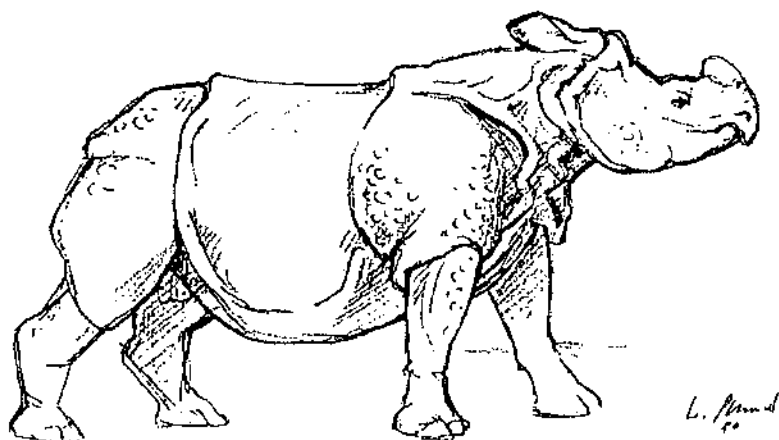


INTERNATIONAL STUDBOOK

2000

GREATER ONE-HORNED RHINOCEROS
RHINOCEROS UNICORNIS LINNÉ, 1758



ZOO BASEL

**International Studbook
for the
Greater One-Horned Rhinoceros
Rhinoceros unicornis Linné, 1758**

Report date 31 December 2000

6661

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ZOO BASEL

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Introduction

I would like to thank all the zoos and institutions that keep Greater one-horned rhinoceros for their cooperation which allows me to keep and update this studbook every year. Of the 50 institutions, 34 responded to our annual questionnaire. All the data of the annual reports returned by 15 March 2001 have been considered in this edition of the studbook.

Thanks too to Dr. Samuel Zschokke, Department of Integrative Biology, Section Conservation Biology (director Prof. Dr. B. Baur), University of Basel, who has carried out the demographic and genetic analyses of this studbook.

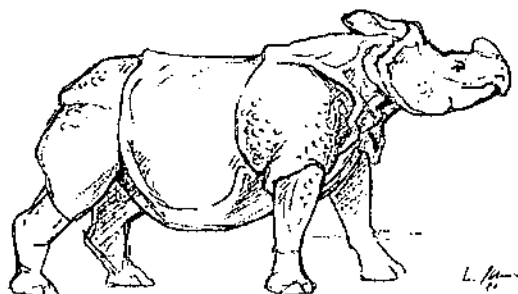
Thank you very much for your good cooperation.

Gabriele Wirz-Hlavacek
International Studbook Keeper

Biological Data

Greater one-horned rhinoceros

- Distribution:** Northern India, Southern Nepal
- Population status:** endangered, CITES Appendix I
- Habitat:** floodplains, riverine grasslands, marshlands, not far from water
- Food:** grass, leaves, twigs, fruit
- Behaviour:** solitary, except mother-calf units, sometimes groups of subadults
- Reproduction:** one calf
- Birth weight:** 64.3 kg (44 – 90.6 kg)
- Gestation length:** 479.1 days (459 – 496 days)
- Oestrus cycle:** 36 to 58 days
- Interbirth interval:** 3 years
- First reproduction:** males 9 years, females 5 years
- In captivity:** female 4 years and 77 days
male 7 years and 7 months
- Sizes and weights:** body weight: males 2000 - 2700 kg, females 1300 – 2200 kg
shoulder height: males 1.60 – 1.90 m, females 1.55 – 1.70 m
length: 2.7 – 3.5 m
one horn, horn length: 20 – 61 cm
- Longevity:** In Philadelphia, the male rhino Jim died on 6 December 1904 after 40 years and 140 days in captivity



Species Status

The Greater one-horned rhinoceros is classified as an endangered species, listed in CITES Appendix I. The main threats to this species are the loss of its habitat and poaching for the horn.

The International Studbook for the Greater one-horned rhinoceros lists a total of 268 animals. 72 males and 65 females (137) were alive on 31 December 2000 and were kept in 50 institutions.

Captive propagation in zoos and other conservation centres plays an important role in the conservation of the Greater one-horned rhinoceros. Controlled breeding programmes aim to maximise the preservation of genetic diversity in captivity. It is very important for us, the studbook keeper and the species coordinator, that all institutions which keep Greater one-horned rhinoceroses do cooperate.

Demographic and Genetic Analysis

Demographic Analysis

On 31 December 2000, the International Studbook recorded 137 (72.65) Greater one-horned rhinoceroses kept in 50 zoos and wild parks in Asia, North America and Europe. Of these 137 rhinoceroses, 98 (56.42 = 72%) were captive-born. The age structure is reasonably healthy (Fig. 1) with some shortage of sub adult males and females. During the last two years, no individuals were imported from the wild.

The captive population grew steadily until 1991, when it had reached 126 (73.53) individuals. During the next six years, the population size remained more or less the same. Since 1997, it has started to grow again (Fig. 2). Since the mid 1980's, on average about six rhinoceroses were born every year, of which four to five survived (Fig. 3).

Sex ratio

In zoo-born *R. unicornis*, the sex ratio is male-biased from birth to an age of 5 years (Table 1). At sexual maturity (which occurs at different ages in the two sexes), there is still a tendency for a male-biased sex ratio, whereas in 20-year old individuals, males and females occur in similar proportions.

Despite this male-biased sex ratio in captive-born individuals, the overall sex ratio in the current captive population is fairly balanced, because more females than males were imported from the wild.

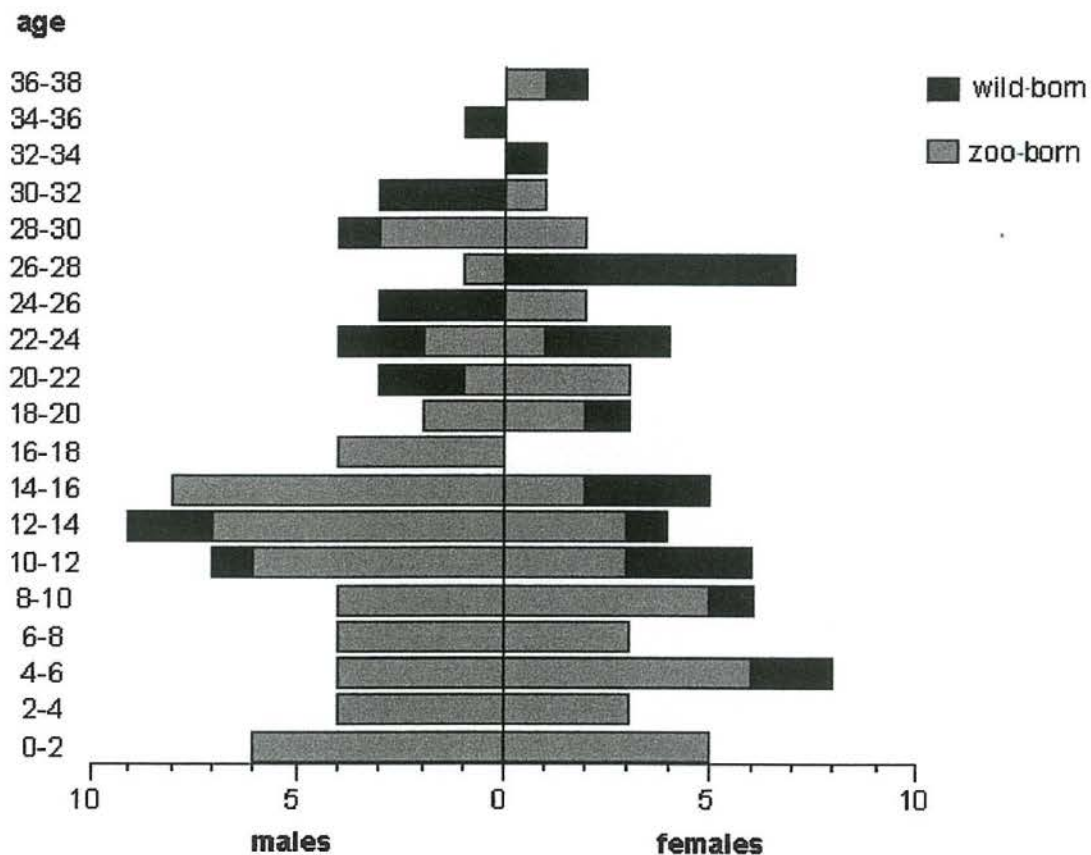


Fig. 1 – Age structure of the captive population of the Greater one-horned rhinoceros. There is one wild-born male with unknown age (Stud# 157), which has been omitted

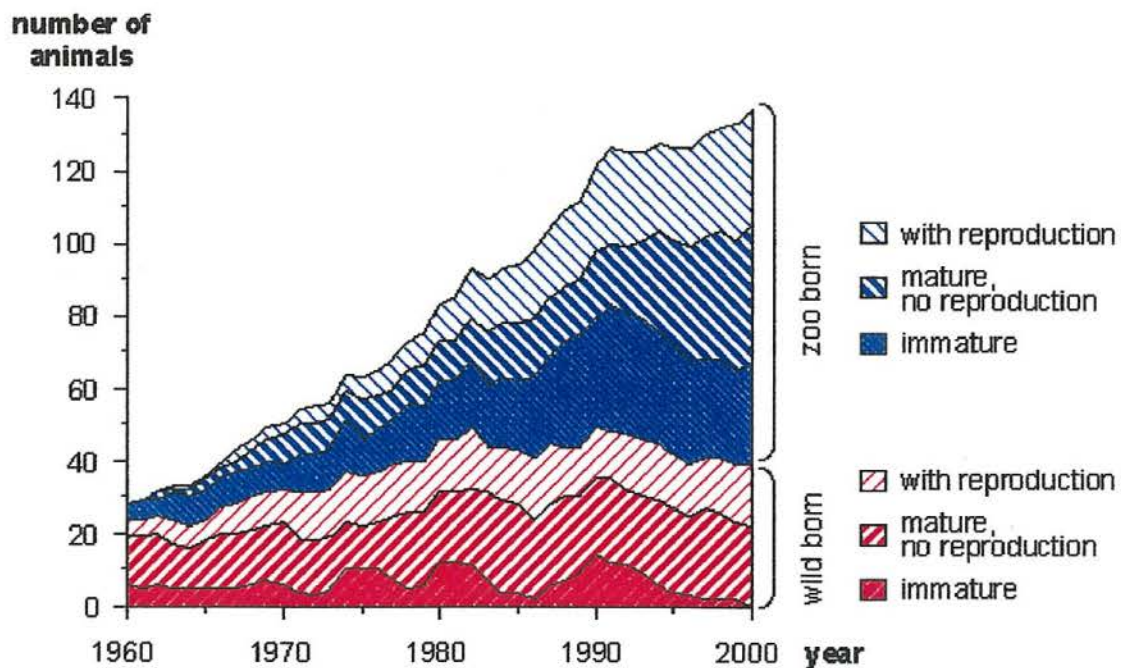


Fig. 2 – Increase of the captive population of the Greater one-horned rhinoceros

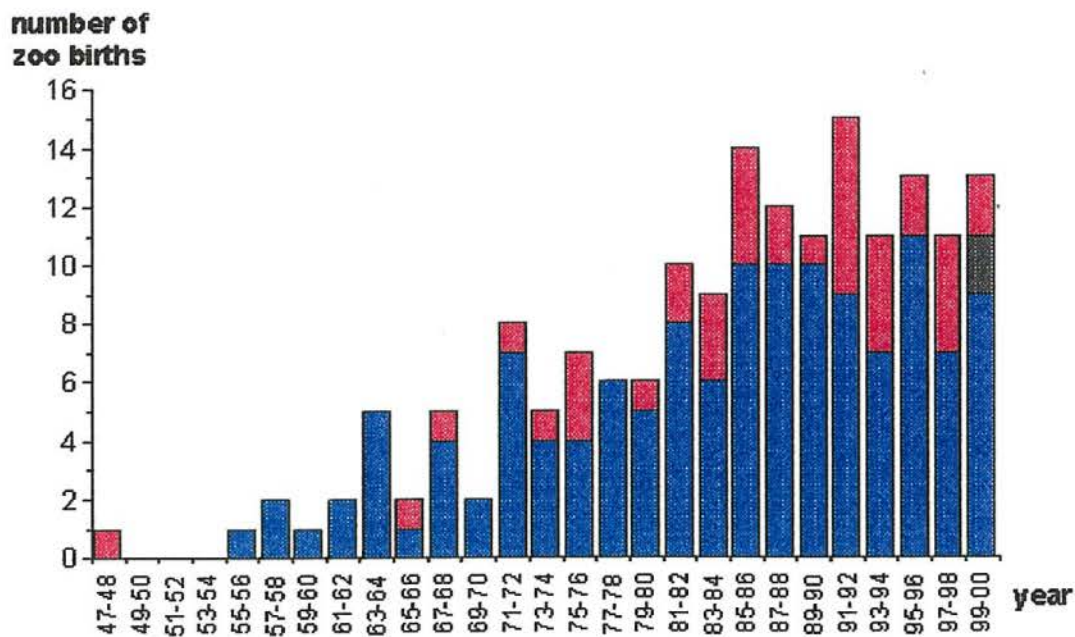


Fig. 3 – Births of Greater one-horned rhinoceroses in captivity. The colour indicates survival of the calf (blue: survived the first three months, red: stillborn or died before the age of three months, grey: survival not known yet)

Table 1

Sex ratios in the captive population of the Greater one-horned rhinoceros. Sexual maturity was defined at 4 years 4 months in females and 7 years 9 months in males.

