

NATIONAL STUDBOOK

Snow Leopard (*Panthera uncia*) III Edition

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Wildlife Institute of India



केन्द्रीय चिड़ियाघर प्राधिकरण
Central Zoo Authority

National Studbook

Snow Leopard (*Panthera uncia*) III Edition

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FOREWORD

Recent changes in the threat perception of the species have resulted in its being listed as vulnerable from the previous endangered in the IUCN Red list of threatened species. Maintaining ex-situ populations for insurance is a part of the conservation strategy for ensuring the long-term survival of the species. This calls for maintaining genetically viable and demographically stable populations in captivity that can be ensured by using pedigree information contained in studbooks for understanding the demographic and genetic structure of populations required for effective management of captive populations.

The Central Zoo Authority (CZA) has initiated a conservation breeding program for threatened species in Indian zoos. As a part of this endeavor the Wildlife Institute of India has been carrying out the task of compilation and update of studbooks of identified species in Indian zoos.

As a part of the project outcomes, the WII has compiled and updated the second edition of the National studbook of Snow leopard (*Panthera uncia*) III Edition in Indian zoos. The recommendations contained in the studbook should form the basis for the long term management of the species in captivity.

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TABLE OF CONTENTS

Species Information	1
Status in Captivity	5
Methods	5
Scope of the Studbook	6
Analysis	6
Demographic Status	6
Genetic Status	8
Pairing Recommendations	8
Targets for Population Management	9
Conclusions and Recommendations	10
References	12
Annexure I - Historical population	15
Annexure II - Living population	31
Annexure III - Pedigree Report	32
Annexure IV – Location Glossary	122

SNOW LEOPARD

(*Panthera uncia*)

Species Information

Snow leopards are apex predators inhabiting rugged and extreme environments in the trans-Himalayas, central Asian highlands to the cold deserts of Mongolia. Their prey base includes medium sized ungulates, rodents and birds depending on local availability.

Taxonomy

Phylum	Choradata
Class	Mammalia
Order	Carnivora
Family	Felidae
Sub-family	Pantherinae
Genus	<i>Panthera</i> (Gray 1854)
Species	<i>Panthera uncia</i> (Schreber 1775)



The species was placed in the family *Felidae*, subfamily *Pantherinae* based on structural similarities in skull common with lions, tigers and jaguars (Dang 1967). However it differs from the other members of the subfamily in possessing a unique ill-developed hyoid apparatus which is partly ossified with slightly thickened, vocal folds that limit it from roaring (Hemmer 1972, Hast 1987). Based on these differences in the hyoid bone, Grzimek (1972), recommended that Snow leopard be placed under the generic name *Uncia* in the subfamily *Pantherinae*. Phylogenetic analysis by Johnson *et al.* (2006) showed that Snow leopard is most closely related to the tiger (*Panthera tigris*) with the divergence time estimated to be 2 million years. Johnson and O'Brien (2007) placed Snow leopard in the genus *Panthera* based on mitochondrial DNA analysis and suggested that Snow leopard was amongst the earliest members of this group to diverge from their last common ancestor after Clouded leopard. Therefore, the Snow leopard is now placed in the genus *Panthera*.

General biology

The pelage colour varies between pale gray to cream-gray with a paler underbelly. The head, neck and lower limbs have solid spots while the lateral sides and tail have rosettes encircling small dark spots. A row of elongated dark spots extends along the dorsal median side. The skull is short and broad, with a broad forehead to accommodate the wide expanse of the nasal cavity; a likely adaptation to

Table 1: Morphometry of snow leopard*

Characteristics	Range
Body length	1.0 – 1.3 m
Tail length	0.8 – 1.0 m
Shoulder height	0.6 m
Body weight (Adult)	25 – 75 kg

* Source Hemmer (1972)

the extreme habitat they occupy. They have powerful hind legs, longer than the forelimbs that enable them to jump up to six metres. The body is covered with furry coat with longer hairs during winters that provide insulation (Hemmer 1972).

Reproductive biology

Snow leopards in captivity have been reported to reach sexual maturity by 3 – 6 years of age (Blomqvist and Sten 1982). Females produce litters till 11 years of age, after which the productivity declines. The estrus period ranges between 2 – 8 days with varying estimates reported by various

Table 2: Life history traits of Snow leopards*

Mating season	Late January and mid-March
Gestation period	93 to 110 days
Birth seasonality	March to early September
Litter size in wild	Average=2-3; range= 1-5
Litter size in captivity	Average=2.2; range= 1-4 cubs, 2.2
Inter-birth interval in wild	At least 2 years in wild
Inter-birth interval in captivity	1 year in captivity
Age at dispersal	18-22 months

* The table is based on information from various sources

studies (Sadlier 1966; Kitchner *et al.* 1975; Blomqvist and Sten 1982). The species is a seasonal breeder with onset of mating in January and continuing till April (Andriuskevicius 1980; Blomqvist and Sten 1982; Mallon 1985; Ahlborn and Jackson 1988). Observations of snow leopards in captive conditions, suggest that mating takes place from January to March (Blomqvist and Sten 1982). Most captive-births have been recorded between late March and early September, with a peak in May (Freeman and Hutchins 1978; Blomqvist and Sten 1982; Rieger 1982). The age at dispersal in wild snow leopards is not known, however it has been estimated at around 18-22 months of age and cubs are known to be fully dependent on their mother for food and protection (Jackson 1996)

Habitat and ecology

Snow Leopards inhabit alpine and sub-alpine ecological zones (McCarthy *et al.* 2003). The habitat preference of Snow leopards is guided by the presence of sheltered places for bedding sites, close to ridgelines, stream-beds and other linear features used for travelling around their home range and prey availability (Chundawat 1991; Jackson 1996).

The home range size of the species in Nepal ranged between 12 to 39 square kilometres, with a high degree of spatial overlap, both within and between sexes (Jackson 1996). The average distances travelled daily by males was 1.9 km, while that for females was 2.2 km. Home ranges are spatially overlapping but have temporally separated core areas with a high degree of spatial overlap, both within and between sexes. Core areas were preferred over other parts of the home range with 42–60% of home-range use occurring within only 14–23% of the total home range. Adult males have the highest spatial separation (5.4 km) followed by separation between males and females (4.0 km) while adult females (2.6 km) are the most tolerant of same sex individuals (Jackson 1996). Lack of food resources may lead to increased home ranges for both males and females (McCarthy *et al.* 2005).

Food habits in snow leopard have been studied in Ladakh, India by Chundawat and Rawat (1994); in Nepal by Oli *et al.* (1993), in North Pakistan Anwar *et al.* (2011) and in Qinghai, China by Schaller *et al.* (1988). These reports indicate that the preferred prey base for snow leopards consists of medium-sized ungulates like blue sheep, Himalayan tahr, musk deer and livestock (Schaller *et al.* 1988; Oli *et al.* 1993; Chundawat and Rawat 1994; Jackson 1996; Bagchi and Mishra 2006). Smaller prey like hare, pika, marmot, rodents, mustelids, and canids were also a part of their diet in central Asia, India, and Nepal (Schaller *et al.* 1988; Heptner and Sludskii 1992; Oli *et al.* 1993; Chundawat and Rawat 1994; Jackson 1996; Bagchi and Mishra 2006). The acute paucity of natural prey species in North Pakistan accounts for the large percentage of livestock (70%) in the food biomass in comparison to wild ungulates like ibex (20.5%) and markhor (7.4%) (Anwar *et al.* 2011). Snow leopards also prey upon game birds like snow cock (*Tetraogallus tibetanus*, *T. altaicus* and *T. himalayensis*), chukor (*Alectoris chukor*) and snow partridge (*Lerwa lerwa*) (Heptner and Sludskii 1992; Mallon 1984; Schaller 1977).

Behaviour

Snow leopards are crepuscular in their activity pattern, with peaks in activity at both dawn and dusk (Schaller *et al.* 1994). Information on the feeding behaviour of Snow leopards is scarce. However, studies suggest that the kill is hidden in vegetative or rocky cover, where it feeds and rests until all the meat has been consumed. Feeding is initiated from the groin towards the thigh region (Jackson 1996). Observations at the Langu valley, Nepal and in Ladakh suggest Snow leopards can almost completely consume their kills (including the viscera), provided they were guarded from scavengers (Fox and Chundawat 1988; Jackson 1996).

For the sparsely distributed, solitary top predator communication through marking behaviour plays a very important role in its social interaction system than among other felids (Sharma *et al.* 2006). Both sexes of Snow leopards are characterized by intensive marking behaviour (Schaller 1977). Markings consist of scrapes, faeces, urine and/or anal scent, scent-sprayed rock, and claw-raked tree trunks (Ahlborn and Jackson 1988). Scraping (new scrapes and re-scraping of existing marks) and scent-spraying are the two most abundant form of marking behaviour. Marking behaviour allows for spatial and temporal spacing of animals and also for detecting receptive females during the mating season. Markings are strongly concentrated in high use areas of their home ranges and serve to avoid con-specific conflicts (Ahlborn and Jackson 1988).

Social and breeding behaviour

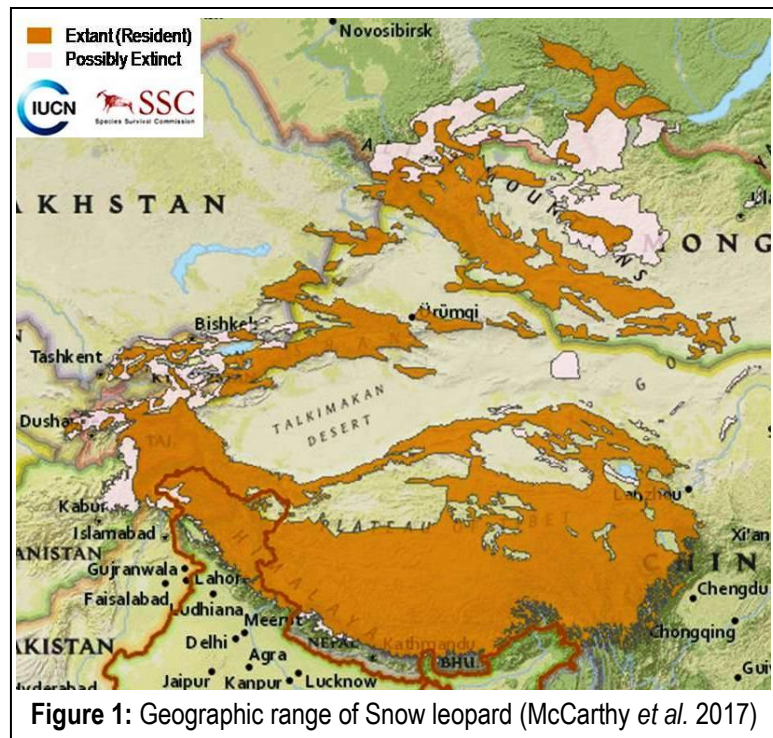
Limited information is available on the social and breeding behaviour of the species due to its elusive nature and inaccessible field conditions. Like most species of cats, snow leopards are solitary animals except mating pairs and females with cubs. Mating is strongly seasonal in wild snow leopards. Marking and vocalization, especially by males increase during the breeding season (Jackson 1996).

Studies in captivity indicate that heterosexual pairs have a high degree of tolerance for each other. In captivity, breeding interactions are characterized by an increase in pre-copulatory contact behaviours

(like sniffing of the ano-genital area, social grooming, head and body rubbing; low-intensity vocalizations of "prusten," particularly by the female; standing and moving in close proximity; and playful stalks and pounces (Freeman 1983). Copulation occurs over a 3-6-day period. During mounting the male usually grips the fur on the female's neck. The most common copulatory posture is a ventral/ dorsal position; however ventral/ventral copulatory position has also been reported (Freeman 1983). Successfully mated individuals of both sexes were found to be more active and spent more time interacting with each other, grooming themselves, and showing "flehmen" in response to sniffing while unsuccessful males appeared to be more restless and spent more time pacing (Freeman 1983).

Distribution

The species is widely distributed across central- Asia with a range extending through twelve countries; namely Afghanistan, Bhutan, China, India, Kazakhstan, Kyrgyzstan, Mongolia, Nepal, Pakistan, Russia, Tajikistan, and Uzbekistan. The core areas include mountainous regions in Altai, Tian Shan, Kun-Lun, Pamir, Hindu Kush, Karakorum and Himalayas (Mallon 1985; Fox 1994; Schaller, 1998; McCarthy 2000; McCarthy *et al.* 2003). The estimated potential range of the species is approximately 3 million km, with a large part of it in Mongolia and the



Tibetan plateau of China (Hunter and Jackson 1997). However, they are found in only 1.83 million km, with only approximately 550,000 km to be good habitat (Hunter and Jackson 1997, McCarthy and Chapron 2003). Williams (2006) used historical data to improve mapping of the potential range, but a significant lack of information about current snow leopard status across much of its known and potential distribution still exists.

Status in the Wild

Fox (1989) estimated the world population at 3,350-4,050 animals. These figures were updated to between 4,510 and 7,350 snow leopards within a total potential habitat area of 1,835,000 km² (Fox 1994). Nowell and Jackson (1996) estimated the total effective population size of snow leopard as 2,500 mature breeding individuals with a declining trend.

Threats and Conservations Status

Illicit hunting for fur, bones, and other body parts are identified as major threats in central Asia. Livestock depredation by the species with associated retaliatory killing and habitat loss due to the high density of livestock all threaten the long-term viability of Snow leopard in various parts of its range (Wang 1998; McCarthy and Chapron 2003; Hussain 2003; Din and Nawaz 2011). A revision of estimation methodologies has led to a decline in the threat perception of the species from the earlier Endangered in the IUCN Red List of Threatened Species to Vulnerable (McCarthy *et al.* 2017). Snow leopards have been included in Appendix I of the Convention on International Trade in Endangered Species of Fauna and Flora (CITES) since 1975, and hence all international commercial trade in the species, its parts and derivatives is prohibited. With the exception of Kyrgyzstan and Tajikistan, all snow leopard range states are a Party to CITES, however, implementation and enforcement of the Convention's provision varies in the different countries (McCarthy and Chapron 2003). Snow leopards are protected nationally over most of its range, with the probable exception of Afghanistan (McCarthy and Chapron 2003). The snow leopard is protected in India under the National Wildlife (Protection) Act of 1972 as well as under the Jammu and Kashmir Wildlife (Protection) Act of 1978, and is listed in Schedule I of both acts.

Status in Captivity

The species is held at 168 institutions globally with a total of 401 (192.206.3) specimens, while 2 institutions house 12 (4.8.0) specimens in India according to the ZIMS Platform on the Species360 website. The CZA inventory (Table 3) indicates the presence of 14 (3.9.2) specimens, at 2 Indian zoos while the data that was made available by holding zoos for the compilation of the studbook includes 13 (4.9.0) specimens at 2 locations.

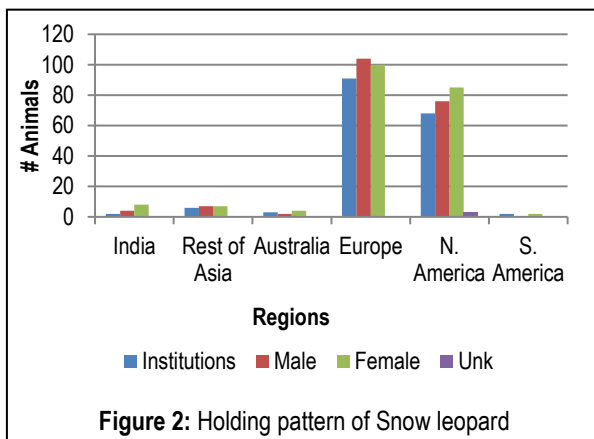


Figure 2: Holding pattern of Snow leopard

Table 3: Status of Snow leopard in zoos

Zoo Name	Species360				CZA Inventory				Studbook			
	Male	Female	Unsexed	Total	Male	Female	Unsexed	Total	Male	Female	Unsexed	Total
Himalayan Zoological Park, Bulbuley	0	0	0	0	0	1	0	1	0	1	0	1
Padmaja Naidu Himalayan Zoological Park	3	8	0	11	3	8	2	13	4	8	0	12
Himalayan Nature Park, Kufri	1	0	0	1	0	0	0	0	0	0	0	0
Total	4	8	0	12	3	9	2	14	4	9	0	13

Methods

Data on individual history was collected by means of questionnaires, zoo visits and from the websites of CZA and Species360. Questionnaires were sent to the institutions housing Snow leopard in India, requesting information for each captive specimen. Data was entered in the Single Population Analysis and Records Keeping System (SPARKS v 1.66) (ISIS 2004) and subsequently exported to population management programme PMx v 1.2 (Ballou *et al.*, 2011) for further analysis.

Scope of the Studbook

- The studbook includes all specimens present in Indian zoos for which records were available from holding institutions. The studbook also records an additional 154 (72.82.0) specimens that were housed in zoos outside India; of these 14 (7.7.0) specimens were transferred to Indian zoos and form the founders for the Indian population.
- The specimens housed in foreign zoos were excluded from the demographic analysis. They were; however, included in the genetic analysis. This was done to arrive at a more accurate genetic and demographic status of the Indian population (while performing genetic analysis specimens whose lineage cannot be traced back to wild origin founders are treated as specimens of unknown lineage; while for demographic analysis dates of life history events for individual specimens are used for analysis)
- The CZA inventory was used as a benchmark for population estimates and deviations from the same (Table 1) are based on data made available by holding zoos that was used to update the SPARKS database.
- The ZIMS Platform records the presence of 1 (1.0.0) specimen at Himalayan Zoological Park, Kufri; the same was not present in the data made available by the zoo and is also absent in the CZA Inventory (2017 – 2018)

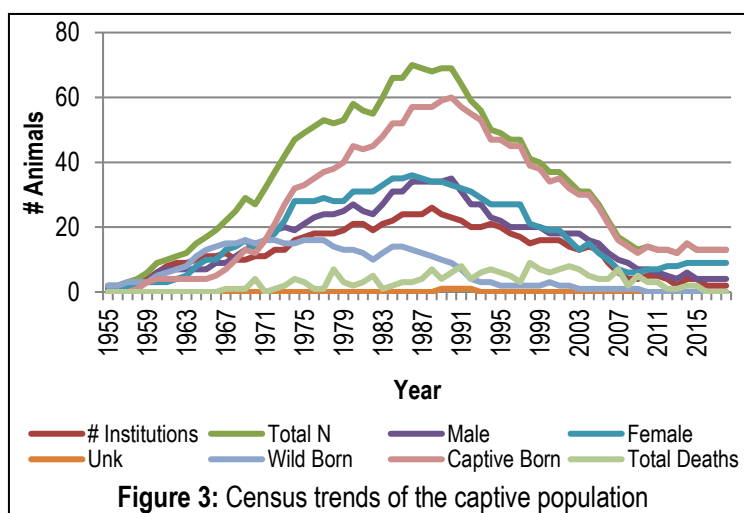
The mnemonics present in the SPARKS software were used as names for individual institutions; while for those institutions for which mnemonics were not present in the SPARKS Software, the same were assigned based on their location listed on the CZA Website and the same are listed in the location glossary (Annexure IV). The mnemonic India was used for all specimens acquired from the wild.

Analysis

Demographic Status

Historical Population

The studbook includes a total of 231 (102.118.11) specimens, of these 77 (30.36.11) have been housed at 4 Indian zoos. The first recorded entry of the species in captivity at an Indian Institution was at Padmaja Naidu Himalayan Zoological Park, Darjeeling in 1986 with a pair of captive origin specimens acquired from Zoologische Station Eichberg and Zoo Zurich. The population in Indian zoos includes a total of 14 (7.7.0) specimens acquired



from foreign zoos. The current captive population includes 43 (18.25.0) wild origin specimens, of which 2 (0.2.0) were acquired by Indian zoos. The Indian population includes 16 (7.9.0) reproductively animals and has witnessed 64 (26.27.11) deaths since its inception. The Indian population owes its growth to captive births that account for 83% of the historical population

recorded. Figure 3 and Table 4 summarize the trends of the historical population while Annexure I includes detailed event-wise information on individual specimens.

Table 4: Summary of the Historical Population

	Males	Females	Unknown	Total
Studbook size	102	118	11	231
Acquired from foreign zoos	7	7	0	14
Housed in Indian Zoos	30	36	11	77
Acquired from wild	18	25	0	43
Acquired from wild in India	0	2	0	2
Captive births	84	93	11	188
Born in Indian zoos	30	34	11	75
Deaths	98	109	11	218
Deaths in India	26	27	11	64
Breeding individuals	79	89	0	168
Breeding individuals in India	7	9	0	16

Living Population

The living population includes 13 (4.9.0) specimens housed at two institutions; with no wild origin specimens. Only 3 (1.2.0) animals are proven breeders in the living population. Table 5 summarizes the

Table 5: Summary of living population

	Males	Females	Unknown	Total
Living	4	9	0	13
Wild-born	0	0	0	0
Captive-born	4	9	0	13
Breeding	1	2	0	3

status of the living population while Annexure II provides location-wise specimen details of the living individuals. A perusal of Table 3 and Annexure II reveals the presence of 92% of the population at Padmaja Naidu Himalayan Zoo, Darjeeling.

Population Vital Rates

The population is currently stable at its current size with males increasing and females decreasing at marginal rates (Table 6). The captive population has a generation time of 7.5 years. The current population trend is also

Table 6: Vital rates of the captive population

	Males	Females	Total
λ : Population growth rate	1.013	0.999	1.006
T: Generation time	8.0	7.1	7.5
N 20: Projected population after 20 years	5.4	5.4	10.8

reflected in the projected population after 20 years with a decline of 2 individuals in the population. The accuracy of the life table analysis carried out to arrive at the conclusions, is limited by the small size of the population.

Age Distribution

Age distribution of 13 (4.9) known age living specimens indicates a female bias. The living population includes 5 (2.3) animals of in reproductively active age classes (Figure 4). It also shows the presence of 6 (2.4) specimens in the post-reproductive age class. The age distribution of the living population is characterized by an absence of specimens across most age classes due to its small size. The absence of specimens in the pre-reproductive age class is due to absence of recruitment by way births. The limited number of proven breeders 3 (1.2) and the small size of the population may be additional factors limiting recruitment in the population.

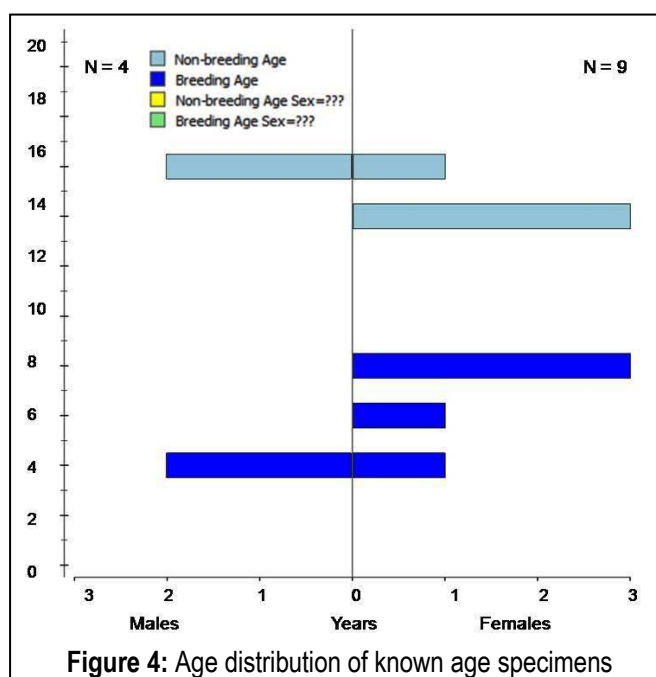


Figure 4: Age distribution of known age specimens

Genetic Status

Table 7 summarizes the genetic status of the living population. Analysis indicates that it originates from 40 (18.22) founders housed at zoos outside India. The living population of 13 specimens retains 86.54% of the genetic diversity brought in by these 40 founders. Limitations to effective record keeping due to inadequate marking of individual specimens are reflected in only 85% of the specimens having known pedigrees. The unequal representation of the 40 founders in the living population has resulted in the population having the founder genome equivalents of only 3.72 wild origin specimens. The population is characterized by breeding between related individuals with a high degree of relatedness between individuals as is reflected by the value of population mean kinship (0.135). The continued small population size held at Indian zoos limits mating choices leading to pairing between closely related individuals.

Table 7: Genetic Summary of the current population

Genetic parameters	Current
Founders	40
Living Animals	13
Percent Ancestry Known	85%
Gene Diversity (GD)	0.8654
Founder Genome Equivalent (FGE)	3.72
Mean Inbreeding (F)	0.0168
Population mean kinship (Mk)	0.135
Ne/N	0.2424

Pairing Recommendations

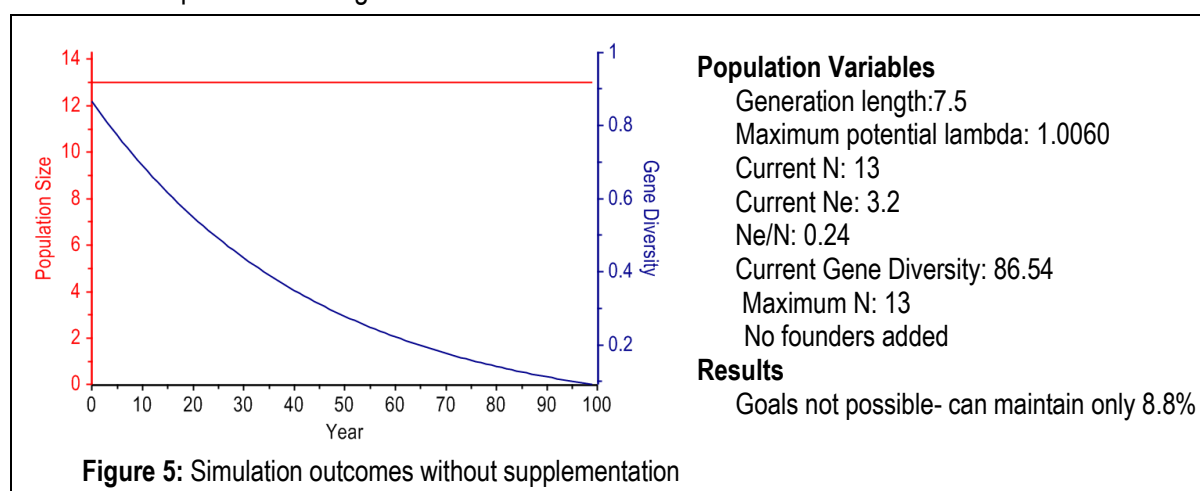
The pairing recommendations for the species in captivity could not be developed as the population includes only 4 possible sires; 2 of these (00034 and 00035) are reproductively senescent while the pedigrees of the remaining 2 (00230 and 00231) are unknown.

