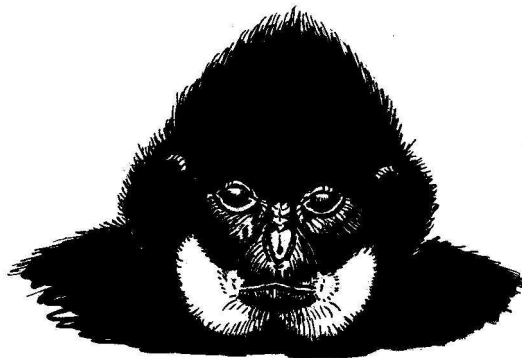
H2	F	13 Mar 1973	1	3	PARIS ZOO	13 Mar 1973	Z73052	Birth	Parent	SIKxGAB	
*H6	M	10 Dec 1980	1	5	CLERES	10 Dec 1980	C80002	Birth	Parent	GABxSIK	
					PARIS JP	19 May 1988	_____	Loan to			
					CLERES	30 Jun 1988	C80002	Transfer			
					LA FLECHE	22 Mar 1989	213	Transfer			
					AUGUSTIN	1 Jul 1998	_____	Transfer			
					LE VIGEN	18 Mar 2001	_____	Transfer			
H8	F	6 Nov 1981	10	3	MULHOUSE	6 Nov 1981	810070	Birth	Parent	LEUxSIK	
					LA PALMYR	27 Jun 1985	23	Transfer			
					LA FLECHE	24 Sep 1991	215	Transfer			
H9	M	18 Dec 1982	1	5	CLERES	18 Dec 1982	C82006	Birth	Parent	GABxSIK	
					PARIS JP	19 May 1988	_____	Loan to			
					CLERES	30 Jun 1988	C82006	Transfer			
					LA FLECHE	22 Mar 1989	214	Transfer			
H22	F	~ 1991	WILD	WILD	MULHOUSE	27 Apr 1993	930054	Transfer	Unknown	GABxSIK	00-0008-BC11
					AMSTERDAM	4 Nov 2004	M04111	Loan to			
H29	M	8 Sep 1996	65	7	BUDAPEST	8 Sep 1996	001075	Birth	Hand	LEUxSIK	
					KISKUT	20 Nov 1997	_____	Loan to			
						8 Dec 1997	_____	Transfer			
H37	M	17 Sep 2001	H9	H8	LA FLECHE	17 Sep 2001	220	Birth	Parent	LEUxGABxSIK	
					MONTEMOR	2 Oct 2006					
H38	?	16 Jun 2005	H9	H8	LA FLECHE	16 Jun 2005	482	Birth	Parent	LEUxGABxSIK	
H39	M	13 Oct 2007	H9	H8	LA FLECHE	13 Oct 2007	1570	Birth	Parent	LEUxGABxSIK	
					LA FLECHE	13 Nov 2007	1570	Death [HADX]			

* No reply

European Studbook

Red-cheeked Gibbon (data 31.12.2007)

Nomascus gabriellae gabriellae



RED-CHEEKED GIBBON – Current Population by location

Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Event | Rearing | Name | Transponder # |
 =====

AGRATE

53	M	14 Mar 1992	2	6	MULHOUSE AGRATE	14 Mar 1992 10 Jan 1997	920016 1075	Birth Transfer	Parent	EUDES	
57	F	10 Mar 1993	28	21	FONTAINE CLERES AGRATE	10 Mar 1993 12 Dec 1996 10 Jan 1997	60HC3 C96497 1076	Birth Transfer Transfer	Parent	ODETTE	
102	F	1 Sep 2002	53	57	AGRATE	1 Sep 2002	1430	Birth	Hand		968000004722471
109	F	17 Jun 2003	53	57	AGRATE	17 Jun 2003	1455	Birth	Hand		

Totals: 1.3.0 (4)

BESANCON

56	F	6 Mar 1993	13	8	HONG KONG BESANCON	6 Mar 1993 21 Dec 2000	930003 B00128	Birth Transfer	Parent	GABRIELLE	00-01C6-3864
66	M	26 May 1996	49	45	MULHOUSE BESANCON	26 May 1996 12 Feb 2001	960138 B01008	Birth Transfer	Parent	MANOS	250229600019916
106	M	12 Feb 2003	66	56	BESANCON	12 Feb 2003	B03003	Birth	Parent	LEELOO	985101020062975
128	?	8 Dec 2005	66	56	BESANCON	8 Dec 2005	B05179	Birth	Parent		