% male	n (M + F)	p (binomial test)	
zoo-born			
all births	57.1%	170	0.077
live births	59.3%	145	0.031
at 3 months	60.3%	131	0.023
at 5 years	60.0%	105	0.050
at maturity	58.0%	100	0.133
at 20 years	48.4%	31	> 0.20
currently alive in zoos			
total	52.6%	137	> 0.20
zoo-born	57.1%	98	0.189
wild-born	41.0%	39	> 0.20
mature	50.0%	110	> 0.20

Genetic Analysis

A large number of equally represented founders is of decisive importance for the building of a viable captive population. In the case of the Greater one-horned rhinoceros, this goal has not yet been achieved. Today's captive population is based on 38 founder animals, which are very unequally represented (Fig. 4). Even though the situation has improved over the last ten years (in 1990, the three best represented founders had contributed 52.4% of all genes, see also Table 4), it is still important, that no individuals with a high proportion (50% or more) of their genes coming from the three best represented founders (Stud# 5, 7 & 18) are used for breeding. On the other hand, breeding with individuals imported from the wild and with offspring from underrepresented founders should be encouraged; these individuals can be identified by their low mean kinship values (Table 2). There are still 23 (10.13) mature, wild-born individuals without living descendants (Table 3).

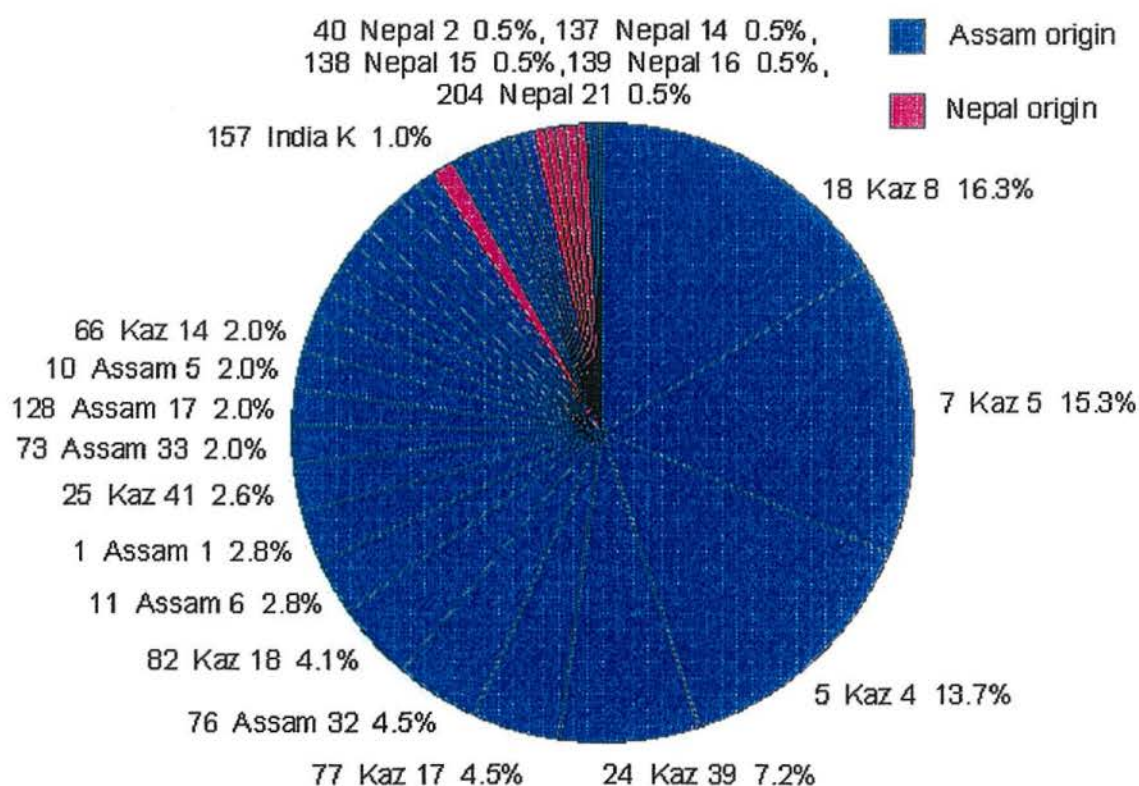


Fig. 4 – Distribution of founder representations in today's living captive-born population of the Greater one-horned rhinoceros. It shows that the three best represented founders (Stud# 5, 7 and 18) have contributed almost half (45.3%) of all genes found in the living captive-born population. The other 35 founders contributed the other half of the genes. The colour indicates the origin of the founders (blue: Assam, red: Nepal)

Table 2

Ordered list of the mean kinship (m_k) of all living individuals.

males

Stud #	m_k	age	Stud #	m_k	age	Stud #	m_k	age
190	0.0000	11	53	0.0204	30	259	0.0735	2
177	0.0000	12	186	0.0224	9	188	0.0735	9
175	0.0000	13	160	0.0224	12	249	0.0754	3
170	0.0000	21	140	0.0224	14	224	0.0769	6
217	0.0000	22	129	0.0224	16	180	0.0769	11
154	0.0000	24	273	0.0249	0	146	0.0769	13
156	0.0000	24	96	0.0249	22	116	0.0769	18
61	0.0000	26	57	0.0282	29	101	0.0795	20
172	0.0000	28	173	0.0347	14	270	0.0819	0
49	0.0000	32	254	0.0400	2	253	0.0819	3
215	0.0026	25	106	0.0421	20	60	0.0884	29
35	0.0038	36	239	0.0436	4	87	0.0902	23
250	0.0051	15	187	0.0509	9	236	0.0944	5
169	0.0051	25	147	0.0509	12	124	0.0953	16
151	0.0051	31	126	0.0509	15	206	0.0981	8
94	0.0051	31	132	0.0544	14	240	0.0988	4
157	0.0051	19	145	0.0557	13	181	0.0988	11
150	0.0064	17	134	0.0579	14	152	0.0989	12
202	0.0077	8	255	0.0593	2	117	0.0989	17
125	0.0077	15	262	0.0656	1	109	0.0989	19
166	0.0115	11	220	0.0656	7	135	0.1001	14
69	0.0128	27	263	0.0658	1	123	0.1001	16
222	0.0191	6	227	0.0665	6	141	0.1016	13
176	0.0192	12	184	0.0665	10	265	0.1017	1

females

Stud #	m_k	age	Stud #	m_k	age	Stud #	m_k	age
257	0.0000	4	252	0.0077	3	89	0.0607	21
256	0.0000	5	203	0.0077	9	244	0.0656	3
192	0.0000	10	159	0.0077	12	272	0.0665	1
193	0.0000	11	128	0.0102	28	182	0.0668	10
191	0.0000	11	66	0.0102	28	266	0.0754	1
144	0.0000	13	51	0.0153	30	201	0.0781	8
98	0.0000	22	264	0.0191	1	245	0.0807	3
92	0.0000	23	189	0.0191	9	130	0.0839	15
243	0.0000	23	235	0.0192	6	99	0.0859	23
219	0.0000	26	79	0.0204	25	80	0.0866	25
64	0.0000	27	241	0.0323	4	45	0.0890	31
153	0.0000	27	271	0.0400	0	55	0.0954	29
50	0.0000	36	230	0.0400	5	110	0.0959	19
204	0.0026	8	238	0.0436	4	148	0.0981	12
139	0.0026	14	29	0.0491	37	210	0.0988	7
137	0.0026	14	223	0.0509	6	183	0.0992	10
138	0.0026	15	161	0.0519	11	195	0.0997	9
95	0.0026	27	269	0.0536	1	143	0.1004	14
40	0.0026	34	131	0.0544	15	185	0.1012	10
194	0.0051	19	226	0.0570	6	93	0.1012	21
155	0.0051	27	113	0.0579	18	209	0.1045	7
97	0.0064	22	229	0.0593	5			

Table 3

List of potential founders (wild caught animals that have not yet reproduced) sorted by sex and estimated age.

males			females		
animal	location	birth	animal	location	birth
49 Nepal 3	NZP-WASH	1969	50 Nepal 4	METROZOO	1964
172 Kaz 23	ASSAM	1972	64 Assam 10	NAGOYA	1973
61 Kaz 13	MYSORE	1975	153 Kaz 21	NANDANKAN	1974
154 Assam 34	NANDANKAN	1977	219 Assam 29	CALCUTTA	1974
156 Assam 20	PATNA	1977	92 Assam 16	LUCKNOW	1978
217 Assam 28	VEERMATA	1979	243 Nepal 27	CHIANG MA	1978
170 Assam 22	ASSAM	1980	98 Nepal 7	PEKING	1978
175 Assam 25	TRIVANDRU	1988	144 Nepal 17	BERLINZOO	1987
177 Kaz 24	TRIVANDRU	1988	193 Nepal 20	MUNICH	1989
190 Nepal 22	FORTWORTH	1989	191 Nepal 23	FORTWORTH	1989
			192 Kaz 27	ASSAM	1990
			256 Nepal 28	WHIPSNADE	1996
			257 Nepal 29	WHIPSNADE	1996

Inbreeding

Inbreeding does not seem to have an adverse effect on juvenile survival in the captive population of the Greater one-horned rhinoceros; on the contrary, we can even observe a tendency for inbred individuals to have a lower mortality than non-inbred ones (Fig. 5). Two factors may contribute to this unusual situation:

1) The negative effects of inbreeding on juvenile survival is mainly caused by recessive lethal alleles. These alleles are usually purged as a consequence of population bottlenecks, such as the severe bottleneck experienced by the Assam population of the Greater one-horned rhinoceros in the early 20th century. Since all inbred individuals in the captive population descend from founders from the Assam population, we can consequently expect that there are no negative effects of inbreeding on juvenile survival in these individuals.

2) The decrease of juvenile mortality with inbreeding is probably just an artefact and no causal relationship. Within zoos, the survival rate of calves increased with experience, thanks to improved husbandry and veterinary techniques. At the same time, the mean inbreeding coefficient increased, as a result of breeding with related individuals (Baur & Studer 1995). The combination of these two factors leads to the observed inbreeding enhancement.

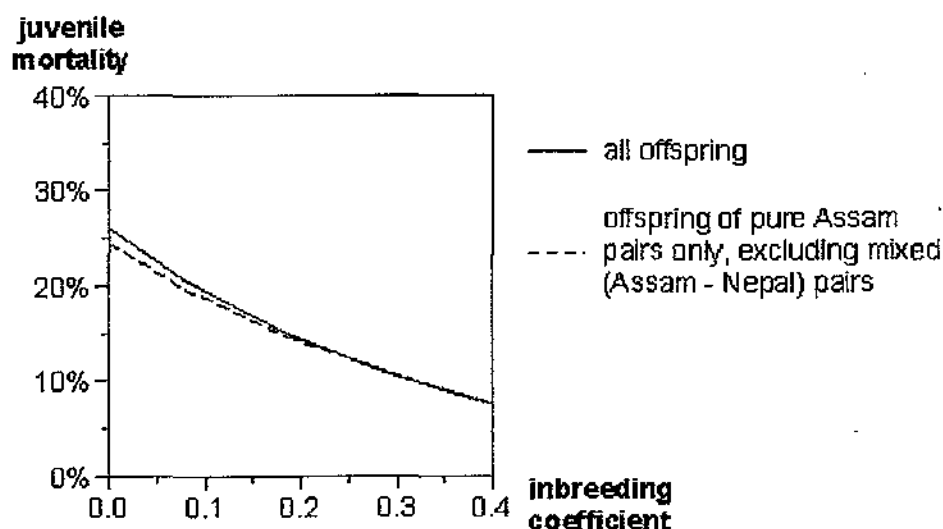


Fig. 5 – Relationship between offspring inbreeding coefficient and juvenile mortality (logistic regression). The reduced mortality in inbred offspring is probably coincidental

Genetic summary of the current captive population and the comparison with the values for Dec 1998 and Dec 1990. The calculations of the figures for Dec 1998 and Dec 1990 are based on the latest studbook data and differ therefore slightly from those published previously.