Targets for Population Management

The current captive population of Snow leopard includes 13 (4.9.0). The population is currently increasing with a λ of 1.006 per annum. The population retains 86.54% of genetic diversity introduced from 40 founders. Limited mating choices in the Indian population has resulted in pairing between closely related individuals ($mK = 0.135$). Achieving conservation goals for the population is thus of critical importance. Multiple simulations were run using PMx to determine the fate of the current population for assessing the effect of management interventions that result in an increased population growth rate desired for achieving demographic stability and supplementation with effective founders for ensuring genetic viability; over the next 100 years. The outcomes of the scenarios that were run without change and with changes (supplementation with effective founders and increasing the population growth rate) that ensure a genetically viable and demographically stable population over the next 100 years are presented below.

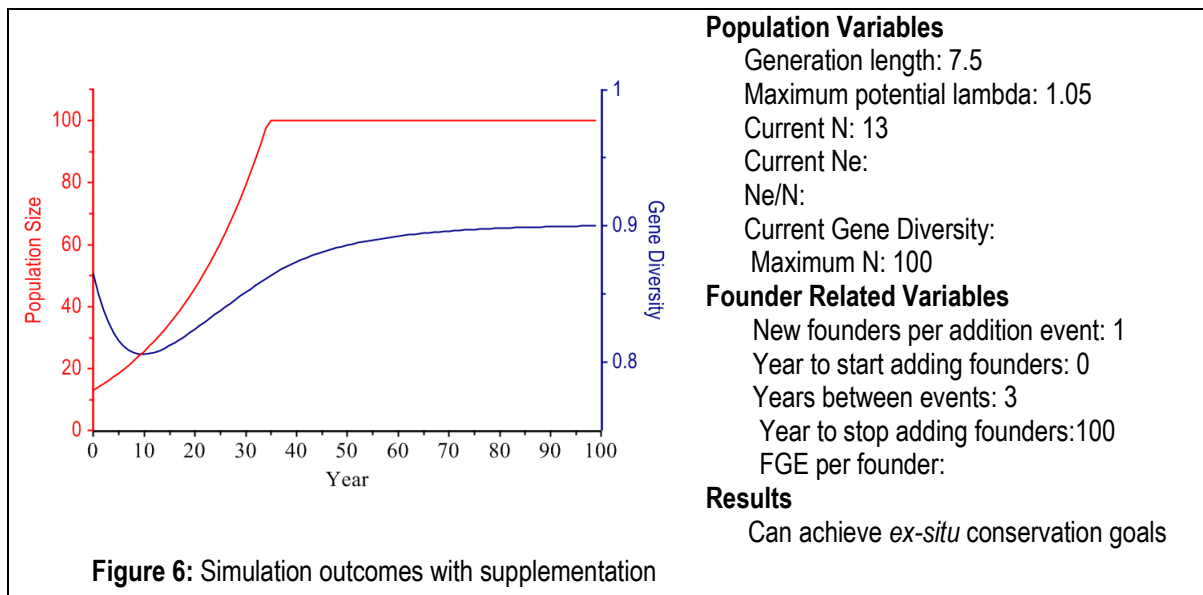
Scenario I:

The simulation was run using the current population variables without supplementation with additional animals while retaining the current population size (13). The outcomes suggest that the population in captivity is likely to persist at its current level. It would; however, retain less than 50% of its current genetic diversity by the 25th year, with further, continued loss of genetic diversity as time progresses. The continued reduction of genetic diversity would render the population susceptible to stochastic events leaving it prone to extinction in captivity. The population variables used and the outcomes of the simulation are presented in Figure 5.



Scenario II:

The outcomes of the simulation that was run using a maximum potential lambda of 1.05 and a maximum population size of 100 specimens with supplementation by 1 effective founder every five years provided a population that was able to achieve the goals of maintaining 90% of the genetic diversity and a demographically stable population. The population and founder related variables, and the simulation outcome are presented as Figure 6. The increase in population growth rate can be achieved by ensuring that all reproductively active specimens get an opportunity to contribute to the growth of the population. The inclusion of additional effective founders should target lineages that are over-represented to ensure maximum genetic diversity in the captive population.



Conclusions and Recommendations

Snow leopards continue to face threats to their long term survival in their natural habitats across their distribution range and are accordingly listed in the Schedule I of the Wildlife Protection Act of India. The threats faced by the species remain operational and the populations across their range are showing a declining trend. Maintenance of demographically stable and genetically viable *ex-situ* populations is thus crucial for ensuring the continued survival of the species.

A review of the status of the current captive population in Indian zoos based on analysis of available pedigree records indicates presence of 13 (4.9.0) specimens. The population remains biased towards females with a limited number of proven breeders. It further retains 86.54% of genetic diversity originating from 40 founders. Further unequal representation of founder genome as indicated by the founder genome equivalents (3.72) and close relationship between living individuals ($MK = 0.135$) are causes of concern that need to be addressed. Analyses of the population also revealed the absence of sires that can be used for pairing with females (2 sires are reproductively senescent; pedigrees of the remaining 2 are unknown).

Simulations run using PMx software indicate that supplementation with 1 effective founder every 3 years and increasing the population growth rate to 1.05 and population size to 100 specimens in Indian institutions can ensure that the population remains viable over the next 100 years. The captive population of Snow leopard therefore requires intensive management efforts towards ensuring achievement of *ex-situ* conservation goals to address the following concerns:

- The continued small size of the living population [$N = 13$ (4.9.0)], limits the growth of the population.
- It also limits mating choices resulting in individuals in the population being closely related to each other (population mean kinship = 0.1346).

Management interventions aimed at increasing the population size by establishing a breeding population using unrelated individuals from both wild captures and captive born specimens from foreign institutions are needed to ensure the presence of adequate number of individuals for ensuring the survival of the population over an extended period of time. This would ensure that the population achieves its desired conservation goals.

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Annexure I

Historical population of Snow leopard (*Panthera uncia*)

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
00001 780123 790025 790687 790025 VISHNA	M	23-Jun-78	00099	00102	HELSINKI ZURICH BASEL ZURICH EICHBERG DARJEELIN	23-Jun-78 01-Jun-79 21-Sep-79 30-Jan-80 19-Jul-85 19-Mar-86 17-Jul-93	Birth Transfer Transfer Transfer Transfer Transfer Death
00002 801404 121 PERSIA	F	23-Apr-80	00073	00081	SAN ANTON TOLEDO DARJEELIN	23-Apr-80 24-Oct-80 17-Jan-89 24-Aug-91	Birth Transfer Transfer Death
00003 840052 KASHI	F	26-Aug-84	00095	00100	ZURICH DARJEELIN	26-Aug-84 19-Mar-86 07-Sep-90	Birth Transfer Death
00004 2293 HANK	M	06-Jun-85	00096	00106	LITTLEROC DARJEELIN	06-Jun-85 16-Jan-89 28-Aug-98	Birth Transfer Death
00005 900074 QUETTA	F	23-May-90	00164	00166	ZURICH DARJEELIN	23-May-90 28-Jan-92 05-Sep-98	Birth Transfer Death
00006 900075 QUILLA	F	23-May-90	00164	00166	ZURICH DARJEELIN	23-May-90 28-Jan-92 17-Sep-03	Birth Transfer Death
00007 QUIZIL	M	23-May-90	00164	00166	ZURICH DARJEELIN	23-May-90 28-Jan-92 23-Nov-00	Birth Transfer Death
00008 UNKCUB	F	01-Sep-91	UNK	UNK	DARJEELIN	01-Sep-91 30-Sep-91	Birth Death
00009 DARJ8 RAMBA	F	15-Oct-93	00004	00005	DARJEELIN	15-Oct-93 21-May-06	Birth Death
00010 DARJ12	F	02-May-94	00004	00006	DARJEELIN	02-May-94 04-May-94	Birth Death
00011 DARJ11	M	02-May-94	00004	00006	DARJEELIN	02-May-94 03-May-94	Birth Death
00012 UNCUB2 BINA	F	18-May-95	00004	00006	DARJEELIN	18-May-95 07-Nov-95	Birth Death
00013 DARJ16 BISWA	M	23-Oct-95	00004	00005	DARJEELIN	23-Oct-95 12-Apr-96	Birth Death
00014 950196 TYSON 000611163B	M	08-Aug-95	00192	00176	HUNBSTRND DARJEELIN	08-Aug-95 28-Jan-00 14-Sep-13	Birth Transfer Death
00015 DARJ17 URVASI	F	23-Oct-95	00004	00005	DARJEELIN GANGTOK	23-Oct-95 11-Mar-05 29-Mar-07	Birth Transfer Death

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
00016 DARJ15 Karan	M	23-Oct-95	00004	00005	DARJEELIN	23-Oct-95 29-May-15	Birth Death
00017 DARJ19 KUSH	M	31-Oct-96	00007	00009	DARJEELIN GANGTOK DARJEELIN	31-Oct-96 10-Mar-05 03-Apr-07 05-Apr-09	Birth Transfer Transfer Death
00018 DARJ18 LUV	M	31-Oct-96	00007	00009	DARJEELIN	31-Oct-96 17-Oct-03	Birth Death
00019 DARJ21 MENUKA	F	15-Dec-97	00004	00005	DARJEELIN	15-Dec-97 25-May-98	Birth Death
00020 DARJ20 MEGHNA	F	15-Dec-97	00004	00005	DARJEELIN	15-Dec-97 27-Aug-98	Birth Death
00021 DARJ22 KANGHA	M	15-Dec-97	00004	00006	DARJEELIN	15-Dec-97 16-Dec-97	Birth Death
00022 DARJ24 KARISH	M	22-Mar-98	00004	00006	DARJEELIN	22-Mar-98 24-Feb-11	Birth Death
00023 DARJ23 RAVI	M	22-Mar-98	00004	00006	DARJEELIN	22-Mar-98 23-Mar-98	Birth Death
00024 UNCUB4	M	31-Mar-99	UNK	00015	DARJEELIN	31-Mar-99 31-Mar-99	Birth Death
00025 DARJ26 RAJA	M	29-Jun-99	00016	00009	DARJEELIN	29-Jun-99 10-May-01	Birth Death
00026 DARJ31 RANI 0006B72F94	F	08-Apr-00	00007	00015	DARJEELIN NAINITAL	08-Apr-00 29-Dec-04 21-Apr-10	Birth Transfer Death
00027 DARJ32 MEETA	F	~ 1993	WILD	WILD	INDIA DARJEELIN	17-May-00 17-May-00 24-Jun-00	Capture Transfer Death
00028 DARJ33 NEETA	F	~ 1997	WILD	WILD	INDIA DARJEELIN	17-May-00 17-May-00 11-Nov-10	Capture Transfer Death
00029 DARJ34 SAPNA	F	19-Jul-00	00014	00006	DARJEELIN SHIMLA	19-Jul-00 23-Dec-04 26-Jul-07	Birth Transfer Death
00030 DARJ37 BIJAY	M	18-Mar-01	00014	00009	DARJEELIN	18-Mar-01 27-May-01	Birth Death
00031 DARJ36 DOLMA	F	18-Mar-01	00014	00009	DARJEELIN	18-Mar-01 31-Jul-01	Birth Death
00032 DARJ35 JAY	M	18-Mar-01	00014	00009	DARJEELIN	18-Mar-01 25-Sep-01	Birth Death
00033	M	08-May-01	00016	00028	DARJEELIN	08-May-01	Birth

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
LAMA						06-Jun-01	Death
00034 DARJ45 PRABHAT	M	08-Jul-02	00014	00015	DARJEELIN	08-Jul-02	Birth
00035 DARJ44 SUBASH	M	08-Jul-02	00014	00015	DARJEELIN SHIMLA DARJEELIN	08-Jul-02 23-Dec-04 30-Mar-13	Birth Transfer Transfer
00036 DARJ43 TILOTOMA	F	19-Jun-02	00014	00009	DARJEELIN	19-Jun-02 07-Nov-02	Birth Death
00037 DARJ47 RITU	F	11-Mar-04	00016	00028	DARJEELIN	11-Mar-04	Birth
00038 DARJ41 BUDDHA	M	19-Jun-02	00014	00009	DARJEELIN	19-Jun-02 26-May-15	Birth Death
00039 DARJ42 DEV 000617D41B	M	19-Jun-02	00014	00009	DARJEELIN NAINITAL	19-Jun-02 29-Dec-04 12-Mar-09	Birth Transfer Death
00040 DARJ39 TEESTA	F	29-Mar-02	00016	00028	DARJEELIN	29-Mar-02	Birth
00041 DARJ40 TOSTA	F	29-Mar-02	00016	00028	DARJEELIN	29-Mar-02 30-Sep-02	Birth Death
00042 DARJ46 SHIBU	M	26-May-03	00014	00015	DARJEELIN	26-May-03 24-May-04	Birth Death
00043 RABI	M	25-May-04	00014	00009	DARJEELIN GANGTOK	25-May-04 03-Apr-07 08-Dec-12	Birth Transfer Death
00044 DARJ49 YASHMIN 000611163B	F	25-May-04	00014	00009	DARJEELIN	25-May-04	Birth
00045 DARJ50 MALLIKA 0000F8A18	F	25-May-04	00014	00009	DARJEELIN GANGTOK	25-May-04 29-Jun-10	Birth Transfer
00046 DARJ52 AKRITI	M	01-May-07	00016	00028	DARJEELIN	01-May-07 08-Sep-07	Birth Death
00047 DARJ53	F	01-May-07	00016	00028	DARJEELIN	01-May-07 07-Jun-07	Birth Death
00048 DARJ52 PRAKRIT	M	01-May-07	00016	00028	DARJEELIN	01-May-07 06-Sep-07	Birth Death
00049 UNCUB5	F	18-Apr-09	00016	00028	DARJEELIN	18-Apr-09 07-Sep-09	Birth Death
00050 UNCUB6	F	18-Apr-09	00016	00028	DARJEELIN	18-Apr-09 29-Aug-09	Birth Death
00051	F	18-Apr-09	00016	00028	DARJEELIN	18-Apr-09	Birth

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
UNCUB7						02-Aug-09	Death
00052 HASSAN	M	????	WILD	WILD	WILD COPENHAGE	???? 28-May-55 18-Dec-67	Capture Transfer Death
00053 86 MUDDI	F	????	WILD	WILD	WILD COPENHAGE	???? 04-Jan-55 17-Sep-68	Capture Transfer Death
00054 228 NASTYA	F	????	WILD	WILD	USSR ST PAUL	???? 01-Jan-57 31-Dec-70	Capture Transfer Death
00055 22697 400 22697 400 WALTER	M	22-May-58	00052	00053	COPENHAGE CHICAGOBR CHICAGOLP CHICAGOBR CHICAGOLP	22-May-58 27-Sep-59 11-Dec-63 11-Jan-74 12-Sep-74 03-May-78	Birth Transfer Transfer Transfer Transfer Death
00056 1602	M	????	WILD	WILD	WILD SAN FRAN	???? 21-Apr-60 21-Oct-75	Capture Transfer Death
00057 5807 IWAN	M	????	WILD	WILD	WILD ARNHEM KREFELD ARNHEM KREFELD ARNHEM	???? ~ 1960 01-Jan-66 01-May-66 01-Jan-68 01-May-70 31-Dec-70	Capture Transfer Transfer Transfer Transfer Death
00058 COP6 102456	M	19-May-59	00052	00053	COPENHAGE ST LOUIS	19-May-59 14-Oct-59 12-Sep-69	Birth Transfer Death
00059 COP7 102457	F	19-May-59	00052	00053	COPENHAGE ST LOUIS	19-May-59 14-Oct-59 24-Oct-70	Birth Transfer Death
00060 M9575	M	????	WILD	WILD	WILD CINCINNAT	???? 21-Apr-61 05-Apr-80	Capture Transfer Death
00061 610357 BOWSER	M	29-May-60	00052	00053	COPENHAGE NY BRONX	29-May-60 13-Jun-61 26-Nov-73	Birth Transfer Death
00062 21001 670884 21001 670884 21001 670884 21001 670884 21001 670884 290419 TANYA	F	~ 1961	WILD	WILD	WILD OKLAHOMA NY BRONX OKLAHOMA NY BRONX OKLAHOMA NY BRONX OKLAHOMA NY BRONX OKLAHOMA NY BRONX OKLAHOMA	???? 23-Feb-65 01-Feb-67 01-May-67 12-Feb-68 30-Apr-68 06-Feb-69 12-May-69 18-Jan-70 29-Apr-70 11-Jan-77	Capture Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Death
00063 10087 M9576 TANYA	F	????	WILD	WILD	WILD PHILADELP CINCINNAT	???? 23-Mar-63 28-Mar-63 01-May-78	Capture Transfer Transfer Death

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
00064 H68 NUSCHKA	F	~ 1962	WILD	WILD	WILD KREFELD	~ 1962 12-Jul-62 24-Oct-75	Capture Transfer Death
00065 IDAll 401	F	????	WILD	WILD	WILD CHICAGOLP	???? 30-Sep-64 27-May-73	Capture Transfer Death
00066 640004 VILMA	F	????	WILD	WILD	USSR HELSINKI	???? 15-Jul-64 06-Aug-79	Capture Transfer Death
00067 164001 CATERINA	F	????	WILD	WILD	USSR MOSCOW SAN FRAN	???? ???? 12-Oct-64 11-Sep-72	Capture Transfer Transfer Death
00068 660006 VILLE	M	????	WILD	WILD	USSR HELSINKI	???? 13-Jun-66 20-Nov-79	Capture Transfer Death
00069 651999 MS BRONX	F	~ 1965	WILD	WILD	WILD NY BRONX	???? 02-Nov-65 05-Sep-70	Capture Transfer Death
00070 670356 MITZI	F	????	WILD	WILD	WILD NY BRONX	???? 08-May-67 29-Jun-74	Capture Transfer Death
00071 3156 2265 SNOWFLAKE	F	????	WILD	WILD	WILD LOSANGELE DENVER	???? 09-Feb-67 17-Feb-77 11-Dec-78	Capture Transfer Transfer Death
00072 660358 SHERPA	M	01-Jun-66	00061	00069	NY BRONX	01-Jun-66 18-Aug-76	Birth Death
00073 700701 FROSTY	M	~ 1967	WILD	WILD	WILD SAN ANTON	~ 1970 07-Jul-70 11-Oct-82	Capture Transfer Death
00074 4222	M	????	WILD	WILD	WILD LOSANGELE	???? 21-Feb-68 28-May-74	Capture Transfer Death
00075 102460 21203 CHUMBI	M	06-May-67	00058	00059	ST LOUIS OKLAHOMA	06-May-67 16-Feb-68 06-Feb-78	Birth Transfer Death
00076 21102 CLEO	F	27-Jul-67	00061	00062	OKLAHOMA	27-Jul-67 05-Jan-78	Birth Death
00077 1016 715 BORIS	M	~ 1968	WILD	WILD	WILD CHICAGOLP SOUTHBEND	???? 19-Apr-69 11-Mar-81 14-Apr-81	Capture Transfer Transfer Death
00078 H72 ILKKA	M	26-May-68	00057	00064	KREFELD	26-May-68 19-Jan-78	Birth Death
00079 680001 VIKKY	F	10-Aug-68	00068	00066	HELSINKI	10-Aug-68 14-Dec-82	Birth Death
00080	F	10-Aug-68	00068	00066	HELSINKI	10-Aug-68	Birth

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
680017 770017 VIKKU					MARWELL	12-May-77 03-Sep-79	Transfer Death
00081 710501 CRYSTAL	F	~ 1969	WILD	WILD	WILD SAN ANTON	???? 27-May-71 14-May-87	Capture Transfer Death
00082 1534 BRUCES	M	????	WILD	WILD	WILD CHICAGOLP	???? 25-Nov-70 20-Jul-74	Capture Transfer Death
00083 M9577 18301 741147 MR. CIN	M	06-May-69	00060	00063	CINCINNAT SANDIEGOZ NY BRONX	06-May-69 09-Sep-70 08-Feb-74 23-Jan-82	Birth Transfer Transfer Death
00084 169001 SFCZ7 SFCZ7 513411 OLD MAN	M	19-May-69	00056	00067	SAN FRAN HOGLE PHOENXTG OKLAHOMA	19-May-69 16-Jun-70 01-Jan-73 16-Oct-75 17-Jun-85	Birth Transfer Transfer Transfer Death
00085 1060 MARYLIN	F	11-Jun-69	00055	00065	CHICAGOLP	11-Jun-69 21-Dec-81	Birth Death
00086 1058 BIG HEAD	F	11-Jun-69	00055	00065	CHICAGOLP	11-Jun-69 04-May-78	Birth Death
00087 ANDRA 740010	F	~ 1971	WILD	WILD	USSR ZURICH	???? 02-Nov-74 28-Jul-88	Capture Transfer Death
00088 115001 181F	F	~ 1971	WILD	WILD	USSR DVURKRALV MUNICH	~ 1972 19-Apr-72 06-Sep-79 26-Oct-88	Capture Transfer Transfer Death
00089 VENLA	F	29-Apr-71	00068	00066	HELSINKI	29-Apr-71 05-Jan-86	Birth Death
00090 710145 2417 SNOWMAN	M	29-Apr-71	00068	00066	HELSINKI CHICAGOLP	29-Apr-71 06-Feb-73 13-May-74	Birth Transfer Death
00091 17126 7835 17126 DAVIES	M	30-Apr-71	00056	00067	SAN FRAN LOSANGELE SAN FRAN NEWPORNEW	30-Apr-71 30-Oct-74 29-Aug-85 24-Apr-86 01-Dec-90	Birth Transfer Transfer Transfer Death
00092 6311 359 6311 NATASHA	F	13-May-71	00074	00071	LOSANGELE DENVER LOSANGELE	13-May-71 27-Sep-72 09-Feb-77 31-May-85	Birth Transfer Transfer Death
00093 9F ARSTAN	M	~ 1972	WILD	WILD	WILD FRUNZE ST PETERS	01-Dec-75 11-Dec-75 30-Jan-76	Capture Transfer Ltf
00094	F	~ 1972	WILD	WILD	WILD	01-Dec-75	Capture

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
10F TORA					FRUNZE ST PETERS	11-Dec-75 30-Jun-76 06-Jun-84	Transfer Transfer Death
00095 720143 750009 WALO	M	02-May-72	00068	00079	HELSINKI ZURICH	02-May-72 22-Jan-75 11-Feb-91	Birth Transfer Death
00096 CINC4 2931 1975 CIN KID	M	12-May-72	00060	00063	CINCINNAT CHICAGOLP LITTLEROC	12-May-72 29-May-74 11-Apr-84 27-Jan-87	Birth Transfer Transfer Death
00097 720359 TIPPY	F	21-May-72	00072	00070	NY BRONX	21-May-72 24-Jul-75	Birth Death
00098 204604	F	27-May-72	00075	00076	OKLAHOMA	27-May-72 03-Jul-85	Birth Death
00099 CHARLIE	M	10-Jun-72	00055	00065	CHICAGOLP HELSINKI	10-Jun-72 20-Dec-72 18-May-88	Birth Transfer Death
00100 740009 ARGA	F	~ 1973	WILD	WILD	WILD ZURICH	???? 13-Apr-74 16-Oct-90	Capture Transfer Death
00101 ALPHA	F	????	WILD	WILD	WILD NOVOSIBRK	???? 01-Mar-74 30-Oct-82	Capture Transfer Death
00102 730118 236 VUOKKO	F	14-May-73	00068	00066	HELSINKI MARWELL CENTERHIL	14-May-73 21-Nov-80 08-Nov-82 26-Aug-91	Birth Transfer Transfer Death
00103 730117 HK113 P82010 VALPURI	F	14-May-73	00068	00066	HELSINKI NETTUNO LYMPNE	14-May-73 13-Nov-79 28-Jan-82 14-Jun-89	Birth Transfer Transfer Death
00104 730119 14 VIVI	F	14-May-73	00068	00066	HELSINKI KREFELD	14-May-73 11-Feb-76 24-Aug-88	Birth Transfer Death
00105 2548 M9580 742500 M9580 820907 ANASTASIA	F	20-May-73	00082	00086	CHICAGOLP CINCINNAT COLUMBUS CINCINNAT CLEVELAND	20-May-73 29-May-74 03-Dec-74 11-Nov-77 07-Sep-82 22-Jan-89	Birth Transfer Transfer Transfer Transfer Death
00106 2562 1976 NATASHA	F	28-May-73	00082	00085	CHICAGOLP LITTLEROC	28-May-73 11-Apr-84 02-Sep-88	Birth Transfer Death
00107 174008 M9579	M	27-Jun-73	00060	00063	CINCINNAT SANDIEGOZ CINCINNAT	27-Jun-73 17-Jan-74 10-Nov-79	Birth Transfer Transfer

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
820918 M9579 MARCO					CLEVELAND CINCINNAT	07-Sep-82 11-Jun-85 03-Oct-92	Transfer Transfer Death
00108 M9578 174009 770017 KARA	M	27-Jun-73	00060	00063	CINCINNAT SAN DIEGOZ HELSINKI	27-Jun-73 17-Jan-74 11-Nov-77 05-May-93	Birth Transfer Transfer Death
00109 890001 ILI	F	~ 1974	WILD	WILD	KYRGYZSTA MOSCOW	???? 12-Aug-77 07-Oct-89	Capture Transfer Death
00110 ARGUS	M	????	WILD	WILD	WILD NOVOSIBRK	15-Nov-75 15-Dec-75 15-Dec-82	Capture Transfer Death
00111 740098 H74 VALMA	F	20-Apr-74	00068	00079	HELSINKI KREFELD	20-Apr-74 15-Apr-75 21-Jun-80	Birth Transfer Death
00112 740007 750951 ILKA	F	10-May-74	00068	00080	HELSINKI SAN ANTON	10-May-74 24-Sep-75 05-Aug-83	Birth Transfer Death
00113 740101 51001 IRUN	M	10-May-74	00068	00080	HELSINKI MUNICH	10-May-74 06-Mar-75 05-May-92	Birth Transfer Death
00114 377209 ELEKTRA	F	23-May-74	00075	00076	OKLAHOMA	23-May-74 27-Jun-87	Birth Death
00115 P75003 KUSH	F	29-May-74	00090	00085	CHICAGOLP LYMPNE	29-May-74 02-May-75 21-Jan-84	Birth Transfer Death
00116 2929 P75002 PAMIR	M	29-May-74	00090	00085	CHICAGOLP LYMPNE	29-May-74 02-May-75 03-Mar-81	Birth Transfer Death
00117 890012 C84004 KIRGIZ	M	~ 1975	WILD	WILD	KYRGYZSTA MOSCOW NOVOSIBRK HARBIN	01-Dec-83 19-Jan-84 29-Nov-84 26-Apr-92	Capture Transfer Transfer Ltf
00118 751687 SHANDA	F	20-Jun-75	00083	00097	NY BRONX	20-Jun-75 18-Oct-90	Birth Death
00119 4313 751822 183077 751822 P.KHAN	M	22-Jun-75	00077	00086	CHICAGOLP NY BRONX SAN FRAN NY BRONX	22-Jun-75 30-Oct-75 17-Nov-83 27-Mar-86 03-Nov-88	Birth Transfer Transfer Transfer Death
00120 890005 SABIR	M	~ 1976	WILD	WILD	KYRGYZSTA MOSCOW	~ 1976 19-Nov-76 11-Mar-88	Capture Transfer Death
00121	M	24-Apr-76	00099	00089	HELSINKI	24-Apr-76	Birth