Totals: 2.1.1(4)

RED-CHEEKED GIBBON – Current Population by location

BOISSIERE

98	M	27 Nov 2001	48	52	WARSAW	27 Nov 2001	S5360	Birth	Parent	OBI	00-0689-FCC3
					BOISSIERE	27 Jun 2007	PGF1	Transfer			
101	F	6 Apr 2002	36	40	BRATISLAV	6 Apr 2002	M1857	Birth	Hand	NATALIA	000015EB57
					BOISSIERE	1 Nov 2007	095400	Transfer			

Totals: 1.1.0 (2)

BOJNICE

25	F	~ 1986	WILD	WILD	VIETNAM N	~ 1986	NONE	Capture	Unknown	JOZEFINA	00-0123-FBEA
					MOSCOW	18 Feb 1987	A00339	Transfer			
					BUDAPEST	16 Mar 1991	000173	Loan to			
					BOJNICE	28 Jun 1994	M00527	Loan to			
					BRATISLAV	11 Sep 1996	D11996/3	Loan to			
					BOJNICE	12 Jun 2002	M00527	Loan to			
36	M	~ 1988	WILD	WILD	SAIGON	~ 1989	_____	Transfer	Unknown	SERVAC	00-0015-E249
					USTI	26 Oct 1989	_____	Transfer			
					DECIN	24 May 1990	_____	Transfer			
					USTI	27 Jun 1991	_____	Transfer			
					BOJNICE	19 May 1993	M00040	Transfer			
					BRATISLAV	11 Sep 1996	119961	Transfer			
					BOJNICE	12 Jun 2002	M00040	Transfer			
37	M	~ 1988	WILD	WILD	SAIGON	~ 1989	_____	Transfer	Unknown	BONIFAC	00-0015-EAF3
					USTI	26 Oct 1989	_____	Transfer			
					DECIN	24 May 1990	_____	Transfer			
					USTI	27 Jun 1991	_____	Transfer			
					BOJNICE	19 May 1993	M00041	Transfer			
					BRATISLAV	11 Sep 1996	119962	Transfer			
					BOJNICE	12 Jun 2002	M00041	Transfer			
40	F	~ Jun 1988	WILD	WILD	OSIJEK	????	_____	Transfer	Parent	MISA	00-001F-4057
					LJUBLJANA	10 Aug 1991	PM0005	Transfer			
					BOJNICE	15 Apr 1998	M00044	Transfer			
					BRATISLAV	15 Apr 1998	D150498	Loan to			
					BOJNICE	12 Jun 2002	M00044	Transfer			
80	F	27 Mar 1999	48	52	WARSAW	27 Mar 1999	S4487	Birth	Parent	MIGO	00-0601-D86B
					BOJNICE	29 Sep 2005	M00784	Transfer		LILI	

Totals: 2.3.0 (5)

RED-CHEEKED GIBBON – Current Population by location

BRATISLAV

64	F	24 Apr 1995	12	20	JIHLAVA BRATISLAV	24 Apr 1995 18 Jul 2005	5 M1977	Birth Transfer	Unknown	ZUZANA	00-01C0-42E4
95	M	24 May 2001	36	40	BRATISLAV	24 May 2001	M1815	Birth	Hand	OLIVER	00001F4057
Totals: 1.1.0 (2)											

CLERES

62	M	28 Nov 1994	7	4	HONG KONG CLERES	28 Nov 1994 20 Dec 2001	940004 CA1119	Birth Transfer	Parent	BAKMAT	
76	F	18 Aug 1998	49	45	MULHOUSE CLERES	18 Aug 1998 2 Feb 2006	980215 CA6000	Birth Transfer	Parent	OLEA	250 229 600 015 988
Totals: 1.1.0 (2)											