	Dec 2000	Dec 1998	Dec 1990
Number of captive individuals	137 (72.65)	132 (70.62)	121 (70.51)
Number of founders	38	36	32
Potential number of founders	61	63	68
Founder genomes surviving	23.966	23.560	20.229
Mean inbreeding coefficient	0.0732	0.0762	0.0651
Average mean kinship	0.0595	0.0591	0.0690
Gene diversity	0.9405	0.9409	0.9310
Founder genome equivalents	8.4030	8.4665	7.2447



EEP-Members of the Species Committee

14 institutions participate in this EEP. The following persons are members of the Species Committee:

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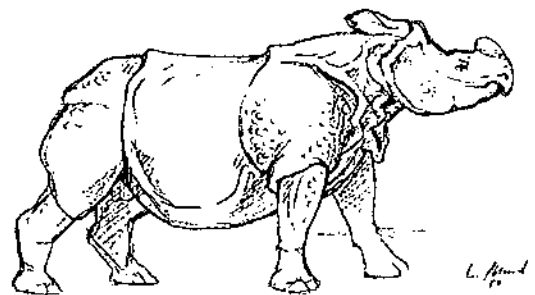
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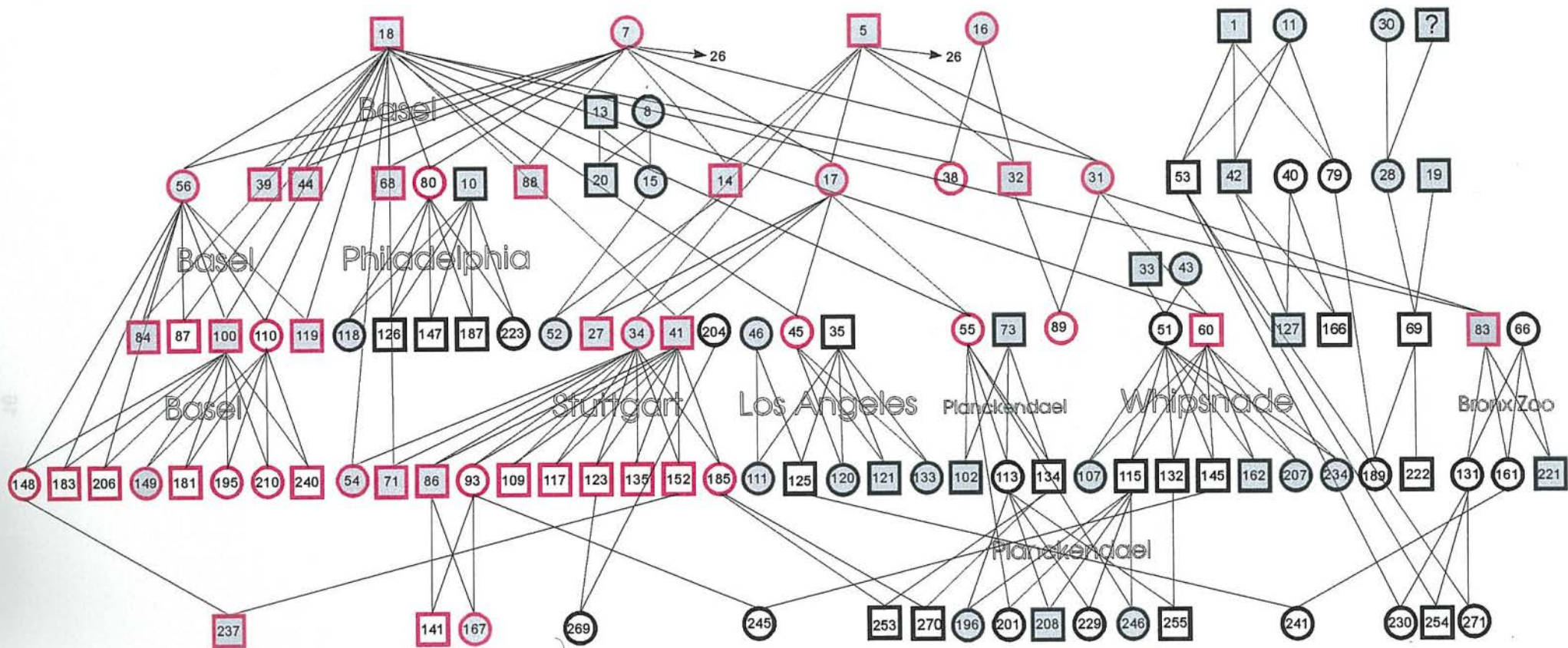
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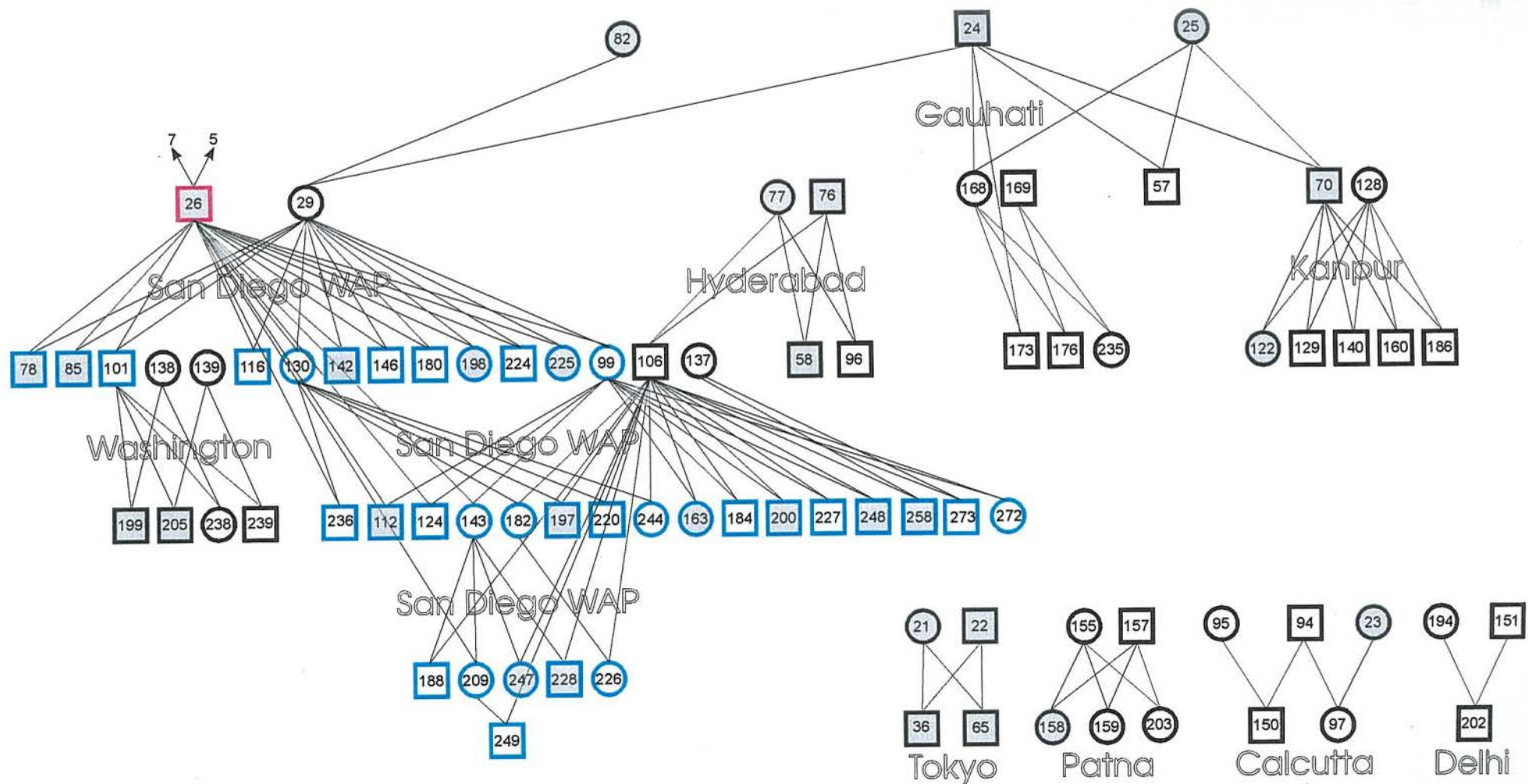
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PEDIGREE of the Greater One-Horned Rhinoceros







- xx male
 xx dead male
? wild male
- xx female
 xx dead female
- xx offspring Basel (inc. founders)
 xx offspring San Diego WAP

Events 2000

Births in 2000

Stud#	Sex	Sire	Dam	Breeder	Location	Housename	ISIS	Birthdate
0269	F	0123	0204	Stutt 11	Stuttgart	Sarasvati	7561	12.01.2000
0270	M	0134	0185	Rott 2	Rotterdam	Namaste-Nandana	106133	04.07.2000
0271	F	0053	0131	Neyo 6	NY Bronx		M00167	22.12.2000
0272	F	0106	0099	SDWAP 34	San Diego WAP	Goyona	600038	15.02.2000
0273	M	0106	0137	SDWAP 35	San Diego WAP	Suru	600657	31.12.2000

Deaths in 2000

Stud#	Sex	Sire	Dam	Breeder	Location	ISIS	Deathdate	Age
0083	M	0018	0031	Ber-Z 2	NY Bronx	831391	07.06.2000	24y

Transfers in 2000

Transferdate	Stud#	Old Location	Status	New Location	Owner
01.01.2000	0201	Lisbon	Donation to	Lisbon	Lisbon
26.04.2000	0229	Planckendael	Loan to	Lisieux	Planckendael



Abbreviations

Breeder name:

Assam	= animals born in Assam, including the Kaziranga Reserve
Kaz	= animals born in the Kaziranga Reserve
Nepal	= animals born in Nepal
India	= animals born on the Indian subcontinent, including Nepal

The breeder name shows the name of the place where an animal was born or captured. The following letter or number indicates the sequence of birth or capture.

For example: Kaz 5 = the 5th animal captured in the Kaziranga Reserve
 Basel 28 = the 28th animal born in Basel

Sex:

F = female, M = male, U = unknown sex

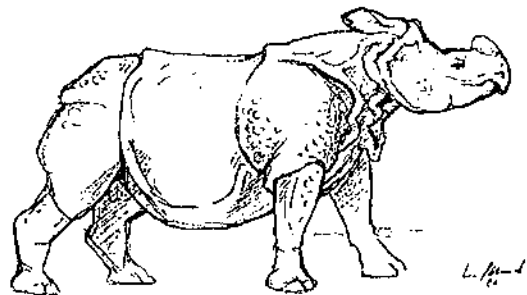
Status:

B = Birth, P = Purchase, L = Loan, R = Return from loan, D = Donation, T = Trade

REL = Release

APPENDIX I

International Studbook Population





Studbook population Greater one-horned rhinoceros Report date: 31 December 2000

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0001	M	WILD	WILD	Assam 1	24.04.1955	MYSORE	P	Kasi		30.04.1979
0002	F	WILD	WILD	Kaz 1	15.05.1948 24.06.1948	SHIP CHICAGOBR	? P	Kamala-Rani		06.05.1968
0003	M	WILD	WILD	Kaz 2	24.06.1948	CHICAGOBR	P	Kashi-Ram		13.11.1970
0004	F	WILD	0002	Kaz 3	16.05.1948	SHIP	B			16.05.1948
0005	M	WILD	WILD	Kaz 4	30.05.1951	BASEL	P	Gadadhar	510001	25.11.1964
0006	M	WILD	WILD	Kaz 33	05.09.1951	ROMA	P	Tomy		28.02.1983
0007	F	WILD	WILD	Kaz 5	08.07.1952	BASEL	P	Joymothi	520016	10.11.1983
0008	F	WILD	WILD	Kaz 34	16.07.1952 26.04.1976	WHIPSNADE AMSTERDAM	P L	Mohini		25.04.1985
0009	F	WILD	WILD	Kaz 35	17.06.1953 07.12.1976	PHILADELP SD-WAP	P L	Kanaklola	100248 101985	12.05.1977
0010	M	WILD	WILD	Assam 5	14.09.1955	PHILADELP	P	Kanakbala	100249	06.01.1996
0011	F	WILD	WILD	Assam 5	15.06.1956	MYSORE	P	Rani		07.05.1992
0012	M	WILD	WILD	Kaz 6	29.05.1956	TRIVANDRU	P	Moni		16.02.1987
0013	M	WILD	WILD	Kaz 36	07.08.1947	WHIPSNADE	P	Mohan		07.03.1961
0014	M	0005	0007	Basel 1	14.09.1956 20.07.1959	BASEL MILWAUKEE	B P	Rudra	560017	06.02.1987
0015	F	0013	0008	Whip 1	29.10.1957 20.07.1959	WHIPSNADE MILWAUKEE	B P	Mohinija		24.06.1975