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
760097 16 WHISKY					KREFELD	11-Jul-78 18-Jul-90	Transfer Death
00122 760518 KARL	M	12-May-76	00073	00081	SAN ANTON	12-May-76 12-Apr-91	Birth Death
00123 599012 P82013 ROMULUS	M	09-Sep-76	00084	00098	OKLAHOMA NETTUNO LYMPNE	09-Sep-76 24-Jul-78 28-Jan-82 21-Apr-95	Birth Transfer Transfer Death
00124 800028 ULAN	M	~ 1977	WILD	WILD	MONGOLIA HELSINKI	???? 13-Dec-80 01-Sep-95	Capture Transfer Death
00125 6F IRINA	F	29-Apr-77	00078	00111	KREFELD	29-Apr-77 22-Aug-86	Birth Death
00126 P77005 KANCHEN	M	01-Jul-77	00116	00115	LYMPNE	01-Jul-77 18-Apr-90	Birth Death
00127 890006 RAMIT	M	~ 1978	WILD	WILD	USSR DUSHANBE MOSCOW	???? 01-Nov-82 16-Nov-82 24-Jun-91	Capture Transfer Transfer Death
00128 890007 9315 9315 KUNGEI	M	????	WILD	WILD	KAZAKHSTA TALLIN MOSCOW TALLIN KALININGR TALLIN	03-Mar-79 08-May-79 17-Nov-82 10-Jun-84 02-Feb-89 15-Dec-90 26-Feb-91	Capture Transfer Transfer Transfer Transfer Transfer Death
00129 780009 VERONIKA	F	22-May-78	00099	00103	HELSINKI	22-May-78 11-Mar-94	Birth Death
00130 780120 820693 VIKTOR	M	22-May-78	00099	00103	HELSINKI BASEL	22-May-78 03-Nov-82 10-Nov-94	Birth Transfer Death
00131 735914 810043 NING KU	F	29-May-78	00084	00114	OKLAHOMA HELSINKI	29-May-78 20-Nov-81 23-Jun-93	Birth Transfer Death
00132 781131 ROSE	F	06-Jun-78	00083	00118	NY BRONX	06-Jun-78 01-Jul-93	Birth Death
00133 M9655 79M001 SHEY	M	29-Aug-78	00107	00105	CINCINNAT DUBLIN	29-Aug-78 22-Oct-79 19-Jun-96	Birth Transfer Death
00134 NONE C84003 EMBA	F	~ 1979	WILD	WILD	KYRGYZSTA NOVOSIBRK HARBIN	???? 31-Mar-84 26-Mar-92	Capture Transfer Ltf
00135	M	23-Apr-79	00091	00092	LOSANGELE	23-Apr-79	Birth

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
9649 2426 17938 PING					HOGLE SAN FRAN	12-Sep-79 13-Jan-87 14-Apr-94	Transfer Transfer Death
00136 791412 800691 TRINA	F	27-Apr-79	00073	00081	SAN ANTON BASEL EGG	27-Apr-79 12-Sep-80 23-Nov-94 17-May-98	Birth Transfer Transfer Death
00137 791560 2697 940109 ANNAPURNA	F	19-May-79	00122	00112	SAN ANTON HOGLE BOISE	19-May-79 26-Sep-80 23-Apr-92 27-Apr-96	Birth Transfer Transfer Death
00138 890013 MARTHA	F	~ 1980	WILD	WILD	KYRGYZSTA MOSCOW	28-Jan-84 16-Mar-84 01-Jun-93	Capture Transfer Death
00139 890008 P85030 ORION	M	09-May-80	00120	00109	MOSCOW LYMPNE	09-May-80 05-Feb-85 16-May-96	Birth Transfer Death
00140 P82012 MESSALINA	F	09-May-80	00123	00103	NETTUNO LYMPNE	09-May-80 28-Jan-82 01-Jun-99	Birth Transfer Death
00141 890003 320F VIKA	F	15-May-80	00093	00094	ST PETERS MOSCOW NAGOYA	15-May-80 24-Oct-80 16-Feb-84 19-May-01	Birth Transfer Transfer Death
00142 801132 18376 801132 115005 SHERE	F	26-May-80	00119	00118	NY BRONX TORONTO NY BRONX DVURKRALV	26-May-80 15-Mar-84 14-Nov-84 19-Jan-90	Birth Transfer Transfer Ltf
00143 890019 851218 BISSER	M	27-May-80	00110	00101	NOVOSIBRK MOSCOW NY BRONX	27-May-80 27-Nov-84 04-Jun-85 21-Feb-96	Birth Transfer Transfer Death
00144 890014 KOSHGAR	M	~ 1981	WILD	WILD	KYRGYZSTA MOSCOW	01-Mar-84 19-Apr-84 23-Sep-86	Capture Transfer Death
00145 4F ELLI	F	14-Sep-81	00113	00088	MUNICH	14-Sep-81 02-Dec-98	Birth Death
00146 890002 KATARINA	F	????	WILD	WILD	RUSSIA FRUNZE MOSCOW	01-Mar-83 15-Mar-83 02-Jul-83 19-Aug-92	Capture Transfer Transfer Death
00147 16F 51003 JOKI	M	02-May-82	00121	00104	KREFELD MUNICH	02-May-82 01-Sep-83 02-Jun-92	Birth Transfer Death
00148 820024	F	25-May-82	00108	00089	HELSINKI	25-May-82 25-Apr-02	Birth Death

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
KORUM							
00149 821179 P83012 SITA	F	26-May-82	00119	00118	NY BRONX LYMPNE	26-May-82 16-Jun-83 28-Oct-98	Birth Transfer Death
00150 H91 KRE19 ISCHRAN	M	03-May-83	00121	00125	KREFELD NAGOYA	03-May-83 25-Jan-84 15-Nov-99	Birth Transfer Death
00151 4043 GREAT	M	15-May-83	00135	00137	HOGLE SAPPORO	15-May-83 08-Oct-84 10-Nov-94	Birth Transfer Death
00152 P8310 890017 9238 SHIVA	F	30-May-83	00126	00140	LYMPNE MOSCOW TALLIN	30-May-83 23-Aug-84 30-Aug-85 24-Mar-00	Birth Transfer Transfer Death
00153 831170 ROCKI	F	30-May-83	00119	00132	NY BRONX SAPPORO	30-May-83 07-Dec-84 14-Oct-97	Birth Transfer Death
00154 840172 85049 BAYAN	F	25-May-84	00124	00131	HELSINKI WUPPERTAL	25-May-84 17-Oct-85 09-May-99	Birth Transfer Death
00155 890015 OZON	M	19-Jun-84	00127	00146	MOSCOW	19-Jun-84 08-Jan-95	Birth Death
00156 890016 20 ONIX	M	19-Jun-84	00127	00146	MOSCOW KREFELD	19-Jun-84 09-Apr-86 22-Aug-02	Birth Transfer Death
00157 840050 85038 KASHMIR	M	26-Aug-84	00095	00100	ZURICH WUPPERTAL	26-Aug-84 12-Sep-85 03-Jul-06	Birth Transfer Death
00158 XIN33	F	~ 1985	WILD	WILD	MONGOLIA XINING	~ 1986 02-Jan-86	Capture Ltf
00159 19 INA	F	03-May-85	00121	00125	KREFELD	03-May-85 26-Apr-02	Birth Death
00160 890022 ODA	F	20-May-85	00144	00138	MOSCOW	20-May-85 17-Jan-97	Birth Death
00161 890018 BETSI	F	28-Apr-86	00117	00134	NOVOSIBRK HELSINKI	28-Apr-86 31-Mar-89 24-Jan-05	Birth Transfer Death
00162 1F 9241 REMBO	F	~ May 1986	WILD	WILD	KYRGYZSTA FRUNZE RIGA TALLIN	???? 25-May-88 25-May-88 04-Feb-89 20-Aug-01	Capture Transfer Transfer Transfer Death
00163 860029	M	03-May-86	00124	00131	HELSINKI MOSCOW	03-May-86 17-Feb-93	Birth Transfer

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
930003 DON						10-Oct-02	Death
00164 860030 870069 DALAI	M	03-May-86	00124	00131	HELSINKI ZURICH	03-May-86 22-Dec-87 03-Mar-98	Birth Transfer Death
00165 860706 880061 JUBA	F	05-May-86	00130	00136	BASEL MULHOUSE BASEL	05-May-86 06-Jun-88 10-May-95	Birth Transfer Death
00166 860047 201014 MANSEHRA	F	20-May-86	00095	00100	ZURICH WUPPERTAL	20-May-86 03-Apr-01 26-Apr-03	Birth Transfer Death
00167 860049 880127 MINTAK	M	04-Jul-86	00095	00087	ZURICH HELSINKI	04-Jul-86 14-Dec-87 09-Oct-00	Birth Transfer Death
00168 860101 890044 DRUSHBA	M	14-Jul-86	00108	00129	HELSINKI MULHOUSE	14-Jul-86 05-Jan-89	Birth Lt
00169 C88002 ALTAIJ	M	????	WILD	WILD	WILD ZOO OBJED NOVOSIBRK	???? 18-May-88 18-May-88 11-Jan-03	Capture Transfer Transfer Death
00170 DARJ1	?	29-May-87	00001	00003	DARJEELIN	29-May-87 29-May-87	Birth Death
00171 9240 SCHILLING	M	07-Jun-87	00128	00152	TALLIN	07-Jun-87 17-Jul-05	Birth Death
00172 87003 307 TANJA	F	14-Jul-87	00157	00154	WUPPERTAL KREFELD	14-Jul-87 06-Apr-89 21-Dec-05	Birth Transfer Death
00173 HISAO	M	18-Apr-88	00151	00153	SAPPORO NAGOYA	18-Apr-88 19-Apr-89	Birth Transfer
00174 PATRA	F	08-May-88	00150	00141	NAGOYA	08-May-88	Birth Ltf
00175 890037 890083 OLF	M	09-May-88	00155	00160	MOSCOW HUNBSTRND	09-May-88 08-Sep-89 05-Apr-95	Birth Transfer Death
00176 P88026 890041 TAI	F	20-May-88	00139	00149	LYMPNE HUNBSTRND	20-May-88 07-Jun-89 03-Jul-02	Birth Transfer Death
00177 881260 90M026 SEENA	F	07-Jun-88	00143	00142	NY BRONX DUBLIN	07-Jun-88 08-Jun-90 14-Apr-00	Birth Transfer Death
00178 DARJ3	F	20-May-89	00004	00002	DARJEELIN	20-May-89 14-Oct-91	Birth Death

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
USHA							
00179 890045 OBICH	F	22-May-89	00127	00138	MOSCOW	22-May-89 20-Dec-07	Birth Death
00180 DARJ4 PURNIMA	F	20-May-89	00004	00002	DARJEELIN	20-May-89 21-Sep-89	Birth Death
00181 900177 S99067 ODIN	M	03-Jun-89	00155	00160	MOSCOW HELSINKI LA PLAINE	03-Jun-89 26-Oct-90 21-Dec-99 18-Feb-05	Birth Transfer Transfer Death
00182 890106 GALINA	F	29-Jul-89	00169	00161	HELSINKI	29-Jul-89 11-Jan-06	Birth Death
00183 51006 M1073 930701 M04034 MARTIN	M	17-Apr-90	00147	00145	MUNICH BRATISLAV KRAKOW OPOLE	17-Apr-90 19-Dec-90 09-Jun-93 28-Apr-04	Birth Transfer Transfer Ltf
00184 P90042 ATHENE	F	19-May-90	00139	00149	LYMPNE	19-May-90 16-Feb-99	Birth Death
00185 900063 MD0115 CHENSI	M	27-May-90	00168	00165	MULHOUSE POZNAN	27-May-90 02-Jul-92	Birth Ltf
00186 900062 H91209 P92071 CAKYA	M	27-May-90	00168	00165	MULHOUSE BEKESBRNE LYMPNE	27-May-90 22-Oct-91 05-Aug-92 25-Jan-06	Birth Transfer Transfer Death
00187 MD0114 JUNGA	F	11-May-91	00173	00174	NAGOYA POZNAN	11-May-91 28-Jun-92	Birth Ltf
00188 910148 930601 INNA	F	23-Dec-91	00163	00148	HELSINKI KRAKOW	23-Dec-91 07-May-93 08-Oct-00	Birth Transfer Death
00189 540 4001 TESS	M	02-May-92	00156	00172	KREFELD JIHLAVA	02-May-92 26-Oct-94	Birth Ltf
00190 920088 1842 JASMINA	F	08-Jun-92	00167	00161	HELSINKI KOLN	08-Jun-92 05-Sep-94	Birth Ltf
00191 920087 4002 610016 JELENA	F	08-Jun-92	00167	00161	HELSINKI JIHLAVA LIBEREC	08-Jun-92 15-Dec-94 21-Dec-05	Birth Transfer Ltf
00192	M	07-May-93	00175	00176	HUNBSTRND	07-May-93	Birth

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
930038 UNC9 IRZIG					ODENSE	18-Apr-00	Ltf
00193 93M044 1854 207014 1854 TOIBIN	M	17-May-93	00133	00177	DUBLIN KOLN WUPPERTAL KOLN	17-May-93 21-Sep-94 04-Apr-07 25-Oct-07	Birth Transfer Transfer Ltf
00194	M	02-May-94	00004	00006	DARJEELIN	02-May-94 24-May-94	Birth Death
00195 836 LEORNADO	M	17-Apr-95	00156	00159	KREFELD	17-Apr-95	Birth Ltf
00196 960197 12647 OLIVIYA	F	05-Jun-96	00163	00179	MOSCOW TALLIN	05-Jun-96 11-Jun-98	Birth Ltf
00197 12168 SELTON	M	17-May-97	00171	00162	TALLIN	17-May-97	Birth Ltf
00198 P8019 MAY LADY	F	04-May-98	00186	00184	LYMPNE HANSTEDT	04-May-98 02-Jun-00 08-Jun-03	Birth Transfer Death
00199 980066 PATRON	M	01-Jun-98	00167	00182	HELSINKI HANSTEDT	01-Jun-98 30-May-00 01-Sep-07	Birth Transfer Death
00200 2445 SA0046 YUMLA	F	04-May-99	00193	00190	KOLN LA PLAINE	04-May-99 12-Dec-00	Birth Ltf
00201 13125 1334 ODETTE	F	01-Jun-99	00197	00196	TALLIN KREFELD	01-Jun-99 21-Jun-01 25-Oct-08	Birth Transfer Death
00202 501	F	08-May-00	00183	00188	KRAKOW	08-May-00	Birth Ltf
00203 6 20903 HONZA	M	21-Aug-00	00189	00191	JIHLAVA KRAKOW	21-Aug-00 12-Sep-02	Birth Ltf
00204 NIN4 M04498 LAURA	F	30-Apr-01	00199	00198	HANSTEDT LEIPZIG	30-Apr-01 18-Dec-03	Birth Ltf
00205 MD0455 1505 GONGGA	F	03-May-01	00185	00187	POZNAN SZEGED	03-May-01 26-Jul-02	Birth Ltf
00206 SA0097 1504	M	24-Jul-01	00181	00200	LA PLAINE SZEGED	24-Jul-01 16-Jul-02	Birth Ltf

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
GANDHI							
00207 1465 M06248 ONJEGIN	M	20-Apr-03	00195	00201	KREFELD LEIPZIG	20-Apr-03 27-Oct-04	Birth Ltf
00208 30504 M02212	F	12-May-03	00203	00202	KRAKOW NURNBERG	12-May-03 29-Apr-04	Birth Ltf
00209 2134 M02579 INDRA	M	02-May-05	00206	00205	SZEGED NURNBERG	02-May-05 28-Aug-06	Birth Ltf
00210	M	15-Feb-10	00016	00028	DARJEELIN	15-Feb-10 18-Jun-10	Birth Death
00211 ZIMA	F	06-May-10	00207	00204	LEIPZIG LODZ DARJEELIN	06-May-10 01-Jun-12 06-Oct-13	Birth Transfer Transfer
00212 LAVANI	F	06-May-10	00207	00204	LEIPZIG LODZ DARJEELIN	06-May-10 01-Jun-12 06-Oct-13	Birth Transfer Transfer
00213 KIM	F	29-Apr-10	00209	00208	NURNBERG DARJEELIN	29-Apr-10 11-Oct-12	Birth Transfer
00214	F	09-Sep-11	00034	00037	DARJEELIN	09-Sep-11 14-Sep-11	Birth Death
00215	F	09-Sep-11	00034	00037	DARJEELIN	09-Sep-11 22-Nov-11	Birth Death
00216 RARE	F	19-Jun-12	00034	00037	DARJEELIN	19-Jun-12	Birth
00217	?	15-Oct-89	UNK	UNK	DARJEELIN	15-Oct-89 04-Nov-93	Birth Death
00218	?	31-Mar-99	00007	00015	DARJEELIN	31-Mar-99 31-Mar-99	Birth Death
00219	?	19-Oct-99	UNK	00015	DARJEELIN	19-Oct-99 19-Oct-99	Birth Death
00220	?	19-Jun-02	00014	00009	DARJEELIN	19-Jun-02 21-Jun-02	Birth Death
00221	?	26-May-03	00014	00006	DARJEELIN	26-May-03 04-Jun-03	Birth Death
00222	?	26-May-03	00014	00006	DARJEELIN	26-May-03 09-Jul-03	Birth Death
00223	?	28-Feb-04	UNK	00015	DARJEELIN	28-Feb-04 28-Feb-04	Birth Death
00224	?	28-Feb-04	UNK	00015	DARJEELIN	28-Feb-04 28-Feb-04	Birth Death
00225	?	28-Feb-04	UNK	00015	DARJEELIN	28-Feb-04 01-Mar-04	Birth Death
00226	?	11-Mar-04	00016	00028	DARJEELIN	11-Mar-04 11-Mar-04	Birth Death
00227 SICI	M	22-May-11	UNK	UNK	JIHLAVA DARJEELIN	22-May-11 ???? 19-Jul-14	Birth Transfer Death
00228	F	02-May-14	00038	00211	DARJEELIN	02-May-14	Birth

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
SHINING						02-May-14	Death
00229 MORNING	F	02-May-14	00038	00211	DARJEELIN	02-May-14	Birth
00230 MAKALU 956000001458313	M	17-Apr-14	UNK	UNK	DUDLEY DARJEELIN	17-Apr-14 25-Jun-16	Birth Transfer
00231 NAMKHA 250228730005176	M	16-Jun-14	UNK	UNK	FRANCE DARJEELIN	16-Jun-14 01-Sep-16	Birth Transfer
TOTALS: 231 (102.118.11)							

Annexure II

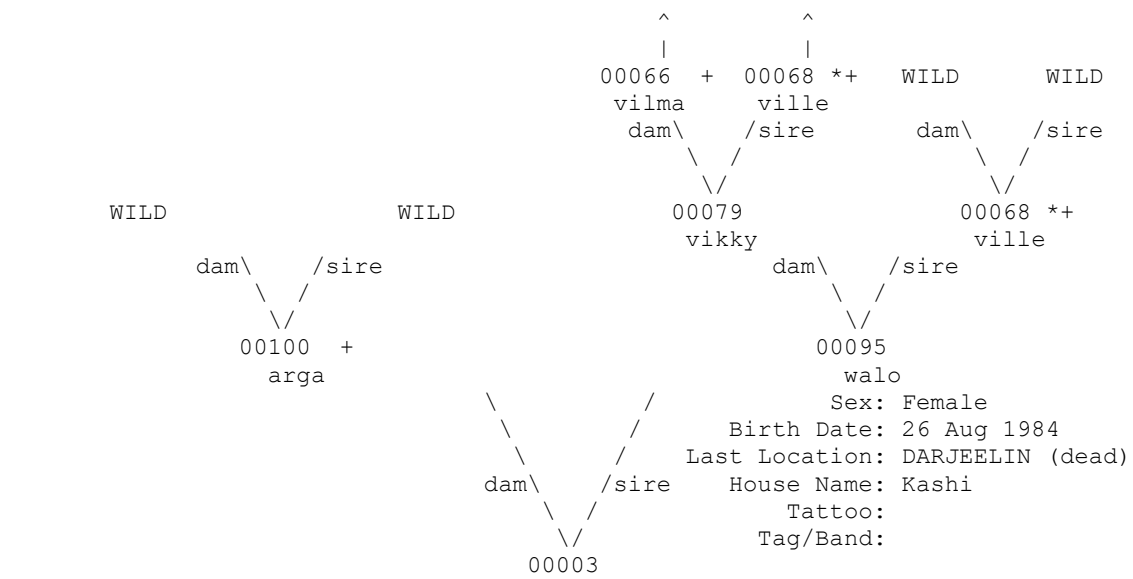
Living population of Snow leopard (*Panthera uncia*)

Stud# Local ID Name Transponder	Sex	Birth Date	Sire	Dam	Location	Date	Event
Padmaja Naidu Himalayan Zoological Park, Darjeeling							
00034 DARJ45 PRABHAT	M	08-Jul-02	00014	00015	DARJEELIN	08-Jul-02	Birth
00035 DARJ44 SUBASH	M	08-Jul-02	00014	00015	DARJEELIN SHIMLA DARJEELIN	08-Jul-02 23-Dec-04 30-Mar-13	Birth Transfer Transfer
00037 DARJ47 RITU	F	11-Mar-04	00016	00028	DARJEELIN	11-Mar-04	Birth
00040 DARJ39 TEESTA	F	29-Mar-02	00016	00028	DARJEELIN	29-Mar-02	Birth
00044 DARJ49 YASHMIN 000611163B	F	25-May-04	00014	00009	DARJEELIN	25-May-04	Birth
00211 ZIMA	F	06-May-10	00207	00204	LEIPZIG LODZ DARJEELIN	06-May-10 01-Jun-12 06-Oct-13	Birth Transfer Transfer
00212 LAVANI	F	06-May-10	00207	00204	LEIPZIG LODZ DARJEELIN	06-May-10 01-Jun-12 06-Oct-13	Birth Transfer Transfer
00213 KIM	F	29-Apr-10	00209	00208	NURNBERG DARJEELIN	29-Apr-10 11-Oct-12	Birth Transfer
00216 RARE	F	19-Jun-12	00034	00037	DARJEELIN	19-Jun-12	Birth
00229 MORNING	F	02-May-14	00038	00211	DARJEELIN	02-May-14	Birth
00230 MAKALU 956000001458313	M	17-Apr-14	UNK	UNK	DUDLEY DARJEELIN	17-Apr-14 25-Jun-16	Birth Transfer
00231 NAMKHA 250228730005176	M	16-Jun-14	UNK	UNK	FRANCE DARJEELIN	16-Jun-14 01-Sep-16	Birth Transfer
Total: 12 (4.8.0)							
Himalayan Zoological Park, Gangtok							
00045 DARJ50 MALLIKA 0000F8A18	F	25-May-04	00014	00009	DARJEELIN GANGTOK	25-May-04 29-Jun-10	Birth Transfer
Total: 1 (0.1.0)							
Total Living: 13 (4.9.0)							

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Taxon Name:  UNCIA  UNCIA                                Studbook Number:  00002
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WILD              WILD              WILD              WILD
dam\              /sire              dam\              /sire
  \              /                  \              /
   \            /                    \            /
    00081  +                          00073  +
      crystal                          frosty
                                     Sex: Female
                                     Birth Date: 23 Apr 1980
                                     Last Location: DARJEELIN (dead)
                                     House Name: Persia
                                     Tattoo:
                                     Tag/Band:
                                     + Wild-caught...
                                     00002
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Taxon Name: UNCIA UNCIA

Studbook Number: 00003



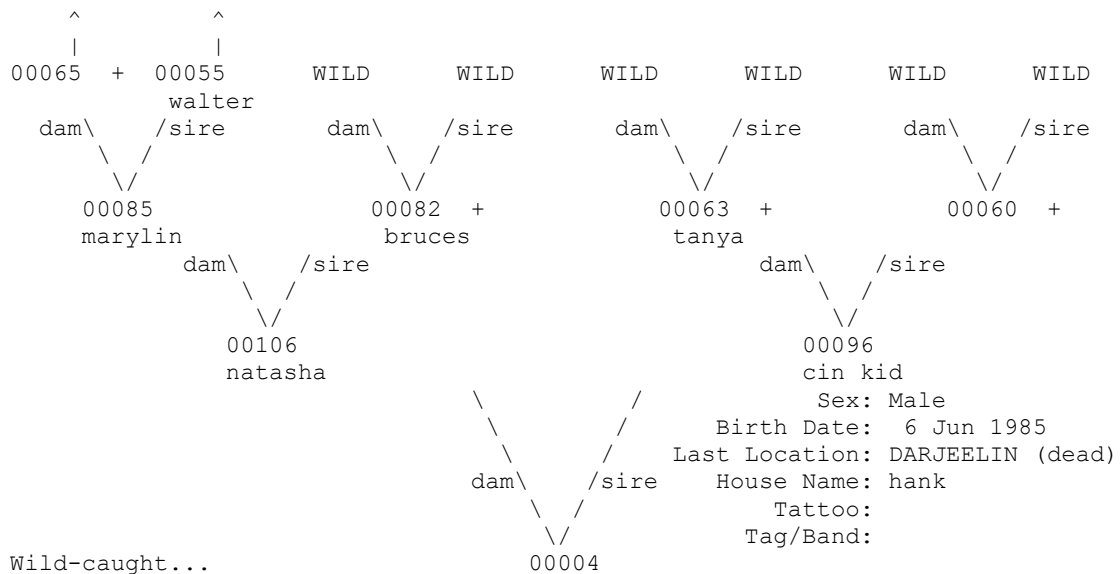
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Taxon Name: UNCIA UNCIA

Studbook Number:

00004



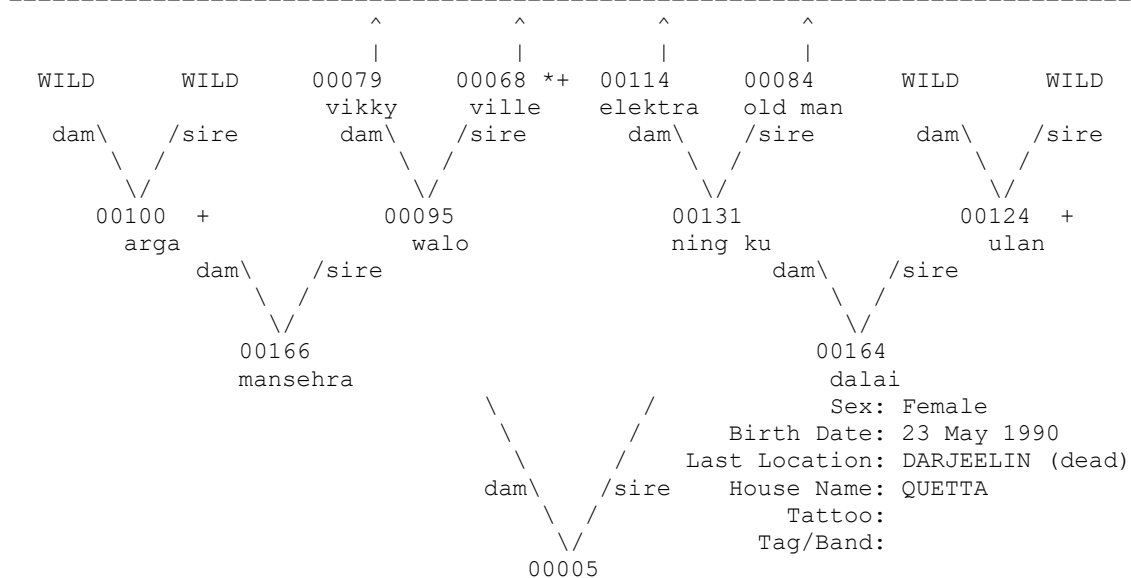
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Taxon Name: UNCIA UNCIA Studbook Number: 00005

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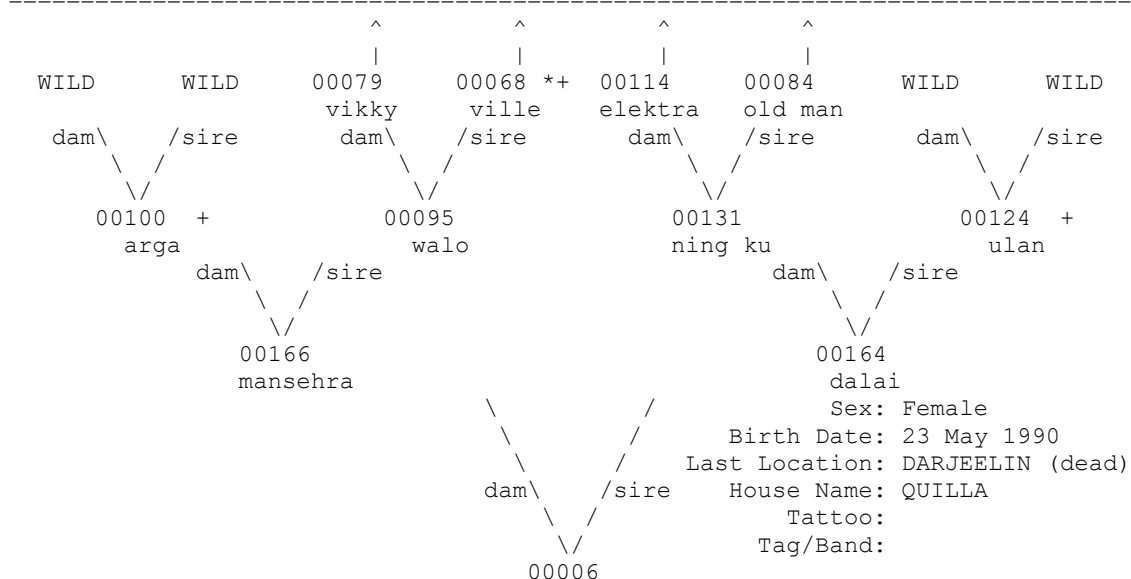
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Taxon Name: UNCIA UNCIA Studbook Number: 00006

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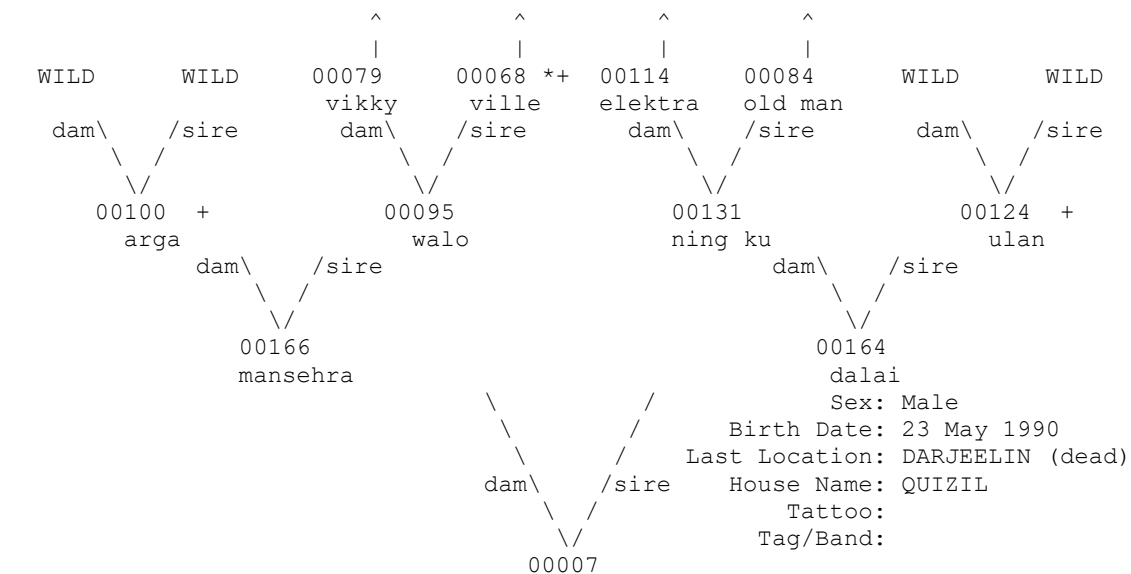
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Taxon Name: UNCIA UNCIA Studbook Number: 00007

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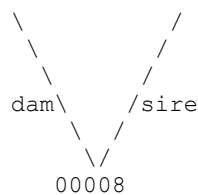
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Taxon Name: UNCIA UNCIA Studbook Number: 00008

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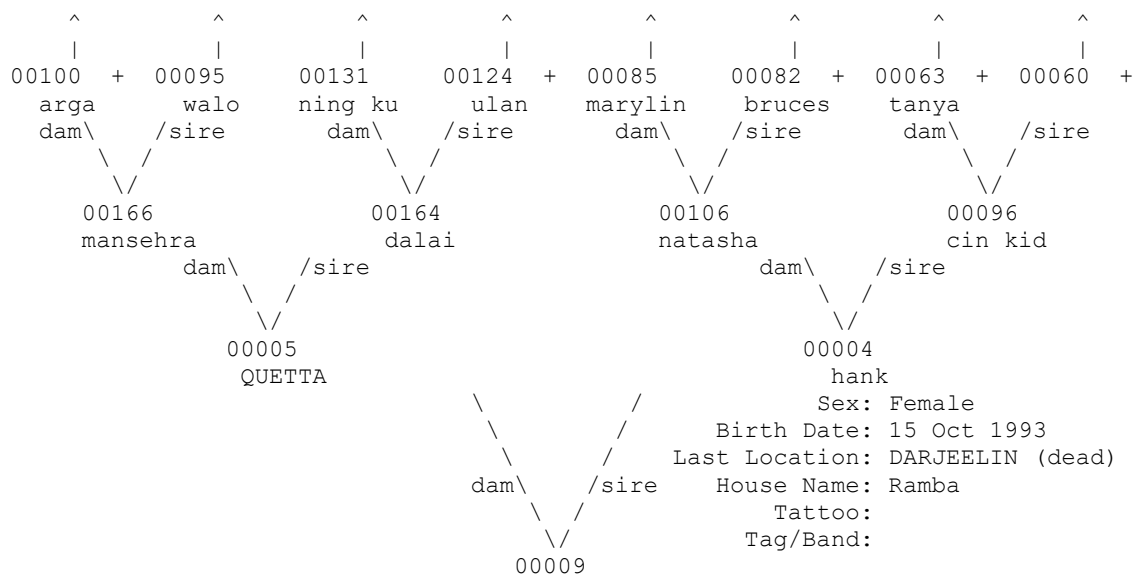
UNK



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Taxon Name: UNCIA UNCIA Studbook Number: 00009

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+ Wild-caught... * Appear more than once...

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Taxon Name: UNCIA UNCIA                      Studbook Number: 00010
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      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00100 + 00095   00131   00124 + 00085   00082 + 00063 + 00060 +
  arga   walo   ning ku   ulan   marylin   bruces   tanya
  dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire
    \    /      \    /      \    /      \    /      \    /
   00166   00164   00106   00096
  mansehra dalai  natasha  cin kid
    dam\   /sire  dam\   /sire
      \    /      \    /
     00006   00004
    QUILLA   hank
              Sex: Female
              Birth Date: 2 May 1994
              Last Location: DARJEELIN (dead)
              House Name:
              Tattoo:
              Tag/Band:
              \    /
             dam\ /sire
               \  /
              00010
  
```

+ Wild-caught... * Appear more than once...

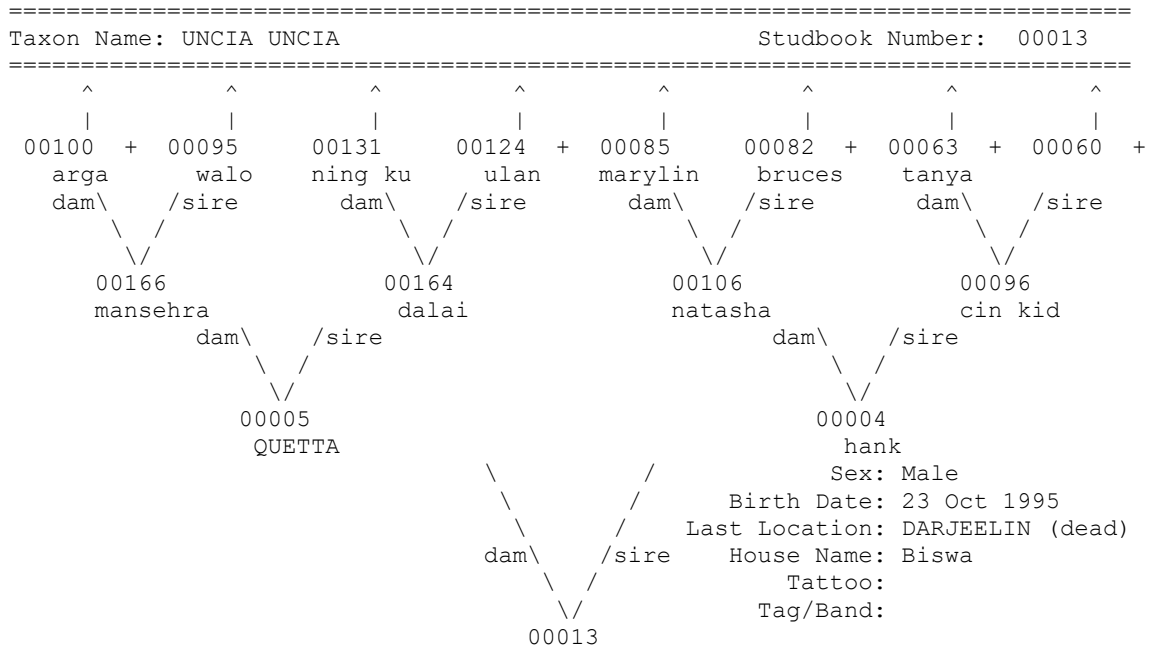
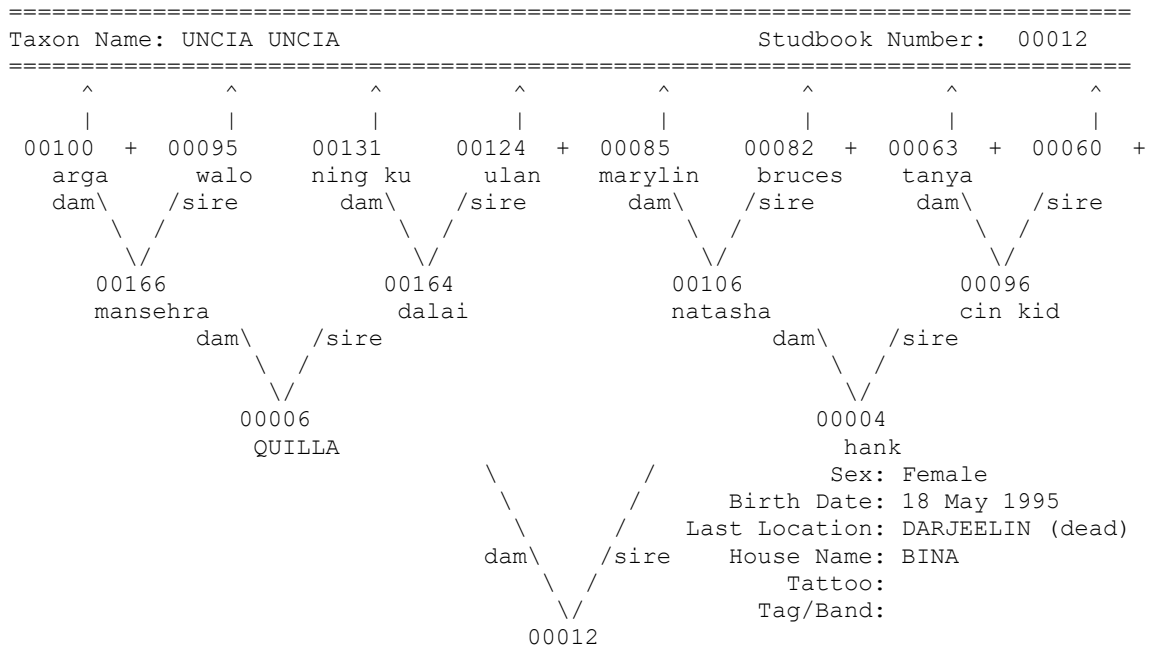
^ Pedigree continues beyond top of page...

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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00011
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00100 + 00095   00131   00124 + 00085   00082 + 00063 + 00060 +
  arga   walo   ning ku   ulan   marylin   bruces   tanya
  dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire
    \    /      \    /      \    /      \    /      \    /
   00166   00164   00106   00096
  mansehra dalai  natasha  cin kid
    dam\   /sire  dam\   /sire
      \    /      \    /
     00006   00004
    QUILLA   hank
              Sex: Male
              Birth Date: 2 May 1994
              Last Location: DARJEELIN (dead)
              House Name:
              Tattoo:
              Tag/Band:
              \    /
             dam\ /sire
               \  /
              00011
  
```

+ Wild-caught... * Appear more than once...

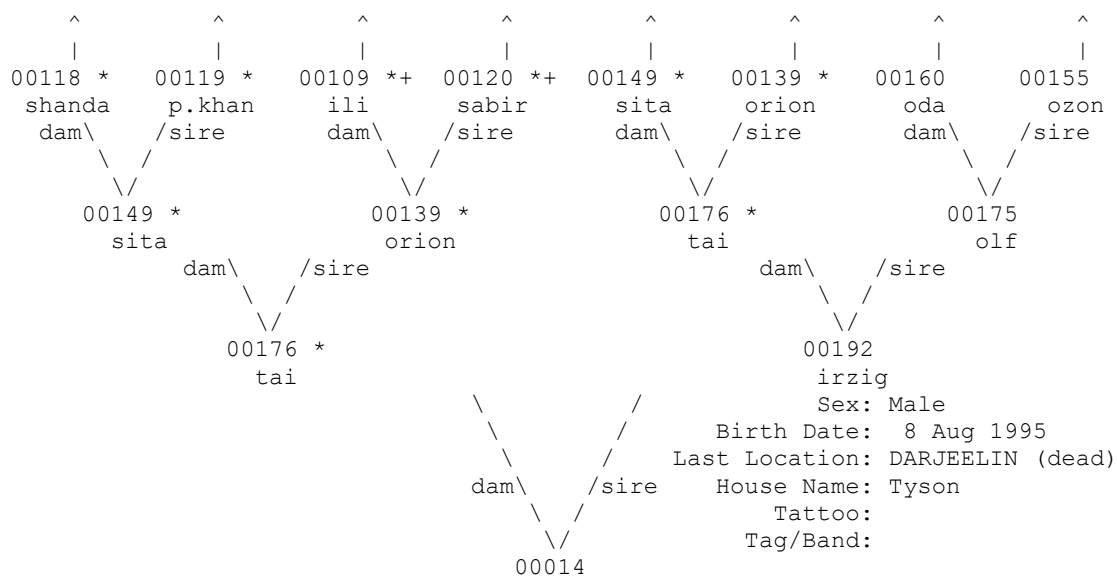
^ Pedigree continues beyond top of page...



=====

Taxon Name: UNCIA UNCIA Studbook Number: 00014

=====



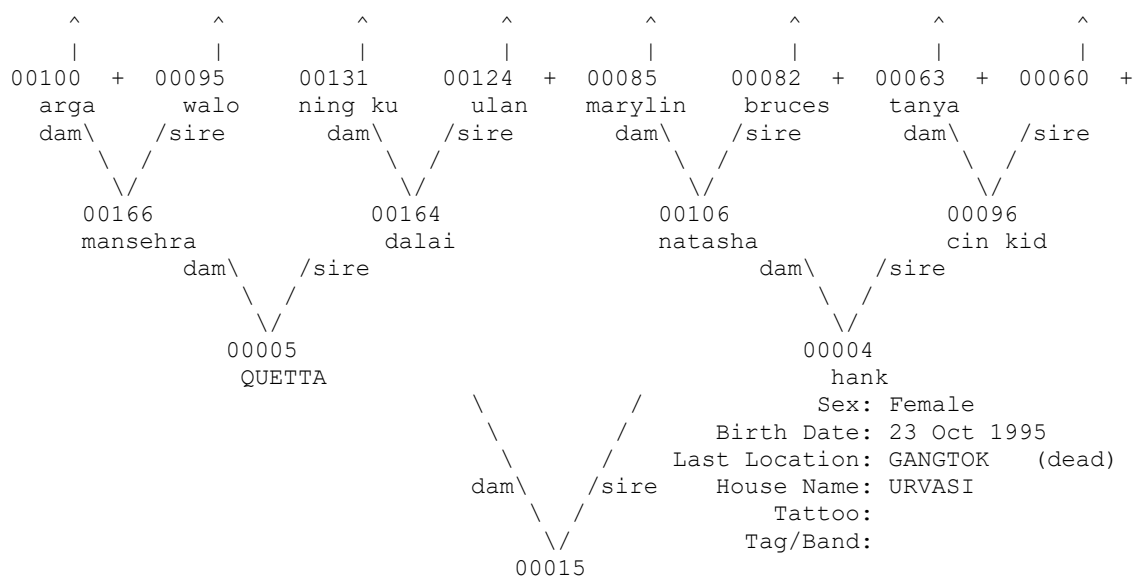
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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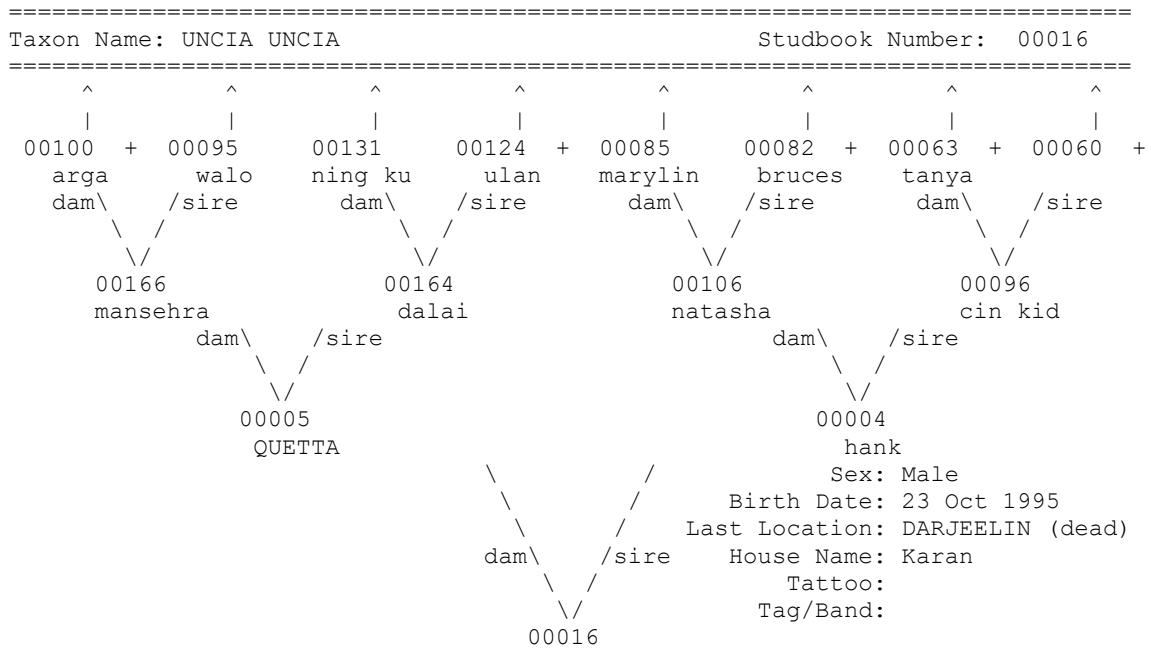
Taxon Name: UNCIA UNCIA Studbook Number: 00015

=====



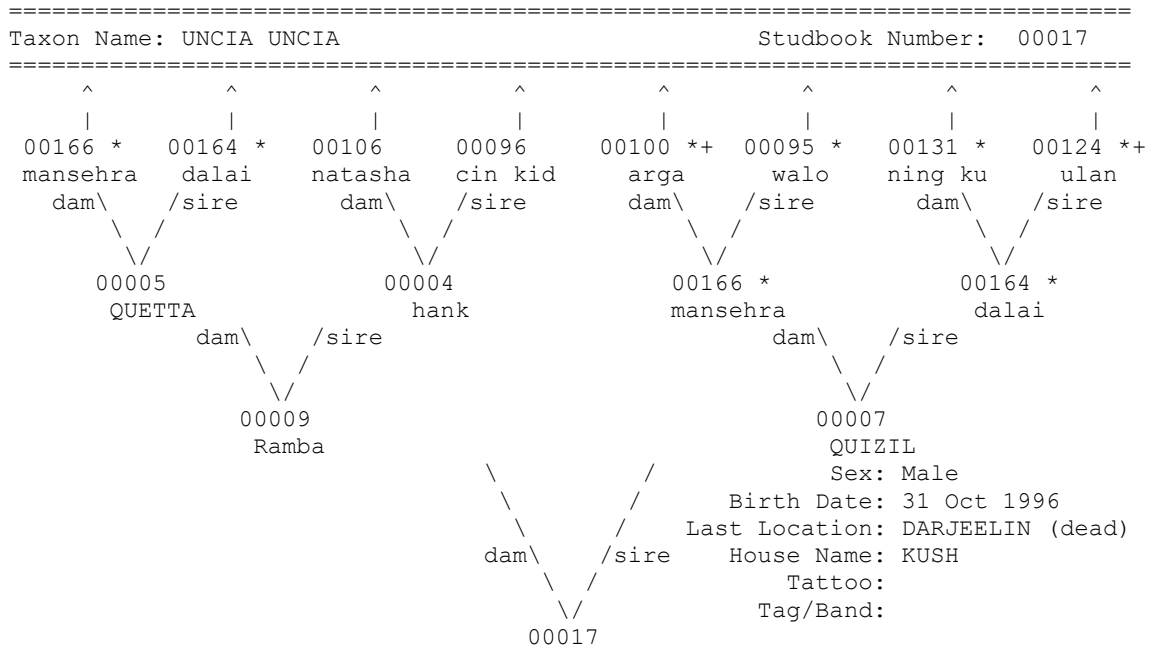
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00018
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00166 * 00164 * 00106 00096 00100 *+ 00095 * 00131 * 00124 *+
mansehra dalai natasha cin kid arga walo ning ku ulan
dam\ /sire dam\ /sire dam\ /sire dam\ /sire dam\ /sire dam\ /sire dam\ /sire
  \ /      \ /      \ /      \ /      \ /      \ /      \ /      \ /
00005      00004      00166 *      00164 *
QUETTA      hank      mansehra      dalai
  dam\      dam\      dam\      dam\
   \ /      \ /      \ /      \ /
    00009      00007
    Ramba      QUIZIL
              Sex: Male
              Birth Date: 31 Oct 1996
              Last Location: DARJEELIN (dead)
              House Name: LUV
              Tattoo:
              Tag/Band:

              \ /      \ /
              dam\ /sire
              \ /
              00018
  
```

+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

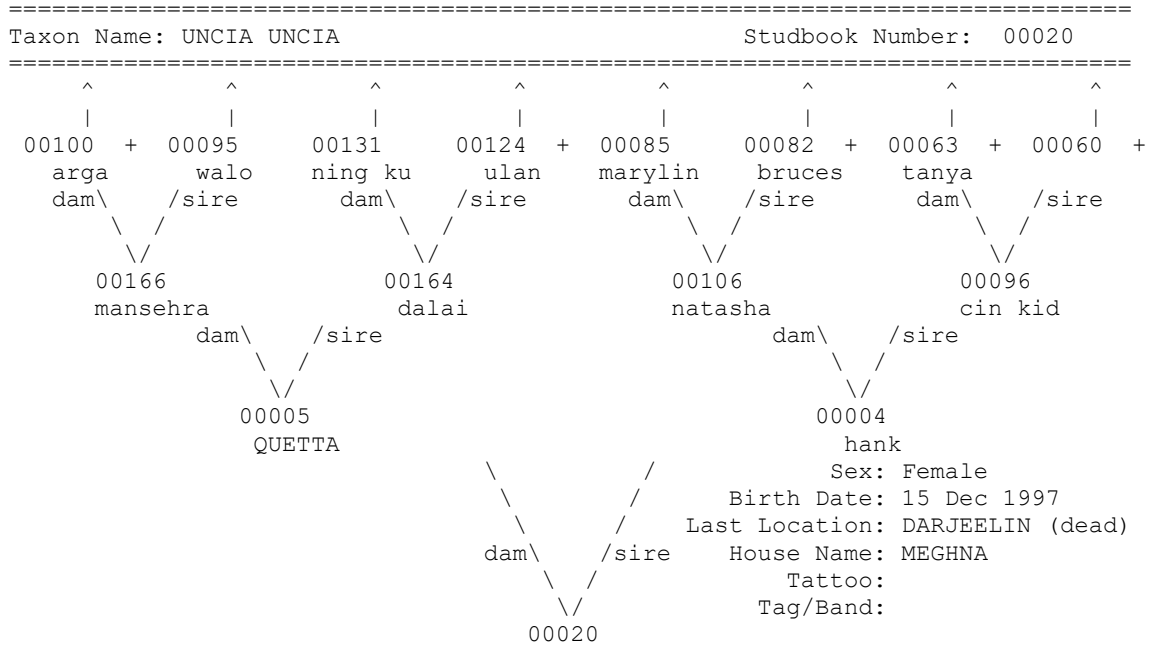
```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00019
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00100 + 00095 00131 00124 + 00085 00082 + 00063 + 00060 +
arga walo ning ku ulan marylin bruces tanya
dam\ /sire dam\ /sire dam\ /sire dam\ /sire dam\ /sire dam\ /sire
  \ /      \ /      \ /      \ /      \ /      \ /      \ /      \ /
00166      00164      00106      00096
mansehra dalai natasha cin kid
  dam\      dam\      dam\      dam\
   \ /      \ /      \ /      \ /
    00005      00004
    QUETTA      hank
              Sex: Female
              Birth Date: 15 Dec 1997
              Last Location: DARJEELIN (dead)
              House Name: MENUKA
              Tattoo:
              Tag/Band:

              \ /      \ /
              dam\ /sire
              \ /
              00019
  
```

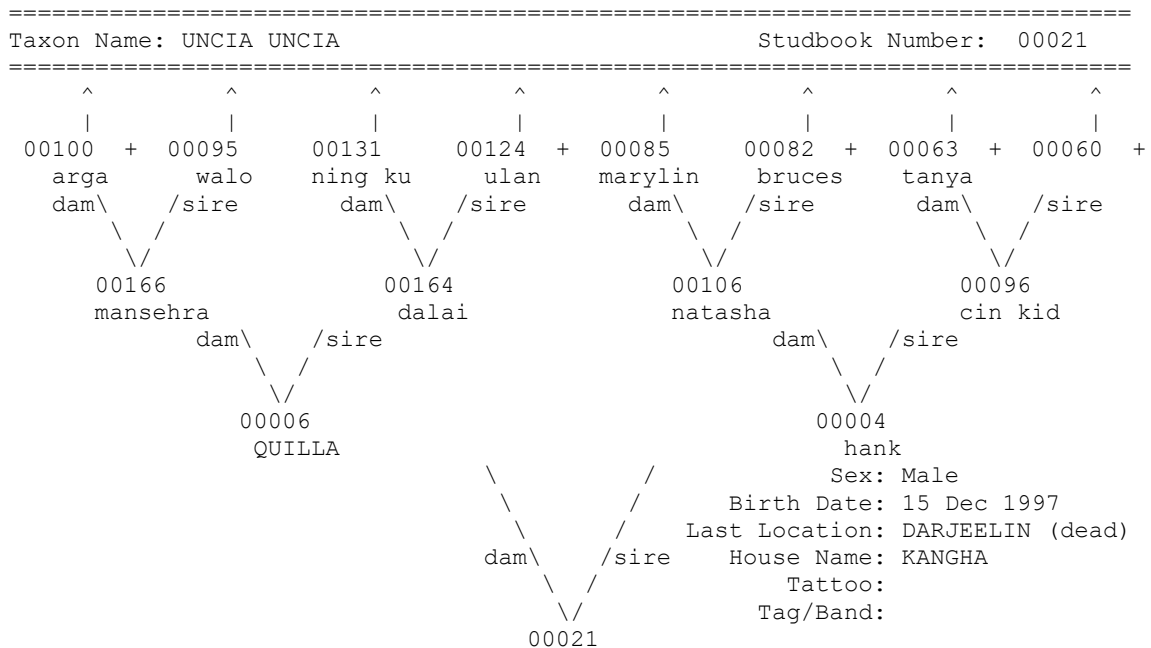
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00022
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00100 + 00095   00131   00124 + 00085   00082 + 00063 + 00060 +
  arga   walo   ning ku   ulan   marylin   bruces   tanya
  dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire
    \    /      \    /      \    /      \    /      \    /
   00166   00164   00106   00096
  mansehra dalai  natasha  cin kid
    dam\   /sire  dam\   /sire
      \    /      \    /
    00006   00004
   QUILLA   hank
                        Sex: Male
                        Birth Date: 22 Mar 1998
                        Last Location: DARJEELIN (dead)
                        House Name: KARISH
                        Tattoo:
                        Tag/Band:

                                \    /
                                dam\ /sire
                                  \  /
                                   00022
  
```

+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00023
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00100 + 00095   00131   00124 + 00085   00082 + 00063 + 00060 +
  arga   walo   ning ku   ulan   marylin   bruces   tanya
  dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire
    \    /      \    /      \    /      \    /      \    /
   00166   00164   00106   00096
  mansehra dalai  natasha  cin kid
    dam\   /sire  dam\   /sire
      \    /      \    /
    00006   00004
   QUILLA   hank
                        Sex: Male
                        Birth Date: 22 Mar 1998
                        Last Location: DARJEELIN (dead)
                        House Name: RAVI
                        Tattoo:
                        Tag/Band:

                                \    /
                                dam\ /sire
                                  \  /
                                   00023
  
```

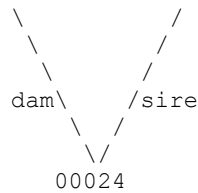
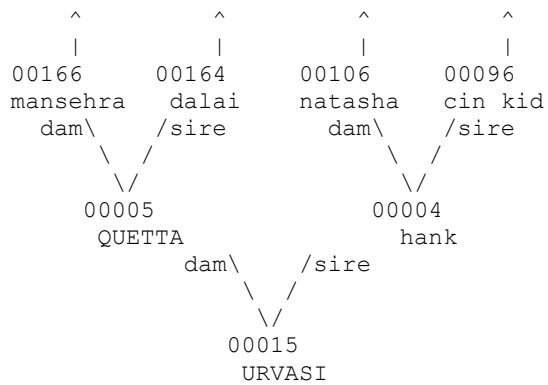
+ Wild-caught... * Appear more than once...

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Taxon Name: UNCIA UNCIA	Studbook Number: 00024
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UNK

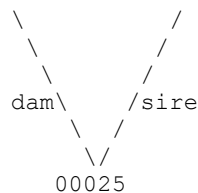
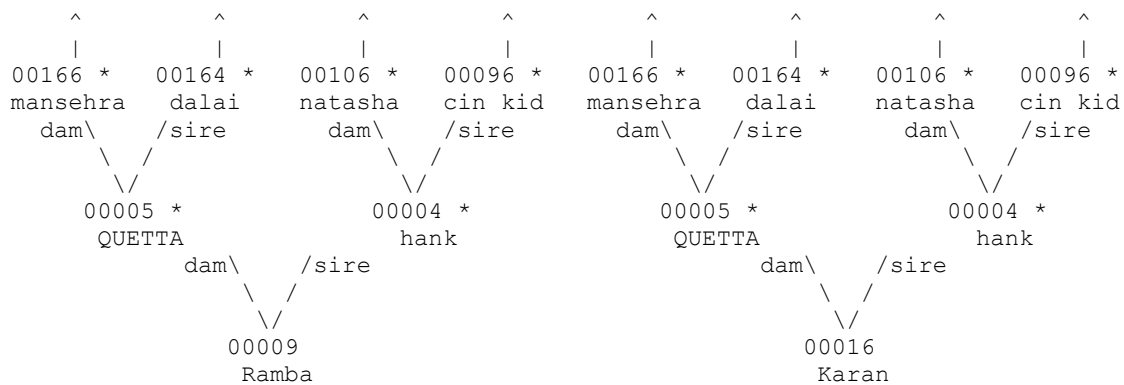
Sex: Male
 Birth Date: 31 Mar 1999
 Last Location: DARJEELIN (dead)
 House Name:
 Tattoo:
 Tag/Band:

* Appear more than once...
 ^ Pedigree continues beyond top of page...

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Taxon Name: UNCIA UNCIA	Studbook Number: 00025
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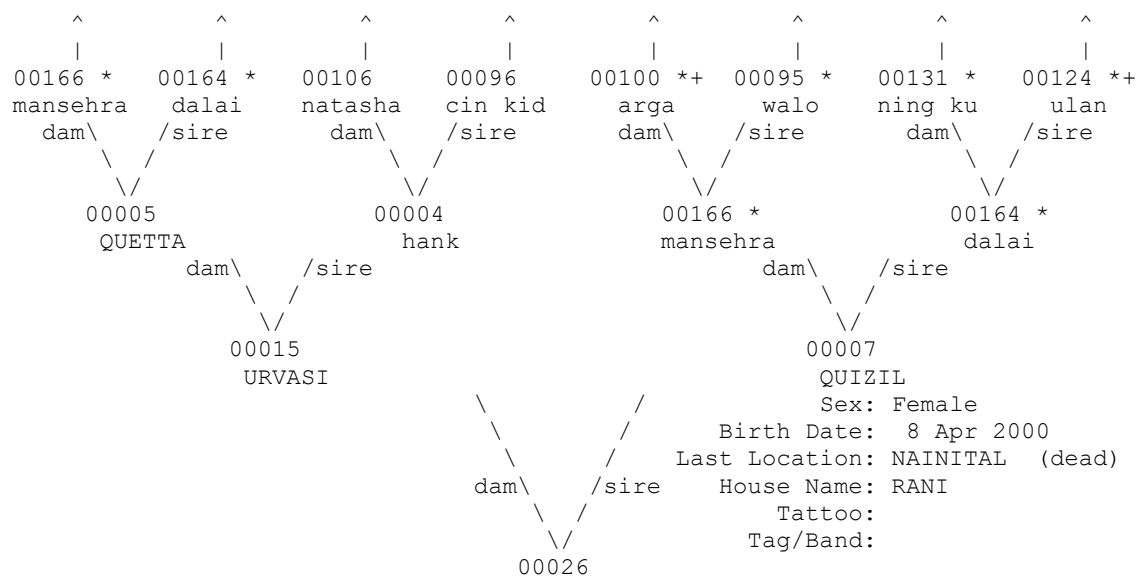
00016
 Karan
 Sex: Male
 Birth Date: 29 Jun 1999
 Last Location: DARJEELIN (dead)
 House Name: RAJA
 Tattoo:
 Tag/Band:

* Appear more than once...
 ^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00026

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+ Wild-caught... * Appear more than once...

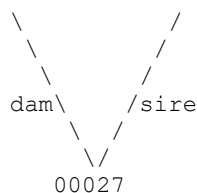
^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00027

=====

WILD



WILD

Sex: Female

Birth Date: ~ 1993

Last Location: DARJEELIN (dead)

House Name: MEETA

Tattoo:

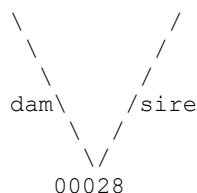
Tag/Band:

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00028

=====

WILD



WILD

Sex: Female

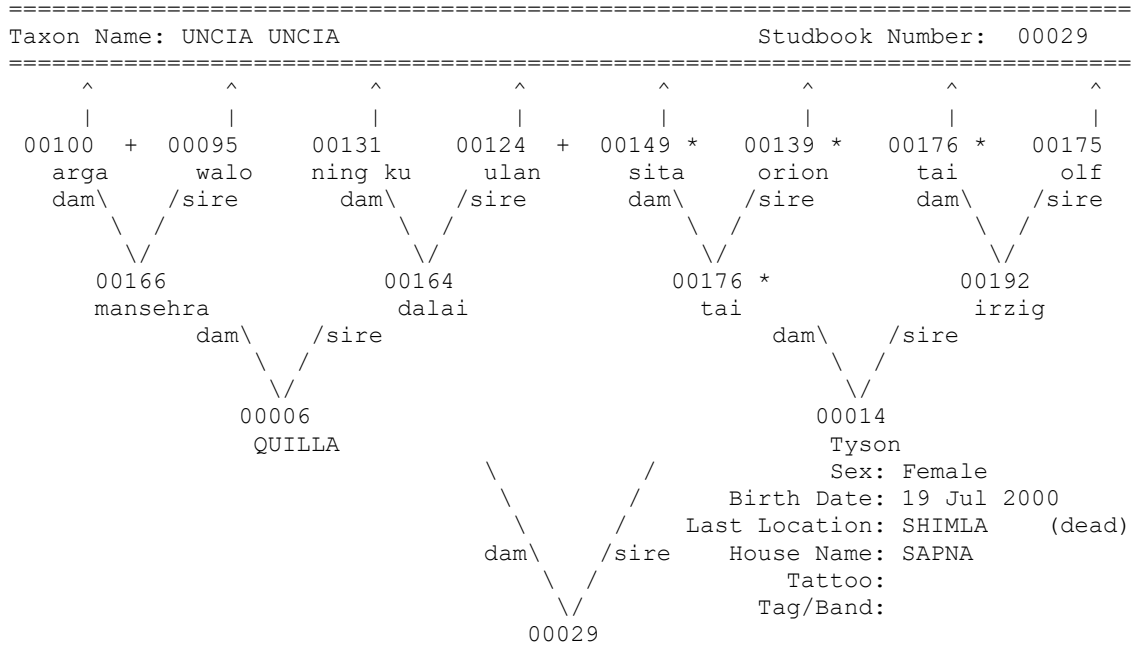
Birth Date: ~ 1997

Last Location: DARJEELIN (dead)

House Name: NEETA

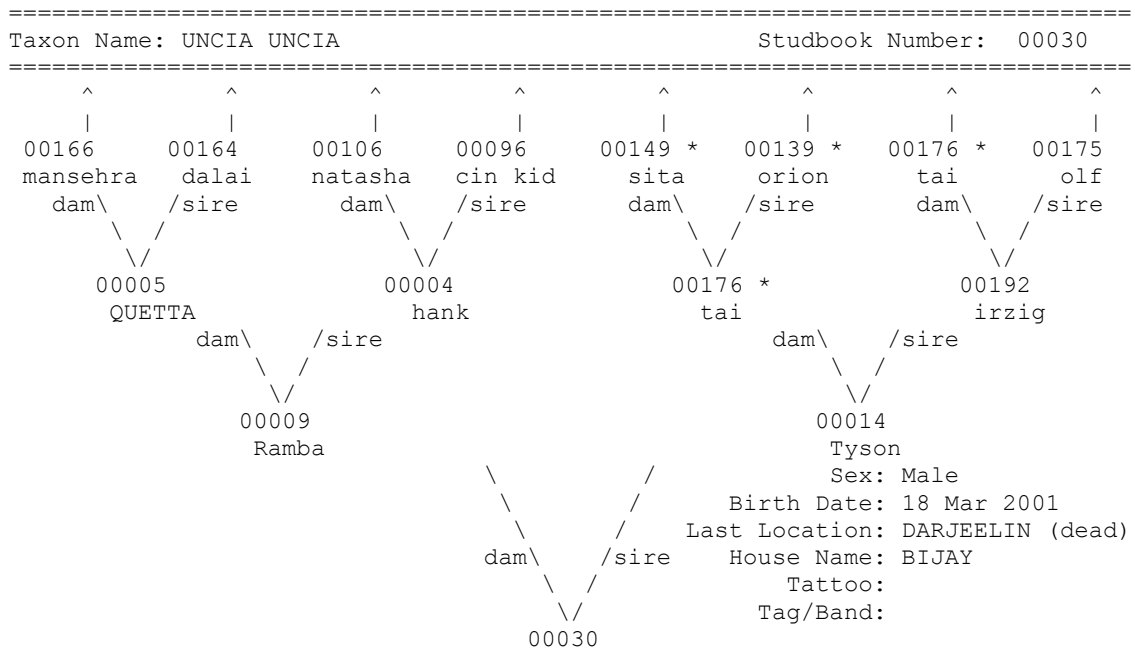
Tattoo:

Tag/Band:



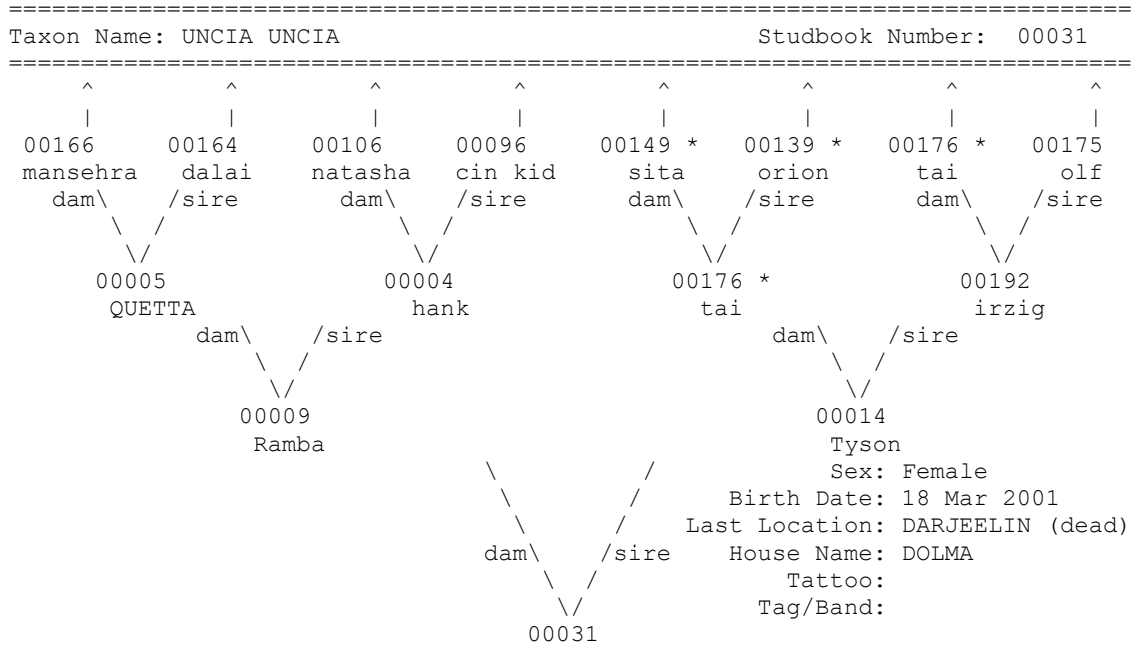
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...



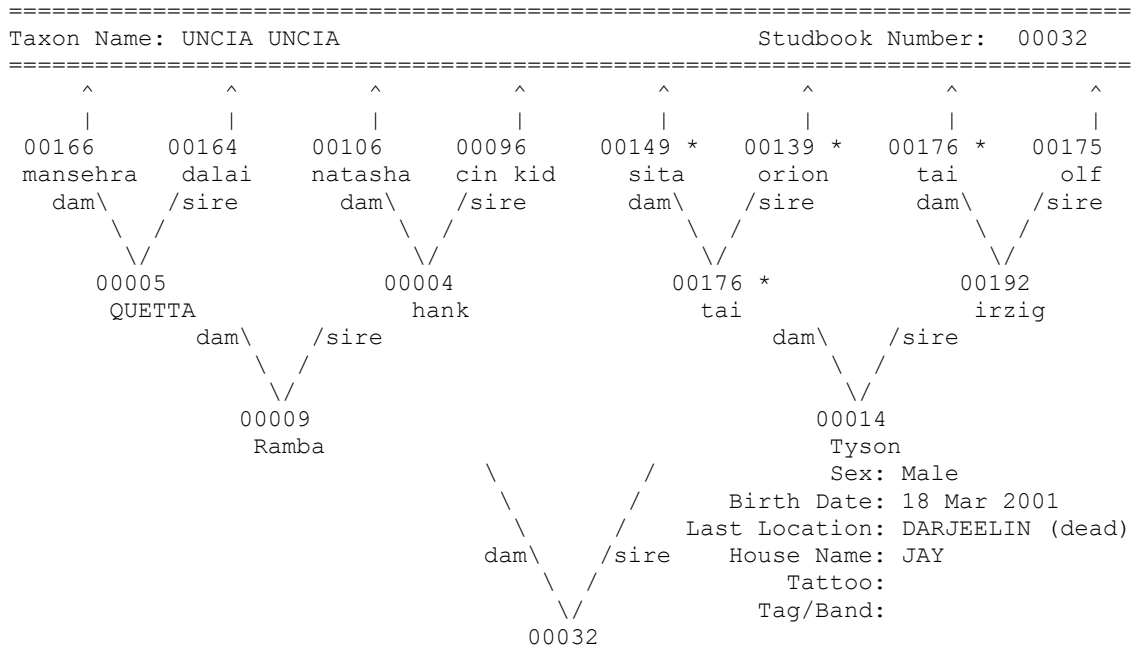
* Appear more than once...

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* Appear more than once...

^ Pedigree continues beyond top of page...



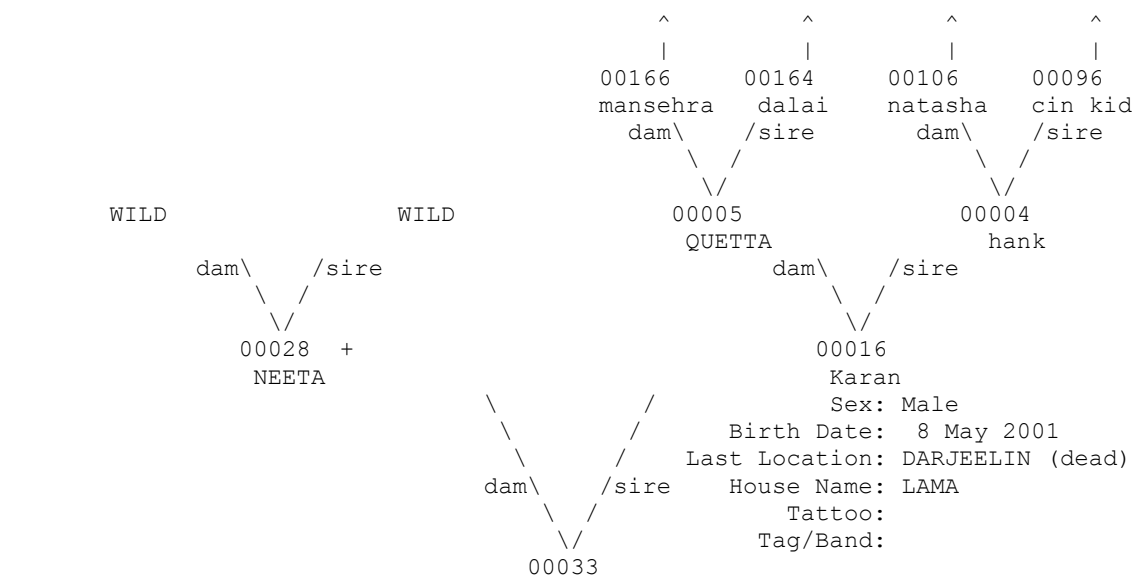
* Appear more than once...

^ Pedigree continues beyond top of page...

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Taxon Name: UNCIA UNCIA Studbook Number: 00033

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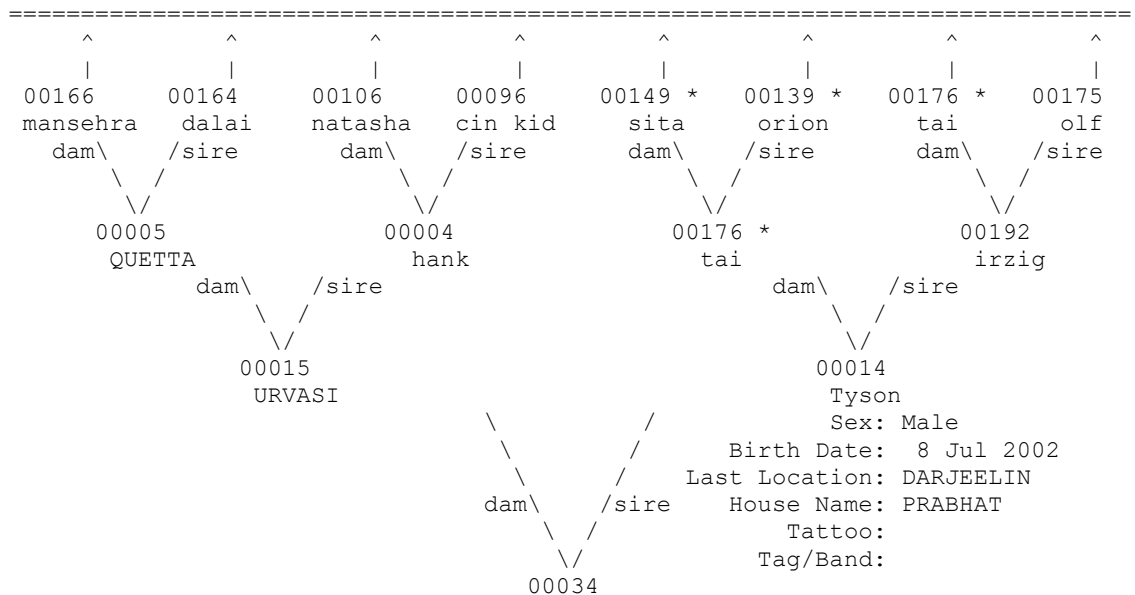
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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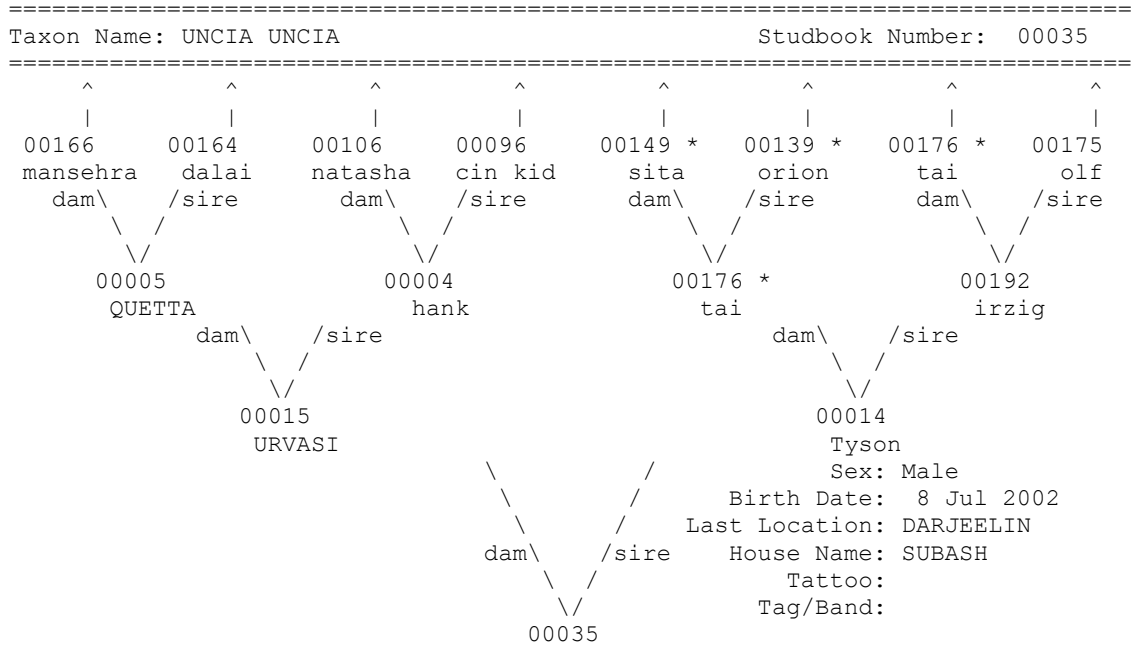
Taxon Name: UNCIA UNCIA Studbook Number: 00034

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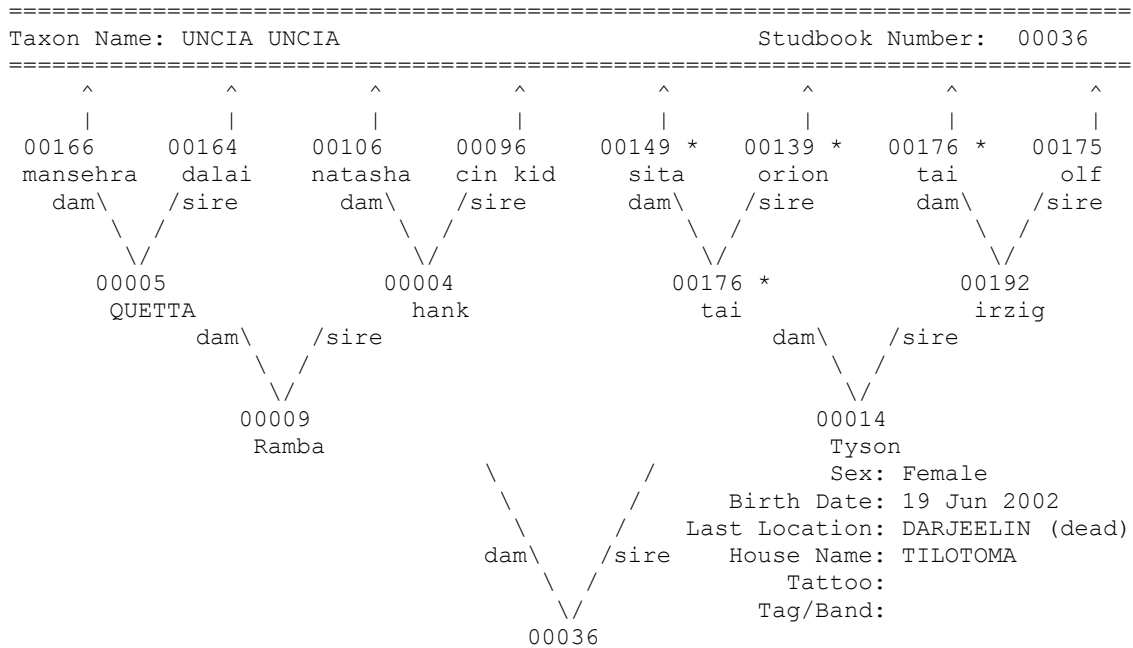
* Appear more than once...

^ Pedigree continues beyond top of page...



* Appear more than once...

^ Pedigree continues beyond top of page...



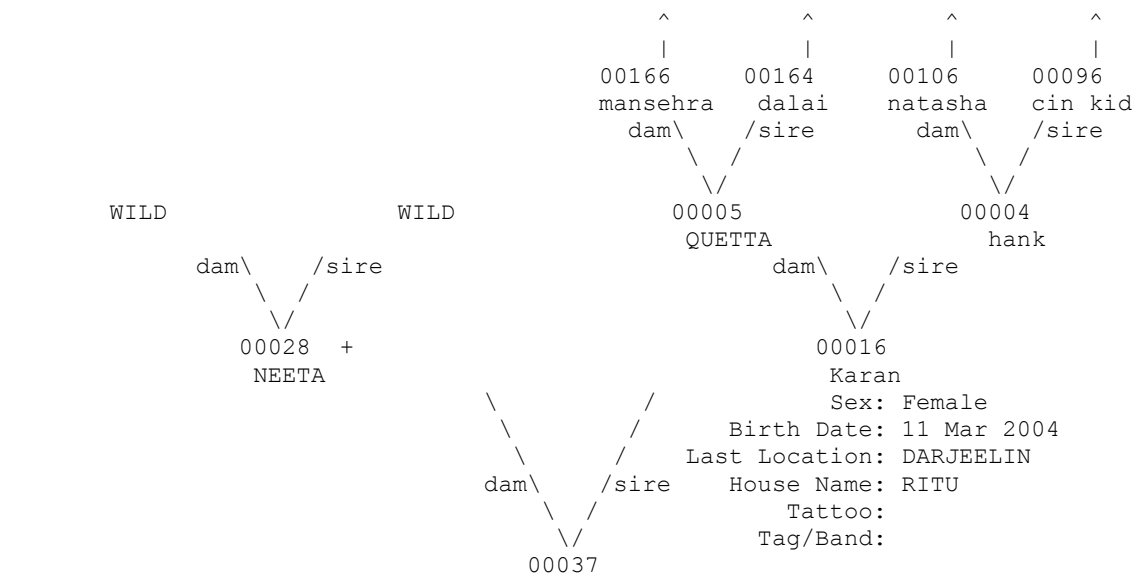
* Appear more than once...

^ Pedigree continues beyond top of page...

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Taxon Name: UNCIA UNCIA Studbook Number: 00037

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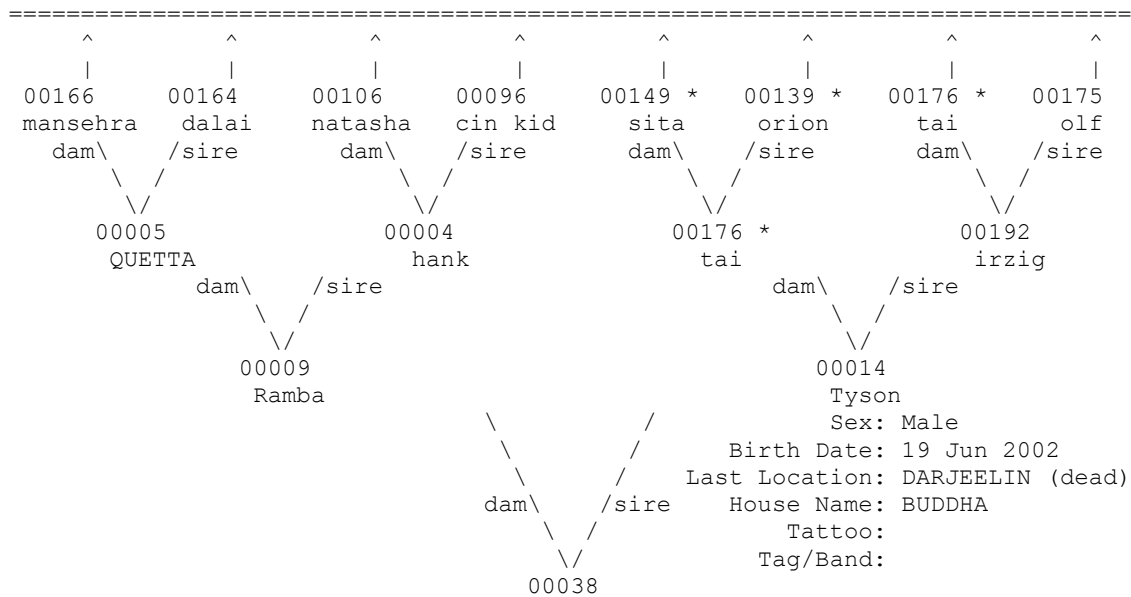
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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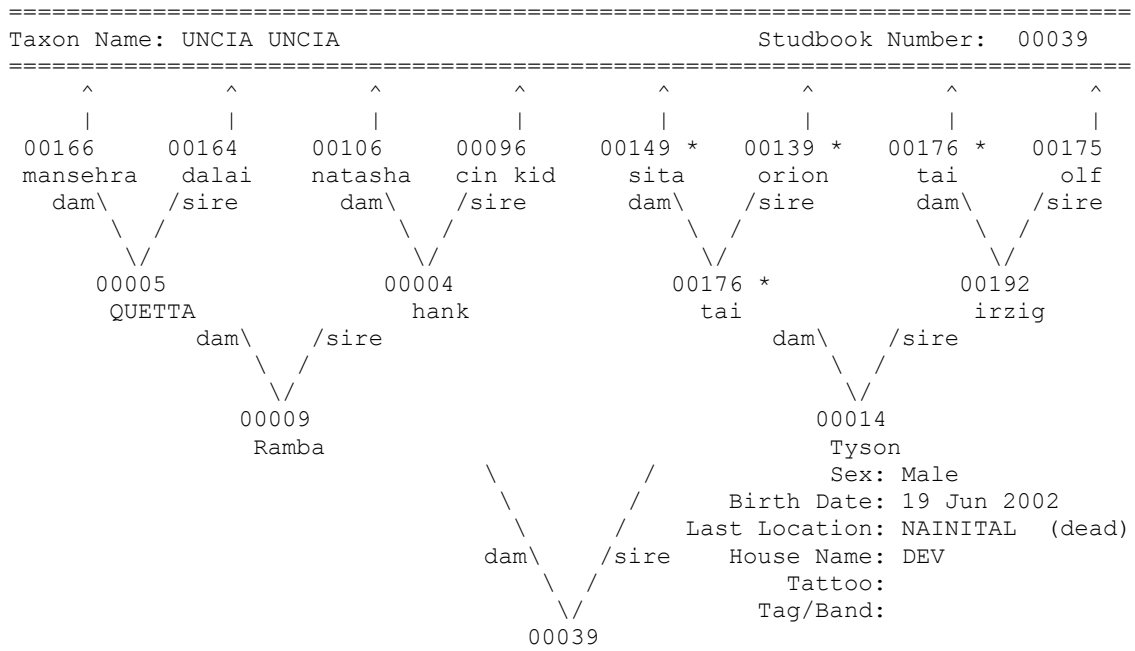
Taxon Name: UNCIA UNCIA Studbook Number: 00038

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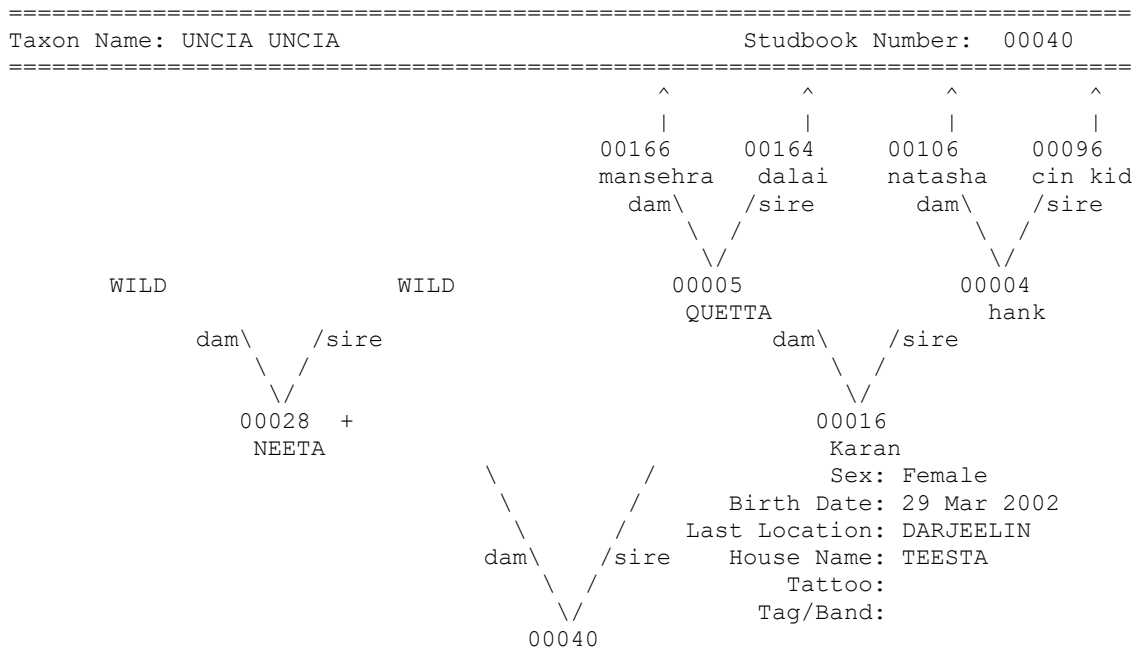
* Appear more than once...

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* Appear more than once...

^ Pedigree continues beyond top of page...



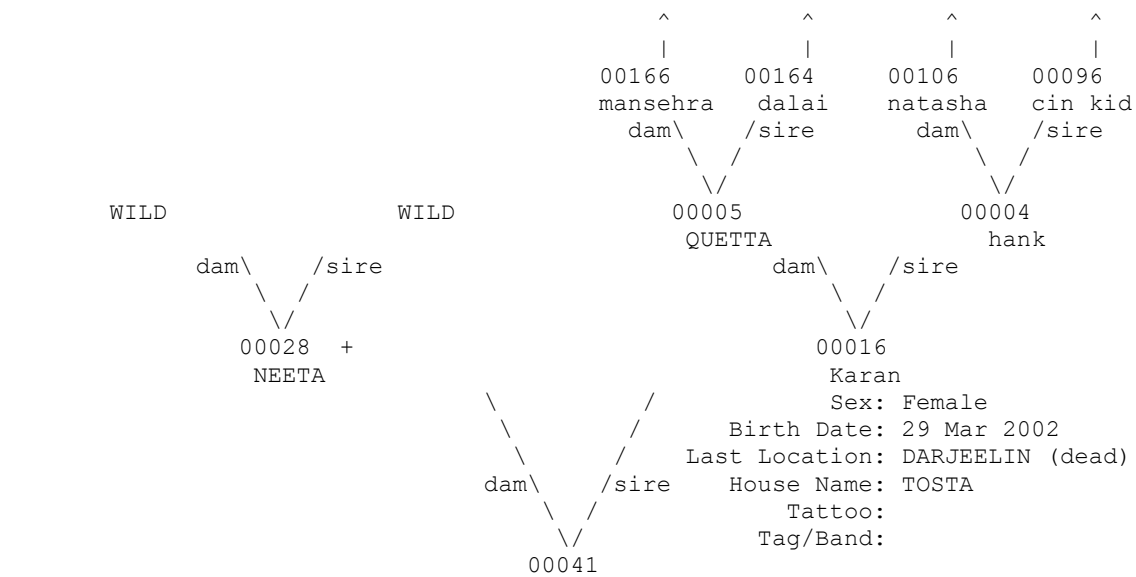
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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Taxon Name: UNCIA UNCIA Studbook Number: 00041

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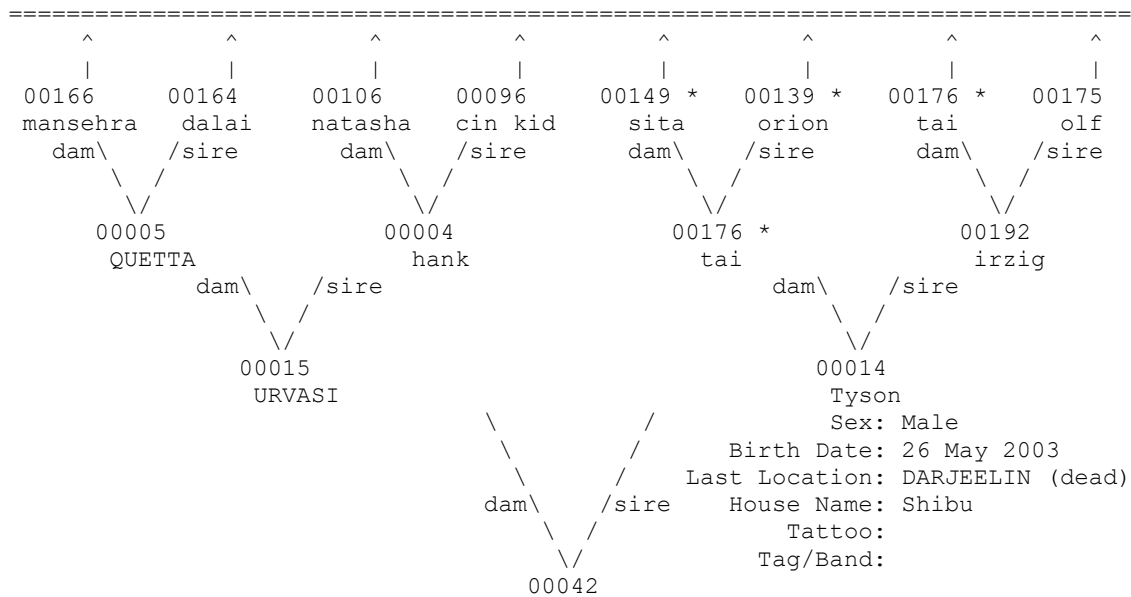
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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Taxon Name: UNCIA UNCIA Studbook Number: 00042

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^ Pedigree continues beyond top of page...

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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00043
=====
      ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |
00166  00164  00106  00096  00149 *  00139 *  00176 *  00175
mansehra dalai natasha cin kid sita orion tai olf
dam\    /sire dam\    /sire dam\    /sire dam\    /sire
  \    /      \    /      \    /      \    /
00005  00004  00176 *  00192
QUETTA hank tai irzig
dam\    /sire dam\    /sire
  \    /      \    /
00009  00014
Ramba Tyson
      Sex: Male
      Birth Date: 25 May 2004
      Last Location: GANGTOK (dead)
      House Name: RABI
      Tattoo:
      Tag/Band:

      dam\    /sire
        \    /
        00043
  