EBERSWALD

23	M	~ Dec 1985	WILD	WILD	VIETNAM SAIGON LEIPZIG HOYERSWER LEIPZIG EBERSWALD	???? ~ 1986 4 Jun 1987 1 Jul 1987 14 Sep 1987 6 Dec 1996	NONE _____ M00275 _____ M00275 _____ _____	Capture Transfer Transfer Transfer Transfer	Unknown	LII	
39	F	~ Apr 1988	WILD	WILD	WILD SAIGON LEIPZIG EBERSWALD	???? ~ 1988 26 Jan 1989 29 May 1989	NONE _____ M00277 _____ _____	Capture Transfer Transfer Transfer	Hand	NAM KATJE	
108	M	1 Jun 2003		39	EBERSWALD	1 Jun 2003	_____	Birth	Hand	SAMMY	
117	?	5 May 2004		39	EBERSWALD	5 May 2004	_____	Birth	Unknown		
136	F	15 May 2007		39	EBERSWALD	15 May 2007	_____	Birth	Parent		
Totals: 2.2.1 (5)											

RED-CHEEKED GIBBON – Current Population by location

EDINBURGH

61	F	~ Nov 1993	WILD	WILD	LONDON RP EDINBURGH	26 Apr 1997 15 Sep 2004	A3566 M04I03	Transfer Transfer	Unknown	LUCY	00-060D-BD6E
87	M	22 May 2000	31	32	LJUBLJANA EDINBURGH	22 May 2000 18 Feb 2005	PM0003 M05B03	Birth Transfer	Parent	JON	705060000010368
129	M	7 Feb 2006	87	61	EDINBURGH	7 Feb 2006	M06B01	Birth	Parent	CHEEKY	
Totals: 2.1.0 (3)											

FONTAINE

6	F	~ 1973	WILD	WILD	UNKNOWN THOIRY MULHOUSE THOIRY MULHOUSE FONTAINE	???? 13 Apr 1973 23 Nov 1983 15 Mar 1984 17 Apr 1985 11 Dec 1996	NONE 73001 830019 73001 830019 60HC5	Capture Transfer Transfer Transfer Transfer	Unknown	TAI	
28	M	7 Aug 1986	9	10	LOSANGELE MULHOUSE FONTAINE	7 Aug 1986 10 Jan 1992 8 Mar 1993	95141 920002 60HC1	Birth Transfer Transfer	Unknown	YANG MENG	
107	F	11 May 2003	28	6	FONTAINE	11 May 2003	60HC8	Birth	Parent		
125	?	9 Aug 2005	28	6	FONTAINE	9 Aug 2005	60HC9	Birth	Parent		
141	?	20 Nov 2007	28	6	FONTAINE	20 Nov 2007	60HC10	Birth	Parent		
Totals: 1.2.2 (5)											

FUENGIROL

7	M	~ 1973	WILD	WILD	WILD HONG KONG FUENGIROL	???? 16 Aug 1974 11 Feb 2004	NONE 740002 666	Capture Transfer Transfer	Unknown	CHINO	00-0639-2A49
74	F	18 Nov 1997	28	6	FONTAINE FUENGIROL	18 Nov 1997 30 May 2003	60HC6 595	Birth Transfer	Parent	NANCY	00-061C-3C1A
123	?	13 Jun 2005	7	74	FUENGIROL	13 Jun 2005	863	Birth	Parent		
140	?	30 Sep 2007	7	74	FUENGIROL	30 Sep 2007	1130	Birth	Parent		
Totals: 1.1.2 (4)											

RED-CHEEKED GIBBON – Current Population by location

HANNOVER

15	F	15 Jul 1981	9	10	LOSANGELE	15 Jul 1981	94241	Birth	Parent	ROBIN	968000000686449
					MULHOUSE	10 Jan 1992	920003	Loan to			
					OSNABRUCK	31 Jan 1995	244	Loan to			
					HANNOVER	6 Sep 2001	II646	Loan to			
						16 Mar 2006		Purchase from L.A			
43	M	1 Dec 1988	13	8	HONG KONG	1 Dec 1988	880003	Birth	Parent	CHANG	968000000687547
					OSNABRUCK	8 Feb 1995	245	Loan to			
					HANNOVER	6 Sep 2001	II647	Loan to			

Totals: 1.1.0 (2)