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0016	F	WILD	WILD	Kaz 7	11.08.1957	HAMBURG	P	Nepali II		
					21.09.1962	BASEL	L			
					28.05.1963	HAMBURG	R			
					03.11.1965	BASEL	L			
					13.04.1966	HAMBURG	R			
					25.05.1968	LOSANGELE	L			
										22.01.1971
0017	F	0005	0007	Basel 2	17.08.1958	BASEL	B	Moola	580018	
										04.01.1973
0018	M	WILD	WILD	Kaz 8	22.09.1959	BERLINZOO	P	Arjun		
					08.07.1965	BASEL	P		650023	
										15.04.1983
0019	M	WILD	WILD	Assam 30	26.05.1960	NZP-WASH	P	Tarun		
					01.04.1981	NY BRONX	L			
					16.12.1983	OKLAHOMA	L			
										25.09.1989
0020	M	0013	0008	Whip 2	18.08.1960	WHIPSHADE	B	Manik		
										25.04.1975
0021	F	WILD	WILD	Kaz 37	06.06.1961	CALCUTTA	P	Lauie/Rani		
					16.07.1961	TOKYOTAMA	P			
										03.12.1991
0022	M	WILD	WILD	Kaz 38	10.11.1958	TOKYOTAMA	P	Tamao	267	
										16.07.1995
0023	F	WILD	0021	Calc 3	12.06.1961	CALCUTTA	B	Sneha		
										14.08.1982
0024	M	WILD	WILD	Kaz 39	24.09.1960	ASSAM	P	Shivaji		
										23.09.1986
0025	F	WILD	WILD	Kaz 41	25.09.1965	ASSAM	P	Padmini Jr.		
										19.10.1982
0026	M	0005	0007	Basel 3	31.08.1962	BASEL	B	Lasai	620010	
					12.10.1963	SANDIEGOZ	P			
					26.04.1972	SD-WAP	P		100289	
					27.06.1995	WILDS	L		950701	
										08.09.1995
0027	M	0005	0017	Basel 4	09.03.1963	BASEL	B	Khunlai	630021	
					29.09.1964	PARIS	P			
										26.02.1976
0028	F	UNKN	0030	Gauh 1	10.04.1963	ASSAM	B	Deepali Jr.		
					16.12.1963	NZP-WASH	D	Rajkumari		
										09.09.1980
0029	F	0024	0082	Gauh 2	10.07.1963	ASSAM	B	Jaypuri		
					28.02.1965	SANDIEGOZ	P			
					26.04.1972	SD-WAP	P		100286	
					07.11.1995	GULF BREZ	L		A1857	



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0030	F	WILD	WILD	Kaz 40	29.10.1962 16.12.1963	ASSAM NZP-WASH	P ?	Deepali		28.12.1963
0031	F	0005	0007	Basel 5	12.06.1964 06.07.1965 08.08.1970 28.04.1971 10.06.1974 06.05.1975	BASEL BERLINZOO BASEL BERLINZOO BASEL BERLINZOO	B P L R L R	Miris	640022 640022 640022	02.03.1993
0032	M	0005	0016	Hamb 1	11.06.1964 06.06.1965	HAMBURG BERLINZOO	B ?	Gauhati		09.12.1993
0033	M	WILD	WILD	Kaz 9	29.06.1960 24.11.1965	ASSAM DELHI	P ?	Mehan/Mohan		06.07.1988
0034	F	0005	0017	Basel 6	25.08.1965 29.05.1968 03.06.1969 09.06.1970 19.07.1973 24.10.1973	BASEL STUTT GART BASEL STUTT GART BASEL STUTT GART	B P L R L R	Nanda	650024 650024 650024	13.07.1992
0035	M	WILD	WILD	Assam 7	08.03.1966	LOSANGELE	P	Herman	01743	
0036	U	0022	0021	Tokyo 1	20.06.1966	TOKYOTAMA	B			20.06.1968
0037	F	WILD	WILD	Nepal 1	06.08.1966	BERLIN TP	P	Kanchi		09.01.1967
0038	F	0018	0016	Hamb 2	09.04.1967 12.04.1983 13.06.1985 08.01.1994	HAMBURG BERLINZOO HAMBURG SINGAPORE	B L R P	Shita	G2430	15.06.1999
0039	M	0018	0007	Basel 7	07.07.1967 05.09.1968 08.01.1994	BASEL HAMBURG SINGAPORE	B P P	Pandur	670021 G2429	04.02.1994
0040	F	WILD	WILD	Nepal 2	01.08.1967	BERLIN TP	P	Kumari		
0041	M	0018	0017	Basel 8	22.12.1967 03.06.1969	BASEL STUTT GART	B P	Puri	670022 2005	20.02.1997
0042	M	0001	0011	Mysore 1	13.02.1968 24.04.1971	MYSORE BERLIN TP	B P	Mysore		23.12.1996



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0043	F	WILD	WILD	Kaz 10	28.03.1968	DELHI	P	Rengi/Rongi		02.06.1986
0044	M	0018	0007	Basel 9	27.04.1969 06.10.1970	BASEL HOUSTON	B P	Ruedi	690023	09.02.1971
0045	F	0018	0017	Basel 10	05.10.1969 06.10.1970 06.04.1972 22.11.1974	BASEL HOUSTON BROWNSVL LOSANGELE	B P ? P	Randa	690025 07940	
0046	F	WILD	WILD	Assam 8	23.12.1967 29.11.1969	ASSAM LOSANGELE	P P	Rukmini Rhadha		10.11.1988
0047	F	WILD	WILD	Kaz 11	30.11.1969	LOSANGELE	P			23.01.1971
0048	F	WILD	WILD	Kaz 42	29.07.1968 23.01.1970	ASSAM OMAHA	P P	Goiangi		31.01.1970
0049	M	WILD	WILD	Nepal 3	23.04.1970 14.06.1998	METROZOO NZP-WASH	D L	Mohan	107	
0050	F	WILD	WILD	Nepal 4	12.06.1970 10.04.1987 22.11.1988 28.03.1990 29.05.1996 12.10.1996	METROZOO PHILADELP NY BRONX METROZOO NY BRONX METROZOO	D L L R L R	Shanli	108 101589 881458 108 881458 108	
0051	F	0033	0043	Delhi 1	27.01.1971 06.02.1973	DELHI WHIPSHADE	B T	Roopa	L259	
0052	F	0014	0015	Milw 1	30.01.1967	MILWAUKEE	B			30.01.1967
0053	M	0001	0011	Myso 2	16.04.1971 28.08.1975 28.06.1976 30.05.1990	MYSORE GELSNKRKN TORONTO NY BRONX	B P P L	Vinu	7720 901264	
0054	F	0018	0034	Stutt 1	16.07.1971	STUTTGART	B			16.07.1971
0055	F	0018	0017	Basel 11	11.08.1971 05.09.1972	BASEL PLANCKNDL	B P	Tutuma Zutuma	710026 184003	
0056	F	0018	0007	Basel 12	24.08.1971	BASEL	B	Tanaya	710027	17.02.1996



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0057	M	0024	0025	Gauh 3	12.09.1971 02.10.1974	ASSAM NAGOYA	B P	Samber Sanver		
0058	M	0076	0077	Hyde 1	25.11.1971	HYDERABAD	B	Rajesh		11.08.1983
0060	M	0018	0031	Ber-Z 1	04.04.1972 15.06.1973 23.04.1976	BERLINZOO AMSTERDAM WHIPSNIDE	B P T	Kumar	L260	
0061	M	WILD	WILD	Kaz 13	24.01.1980 29.01.1985	ASSAM MYSORE	P P	Ram Muniya		
0062	M	WILD	WILD	Assam 11	14.04.1952	VEERMATA	P	Lacit		14.09.1980
0063	M	WILD	WILD	Nepal 5	09.09.1966	OMAHA	P			24.02.1975
0064	F	WILD	WILD	Assam 10	03.01.1974 02.10.1974	ASSAM NAGOYA	P P	Jaya		
0065	M	0022	0021	Tokyo 2	20.12.1973 12.12.1978	TOKYOTAMA AMSTERDAM	B D	Saitaro		24.05.1989
0066	F	WILD	WILD	Kaz 14	14.08.1973 30.01.1975	ASSAM NY BRONX	P P	Mayang Kumari Pinky	751511	
0067	F	WILD	WILD	Kaz 15	21.06.1973 30.01.1975	ASSAM NY BRONX	P P	Radha	751512	12.07.1996
0068	M	0018	0007	Basel 13	03.01.1974	BASEL	B		740028	03.01.1974
0069	M	0019	0028	Wash 1	30.01.1974 29.10.1975 16.06.1989	NZP-WASH NY BRONX TORONTO	B L L	Patrick	100859 751821 24640	
0070	M	0024	0025	Gauh 4	23.05.1974 04.03.1977	ASSAM KANPUR	B ?	Lachit		08.08.1992
0071	M	0018	0034	Stutt 2	05.12.1974 23.11.1976 31.10.1977	STUTTGART GELSNKRKN SAO PAULO	B P P	Nabob	9895	13.06.1997
0072	M	WILD	WILD	Nepal 6	15.07.1959	PEKING	P	Xiang Ka		12.11.1978



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0073	M	WILD	WILD	Assam 33	30.07.1970	ASSAM	P	Sasadev		
					23.03.1971	PLANCKNDL	P	Yassam	184002	16.10.1988
0074	M	WILD	WILD	Nepal 24	19.01.1934	ST LOUIS	P	Harry		31.12.1981
0075	M	WILD	WILD	Assam 12	09.06.1953	MADRAS	P	Kushal		15.06.1980
0076	M	WILD	WILD	Assam 32	28.08.1962	ASSAM	P	Rajkumar		
					16.06.1964	HYDERABAD	P			
										19.08.1983
0077	F	WILD	WILD	Kaz 17	15.06.1968	HYDERABAD	P	Padma		19.08.1983
0078	M	0026	0029	SDWAP 1	24.03.1975	SD-WAP	B		013056	25.03.1975
0079	F	0001	0011	Myso 3	19.07.1975	MYSORE	B	Indira		
					15.06.1976	GELSNKRKN	P			
					27.04.1979	TORONTO	P		11554	
0080	F	0018	0007	Basel 14	10.10.1975	BASEL	B	Xavira	750029	
					07.11.1979	PHILADELP	P		100925	
0081	M	WILD	WILD	Kaz 43	28.06.1971	ASSAM	P	Santu		
					12.09.1973	BROWNSVL	P			03.12.1973
0082	F	WILD	WILD	Kaz 18	05.10.1958	ASSAM	P	Padmini		28.10.1964
0083	M	0018	0031	Ber-Z 2	18.02.1976	BERLINZOO	B	Heiner		
					12.07.1981	OKLAHOMA	P		958001	
					19.12.1983	NY BRONX	L		831391	
										07.06.2000
0084	M	0018	0056	Basel 15	26.03.1976	BASEL	B	Yamatari	760030	
					02.11.1977	GELSNKRKN	L			
					02.11.1978	COLOGNE	P			08.09.1987
0085	M	0026	0029	SDWAP 2	18.10.1976	SD-WAP	B	Maharaja	101932	20.10.1976
0086	M	0041	0034	Stutt 3	21.09.1977	STUTTGART	B	Dvityia		
					12.08.1980	DVURKRALV	P			
					14.06.1992	SINGAPORE	P		G1526	08.07.1992



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0087	M	0018	0056	Basel 16	26.01.1978	BASEL	B	Assam	780031	
					06.11.1979	PHILADELP	L		100924	
					14.10.1982	NY BRONX	P		821339	
					29.10.1991	MILWAUKEE	L		3622	
					22.05.1996	WILDS	L		960503	
0088	M	0018	0007	Basel 17	16.07.1978	BASEL	B	Angkor	780032	19.11.1978
0089	F	0032	0031	Ber-Z 3	13.08.1979	BERLINZOO	B	Terai		
					12.07.1981	OKLAHOMA	P		968102	
					16.11.1990	LOSANGELE	L		95967	
					18.02.1997	SD-WAP	L		697059	
0090	M	WILD	WILD	Assam 14	30.03.1959	LUCKNOW	P	Jai Singh		06.05.1979
0091	M	WILD	WILD	Assam 15	15.11.1976	ASSAM	P	Sanjoy		
					20.10.1979	LUCKNOW	?			18.01.1980
0092	F	WILD	WILD	Assam 16	24.04.1978	ASSAM	P	Krishna Jr.		
					20.10.1979	LUCKNOW	?			
0093	F	0041	0034	Stutt 4	13.09.1979	STUTT GART	B	Numa		
					22.07.1981	DVURKRALV	P			
0094	M	WILD	WILD	Kaz 19	12.02.1974	ASSAM	P	Hihua		
					14.03.1974	CALCUTTA	P	Meghnad		
0095	F	WILD	WILD	Kaz 20	22.01.1974	ASSAM	P	Mayuri		
					14.03.1974	CALCUTTA	P	Kadambini		
0096	M	0076	0077	Hyde 2	12.11.1978	HYDERABAD	B	Laddu		
0097	F	0094	0023	Calc 1	09.01.1979	CALCUTTA	B	Gomali		
					10.03.1986	COLOGNE	P		462	
					02.05.1997	SINGAPORE	D		G4844	
0098	F	WILD	WILD	Nepal 7	09.10.1980	PEKING	D	Bang Ti		
0099	F	0026	0029	SDWAP 3	19.03.1978	SD-WAP	B	Gainda	102575	
0100	M	0018	0056	Basel 18	11.01.1980	BASEL	B	Chilawan	800033	13.11.1995