```

* Appear more than once...

^ Pedigree continues beyond top of page...

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00044
=====
      ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |
00166  00164  00106  00096  00149 *  00139 *  00176 *  00175
mansehra dalai natasha cin kid sita orion tai olf
dam\    /sire dam\    /sire dam\    /sire dam\    /sire
  \    /      \    /      \    /      \    /
00005  00004  00176 *  00192
QUETTA hank tai irzig
dam\    /sire dam\    /sire
  \    /      \    /
00009  00014
Ramba Tyson
      Sex: Female
      Birth Date: 25 May 2004
      Last Location: DARJEELIN
      House Name: YASHMIN
      Tattoo:
      Tag/Band:

      dam\    /sire
        \    /
        00044
  
```

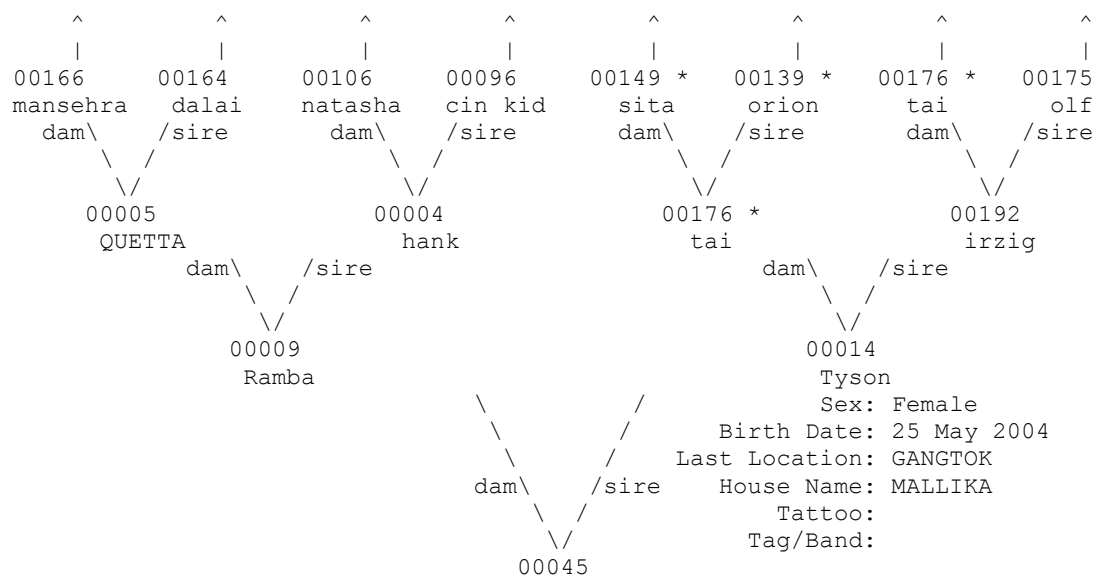
* Appear more than once...

^ Pedigree continues beyond top of page...

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Taxon Name: UNCIA UNCIA Studbook Number: 00045

=====



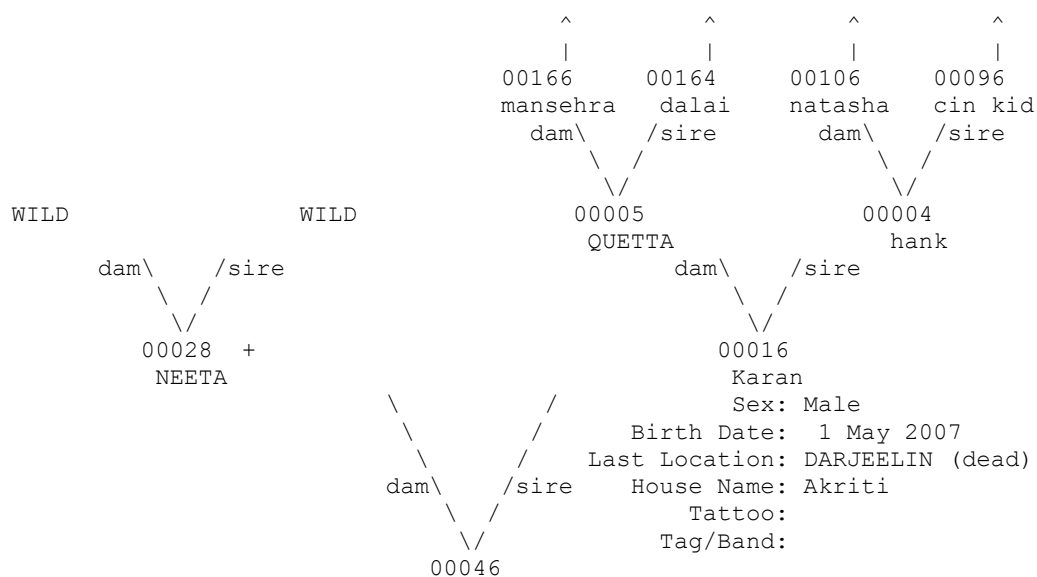
* Appear more than once...

^ Pedigree continues beyond top of page...

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Taxon Name: UNCIA UNCIA Studbook Number: 00046

=====



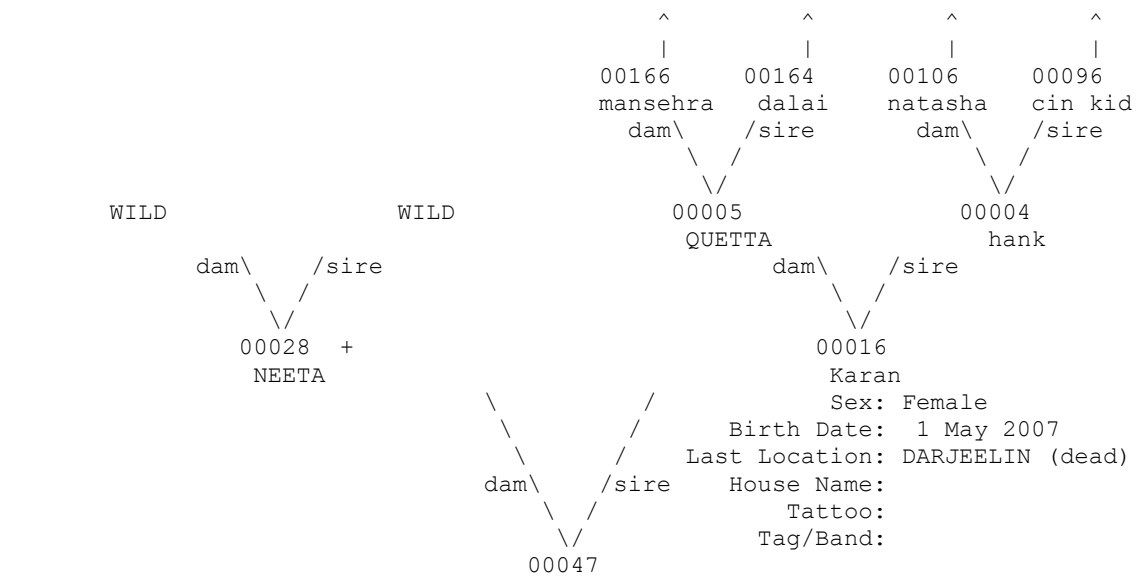
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00047

=====



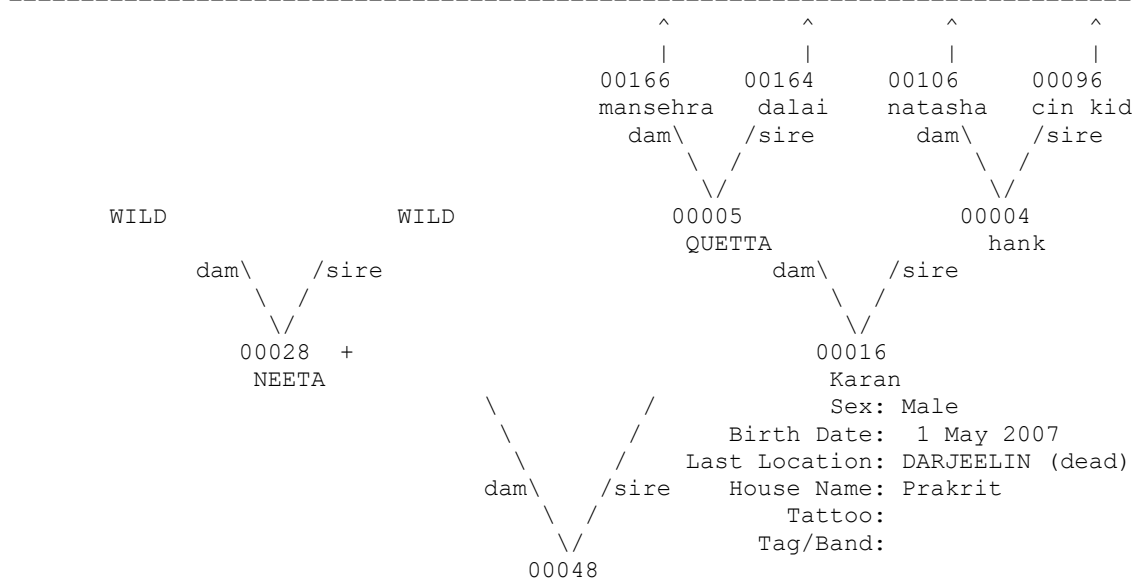
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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Taxon Name: UNCIA UNCIA Studbook Number: 00048

=====



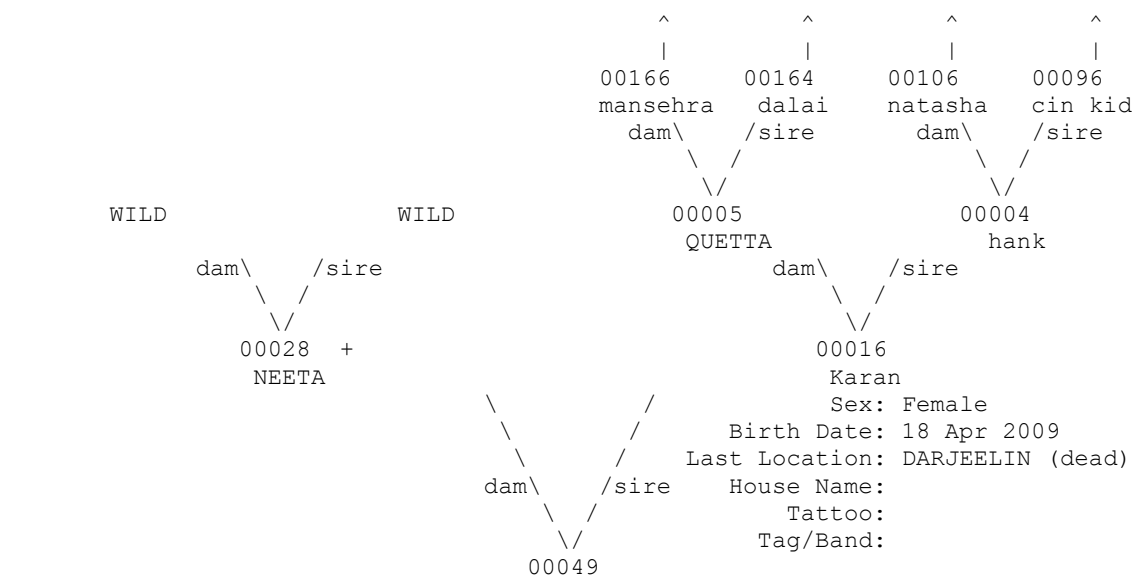
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00049

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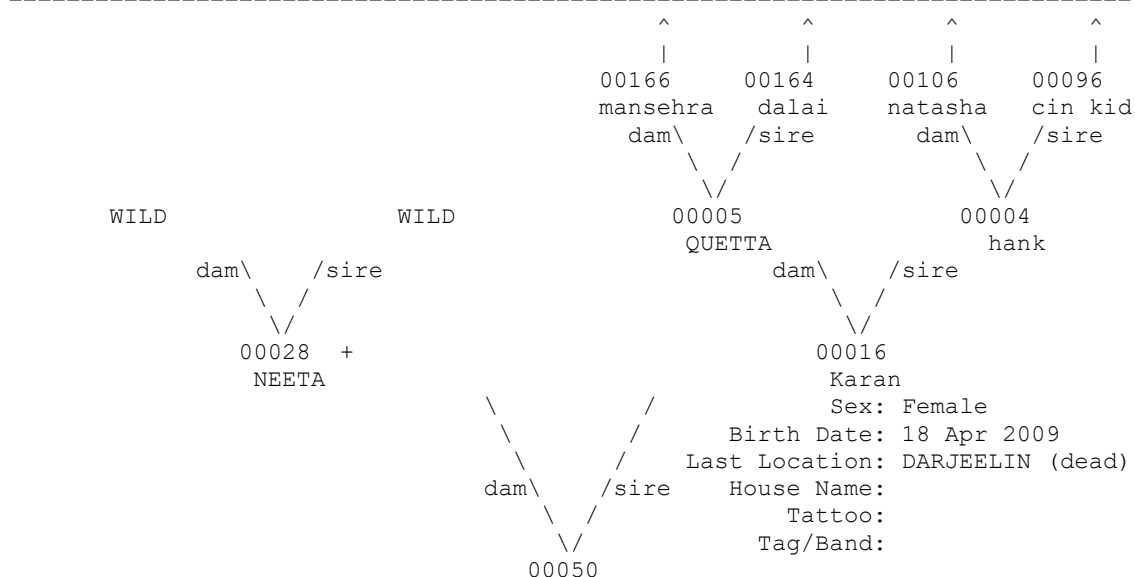
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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Taxon Name: UNCIA UNCIA Studbook Number: 00050

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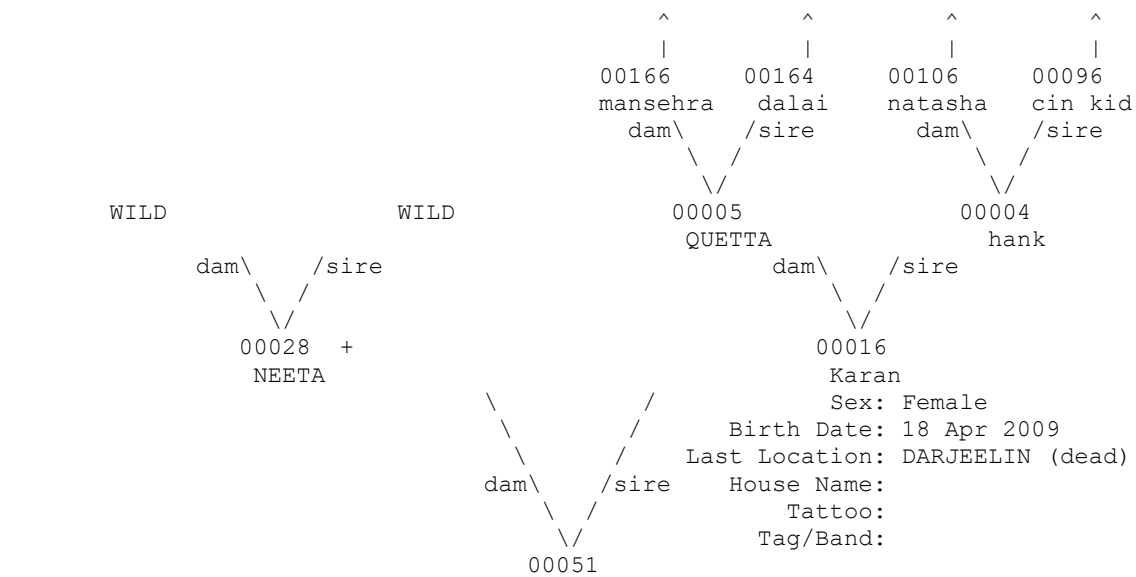


+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

Taxon Name: UNCIA UNCIA

Studbook Number: 00051

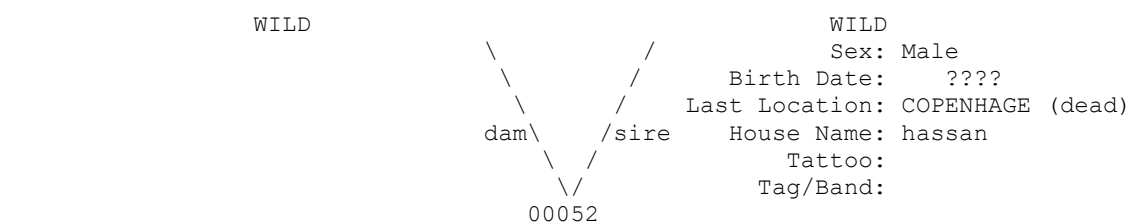


+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

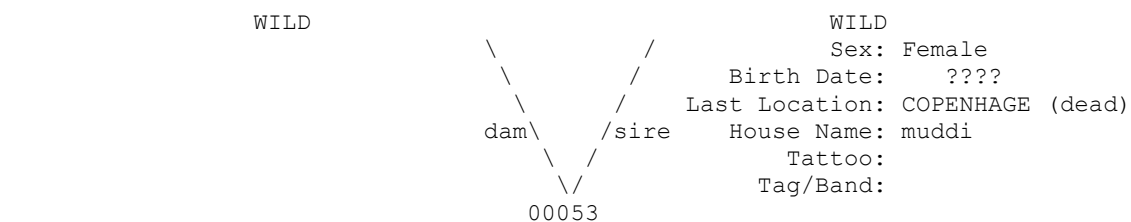
Taxon Name: UNCIA UNCIA

Studbook Number: 00052



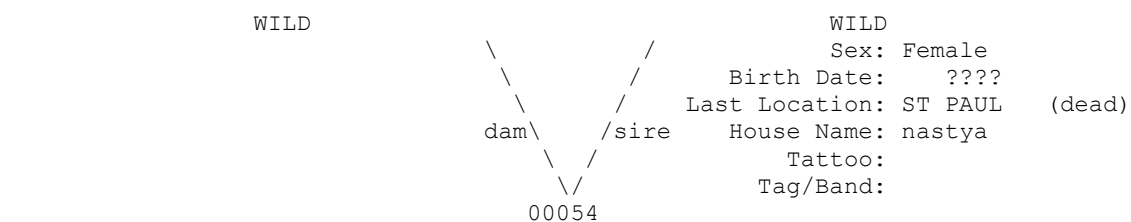
Taxon Name: UNCIA UNCIA

Studbook Number: 00053



Taxon Name: UNCIA UNCIA

Studbook Number: 00054



Taxon Name: UNCIA UNCIA

Studbook Number: 00055