HONG KONG

44	M	13 Jun 1989	9	10	LOSANGELE	13 Jun 1989	95737	Birth	Unknown	MELEKAT	00-0635-1C4B
					CINCINNAT	12 Jan 1994	194009	Transfer			
					HONG KONG	26 Aug 1995	950032	Transfer			
47	F	28 Jan 1991	13	8	HONG KONG	28 Jan 1991	910002	Birth	Parent		00-01C6-E949
71	F	15 Feb 1997	44	8	HONG KONG	15 Feb 1997	970004	Birth	Parent	HKF10	00-0638-A824
79	F	28 Dec 1998	44	8	HONG KONG	28 Dec 1998	980072	Birth	Parent		00-01CF-BDAC
91	M	30 Oct 2000	44	47	HONG KONG	30 Oct 2000	A00033	Birth	Parent		00-01F6-BAA9
93	F	26 Dec 2000	44	8	HONG KONG	26 Dec 2000	A00044	Birth	Parent		00-0638-6E61
96	M	25 Jun 2001	51	42	PRETORIA	25 Jun 2001	908691	Birth	Parent		00-0659-216F
					HONG KONG	24 Feb 2005	A30010	Transfer			
112	M	11 Oct 2003	44	47	HONG KONG	11 Oct 2003	A30072	Birth	Parent		00-0639-3508
127	?	18 Nov 2005	44	47	HONG KONG	18 Nov 2005	A50036	Birth	Parent		
138	?	6 Jul 2007	44	47	HONG KONG	6 Jul 2007	A70027	Birth	Parent		

Totals: 4.4.2 (10)

RED-CHEEKED GIBBON – Current Population by location

JIHLAVA

12	M	~ 1979	WILD	WILD	VIETNAM DVURKRALV OLOMOUC JIHLAVA	~ 1979 ~ 1985 29 Dec 1988 20 Dec 1989	NONE _____ _____ 047001	Capture Transfer Transfer Transfer	Unknown	VILDA	00-01BF-9DFC
20	F	~ 1984	WILD	WILD	VIETNAM DVURKRALV OLOMOUC JIHLAVA	~ 1984 ~ 1984 31 Mar 1989 20 Dec 1989	NONE _____ _____ 047002	Capture Transfer Transfer Transfer	Unknown	IVANA	00-01C4-B9ED
84	F	16 Aug 1999	12	20	JIHLAVA	16 Aug 1999	047003	Birth	Parent	SUNY	00-05FD-8CE1
113	M	14 Nov 2003	12	20	JIHLAVA	14 Nov 2003	047004	Birth	Parent	DAN	11-0638-7A9A
126	F	1 Oct 2005	12	20	JIHLAVA	1 Oct 2005	047005	Birth	Parent	HANUS	968000003535698
142	?	29 Nov 2007	12	20	JIHLAVA	29 Nov 2007	047006	Birth	Parent		

Totals: 2.3.1 (6)

LA PALMYRE

90	F	5 Oct 2000	28	6	FONTAINE LA PALMYR	5 Oct 2000 16 Jun 2006	60HC7 4074	Birth Transfer	Parent		250229600020355
92	M	25 Nov 2000	49	45	MULHOUSE LA PALMYR	25 Nov 2000 10 Aug 2006	M-0104 4171	Birth Transfer	Parent	ROBIN	250229600015095

Totals: 1.1.0 (2)

RED-CHEEKED GIBBON – Current Population by location

LEIPZIG

19	F	~ 1983	WILD	WILD	VIETNAM	????	NONE	Capture	Unknown	MINNI	968000005186376
					SAIGON	~ 1985	_____	Transfer			
					LEIPZIG	21 Nov 1986	M00278	Transfer			
					HOYERSWER	8 Dec 1986	_____	Loan to			
					LEIPZIG	14 Sep 1987	M00278	Transfer			

Totals: 0.1.0 (1)

LJUBLJANA

31	M	~ Jun 1987	WILD	WILD	VIETNAM	????	NONE	Capture	Unknown	LIPING	705230000070236
					HANOI	~ 1989	_____	Transfer			
					USTI	26 Oct 1989	930122	Transfer			
					DECIN	24 May 1990	_____	Transfer			
					USTI	27 Jun 1991	930122	Transfer			
					OHRADA	29 Jul 1997	_____	Transfer			
					LJUBLJANA	1 Dec 1998	PM0002	Transfer			
32	F	~ Jun 1987	WILD	WILD	OSIJEK	????	_____	Transfer	Unknown	LILING	705230000069895
					LJUBLJANA	10 Aug 1991	PM0001	Transfer			
104	M	26 Sep 2002	31	32	LJUBLJANA	26 Sep 2002	PM0007	Birth	Parent	MAL	705230000072880
116	M	4 Apr 2004	31	32	LJUBLJANA	4 Apr 2004	PM0008	Birth	Parent		705230000067828
134	M	7 Nov 2006	31	32	LJUBLJANA	7 Nov 2006	PM0009	Birth	Parent		705230000073946