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0101	M	0026	0029	SDWAP 4	08.08.1980	SD-WAP	B	Pandu	103996	
					04.11.1982	SANDIEGOZ	L		282326	
					01.07.1985	NZP-WASH	L		106574	
					12.02.1993	NZP-WASH	D		106574	
					09.07.1996	PHILADELP	L		103314	
					04.05.1998	MONTGOMER	L		2499	
0102	M	0073	0055	Antw 1	03.11.1980	PLANCKNDL	B			07.11.1980
0103	M	WILD	WILD	Nepal 8	27.08.1980	RANGOON	P			01.06.1993
0104	F	WILD	WILD	Nepal 9	27.08.1980	RANGOON	P			01.06.1993
0105	F	WILD	WILD	Nepal 10	02.02.1944	LUCKNOW	P	Rosy		02.04.1973
0106	M	0076	0077	Hyde 3	15.05.1981	HYDERABAD	B	Srinivas		
					10.08.1983	SD-WAP	D	Rabha	783639	
					30.11.1983	SANDIEGOZ	D			
					29.05.1985	SD-WAP	D		783639	
0107	F	0060	0051	Whip 3	21.05.1981	WHIPNADE	B			21.05.1981
0108	M	WILD	WILD	Nepal 11	20.10.1981	PEKING	P	Ka Ma		26.11.1981
0109	M	0041	0034	Stutt 5	30.08.1981	STUTTGART	B	Nadir	3125	
					13.04.1983	ROTTERDAM	L		109	
					01.07.1990	SINGAPORE	L		G45	
					12.12.1994	CHIANG MA	L			
0110	F	0018	0056	Basel 19	16.01.1982	BASEL	B	Ellora	820034	
0111	F	0035	0046	Losan 1	16.02.1982	LOSANGELE	B	Meelah	94307	
					18.08.1985	SD-WAP	L		028842	03.07.1985
0112	M	0026	0099	SDWAP 5	25.07.1982	SD-WAP	B	Tezpur	682461	
					27.10.1983	SEOUL	P			21.06.1990
0113	F	0073	0055	Antw 2	09.08.1982	PLANCKNDL	B	Johanna	184004	
0114	F	WILD	WILD	Nepal 12	17.05.1980	KATHMANDU	P			27.01.1990
0115	M	0060	0051	Whip 4	09.03.1983	WHIPNADE	B	Bheema		
					03.10.1985	PLANCKNDL	D		184005	22.10.1999



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0116	M	0026	0029	SDWAP 6	01.05.1983	SD-WAP	B	Jorhat	683352	
					05.06.1985	SANDIEGOZ	L			
					17.09.1988	LOWRY	L		100123	
0117	M	0041	0034	Stutt 6	12.07.1983	STUTTGART	B	Katgin		
					27.08.1985	KANAZAWA	P			
0118	F	0010	0080	Phil 1	25.02.1984	PHILADELP	B		101286	26.02.1984
0119	M	0018	0056	Basel 20	29.02.1984	BASEL	B	Gandak	840035	11.03.1985
0120	F	0035	0045	Losan 2	09.08.1982	LOSANGELE	B			09.08.1982
0121	M	0035	0045	Losan 3	16.12.1983	LOSANGELE	B			16.12.1983
0122	F	0070	0128	Kan 1	01.10.1982	KANPUR	B	Rashmi/Sawako		
					04.12.1985	KANAZAWA	P	Sawako		04.01.1995
0123	M	0041	0034	Stutt 7	29.01.1985	STUTTGART	B	Bruno	3127	
					09.12.1987	COLOGNE	L			
					23.04.1997	STUTTGART	R		3127	
0124	M	0026	0099	SDWAP 7	25.06.1985	SD-WAP	B	Gurkha	028851	
					26.10.1989	SINGAPORE	L		G42	
0125	M	0035	0046	Losan 4	11.08.1985	LOSANGELE	B	Chandra	002213	
					15.11.1990	OKLAHOMA	L		542705	
0126	M	0010	0080	Phil 2	03.11.1985	PHILADELP	B	BJ/Akbar	101430	
					06.04.1987	METROZOO	L	Akbar	M00755	
					01.01.1999	METROZOO	D	BJ/Akbar	M00755	
0127	M	0042	0040	Ber-T 1	23.11.1985	BERLIN TP	B			23.11.1985
0128	F	WILD	WILD	Assam 17	11.08.1973	ASSAM	P	Usha		
					04.03.1977	KANPUR	P			
0129	M	0070	0128	Kan 2	06.12.1984	KANPUR	B	Lohit		
					06.04.1995	LUCKNOW	T			
0130	F	0026	0029	SDWAP 8	18.01.1988	SD-WAP	B	Jumia	005257	
0131	F	0083	0066	Neyo 1	09.04.1986	NY BRONX	B	Ellah	861069	



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0132	M	0060	0051	Whip 5						
					09.08.1986	WHIPSHADE	B	Yodha		
					03.12.1987	CHESTER	L		1652	
					13.10.1998	BERLINZOO	L			
0133	F	0035	0045	Losan 5	10.10.1986	LOSANGELE	B			10.10.1986
0134	M	0073	0055	Antw 3	24.10.1986	PLANCKNDL	B	Nico	184006	
					09.10.1990	ROTTERDAM	L		104083	
0135	M	0041	0034	Stutt 8	24.12.1986	STUTTGART	B	Noel		
					01.12.1989	NURNBERG	P			
0136	M	WILD	WILD	Nepal 13	26.05.1987	SAN FRAN	P	Chhendra		06.09.1996
0137	F	WILD	WILD	Nepal 14	26.05.1987	SAN FRAN	P	Shanli	187049	
					27.11.1996	SD-WAP	L		696602	
0138	F	WILD	WILD	Nepal 15	27.05.1987	NZP-WASH	D	Mechi	107563	
					10.05.1994	PHILADELP	L		102924	
					20.10.1994	NZP-WASH	R		107663	
0139	F	WILD	WILD	Nepal 16	27.05.1987	NZP-WASH	D	Kali	107664	
					23.04.1998	NY BRONX	L		981044	
0140	M	0070	0128	Kan 3	17.06.1987	KANPUR	B	Mohit		
0141	M	0086	0093	Dvkr 2	04.11.1987	DVURKRALV	B	Nim		
					09.11.1989	LIBEREC	P			
0142	M	0026	0029	SDWAP-	07.01.1987	SD-WAP	B		687013	07.01.1987
0143	F	0026	0099	SDWAP 9	28.05.1987	SD-WAP	B	Goalpara	687346	
0144	F	WILD	WILD	Nepal 17	15.05.1988	BERLINZOO	D	Narajani		
0145	M	0060	0051	Whip 6	06.05.1988	WHIPSHADE	B	Ropen		
					16.11.1990	DVURKRALV	L			
0146	M	0026	0029	SDWAP 10	22.05.1988	SD-WAP	B	Joya	688293	
					13.09.1990	SANDIEGOZ	L			
					06.04.1995	ROLLING H	L		950029	



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0147	M	0010	0080	Phil 3	14.08.1988	PHILADELP	B	Jimmy	101728	
					25.10.1989	CINCINNAT	L			
0148	F	0100	0056	Basel 21	04.10.1988	BASEL	B	Nasi	880036	
					12.07.1990	MUNICH	P			
0149	F	0100	0110	Basel 22	11.12.1988	BASEL	B		880037	11.12.1988
0150	M	0094	0095	Calc 2	04.06.1984	CALCUTTA	B	Debraj		
0151	M	WILD	WILD	Kaz 44	05.05.1982	ASSAM	P	Agni		
					03.03.1983	DELHI	?			
0152	M	0041	0034	Stutt 9	27.11.1988	STUTTGART	B	Nikolaus	3869	
					12.06.1990	MUNICH	L			
0153	F	WILD	WILD	Kaz 21	16.08.1974	ASSAM	P	Numali		
					08.04.1976	NANDANKAN	P			
0154	M	WILD	WILD	Assam 34	22.08.1977	ASSAM	P	Ganesh		
					02.12.1979	NANDANKAN	?			
0155	F	WILD	WILD	Assam 19	21.07.1974	ASSAM	P	Caitralekha		
					28.05.1979	PATNA	?			
0156	M	WILD	WILD	Assam 20	19.08.1977	ASSAM	P	Vijay		
					28.05.1979	PATNA	?			
0157	M	WILD	WILD	India K	28.03.1982	PATNA	P	Raju		
0158	F	0157	0155	Patna 1	25.10.1986	PATNA	B			25.10.1986
0159	F	0157	0155	Patna 2	08.07.1988	PATNA	B	Hartali		
0160	M	0070	0128	Kan 4	23.06.1989	KANPUR	B	Rohit		
0161	F	0083	0068	Neyo 2	05.09.1989	NY BRONX	B	Mary	891296	
					08.11.1993	OKLAHOMA	R			
0162	M	0060	0051	Whip 7	02.10.1989	WHIPSNADE	B	Bardia	L262	15.09.1995
0163	F	0106	0099	SDWAP 11	20.04.1989	SD-WAP	B		689183	20.04.1989



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0164	M	WILD	WILD	Nepal 18	07.05.1990	SINGAPORE	P	Karnak	G43	06.01.1999
0165	F	WILD	WILD	Nepal 19	07.05.1990	SINGAPORE	P	Kanchan	G44	02.11.1991
0166	M	0042	0040	Ber-T 2	01.01.1990 21.06.1993 10.06.1997	BERLIN TP BERLINZOO BERLIN TP	B L R	Belur		
0167	F	0086	0093	Dvkr 1	14.01.1986	DVURKRALV	B	Nelly		27.02.1986
0168	F	0024	0025	Gauh 5	09.01.1978	ASSAM	B	Padmini II/Gita		11.01.1998
0169	M	WILD	WILD	Assam 21	27.01.1980	ASSAM	P	Lakshman		
0170	M	WILD	WILD	Assam 22	23.08.1980	ASSAM	P	John		
0171	F	WILD	WILD	Assam 23	23.08.1980	ASSAM	P	Gini		24.06.1999
0172	M	WILD	WILD	Kaz 23	15.07.1982	ASSAM	P	Ganesh		
0173	M	0024	0168	Gauh 6	11.05.1987	ASSAM	B	Bishnu		
0174	M	WILD	WILD	Assam 24	25.08.1987 17.10.1995	ASSAM GORUMARA	P P	Ratul	REL	
0175	M	WILD	WILD	Assam 25	24.09.1988 19.05.1993	ASSAM TRIVANDRU	P P	Ramu		
0176	M	0169	0168	Gauh 7	30.03.1989	ASSAM	B	Moresh		
0177	M	WILD	WILD	Kaz 24	26.07.1989 19.05.1993	ASSAM TRIVANDRU	P P	Jadu		
0178	M	WILD	WILD	Kaz 25	26.07.1989 17.10.1995	ASSAM JALDAPARA	P P	Madhu	REL	
0179	M	WILD	WILD	Kaz 26	20.08.1990 14.10.1994	ASSAM TRIPURA	P P	Pradip	REL	



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0180	M	0026	0029	SDWAP 12	27.01.1990	SD-WAP	B	Jaunpur	690037	
					06.04.1995	ROLLING H	L		950030	
					14.11.1996	BATONROUG	L		7914	
					19.06.1997	BATONROUG	T		7914	
0181	M	0100	0110	Basel 23	31.05.1990	BASEL	B	Nandi	900038	
					28.11.1991	NAGOYA	P			
0182	F	0106	0130	SDWAP 13	20.07.1990	SD-WAP	B	Jhansi	690458	
					10.10.1994	STUTT GART	T		5628	
					10.10.1994	BERLIN TP	L			
0183	F	0100	0056	Basel 24	23.10.1990	BASEL	B	Nilgiri	910039	
					28.11.1991	NAGOYA	P			
0184	M	0106	0099	SDWAP 14	28.12.1990	SD-WAP	B	Gujrat	690732	
					25.10.1996	LISBON	L		5496	
					09.12.1999	LISIEUX Z	L			
0185	F	0041	0034	Stutt 10	11.02.1991	STUTT GART	B	Namaste	4449	
					16.06.1993	ROTTERDAM	L		104724	
0186	M	0070	0128	Kan 5	05.07.1991	KANPUR	B	Mudit		
0187	M	0010	0080	Phil 4	24.07.1991	PHILADELP	B	Dhaulagiri	102345	
					21.07.1992	BUFFALO	L		92M163	
					30.09.1998	BUFFALO	D		92M163	
0188	M	0106	0143	SDWAP 15	22.12.1991	SD-WAP	B	Gangtok	691776	
					25.10.1996	LISBON	L		5497	
0189	F	0069	0079	Toro 1	25.12.1991	TORONTO	B	Nikki	27199	
					22.08.1994	CINCINNAT	L		194156	
0190	M	WILD	WILD	Nepal 22	10.05.1990	FORTWORTH	P	Arun	724	
0191	F	WILD	WILD	Nepal 23	10.05.1990	FORTWORTH	P	Arati	725	
0192	F	WILD	WILD	Kaz 27	10.08.1991	ASSAM	P	Baghekhaili		
0193	F	WILD	WILD	Nepal 20	15.04.1990	MUNICH	P	Rapti	079001	