```

=====
WILD                                WILD                                WILD                                WILD
dam\                               /sire                                dam\                               /sire
  \                               /                                00053  +                                00052  +
   \                             /                                muddi                                hassan
    \                           /                                Sex: Male
     \                         /                                Birth Date: 22 May 1958
      \                       /                                Last Location: CHICAGOLP (dead)
       \                     /                                House Name: walter
        \                   /                                Tattoo:
         \                 /                                Tag/Band:
          \               /
           \             /
            \           /
             \         /
              \       /
               \     /
                \   /
                 \ /
                  V
                00055
=====
+ Wild-caught...
=====

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00056

```

=====
WILD                                WILD
                                dam\                               /sire
                                00056
=====
                                Sex: Male
                                Birth Date: ???
                                Last Location: SAN FRAN (dead)
                                House Name:
                                Tattoo:
                                Tag/Band:
=====

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00057

```

=====
WILD                                WILD
                                dam\                               /sire
                                00057
=====
                                Sex: Male
                                Birth Date: ???
                                Last Location: ARNHEM (dead)
                                House Name: iwan
                                Tattoo:
                                Tag/Band:
=====

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00058

```

=====
WILD                                WILD                                WILD                                WILD
dam\                               /sire                                dam\                               /sire
  \                               /                                00053  +                                00052  +
   \                             /                                muddi                                hassan
    \                           /                                Sex: Male
     \                         /                                Birth Date: 19 May 1959
      \                       /                                Last Location: ST LOUIS (dead)
       \                     /                                House Name:
        \                   /                                Tattoo:
         \                 /                                Tag/Band:
          \               /
           \             /
            \           /
             \         /
              \       /
               \     /
                \   /
                 \ /
                  V
                00058
=====
+ Wild-caught...
=====

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00059

```

=====
WILD                                WILD                                WILD                                WILD
dam\                               /sire                                dam\                               /sire
  \                               /                                  \                               /
00053 +                               00052 +
muddi                               hassan
                                   Sex: Female
                                   Birth Date: 19 May 1959
                                   Last Location: ST LOUIS (dead)
                                   House Name:
                                   Tattoo:
                                   Tag/Band:
+ Wild-caught...                                00059
=====

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00060

```

=====
WILD                                WILD
                                   Sex: Male
                                   Birth Date:
                                   Last Location: CINCINNAT (dead)
                                   House Name:
                                   Tattoo:
                                   Tag/Band:
+ Wild-caught...                                00060
=====

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00061

```

=====
WILD                                WILD                                WILD                                WILD
dam\                               /sire                                dam\                               /sire
  \                               /                                  \                               /
00053 +                               00052 +
muddi                               hassan
                                   Sex: Male
                                   Birth Date: 29 May 1960
                                   Last Location: NY BRONX (dead)
                                   House Name: bowser
                                   Tattoo:
                                   Tag/Band:
+ Wild-caught...                                00061
=====

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00062

```

=====
WILD                                WILD
                                   Sex: Female
                                   Birth Date: ~ 1961
                                   Last Location: OKLAHOMA (dead)
                                   House Name: tanya
                                   Tattoo:
                                   Tag/Band:
+ Wild-caught...                                00062
=====

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00063

```

=====
WILD                                WILD
                                   Sex: Female
                                   Birth Date:
                                   Last Location: CINCINNAT (dead)
                                   House Name: tanya
                                   Tattoo:
                                   Tag/Band:
+ Wild-caught...                                00063
=====

```

NATIONAL STUDBOOK OF SNOW LEOPARD (*PANTHERA UNCIA*) – III EDITION

Taxon Name: UNCIA UNCIA

Studbook Number: 00064

WILD

WILD

dam \ /
 sire
 00064

Sex: Female
Birth Date: ~ 1962
Last Location: KREFELD (dead)
House Name: nuschka
Tattoo:
Tag/Band:

Taxon Name: UNCIA UNCIA

Studbook Number: 00065

WILD

WILD

dam \ /
 sire
 00065

Sex: Female
Birth Date: ????
Last Location: CHICAGOLP (dead)
House Name:
Tattoo:
Tag/Band:

Taxon Name: UNCIA UNCIA

Studbook Number: 00066

WILD

WILD

dam \ /
 sire
 00066

Sex: Female
Birth Date: ????
Last Location: HELSINKI (dead)
House Name: vilma
Tattoo:
Tag/Band:

Taxon Name: UNCIA UNCIA

Studbook Number: 00067

WILD

WILD

dam \ /
 sire
 00067

Sex: Female
Birth Date: ????
Last Location: SAN FRAN (dead)
House Name: caterina
Tattoo:
Tag/Band:

Taxon Name: UNCIA UNCIA

Studbook Number: 00068

WILD

WILD

dam \ /
 sire
 00068

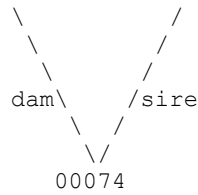
Sex: Male
Birth Date: ????
Last Location: HELSINKI (dead)
House Name: ville
Tattoo:
Tag/Band:

NATIONAL STUDBOOK OF SNOW LEOPARD (*PANTHERA UNCIA*) – III EDITION

Taxon Name: UNCIA UNCIA

Studbook Number: 00074

WILD

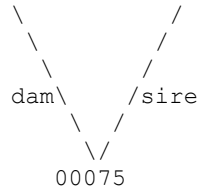
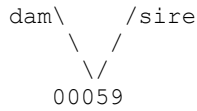
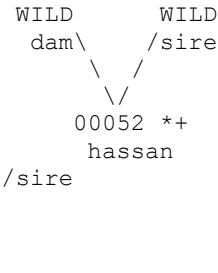
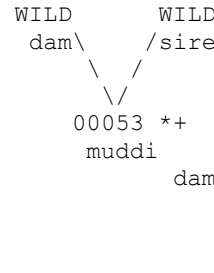
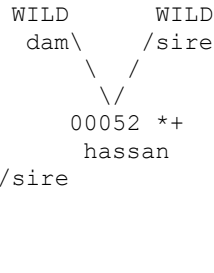
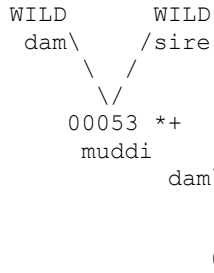


WILD

Sex: Male
Birth Date: ????
Last Location: LOSANGELE (dead)
House Name:
Tattoo:
Tag/Band:

Taxon Name: UNCIA UNCIA

Studbook Number: 00075



Sex: Male
Birth Date: 6 May 1967
Last Location: OKLAHOMA (dead)
House Name: chumbi
Tattoo:
Tag/Band:

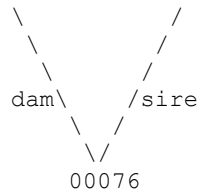
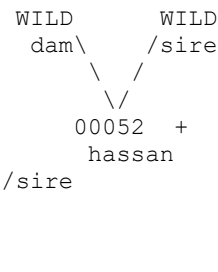
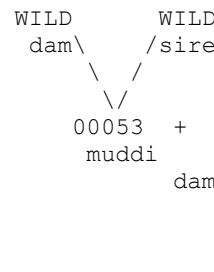
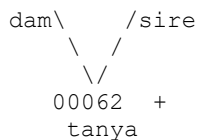
+ Wild-caught... * Appear more than once...

Taxon Name: UNCIA UNCIA

Studbook Number: 00076

WILD

WILD



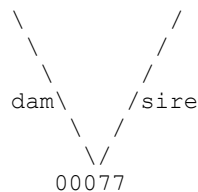
Sex: Female
Birth Date: 27 Jul 1967
Last Location: OKLAHOMA (dead)
House Name: cleo
Tattoo:
Tag/Band:

+ Wild-caught...

Taxon Name: UNCIA UNCIA

Studbook Number: 00077

WILD



WILD

Sex: Male
Birth Date: ~ 1968
Last Location: SOUTHBEND (dead)
House Name: boris
Tattoo:
Tag/Band:

=====

Taxon Name: UNCIA UNCIA

=====

Studbook Number: 00078

=====

WILD

dam\ /sire
 \
 00064 +
 nuschka

WILD

dam\ /sire
 \
 00078

WILD

dam\ /sire
 \
 00057 +
 iwan

WILD

Sex: Male
Birth Date: 26 May 1968
Last Location: KREFELD (dead)
House Name: ilkka
Tattoo:
Tag/Band:

+ Wild-caught...

=====

Taxon Name: UNCIA UNCIA

=====

Studbook Number: 00079

=====

WILD

dam\ /sire
 \
 00066 +
 vilma

WILD

dam\ /sire
 \
 00079

WILD

dam\ /sire
 \
 00068 +
 ville

WILD

Sex: Female
Birth Date: 10 Aug 1968
Last Location: HELSINKI (dead)
House Name: vikky
Tattoo:
Tag/Band:

+ Wild-caught...

=====

Taxon Name: UNCIA UNCIA

=====

Studbook Number: 00080

=====

WILD

dam\ /sire
 \
 00066 +
 vilma

WILD

dam\ /sire
 \
 00080

WILD

dam\ /sire
 \
 00068 +
 ville

WILD

Sex: Female
Birth Date: 10 Aug 1968
Last Location: MARWELL (dead)
House Name: vikku
Tattoo:
Tag/Band:

+ Wild-caught...

=====

Taxon Name: UNCIA UNCIA

=====

Studbook Number: 00081

=====

WILD

dam\ /sire
 \
 00081

WILD

Sex: Female
Birth Date: ~ 1969
Last Location: SAN ANTON (dead)
House Name: crystal
Tattoo:
Tag/Band:

NATIONAL STUDBOOK OF SNOW LEOPARD (*PANTHERA UNCIA*) – III EDITION

Taxon Name: UNCIA UNCIA

Studbook Number: 00086

```

WILD
dam\      /sire
  \      /
   00065 +

WILD
dam\      /sire
  \      /
   00053 +
   muddi

WILD
dam\      /sire
  \      /
   00052 +
   hassan

WILD
dam\      /sire
  \      /
   00055
   walter
   Sex: Female
   Birth Date: 11 Jun 1969
   Last Location: CHICAGOLP (dead)
   House Name: big head
   Tattoo:
   Tag/Band:

+ Wild-caught...
dam\      /sire
  \      /
   00086

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00087

```

WILD
      \  /
      \ /  \ /
      dam sire
      \  /
      \/
      00087

WILD
Sex: Female
Birth Date: ~ 1971
Last Location: ZURICH (dead)
House Name: andra
Tattoo:
Tag/Band:

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00088

```

WILD
      \  /
      dam sire
      \  /
      00088

```

```

WILD
Sex: Female
Birth Date: ~ 1971
Last Location: MUNICH (dead)
House Name:
Tattoo:
Tag/Band:

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00089

```

WILD                                WILD                                WILD                                WILD
dam\                                /sire                                dam\                                /sire
 \  \                                /  /                                \  \                                /  /
  00066 +                                00068 +
   vilma                                ville
                                         Sex: Female
                                         Birth Date: 29 Apr 1971
                                         Last Location: HELSINKI (dead)
                                         House Name: venla
                                         Tattoo:
                                         Tag/Band:
+ Wild-caught...                                \  \                                /  /
                                         dam\                                /sire
                                         \  \                                /  /
                                         00089

```

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00090

=====

WILD	dam\	/sire	WILD	WILD	dam\	/sire	WILD
	\	/			\	/	
	00066	+			00068	+	
	vilma				ville		
					Sex: Male		
					Birth Date: 29 Apr 1971		
					Last Location: CHICAGOLP (dead)		
					House Name: snowman		
					Tattoo:		
					Tag/Band:		

+ Wild-caught...

00090

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00091

=====

WILD	dam\	/sire	WILD	WILD	dam\	/sire	WILD
	\	/			\	/	
	00067	+			00056	+	
	caterina						
					Sex: Male		
					Birth Date: 30 Apr 1971		
					Last Location: NEWPORNEW (dead)		
					House Name: davis		
					Tattoo:		
					Tag/Band:		

+ Wild-caught...

00091

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00092

=====

WILD	dam\	/sire	WILD	WILD	dam\	/sire	WILD
	\	/			\	/	
	00071	+			00074	+	
	snowflak						
					Sex: Female		
					Birth Date: 13 May 1971		
					Last Location: LOSANGELE (dead)		
					House Name: natasha		
					Tattoo:		
					Tag/Band:		

+ Wild-caught...

00092

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00093

=====

WILD	WILD
	Sex: Male
	Birth Date: ~ 1972
	Last Location: ST PETERS
	House Name: arstan
	Tattoo:
	Tag/Band:

00093

=====

Taxon Name: UNCIA UNCIA

=====

Studbook Number: 00094

=====

WILD

WILD

dam\ /
 \ /
 dam\ /sire
 \ /
 00094

Sex: Female
Birth Date: ~ 1972
Last Location: ST PETERS (dead)
House Name: tora
Tattoo:
Tag/Band:

=====

Taxon Name: UNCIA UNCIA

=====

Studbook Number: 00095

=====

WILD
dam\

WILD
/sire

WILD
dam\

WILD
/sire

00066 +
vilma

dam\ /sire
 \ /
 00079
vikky

00068 *+
ville

WILD

WILD

dam\ /sire
 \ /
 00068 *+
ville

Sex: Male
Birth Date: 2 May 1972
Last Location: ZURICH (dead)
House Name: walo
Tattoo:
Tag/Band:

dam\ /sire
 \ /
 00095

+ Wild-caught... * Appear more than once...

=====

Taxon Name: UNCIA UNCIA

=====

Studbook Number: 00096

=====

WILD

WILD

WILD

WILD

dam\ /sire
 \ /
 00063 +
tanya

dam\ /sire
 \ /
 00060 +

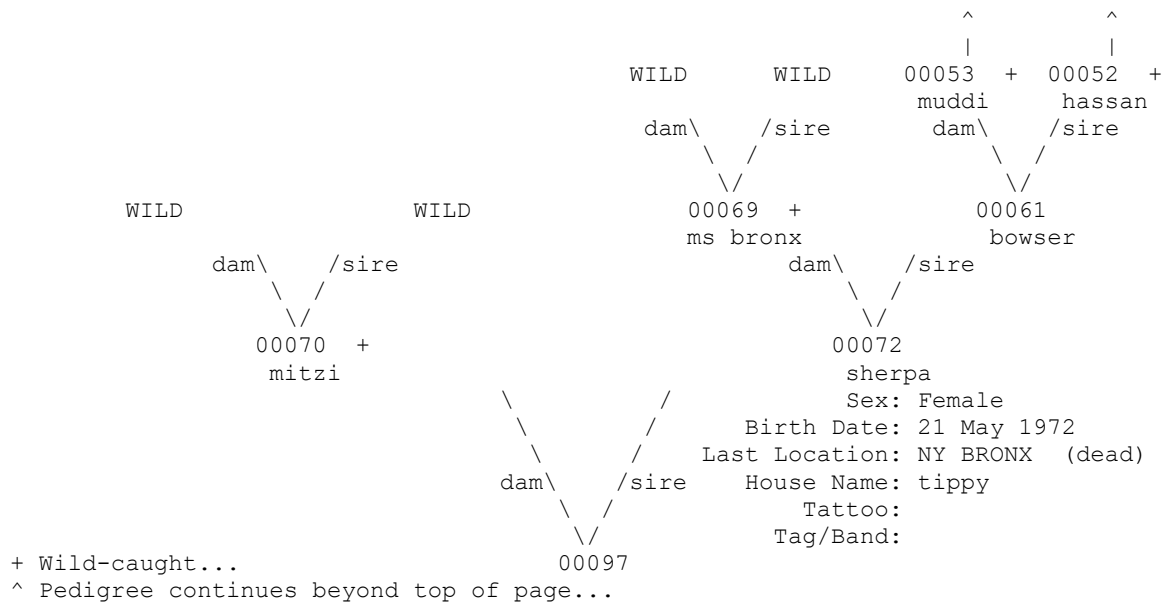
dam\ /sire
 \ /
 00096

Sex: Male
Birth Date: 12 May 1972
Last Location: LITTLEROC (dead)
House Name: cin kid
Tattoo:
Tag/Band:

+ Wild-caught...