Totals: 4.1.0 (5)

RED-CHEEKED GIBBON – Current Population by location

MONKEYWRL

29	F	~ 1987	WILD	WILD	PINGTUNG MONKEYWRL	???? 19 Jul 2000	_____ _____	Transfer Transfer	Hand	ZOEY	000Z034A75	
30	F	~ 1987	WILD	WILD	PINGTUNG MONKEYWRL	???? 19 Jul 2000	_____ _____	Transfer Transfer	Hand	ALEX	0001C8E8A7	
60	F	~ 1993	WILD	WILD	VIETNAM CUSTOMS KALININGR MONKEYWRL	???? ???? 8 Feb 1998 22 May 2002	NONE _____ 100534 _____	Capture Transfer Transfer Transfer	Parent	VIETTA	985100005297008	
63	M	4 Feb 1995		9	10	LOSANGELE DENVER HOGLE MONKEYWRL	4 Feb 1995 19 Nov 1998 24 Oct 2001 23 Nov 2004	96274 980429 U01107 _____	Birth Transfer Transfer Transfer	Parent	JAKE	030-034-603
68	M	~ 1997	WILD	WILD	CUSTOMS MONKEYWRL	???? 3 Apr 2004	_____ _____	Transfer Transfer	Hand	TITO	205229600000483	
75	F	~ 1998	WILD	WILD	CUSTOMS MONKEYWRL	???? 25 Aug 2000	_____ _____	Transfer Transfer	Hand	PEANUT	985100005472510	
81	M	26 May 1999		51	42	PRETORIA MONKEYWRL	26 May 1999 1 Sep 2004	907650 _____	Birth Transfer	Parent	RAFAEL	00-0144-71FC
86	M	~ 2000	WILD	WILD	PINGTUNG MONKEYWRL	???? 21 Jul 2001	_____ _____	Transfer Transfer	Hand	PUNG-YO	0005FC56BB	
131	M	18 Jul 2006		86	75	MONKEYWRL	18 Jul 2006	_____	Birth	Parent	TIEN	
Totals: 5.4.0 (9)												

RED-CHEEKED GIBBON – Current Population by location

MULHOUSE

45	F	6 Jan 1990	2	6	MULHOUSE	6 Jan 1990	900001	Birth	Parent	CHLOE	250229600015230
49	M	~ Oct 1991	WILD	WILD	WILD MULHOUSE	???? 27 Apr 1993	NONE 930052	Capture Transfer	Unknown	DAN	00-0008-C770
103	M	18 Sep 2002	49	45	MULHOUSE	18 Sep 2002	M02093	Birth	Parent	TONKIN	250229600017692
132	?	13 Sep 2006	49	45	MULHOUSE	13 Sep 2006	M06105	Birth	Parent		
Totals: 2.1.1 (4)											

OLMENSE

58	F	~ Jun 1993	WILD	WILD	VIETNAM S PARIS ZOO FONTAINE CLERES OLMENSE	~ Dec 1993 26 Mar 1994 21 Apr 1995 30 Apr 1997 12 Jun 1997 15 Dec 2006	NONE Z94113 60HC4 C97171 C97171 OZ0736	Capture Transfer Loan to Loan to Ownership Transfer	Parent	PU MAT	
Totals: 0.1.0 (1)											

OLOMOUC

34	M	~ 1987	WILD	WILD	VIETNAM HANOI USTI OLOMOUC	???? ~ 1987 19 Nov 1987 10 Jun 1988	NONE _____ 930123 3464	Capture Transfer Transfer Transfer	Unknown	KUBA	
35	F	~ 1987	WILD	WILD	VIETNAM HANOI USTI OLOMOUC	???? ~ 1987 19 Nov 1987 10 Jun 1988	NONE _____ 930124 3374	Capture Transfer Transfer Transfer	Unknown	GABINA	
54	F	~ 1992	WILD	WILD	VIETNAM OLOMOUC	???? 29 Aug 2000	NONE 5371	Capture Transfer	Hand	MILOUC	
67	M	24 Jul 1996	34	35	OLOMOUC	24 Jul 1996	4644	Birth	Parent	KUBULA	
100	M	22 Feb 2002	12	20	JIHlava OLOMOUC	22 Feb 2002 11 Jul 2007	8 6683	Birth Transfer	Parent		00-062E-F3F4
110	F	9 Jul 2003	67	54	OLOMOUC	9 Jul 2003	5979	Birth	Parent	RONY	00 0638 6A5C
133	?	21 Oct 2006	67	54	OLOMOUC	21 Oct 2006	6544	Birth	Parent		
Totals: 3.3.1 (7)											