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0194	F	WILD	WILD	Kaz 45	04.06.1982 20.12.1990	ASSAM DELHI	? P	Mohini		
0195	F	0100	0110	Basel 25	23.01.1992 08.07.1993	BASEL NURNBERG	B P	Purana	920040	
0196	F	0115	0113	Antw 4	03.02.1992	PLANCKNDL	B			03.02.1992
0197	M	0106	0130	SDWAP 16	26.02.1992	SD-WAP	B		692076	26.02.1992
0198	F	0026	0029	SDWAP 17	21.07.1992	SD-WAP	B		692441	21.07.1992
0199	M	0101	0138	Wash 2	30.07.1992	NZP-WASH	B			30.07.1992
0200	M	0106	0089	SDWAP 18	06.11.1992	SD-WAP	B		692618	06.11.1992
0201	F	0115	0055	Antw 5	15.11.1992 21.11.1992 24.11.1996 01.01.2000	PLANCKNDL WHIPSNADE LISBON LISBON	B D L D	Teja	184008 L2961 5532 5532	
0202	M	0151	0194	Delhi 2	27.12.1992	DELHI	B	Ayodhya		
0203	F	0157	0155	Patna 3	06.07.1991	PATNA	B	Chhotki		
0204	F	WILD	WILD	Nepal 21	30.06.1993	STUTTGART	D	Sani	5143	
0205	M	0101	0139	Wash 3	15.01.1993	NZP-WASH	B			15.01.1993
0206	M	0100	0056	Basel 26	22.02.1993 29.04.1995	BASEL SINGAPORE	B L	Quillon	930041 G3209	
0207	F	0060	0051	Whip 8	01.05.1993	WHIPSNADE	B			02.05.1993
0208	M	0115	0113	Antw 6	04.08.1993	PLANCKNDL	B			04.08.1993
0209	F	0026	0143	SDWAP 19	07.09.1993	SD-WAP	B	Godavari	693536	
0210	F	0100	0110	Basel 27	10.10.1993	BASEL	B	Quetta	930042	



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0215	M	WILD	WILD	Kaz 30	17.10.1977	ASSAM	P	Balaram		
					14.12.1977	CHANDIGAR	?			
0216	F	WILD	WILD	Kaz 31	15.06.1978	ASSAM	P	Shakuntala		25.05.1985
					29.07.1978	CHANDIGAR	?			
0217	M	WILD	WILD	Assam 28	24.04.1979	ASSAM	P	Shiva		
					25.02.1985	VEERMATA	?			
0218	M	WILD	WILD	Kaz 32	03.09.1980	ASSAM	P	Ramu		03.07.1989
					17.04.1985	MADRAS	?			
0219	F	WILD	WILD	Assam 29	11.03.1979	CALCUTTA	P	Mayuri		
0220	M	0106	0130	SDWAP 20	18.03.1994	SD-WAP	B	Jaffna	694115	
					29.03.1996	BASEL	P		694115	
0221	M	0083	0066	Neyo 3	22.03.1994	NY BRONX	B			22.03.1994
0222	M	0069	0079	Toro 2	11.09.1994	TORONTO	B	Sanjay	30105	
					26.01.1998	PHILADELP	D		103525	
					26.01.1998	TORONTO	L		30105	
					28.08.1998	PHILADELP	R		103525	
0223	F	0010	0080	Phil 5	05.10.1994	PHILADELP	B	Penny	103011	
0224	M	0026	0029	SDWAP 21	26.11.1994	SD-WAP	B	Jafar	694673	
					07.11.1995	GULF BREZ	L		A1858	
0225	F	0026	0029	SDWAP 22	31.07.1984	SD-WAP	B		026310	31.07.1984
0226	F	0106	0182	Ber-T 3	21.01.1995	BERLIN TP	B	Betty		
0227	M	0106	0099	SDWAP 23	26.05.1995	SD-WAP	B	ASSAM	695264	
					14.02.1997	SAN FRAN	L			
0228	M	0106	0143	SDWAP 24	24.08.1995	SD-WAP	B		695462	24.08.1995
0229	F	0115	0113	Antw 7	12.10.1995	PLANCKNDL	B	Winona	184010	
					26.04.2000	LISIEUX Z	L			
0230	F	0053	0131	Neyo 4	28.12.1995	NY BRONX	B	Daily	951230	



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0231	M	WILD	WILD	India O	13.03.1875	PHILADELP	P	Pete		03.01.1901
0232	F	WILD	WILD	Nepal 25	24.05.1923	PHILADELP	P	Maharanees/Peggy	10303	14.04.1943
0233	M	WILD	WILD	Assam 31	07.07.1939	NZP-WASH	P	Gunda	16923	09.01.1959
0234	F	0060	0051	Whip 9	19.10.1991	WHIPSNADE	B		L1701	20.10.1991
0235	F	0169	0168	Gauh 8	22.02.1995	ASSAM	B	Rita		
0236	M	0026	0130	SDWAP 25	04.01.1986	SD-WAP	B	Jasai	696004	
0237	M	0152	0148	Mun 1	13.07.1996	MUNICH	B		079004	13.07.1996
0238	F	0101	0138	Wash 5	18.09.1996 21.05.1998	NZP-WASH WILDS	B L	Chitwan	112925 980503	
0239	M	0101	0139	Wash 6	31.10.1996 21.05.1998	NZP-WASH WILDS	B L	Himal	112946 980502	
0240	M	0100	0110	Basel 28	20.11.1996 08.10.1998	BASEL TOKYOTAMA	B D	Tarrh	960043 2463	
0241	F	0125	0161	Okla 1	06.12.1996 06.11.1998	OKLAHOMA BUFFALO	B L	Tashi	701406 98M146	
0242	M	WILD	WILD	Nepal 26	22.04.1986	CHIANG MA	P			24.07.1986
0243	F	WILD	WILD	Nepal 27	22.04.1986	CHIANG MA	P			
0244	F	0106	0130	SDWAP 26	24.08.1997	SD-WAP	B	Jakichu	697474	
0245	F	0145	0093	Dvkr 3	13.09.1997	DVURKRALV	B	Nova		
0246	F	0115	0055	Antw 8	27.09.1997	PLANCKNDL	B		184011	27.09.1997
0247	F	0106	0143	SDWAP 27	09.11.1997	SD-WAP	B	Gondia	697581	25.11.1997
0248	M	0106	0099	SDWAP 28	20.11.1997	SD-WAP	B		697598	20.11.1997



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0249	M	0106	0209	SDWAP 29	23.11.1997	SD-WAP	B	Glirja	697600	
0250	M	0215	0216	Chand 1	09.05.1986	CHANDIGAR	B	Chhatbir		
0251	M	0151	0194	Delhi 3	28.08.1995	DELHI	B	Meghdoot		
0252	F	0151	0194	Delhi 4	27.11.1997	DELHI	B	Maheshwari		
0253	M	0134	0185	Roll 1	04.01.1998 09.11.1999	ROTTERDAM MADRID Z	B L	Kaila Padam	105672	
0254	M	0053	0131	Neyo 5	27.07.1998	NY BRONX	B	Michael Cline	981132	
0255	M	0115	0113	Antw 9	21.09.1998	PLANCKNDL	B	Zimon	184012	
0256	F	WILD	WILD	Nepal 28	29.04.1997 22.09.1998	LONDON RP WHIPSNADE	L L	Beluki	A3568 L3165	
0257	F	WILD	WILD	Nepal 29	29.04.1997 03.11.1998	LONDON RP WHIPSNADE	L L	Behin	A3569 L3188	
0258	M	0106	0137	SDWAP 30	21.12.1998	SD-WAP	B		698676	21.12.1998
0259	M	0106	0143	SDWAP 31	18.05.1999	SD-WAP	B	Gram	699277	
0260	F	0170	0171	Gauh 9	15.06.1999	ASSAM	B			15.06.1999
0261	F	0152	0148	Mun 2	22.07.1999	MUNICH	B		079005	22.07.1999
0262	M	0106	0130	SDWAP 32	27.07.1999	SD-WAP	B	Jilibito	699439	
0263	M	0057	0183	Nag 1	14.08.1999	NAGOYA	B	Dora		
0264	F	0069	0079	Toro 3	14.08.1999	TORONTO	B	Sanya	34890	
0265	M	0135	0196	Nur 1	08.10.1999	NURNBERG	B	Albrecht		
0266	F	0106	0209	SDWAP 33	22.12.1999	SD-WAP	B	Gopon	699614	
0267	U	0076	0077	HYDE 4	12.05.1975	HYDERABAD	B			12.05.1975

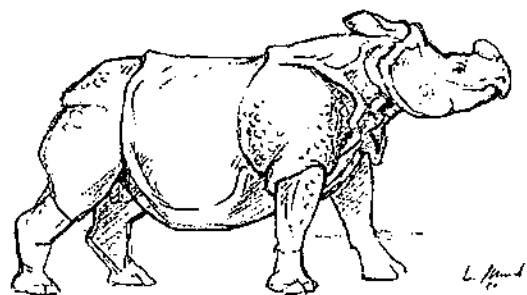


ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0268	M	0024	0025	Gauh 10	09.06.1982	ASSAM	B	Shyam Jr.		23.09.1990
0269	F	0123	0204	Stutt 11	12.02.2000	STUTTGART	B	Sarasvati	7561	
0270	M	0134	0185	Rolt 2	04.07.2000	ROTTERDAM	B	Namaste-Nandana	106133	
0271	F	0053	0131	Neyo 6	22.12.2000	NY BRONX	B		M00167	
0272	F	0106	0099	SDWAP 34	15.02.2000	SD-WAP	B	Goyona	600038	
0273	M	0106	0137	SDWAP 35	31.12.2000	SD-WAP	B	Suru	600657	

APPENDIX II

Current Studbook Population





ZOO BASEL

Current population

Greater one-horned rhinoceros

Report date: 31 December 2000

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
ASSAM									
0169	M	WILD	WILD						
				Assam 21	27.01.1980	ASSAM	P	Lakshman	
0170	M	WILD	WILD						
				Assam 22	23.08.1980	ASSAM	P	John	
0172	M	WILD	WILD						
				Kaz 23	15.07.1982	ASSAM	P	Ganesh	
0173	M	0024	0168						
				Gauh 6	11.05.1987	ASSAM	B	Bishnu	
0176	M	0169	0168						
				Gauh 7	30.03.1989	ASSAM	B	Mohesh	
0192	F	WILD	WILD						
				Kaz 27	10.08.1991	ASSAM	P	Baghekhaiti	
0235	F	0169	0168						
				Gauh 8	22.02.1995	ASSAM	B	Rita	
BASEL									
0110	F	0018	0056						
				Basel 19	16.01.1982	BASEL	B	Ellora	820034
0210	F	0100	0110						
				Basel 27	10.10.1993	BASEL	B	Quetta	930042
0220	M	0106	0130						
				SDWAP 20	18.03.1994	SD-WAP	B	Jafna	694115
					29.03.1996	BASEL	P		694115
BATONROUG									
0180	M	0026	0029						
				SDWAP 12	27.01.1990	SD-WAP	B	Jaunpur	690037
					06.04.1995	ROLLING H	L		950030
					14.11.1996	BATONROUG	L		7914
					19.05.1997	BATONROUG	T		7914
BERLIN TP									
0040	F	WILD	WILD						
				Nepal 2	01.08.1987	BERLIN TP	P	Kumari	
0166	M	0042	0040						
				Ber-T 2	01.01.1990	BERLIN TP	B	Belur	
					21.06.1993	BERLINZOO	L		
					10.06.1997	BERLIN TP	R		
0182	F	0106	0130						
				SDWAP 13	20.07.1990	SD-WAP	B	Jhansi	690458
					10.10.1994	STUTTGART	T		5628
					10.10.1994	BERLIN TP	L		
0226	F	0106	0182						
				Ber-T 3	21.01.1995	BERLIN TP	B	Betty	
BERLINZOO									
0132	M	0060	0051						
				Whip 5	09.08.1986	WHIPSHADE	B	Yodha	
					03.12.1987	CHESTER	L		1652
					13.10.1998	BERLINZOO	L		
0144	F	WILD	WILD						
				Nepal 17	15.05.1988	BERLINZOO	D	Narajani	



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
BUFFALO									
0187	M	0010	0080						
				Phil 4	24.07.1991	PHILADELP	B	Dhautagiri	102345
					21.07.1992	BUFFALO	L		92M163
					30.09.1998	BUFFALO	D		92M163
0241	F	0125	0161						
				Okla 1	06.12.1996	OKLAHOMA	B	Tashi	701406
					06.11.1998	BUFFALO	L		98M146
CALCUTTA									
0094	M	WILD	WILD						
				Kaz 19	12.02.1974	ASSAM	P	Hihua	
					14.03.1974	CALCUTTA	P	Meghnad	
0095	F	WILD	WILD						
				Kaz 20	22.01.1974	ASSAM	P	Mayuri	
					14.03.1974	CALCUTTA	P	Kadambini	
0150	M	0094	0095						
				Calc 2	04.06.1984	CALCUTTA	B	Debraj	
0219	F	WILD	WILD						
				Assam 29	11.03.1979	CALCUTTA	P	Mayuri	
CHANDIGAR									
0215	M	WILD	WILD						
				Kaz 30	17.10.1977	ASSAM	P	Balaram	
					14.12.1977	CHANDIGAR	?		
0250	M	0215	0216						
				Chand 1	09.05.1986	CHANDIGAR	B	Chhatbir	
CHIANG MA									
0109	M	0041	0034						
				Stutt 5	30.08.1981	STUTTGART	B	Nadir	3125
					13.04.1983	ROTTERDAM	L		109
					01.07.1990	SINGAPORE	L		G45
					12.12.1994	CHIANG MA	L		
0243	F	WILD	WILD						
				Nepal 27	22.04.1986	CHIANG MA	P		
CINCINNAT									
0147	M	0010	0080						
				Phil 3	14.08.1988	PHILADELP	B	Jimmy	101728
					25.10.1989	CINCINNAT	L		189167
0189	F	0069	0079						
				Toro 1	25.12.1991	TORONTO	B	Nikki	27199
					22.08.1994	CINCINNAT	L		194156
DELHI									
0151	M	WILD	WILD						
				Kaz 44	05.05.1982	ASSAM	P	Agni	
					03.03.1983	DELHI	?	Dabhu Agni	
0194	F	WILD	WILD						
				Kaz 45	04.06.1982	ASSAM	?	Mohini	
					20.12.1990	DELHI	P		
0202	M	0151	0194						
				Delhi 2	27.12.1992	DELHI	B	Ayodhya	
0251	M	0151	0194						
				Delhi 3	28.08.1995	DELHI	B	Meghdoot	
0252	F	0151	0194						
				Delhi 4	27.11.1997	DELHI	B	Maheshwari	



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
DVURKRALV									
0093	F	0041	0034						
				Stutt 4	13.09.1979	STUTTGART	B	Numa	
					22.07.1981	DVURKRALV	P		
0145	M	0050	0051						
				Whip 6	08.05.1988	WHIPSNIDE	B	Ropen	
					16.11.1990	DVURKRALV	L		
0245	F	0145	0093						
				Dvkr 3	13.09.1997	DVURKRALV	B	Nova	
FORTWORTH									
0190	M	WILD	WILD						
				Nepal 22	10.05.1990	FORTWORTH	P	Arun	724
0191	F	WILD	WILD						
				Nepal 23	10.05.1990	FORTWORTH	P	Arati	725
GORUMARA									
0174	M	WILD	WILD						
				Assam 24	25.08.1987	ASSAM	P	Ratul	
					17.10.1995	GORUMARA	P		REL
GULF BREZ									
0029	F	0024	0082						
				Gauh 2	10.07.1963	ASSAM	B	Jaypuri	
					28.02.1965	SANDIEGOZ	P		
					26.04.1972	SD-WAP	P		100288
					07.11.1995	GULF BREZ	L		A1857
0224	M	0026	0029						
				SDWAP 21	26.11.1994	SD-WAP	B	Jafar	694673
					07.11.1995	GULF BREZ	L		A1858
HYDERABAD									
0096	M	0076	0077						
				Hyde 2	12.11.1978	HYDERABAD	B	Laddu	
JALDAPARA									
0178	M	WILD	WILD						
				Kaz 25	26.07.1989	ASSAM	P	Madhu	
					17.10.1995	JALDAPARA	P		REL
KANAZAWA									
0117	M	0041	0034						
				Stutt 6	12.07.1983	STUTTGART	B	Katgin	
					27.08.1985	KANAZAWA	P		
KANPUR									
0128	F	WILD	WILD						
				Assam 17	11.08.1973	ASSAM	P	Usha	
					04.03.1977	KANPUR	P		
0140	M	0070	0128						
				Kan 3	17.05.1987	KANPUR	B	Mohit	
0160	M	0070	0128						
				Kan 4	23.06.1989	KANPUR	B	Rohit	
0186	M	0070	0128						
				Kan 5	05.07.1991	KANPUR	B	Mudit	
LIBEREC									
0141	M	0086	0093						
				Dvkr 2	04.11.1987	DVURKRALV	B	Nim	
					09.11.1989	LIBEREC	P		



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
LISBON									
0188	M	0106	0143						
				SDWAP 15	22.12.1991	SD-WAP	B	Gangtok	691776
					25.10.1996	LISBON	L		5497
0201	F	0115	0055						
				Antw 5	15.11.1992	PLANCKNDL	B	Teja	184008
					21.11.1992	WHIPSHADE	D		L2961
					24.11.1996	LISBON	L		5532
					01.01.2000	LISBON	D		5532
LISIEUX Z									
0229	F	0115	0113						
				Antw 7	12.10.1995	PLANCKNDL	B	Winona	184010
					26.04.2000	LISIEUX Z	L		
LISIEUX Z									
0184	M	0106	0099						
				SDWAP 14	28.12.1990	SD-WAP	B	Gujrat	690732
					25.10.1996	LISBON	L		5496
					09.12.1999	LISIEUX Z	L		
LOSANGELE									
0035	M	WILD	WILD						
				Assam 7	08.03.1966	LOSANGELE	P	Herman	01743
0045	F	0018	0017						
				Basel 10	05.10.1969	BASEL	B	Randa	690025
					06.10.1970	HOUSTON	P		
					06.04.1972	BROWNSVL	?		
					22.11.1974	LOSANGELE	P		07940
LOWRY									
0118	M	0026	0029						
				SDWAP 6	01.05.1983	SD-WAP	B	Jorhat	683352
					05.06.1985	SANDIEGOZ	L		
					17.09.1988	LOWRY	L		100123
LUCKNOW									
0092	F	WILD	WILD						
				Assam 16	24.04.1978	ASSAM	P	Krishna Jr.	
					20.10.1979	LUCKNOW	?		
0129	M	0070	0128						
				Kan 2	06.12.1984	KANPUR	B	Lohit	
					06.04.1995	LUCKNOW	T		
MADRID Z									
0253	M	0134	0185						
				Rott 1	04.01.1998	ROTTERDAM	B	Kaila Padam	105672
					09.11.1999	MADRID Z	L		
METROZOO									
0050	F	WILD	WILD						
				Nepal 4	12.06.1970	METROZOO	D	Shanti	108
					10.04.1987	PHILADELP	L		101589
					22.11.1988	NY BRONX	L		881458
					28.03.1990	METROZOO	R		108
					29.05.1996	NY BRONX	L		881458
					12.10.1996	METROZOO	R		108
0126	M	0010	0080						
				Phil 2	03.11.1985	PHILADELP	B	BJ/Akbar	101430
					06.04.1987	METROZOO	L	Akbar	M00755
					01.01.1999	METROZOO	D	BJ/Akbar	M00755



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
MONTGOMER									
0101	M	0026	0029						
				SDWAP 4	08.08.1980	SD-WAP	B	Pandu	103996
					04.11.1982	SANDIEGOZ	L		282326
					01.07.1985	NZP-WASH	L		106574
					12.02.1993	NZP-WASH	D		106574
					09.07.1996	PHILADELP	L		103314
					04.05.1998	MONTGOMER	L		2499
MUNICH									
0148	F	0100	0056						
				Basel 21	04.10.1988	BASEL	B	Nasi	880036
					12.07.1990	MUNICH	P		079002
0152	M	0041	0034						
				Stutt 9	27.11.1988	STUTTGART	B	Nikolaus	3869
					12.06.1990	MUNICH	L		079003
0193	F	WILD	WILD						
				Nepal 20	15.04.1990	MUNICH	P	Rapli	079001
MYSORE									
0061	M	WILD	WILD						
				Kaz 13	24.01.1980	ASSAM	P	Ram	
					29.01.1985	MYSORE	P	Muniya	
NAGOYA									
0057	M	0024	0025						
				Gauh 3	12.09.1971	ASSAM	B	Samber	
					02.10.1974	NAGOYA	P	Sanver	
0064	F	WILD	WILD						
				Assam 10	03.01.1974	ASSAM	P	Jaya	
					02.10.1974	NAGOYA	P		
0181	M	0100	0110						
				Basel 23	31.05.1990	BASEL	B	Nandi	900038
					28.11.1991	NAGOYA	P		
0183	F	0100	0056						
				Basel 24	23.10.1990	BASEL	B	Nilgiri	910039
					28.11.1991	NAGOYA	P		
0263	M	0057	0183						
				Nag 1	14.08.1999	NAGOYA	B	Dora	
NANDANKAN									
0153	F	WILD	WILD						
				Kaz 21	16.09.1974	ASSAM	P	Numali	
					08.04.1976	NANDANKAN	P		
0154	M	WILD	WILD						
				Assam 34	22.08.1977	ASSAM	P	Ganesh	
					02.12.1979	NANDANKAN	?	Nandan	
NURNBERG									
0135	M	0041	0034						
				Stutt 8	24.12.1986	STUTTGART	B	Noel	
					01.12.1989	NURNBERG	P		
0195	F	0100	0110						
				Basel 25	23.01.1992	BASEL	B	Purana	920040
					08.07.1993	NURNBERG	P		
0265	M	0135	0195						
				Nur 1	08.10.1999	NURNBERG	B	Albrecht	



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
NY BRONX									
0053	M	0001	0011						
				Myso 2	16.04.1971	MYSORE	B	Vinu	
					28.08.1975	GELSNKRKN	P		
					28.05.1976	TORONTO	P		7720
					30.05.1990	NY BRONX	L		901264
0066	F	WILD	WILD						
				Kaz 14	14.08.1973	ASSAM	P	Mayang Kumari	
					30.01.1975	NY BRONX	P	Pinky	751511
0131	F	0083	0066						
				Neyo 1	09.04.1986	NY BRONX	B	Ellah	861069
0139	F	WILD	WILD						
				Nepal 16	27.05.1987	NZP-WASH	D	Kali	107664
					23.04.1998	NY BRONX	L		981044
0230	F	0053	0131						
				Neyo 4	28.12.1995	NY BRONX	B	Daily	951230
0254	M	0053	0131						
				Neyo 5	27.07.1998	NY BRONX	B	Michael Cline	981132
0271	F	0053	0131						
				Neyo 6	22.12.2000	NY BRONX	B		M00167
NZP-WASH									
0049	M	WILD	WILD						
				Nepal 3	23.04.1970	METROZOO	D	Mohan	107
					14.06.1998	NZP-WASH	L		
0138	F	WILD	WILD						
				Nepal 15	27.05.1987	NZP-WASH	D	Mechi	107663
					10.05.1994	PHILADELP	L		102924
					20.10.1994	NZP-WASH	R		107663
OKLAHOMA									
0125	M	0035	0046						
				Losan 4	11.08.1985	LOSANGELE	B	Chandra	002213
					15.11.1990	OKLAHOMA	L		542705
0161	F	0083	0066						
				Neyo 2	05.09.1989	NY BRONX	B	Mary	891286
					08.11.1993	OKLAHOMA	R		513604
PATNA									
0155	F	WILD	WILD						
				Assam 19	21.07.1974	ASSAM	P	Caitralekha	
					28.05.1979	PATNA	?	Kanchi	
0156	M	WILD	WILD						
				Assam 20	19.08.1977	ASSAM	P	Vijay	
					28.05.1979	PATNA	?	Kancha	
0157	M	WILD	WILD						
				India K	28.03.1982	PATNA	P	Raju	
0159	F	0157	0155						
				Patna 2	08.07.1988	PATNA	B	Hartali	
0203	F	0157	0156						
				Patna 3	06.07.1991	PATNA	B	Chholki	
PEKING									
0098	F	WILD	WILD						
				Nepal 7	09.10.1980	PEKING	D	Bang Ti	



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
PHILADELP									
0080	F	0018	0007						
				Basel 14	10.10.1975	BASEL	B	Xavira	750029
					07.11.1979	PHILADELP	P		100925
0222	M	0069	0079						
				Toro 2	11.09.1994	TORONTO	B	Sanjay	30105
					26.01.1998	TORONTO	L		30105
					26.01.1998	PHILADELP	D		103525
					28.08.1998	PHILADELP	R		103525
0223	F	0010	0080						
				Phil 5	05.10.1994	PHILADELP	B	Penny	103011
PLANCKNDL									
0055	F	0018	0017						
				Basel 11	11.08.1971	BASEL	B	Tutuma	710026
					05.09.1972	PLANCKNDL	P	Zutuma	184003
0113	F	0073	0055						
				Antw 2	09.08.1982	PLANCKNDL	B	Johanna	184004
0255	M	0115	0113						
				Antw 9	21.09.1998	PLANCKNDL	B	Zimon	184012
ROLLING H									
0146	M	0026	0029						
				SDWAP 10	22.05.1988	SD-WAP	B	Joya	688293
					13.09.1990	SANDIEGOZ	L		
					06.04.1995	ROLLING H	L		950029
ROTTERDAM									
0134	M	0073	0055						
				Antw 3	24.10.1986	PLANCKNDL	B	Nico	184006
					09.10.1990	ROTTERDAM	L		104083
0165	F	0041	0034						
				Stutt 10	11.02.1991	STUTT GART	B	Namaste	4449
					16.06.1993	ROTTERDAM	L		104724
0270	M	0134	0185						
				Rott 2	04.07.2000	ROTTERDAM	B	Namaste-Nandana	106133
SAN FRAN									
0227	M	0106	0099						
				SDWAP 23	26.05.1995	SD-WAP	B	ASSAM	695264
					14.02.1997	SAN FRAN	L		