RED-CHEEKED GIBBON – Current Population by location

PRETORIA (no reply)

42	F	10 Nov 1988	7	4	HONG KONG PRETORIA	10 Nov 1988 11 Oct 1992	880002 903232	Birth Loan to	Parent	CHEYANE	00-013B-D1A7
51	M	~ Oct 1991	WILD	WILD	WILD MULHOUSE PRETORIA	???? 27 Apr 1993 12 Oct 1994	NONE 930053 904589	Capture Transfer Loan to	Unknown		00-0008-C7DE
70	F	3 Feb 1997	51	42	PRETORIA	3 Feb 1997	906047	Birth	Parent		
114	M	21 Nov 2003	51	42	PRETORIA	21 Nov 2003	910840	Birth	Parent		
122	M	23 Jan 2005	51	42	PRETORIA	23 Jan 2005	911970	Birth	Hand	FRANZI	
Totals: 3.2.0 (5)											

WARSAW

48	M	14 Jul 1991	7	4	HONG KONG WARSAW	14 Jul 1991 10 Mar 1995	910001 S3368	Birth Transfer	Parent	GUCIO	00-0601-04E3
52	F	~ Mar 1992	UNK	UNK	WARSAW	9 Sep 1993	S3093	Transfer	Unknown	BONIA	
115	M	24 Nov 2003	48	52	WARSAW	24 Nov 2003	S6025	Birth	Parent	ROMEK	
137	?	24 May 2007	48	52	WARSAW	24 May 2007	S6268	Birth	Parent		
Totals: 2.1.1 (4)											

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TOTALS: 41.39.12 (92)

RED-CHEEKED GIBBON – Current Hybrid Population

[Nomascus gabriellae hybrids : 4.2.1 \(7\)](#)

1 : *Nomascus gabriellae* studbook 1 : *Nomascus siki* studbook

l : *Nomascus leucogenys* studbook 1 : *Nomascus concolor*

H2	F	13 Mar 1973	1	3	PARIS ZOO	13 Mar 1973	Z73052	Birth	Parent	SIKxGAB	
*H6	M	10 Dec 1980	1	5	CLERES	10 Dec 1980	C80002	Birth	Parent	GABxSIK	
					PARIS JP	19 May 1988	_____	Loan to			
					CLERES	30 Jun 1988	C80002	Transfer			
					LA FLECHE	22 Mar 1989	213	Transfer			
					AUGUSTIN	1 Jul 1998	_____	Transfer			
					LE VIGEN	18 Mar 2001	_____	Transfer			
H9	M	18 Dec 1982	1	5	CLERES	18 Dec 1982	C82006	Birth	Parent	GABxSIK	
					PARIS JP	19 May 1988	_____	Loan to			
					CLERES	30 Jun 1988	C82006	Transfer			
					LA FLECHE	22 Mar 1989	214	Transfer			
H34	M	6 Jul 2000	95	61	LONDON RP	6 Jul 2000	A4415	Birth	Parent	LEUxGAB	00-0604-1BA3
H36	F	31 Jan 2003	95	61	LONDON RP	31 Jan 2003	2279	Birth	Parent	LEUxGAB	00-060D-A863
					EDINBURGH	15 Sep 2004	M04104	Loan to			
H37	M	17 Sep 2001	H9	H8	LA FLECHE	17 Sep 2001	220	Birth	Parent	LEUxGABxSIK	
					MONTEMOR	2 Oct 2006					
H38	?	16 Jun 2005	H9	H8	LA FLECHE	16 Jun 2005	482	Birth	Parent	LEUxGABxSIK	
H39	M	13 Oct 2007	H9	H8	LA FLECHE	13 Oct 2007	1570	Birth	Parent	LEUxGABxSIK	
					LA FLECHE	13 Nov 2007	1570	Death [HADX]			

* No reply