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
SD-WAP									
0089	F	0032	0031						
				Ber-Z 3	13.08.1979	BERLINZOO	B	Terai	
					12.07.1981	OKLAHOMA	P		968102
					16.11.1990	LOSANGELE	L		95967
					18.02.1997	SD-WAP	L		697059
0099	F	0026	0029						
				SDWAP 3	19.03.1978	SD-WAP	B	Gaında	102575
0106	M	0076	0077						
				Hyde 3	15.05.1981	HYDERABAD	B	Srinivas	
					10.08.1983	SD-WAP	D	Rabha	783639
					30.11.1983	SANDIEGOZ	D		
					29.05.1985	SD-WAP	D		783639
0130	F	0026	0029						
				SDWAP 8	18.01.1986	SD-WAP	B	Jumia	005257
0137	F	WILD	WILD						
				Nepal 14	26.05.1987	SAN FRAN	P	Shanti	187049
					27.11.1996	SD-WAP	L		696602
0143	F	0026	0099						
				SDWAP 9	28.05.1987	SD-WAP	B	Goalpara	687346
0209	F	0026	0143						
				SDWAP 19	07.09.1993	SD-WAP	B	Godavari	693536
0236	M	0026	0130						
				SDWAP 25	04.01.1996	SD-WAP	B	Jasai	696004
0244	F	0106	0130						
				SDWAP 26	24.08.1997	SD-WAP	B	Jakichu	697474
0249	M	0106	0209						
				SDWAP 29	23.11.1997	SD-WAP	B	Girja	697600
0259	M	0106	0143						
				SDWAP 31	18.05.1999	SD-WAP	B	Gram	699277
0262	M	0106	0130						
				SDWAP 32	27.07.1999	SD-WAP	B	Jiibito	699439
0266	F	0106	0209						
				SDWAP 33	22.12.1999	SD-WAP	B	Gopon	699614
0272	F	0106	0099						
				SDWAP 34	15.02.2000	SD-WAP	B	Goyona	600038
0273	M	0106	0137						
				SDWAP 35	31.12.2000	SD-WAP	B	Suru	600657
SINGAPORE									
0097	F	0094	0023						
				Calc 1	09.01.1979	CALCUTTA	B	Gomali	
					10.03.1986	COLOGNE	P		462
					02.05.1997	SINGAPORE	D		G4844
0124	M	0026	0099						
				SDWAP 7	25.06.1985	SD-WAP	B	Gurkha	028851
					26.10.1989	SINGAPORE	L		G42
0206	M	0100	0056						
				Basel 26	22.02.1993	BASEL	B	Quilon	930041
					29.04.1995	SINGAPORE	L		G3209



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
STUTT GART									
0123	M	0041	0034						
				Stutt 7	29.01.1985	STUTT GART	B	Bruno	3127
					09.12.1987	COLOGNE	L		
					23.04.1997	STUTT GART	R		3127
0204	F	WILD	WILD						
				Nepal 21	30.06.1993	STUTT GART	D	Sani	5143
0289	F	0123	0204						
				Stutt 11	12.02.2000	STUTT GART	B	Sarasvali	7561
TOKYOTAMA									
0240	M	0100	0110						
				Basel 28	20.11.1996	BASEL	B	Tarrh	960043
					08.10.1998	TOKYOTAMA	D		2463
TORONTO									
0069	M	0019	0028						
				Wash 1	30.01.1974	NZP-WASH	B	Patrick	100859
					29.10.1975	NY BRONX	L		751821
					16.06.1989	TORONTO	L		24640
0079	F	0001	0011						
				Myso 3	19.07.1975	MYSORE	B	Indira	
					15.06.1976	GELSNKRKN	P		
					27.04.1979	TORONTO	P		11554
0264	F	0069	0079						
				Toro 3	14.08.1999	TORONTO	B	Sanya	34890
TRIPURA									
0179	M	WILD	WILD						
				Kaz 26	20.08.1990	ASSAM	P	Pradip	
					14.10.1994	TRIPURA	P		REL
TRIVANDRU									
0175	M	WILD	WILD						
				Assam 25	24.09.1988	ASSAM	P	Ramu	
					19.05.1993	TRIVANDRU	P		
0177	M	WILD	WILD						
				Kaz 24	26.07.1989	ASSAM	P	Jadu	
					19.05.1993	TRIVANDRU	P		
VEERMATA									
0217	M	WILD	WILD						
				Assam 28	24.04.1979	ASSAM	P	Shiva	
					25.02.1985	VEERMATA	?		
WHIPSDADE									
0051	F	0033	0043						
				Delhi 1	27.01.1971	DELHI	B	Roopa	
					06.02.1973	WHIPSDADE	T		L259
0060	M	0018	0031						
				Ber-Z 1	04.04.1972	BERLINZOO	B	Kumar	
					15.06.1973	AMSTERDAM	P		
					23.04.1976	WHIPSDADE	T		L260
0256	F	WILD	WILD						
				Nepal 28	29.04.1997	LONDON RP	L	Beluki	A3568
					22.09.1998	WHIPSDADE	L		L3165
0257	F	WILD	WILD						
				Nepal 29	29.04.1997	LONDON RP	L	Behin	A3569
					03.11.1998	WHIPSDADE	L		L3188



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
WILDS									
0087	M	0018	0056						
				Basel 16	26.01.1978	BASEL	B	Assam	780031
					06.11.1979	PHILADELP	L		100924
					14.10.1982	NY BRONX	P		821339
					29.10.1991	MILWAUKEE	L		3622
					22.05.1996	WILDS	L		960503
0238	F	0101	0138						
				Wash 5	18.09.1996	NZP-WASH	B	Chitwan	112925
					21.05.1998	WILDS	L		960503
0239	M	0101	0139						
				Wash 6	31.10.1996	NZP-WASH	B	Himal	112946
					21.05.1998	WILDS	L		960502



Summary of the Greater one-horned rhinoceros Collection

The following institutions currently house indian rhinos. Institutions which participate in an international breeding programme are marked.

EEP = European Endangered Species Programme

SSP = Species Survival Programme

? = unknown Programme

✓ = responded to the annual questionnaire 2000

ASSAM	Government of Assam, Office of the Divisional Forest Officer Assam State Zoo Divn., Guwahati 5, Assam India	5.2.0	?	
BASEL	Zoo Basel, Binnigerstrasse 40, Postfach 4011 Basel, Switzerland	1.2.0	EEP	✓
BATONROUG	Greater Baton Rouge Zoo, P.O.Box 60 Baker, Louisiana 70704-0060, USA	1.0.0	SSP	✓
BERLIN TP	Tierpark Berlin-Friedrichsfelde GmbH Am Tierpark 125, 10307 Berlin, Germany	1.3.0	EEP	✓
BERLINZOO	Zoo Berlin, Hardenbergplatz 8, 10787 Berlin Germany	1.1.0	EEP	✓
BUFFALO	Buffalo Zoo, 300 Parkside Avenue, Buffalo New York 14214-1999, USA	1.1.0	SSP	
CALCUTTA	Zoological Garden Alipore, Calcutta, 700027 West Bengal, India	2.2.0	?	
CHANDIGAR	M.C. Zoological Park, Chhat-Bir (Pb), SCO NO.839-40, Sector 22A, Chandigarh, India	2.0.0	?	
CHIANG MA	Chiangmai Zoo, 100 Huay Keaw Road 5000 Chiangmai, Thailand	1.1.0	?	
CINCINNAT	The Cincinnati Zoo and Botanical Garden 3400 Vine Street, Cincinnati, Ohio 45220-1399, USA	1.1.0	SSP	✓
DELHI	National Zoological Park, Near Purana Quila Mathura Road, 110003 New Delhi, India	2.2.0	?	
DVURKRALV	Východoceská Zoo-Safari, Dvur Kralové, Stefánikova 1029, 54401 Dvur Kralové nad Labem Czech Republic	1.2.0	EEP	✓
FORTWORTH	Fort Worth Zoo, 1989 Colonial Parkway, Fort Worth Texas 76110, USA	1.1.0	SSP	✓
GULF BREZ	The Zoo Gulf Breeze, 5701 Gulf Breeze Parkway, Gulf Breeze, Florida 32561, USA	1.1.0	SSP	✓
HYDERABAD	Hyderabad Zoological Garden, 500002 Hyderabad Sind, Pakistan	1.0.0	?	



KANAZAWA	Kanazawa Zoological Gardens of Yokohama, 5-15-1 Kamariya higashi, Kanazawa-ku, 236-0042 Yokohama Japan	1.0.0	?	
KANPUR	Kanpur Zoological Park, Azad Nagar, 208002 U.P. Kanpur, India	3.1.0	?	
LIBEREC	Zoologická zahrada Liberec, Masarykova 1347/31 460 01 Liberec 1, Czech Republic	1.0.0	EEP	✓
LISBON	Zoo Lisboa, Estrada de Benfica 158, 1500 Lisboa Portugal	1.1.0	EEP	✓
LISIEUX Z	Zoo Cerza, Hermival-les-Vaux, 14100 Lisieux France	1.1.0	EEP	✓
LOSANGELE	Los Angeles Zoo, 5333 Zoo Drive, Los Angeles CA 90027, USA	1.1.0	SSP	✓
LOWRY	Lowry Park Zoological Garden, 7530 North Boulevard Tampa, FL 33604-4756, USA	1.0.0	SSP	
LUCKNOW	Prince of Wales Zoological Gardens 226001 Lucknow, India	1.1.0	?	
MADRID Z	Zoo Aquarium Madrid, Casa de Campo S/N 28011 Madrid, Spain	1.0.0	EEP	✓
METROZOO	Miami Metrozoo, 12400 SW 152 Street, Miami Florida 33177-1499, USA	1.1.0	SSP	✓
MONTGOMER	The Montgomery Zoo, PO Box 3313, Montgomery AL 36109-0313, USA	1.0.0	?	✓
MUNICH	Münchener Tierpark Hellabrunn AG, Tierparkstr. 30 81543 München, Germany	1.2.0	EEP	✓
MYSORE	Sri Chamarajendra Zoological Gardens Indiranagar Karnataka State, 570 010 Mysore, India	1.0.0	?	
NAGOYA	Nagoya Higashiyama Zoo 3-70 Higashiyamamotomachi Chikusaku, 464-0804 Nagoya, Japan	3.2.0	?	✓
NANDANKAN	Nandankanan Biological Park Mayur Bharan, Janpath, Saheed Nagar, 751007 Bhubaneswar (Orissa), India	1.1.0	?	
NURNBERG	Tiergarten Nürnberg, Am Tiergarten 30 90480 Nürnberg, Germany	2.1.0	EEP	
NY BRONX	Wildlife Conservation Park Bronx Zoo, 185th Street and Southern Boulevard, Bronx, NY 10460, USA	3.5.0	SSP	✓
NZP-WASH	Smithsonian National Zoological Park Washington, D.C. 20008-2598, USA	1.1.0	SSP	✓
OKLAHOMA	Oklahoma City Zoo, 2101 NE 50, Oklahoma City OK 73111, USA	1.1.0	SSP	✓



PATNA	Sanja Gandhi Biological Park, Patna, Bihar, India	2.3.0	?	
PEKING	Beijing Zoological Gardens, 137 Xi Zhi Men Wai Str. Beijing, China	0.1.0	?	
PHILADELP	Philadelphia Zoological Gardens 3400 West Girard Avenue, Philadelphia PA 19104-1196, USA	1.2.0	SSP	✓
PLANCKNDL	Dierenpark Planckendael, Leuvensesteenweg 582 2812 Muizen-Mechelen, Belgium	1.2.0	EEP	✓
ROLLING H	Rolling Hills Refuge Wildlife Center, 625 North Hedville Road, Salina, KS 67401, USA	1.0.0	SSP	✓
ROTTERDAM	Rotterdam Zoo, P.O.Box 532, 3000 AM Rotterdam The Netherlands	2.1.0	EEP	✓
SAN FRAN	San Francisco Zoo, 1 Zoo Road, CA 94132-1098 San Francisco, USA	1.0.0	SSP	✓
SD-WAP	San Diego Zoological Society Wild Animal Park, P.O.Box 551, San Diego, CA 92112-0551, USA	5.8.0	SSP	
SINGAPORE	Singapore Zoological Gardens, 80 Mandai Lake Road 2572 Singapore	2.1.0	?	✓
STUTTGART	Wilhelma Zoologisch-botanischer Garten Postfach 501227, 70342 Stuttgart, Germany	1.2.0	EEP	✓
TOKYOTAMA	Tama Zoological Park, Hodokubo, Hino-shi 191 Tokyo, Japan	1.0.0	?	✓
TORONTO	Toronto Zoo, 361A Old Finch Avenue Scarborough M1B 5K7 Ontario, Canada	1.2.0	SSP	✓
TRIVANDRU	Trivandrum Zoological Gardens, Trivandrum Kerala State, India	2.0.0	?	✓
VEERMATA	Veermata Jijabai Bhosle Udyan, Dr. Ambedkar Road Byculla, 400027 Mumbai, India	1.0.0	?	✓
WHIPSNAD	Whipsnade Wild Animal Park, Dunstable, LU6 2LF Bedfordshire, United Kingdom	1.3.0	EEP	✓
WILDS	The Wilds, 14000 International Road, Cumberland OH 43732 USA	2.1.0	SSP	✓



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