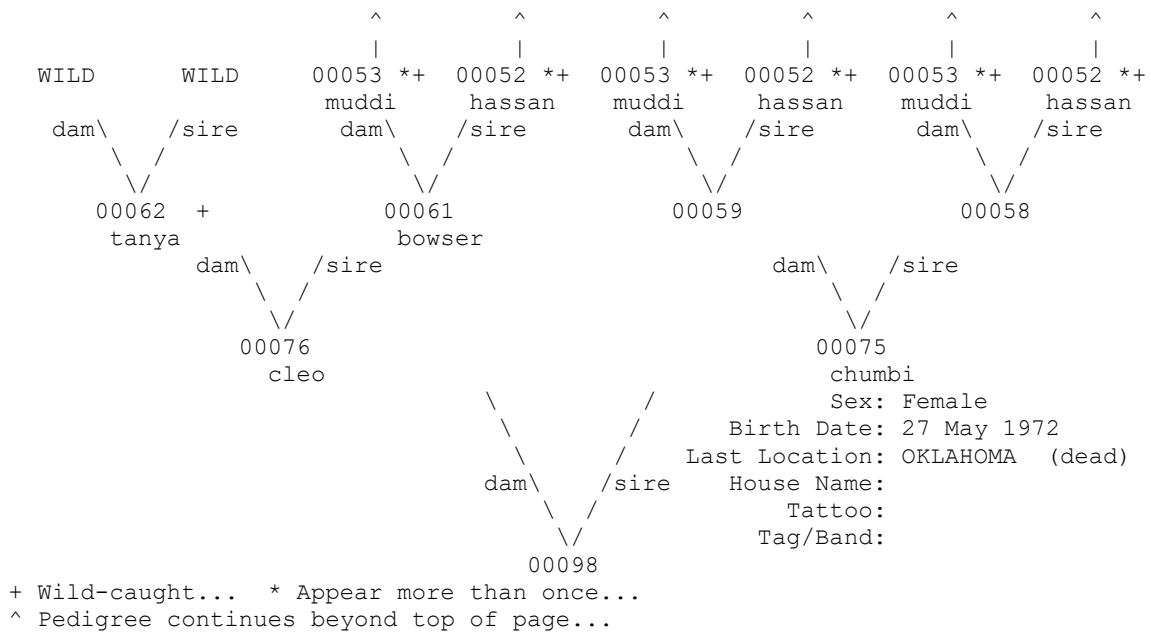
Taxon Name: UNCIA UNCIA

Studbook Number: 00097



Taxon Name: UNCIA UNCIA

Studbook Number: 00098



NATIONAL STUDBOOK OF SNOW LEOPARD (*PANTHERA UNCIA*) – III EDITION

Taxon Name: UNCIA UNCIA

Studbook Number: 00099

```

WILD
dam\      /sire
  \      /
   \    /
    \  /
     \/
    00065  +

WILD
dam\      /sire
  \      /
   \    /
    \  /
     \/
    00053  +
    muddi

WILD
dam\      /sire
  \      /
   \    /
    \  /
     \/
    00052  +
    hassan

WILD
dam\      /sire
  \      /
   \    /
    \  /
     \/
    00055
    walter
    Sex: Male
    Birth Date: 10 Jun 1972
    Last Location: HELSINKI (dead)
    House Name: charlie
    Tattoo:
    Tag/Band:

WILD
dam\      /sire
  \      /
   \    /
    \  /
     \/
    00099

+ Wild-caught...

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00100

```

WILD
      \  \      /  /
      dam\    /sire
          \  /
          00100
WILD
Sex: Female
Birth Date: ~ 1973
Last Location: ZURICH (dead)
House Name: arga
Tattoo:
Tag/Band:

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00101

```

WILD
      \  /
      \| /
dam \| / sire
      \| /
      00101
WILD
Sex: Female
Birth Date:     ???
Last Location:  NOVOSIBRK (dead)
House Name:
Tattoo:
Tag/Band:

```

Taxon Name: UNCIA UNCIA

Studbook Number: 00102

```

WILD                                WILD                                WILD                                WILD
dam\                                /sire                                dam\                                /sire
 \  \                                /  /                                \  \                                /  /
  00066 +                               00068 +
   vilma                               ville
                                         Sex: Female
                                         Birth Date: 14 May 1973
                                         Last Location: CENTERHIL (dead)
                                         House Name: vuokko
                                         Tattoo:
                                         Tag/Band:
+ Wild-caught...                                \  \                                /  /
                                                dam\                                /sire
                                                 \  \                                /  /
                                                  00102

```

```
Taxon Name: UNCIA      UNCIA                               Studbook Number:   00103
```

```
                WILD                                WILD                                WILD                                WILD
```

```
              dam\    /sire                      dam\    /sire                      dam\    /sire                      dam\    /sire
```

```
                 \  /                             \  /                             \  /                             \  /
```

```
                  VV                              VV                              VV                              VV
```

```
               00066 +                          00068 +                           ville                            Sex: Female
```

```
               vilma                                         Birth Date: 14 May 1973
```

```
                                     Last Location: LYMPNE             (dead)
```

```
                                   House Name: valpuri
```

```
                                    Tattoo:
```

```
                                   Tag/Band:
```

```
+ Wild-caught...                                           00103
```

```
=====
```

Taxon Name:	UNCIA UNCIA		Studbook Number:	00104
=====				

WILD		WILD		WILD		WILD	
dam\ /sire				dam\ /sire			
\ /\				\ /\			
00066 +				00068 +			
vilma				ville			
		\ /\		Sex: Female			
		dam\ /sire		Birth Date: 14 May 1973			
		\ /\		Last Location: KREFELD (dead)			
		00104		House Name: vivi			
				Tattoo:			
				Tag/Band:			

+ Wild-caught...

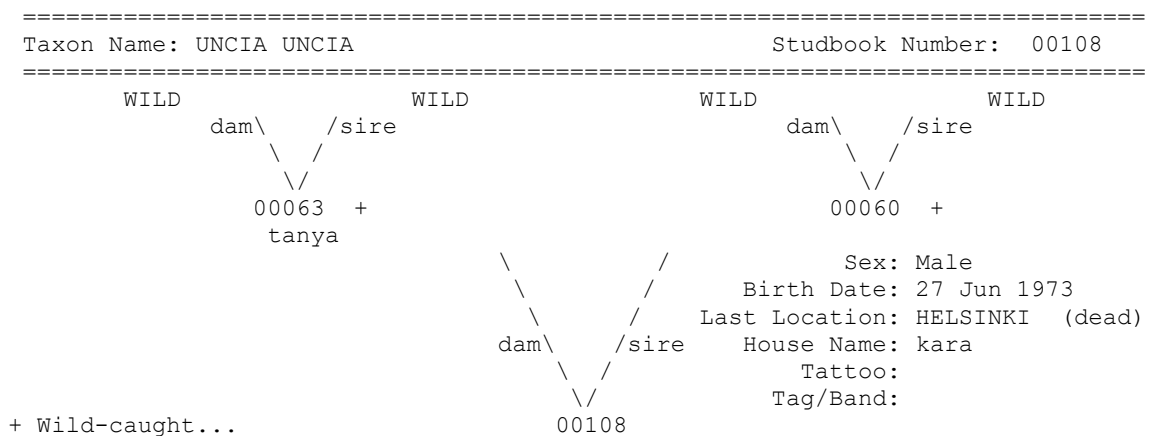
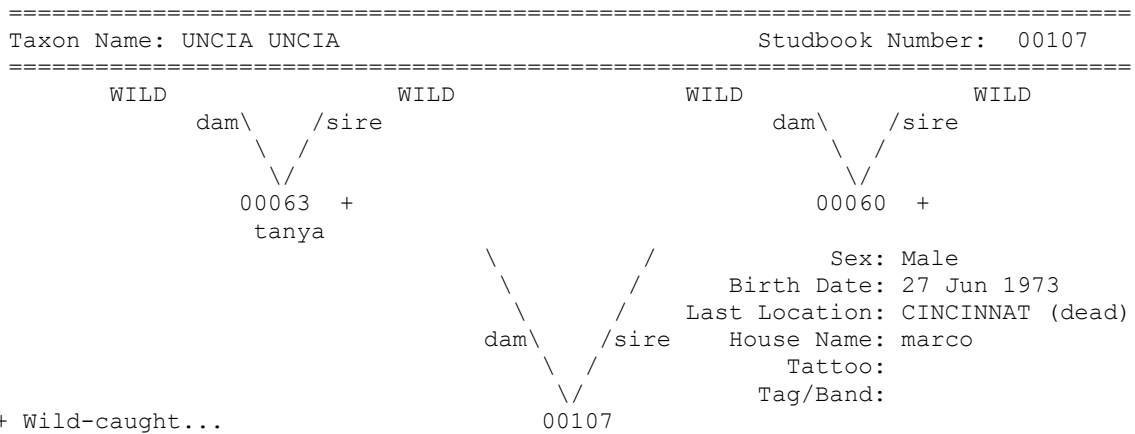
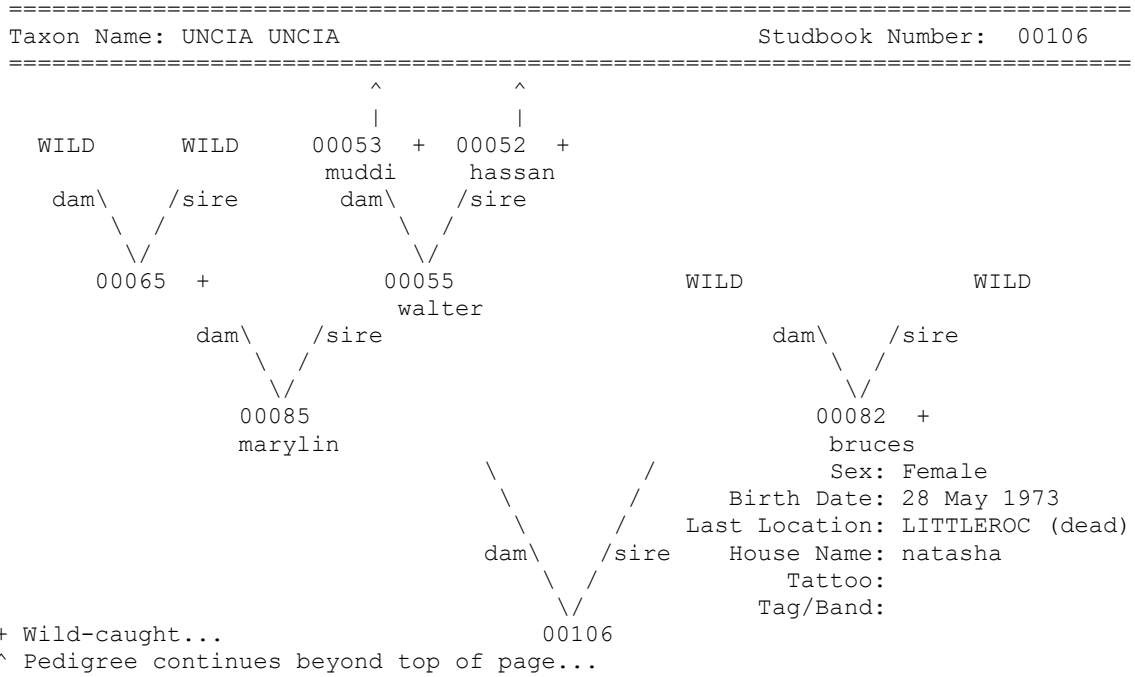
```
=====
Taxon Name: UNCIA UNCIA                                Studbook Number: 00105
=====
```

WILD WILD 00053 + 00052 +
dam\ muddi hassan
/sire dam\ /sire
00065 + 00055
dam\ walter
/sire
00086
big head

WILD WILD
dam\ /sire
00082 +
bruces
Sex: Female
Birth Date: 20 May 1973
Last Location: CLEVELAND (dead)
House Name: anastasia
Tattoo:
Tag/Band:

dam\ /sire
00105

+ Wild-caught...
^ Pedigree continues beyond top of page...



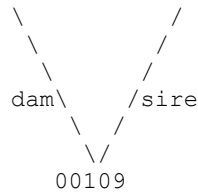
NATIONAL STUDBOOK OF SNOW LEOPARD (*PANTHERA UNCIA*) – III EDITION

Taxon Name: UNCIA UNCIA

Studbook Number: 00109

WILD

WILD



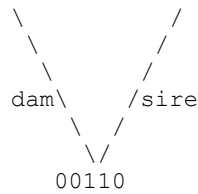
Sex: Female
 Birth Date: ~ 1974
 Last Location: MOSCOW (dead)
 House Name: ili
 Tattoo:
 Tag/Band:

Taxon Name: UNCIA UNCIA

Studbook Number: 00110

WILD

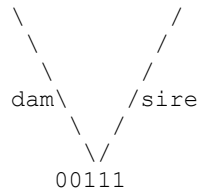
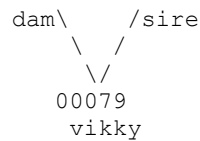
WILD



Sex: Male
 Birth Date: ????
 Last Location: NOVOSIBRK (dead)
 House Name: argus
 Tattoo:
 Tag/Band:

Taxon Name: UNCIA UNCIA

Studbook Number: 00111

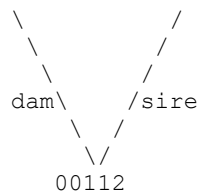
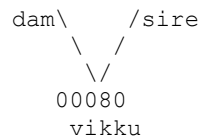


WILD WILD
 dam\ /sire
 \ /
 00068 *+
 ville
 Sex: Female
 Birth Date: 20 Apr 1974
 Last Location: KREFELD (dead)
 House Name: valma
 Tattoo:
 Tag/Band:

+ Wild-caught... * Appear more than once...

Taxon Name: UNCIA UNCIA

Studbook Number: 00112



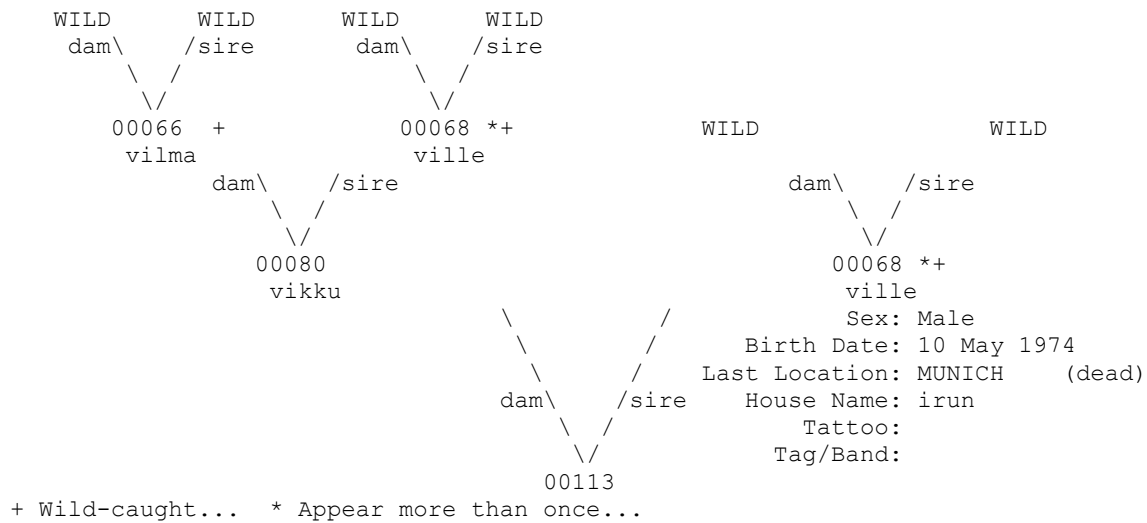
WILD WILD
 dam\ /sire
 \ /
 00068 *+
 ville
 Sex: Female
 Birth Date: 10 May 1974
 Last Location: SAN ANTON (dead)
 House Name: ilka
 Tattoo:
 Tag/Band:

+ Wild-caught... * Appear more than once...

NATIONAL STUDBOOK OF SNOW LEOPARD (*PANTHERA UNCIA*) – III EDITION

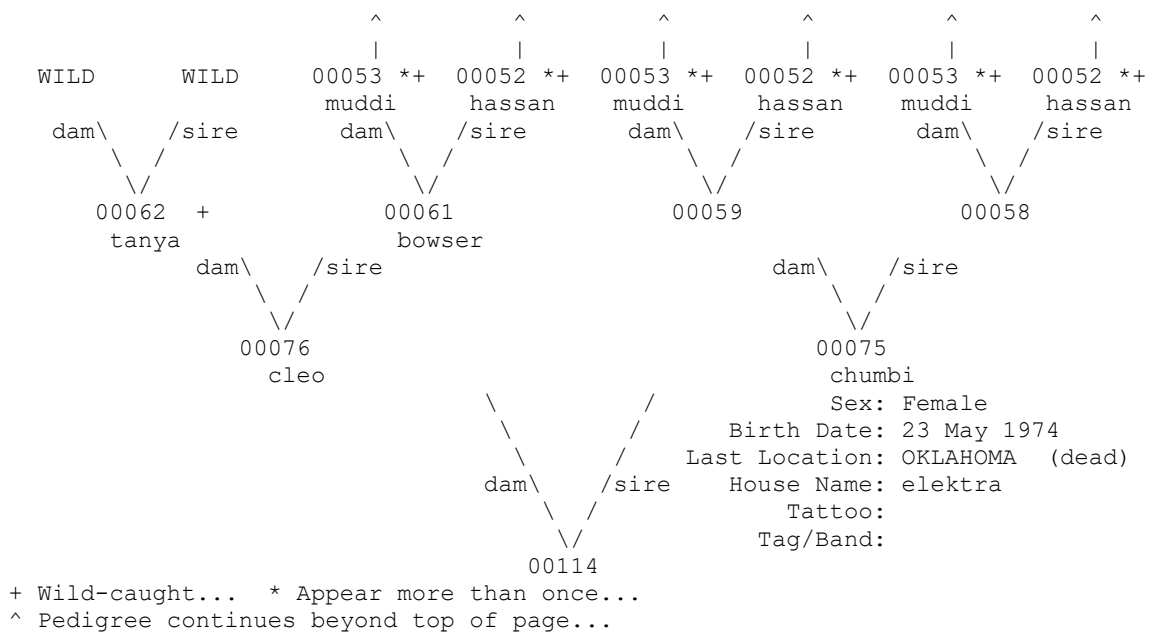
Taxon Name: UNCIA UNCIA

Studbook Number: 00113



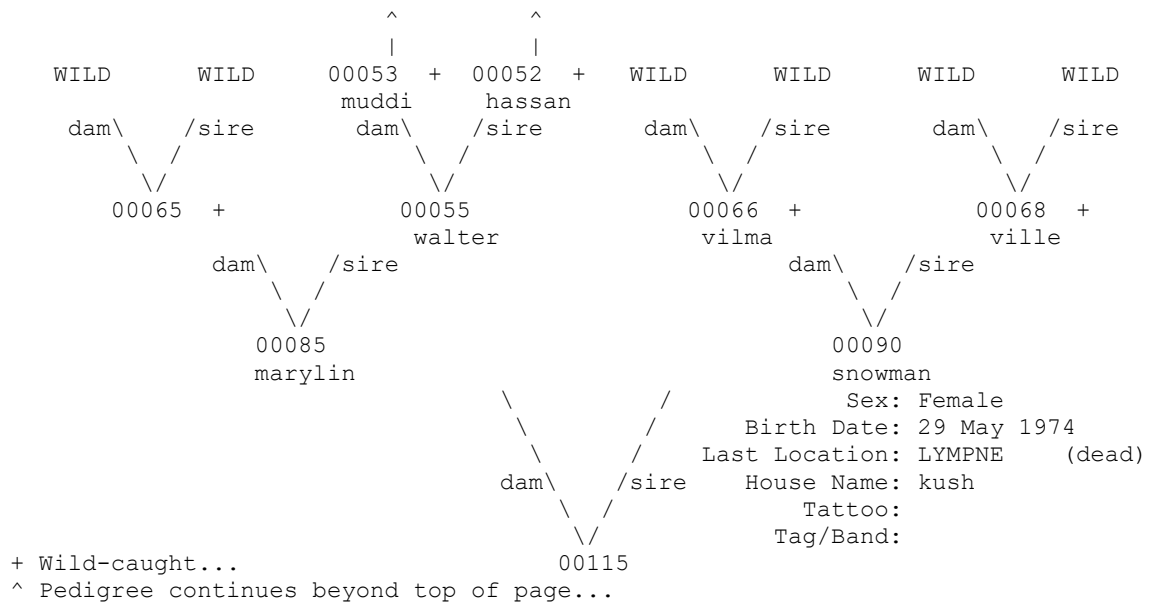
Taxon Name: UNCIA UNCIA

Studbook Number: 00114



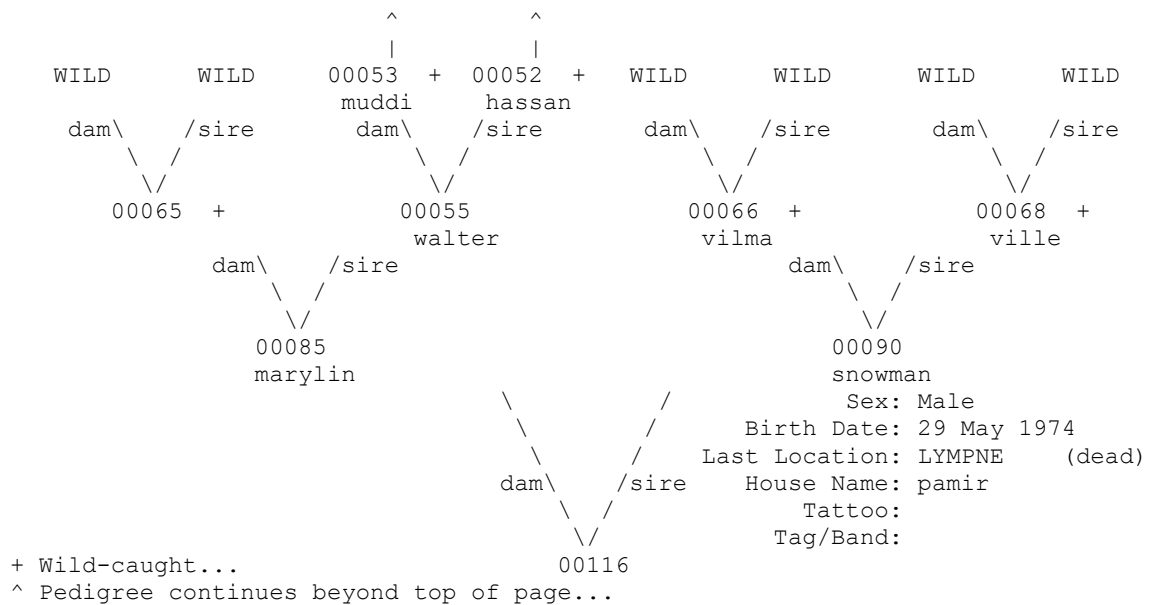
Taxon Name: UNCIA UNCIA

Studbook Number: 00115



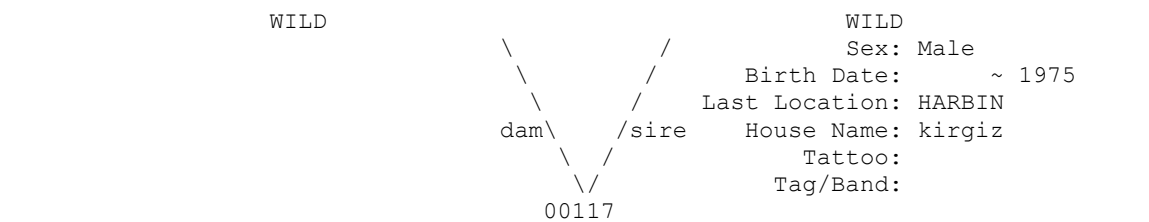
Taxon Name: UNCIA UNCIA

Studbook Number: 00116



Taxon Name: UNCIA UNCIA

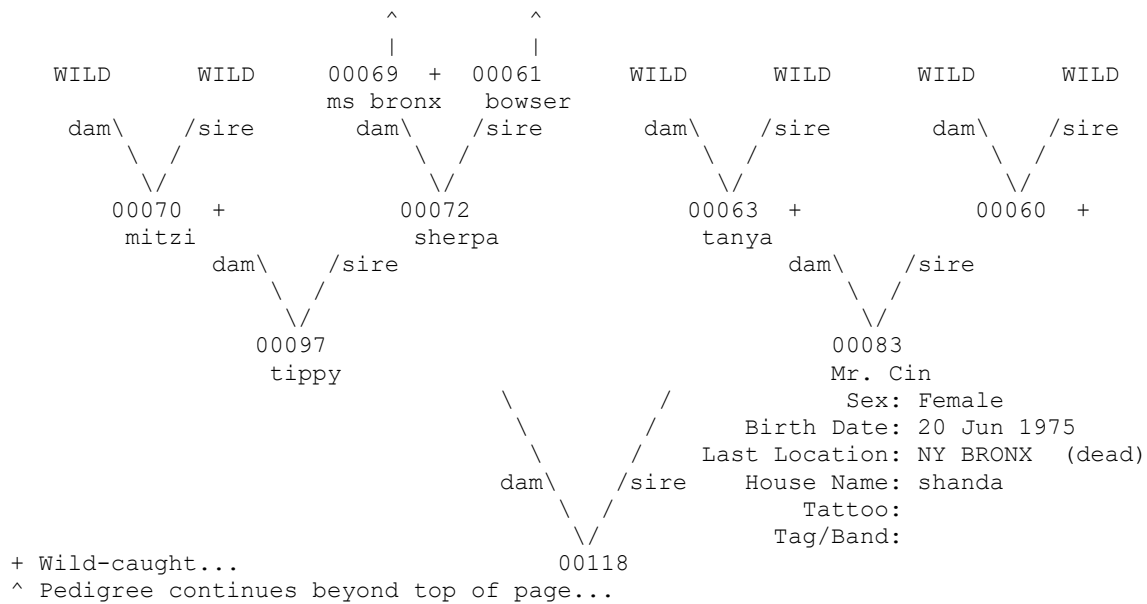
Studbook Number: 00117



NATIONAL STUDBOOK OF SNOW LEOPARD (*PANTHERA UNCIA*) – III EDITION

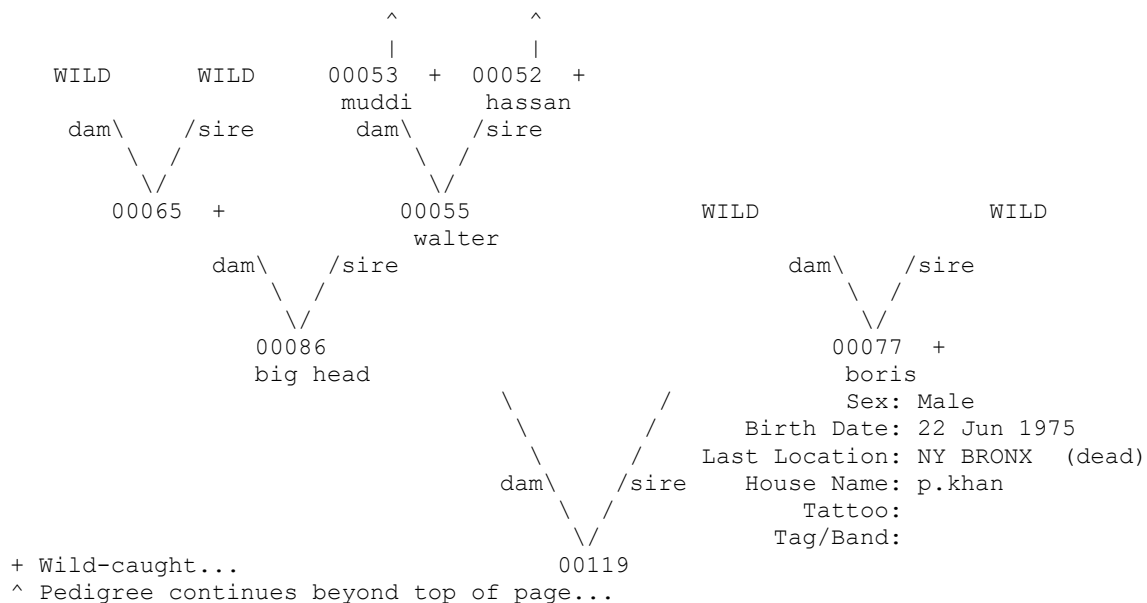
Taxon Name: UNCIA UNCIA

Studbook Number: 00118



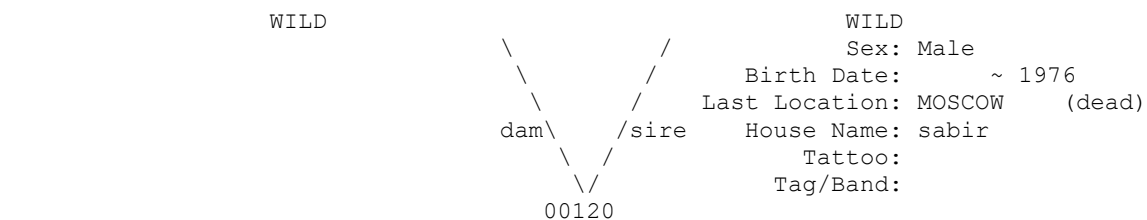
Taxon Name: UNCIA UNCIA

Studbook Number: 00119



Taxon Name: UNCIA UNCIA

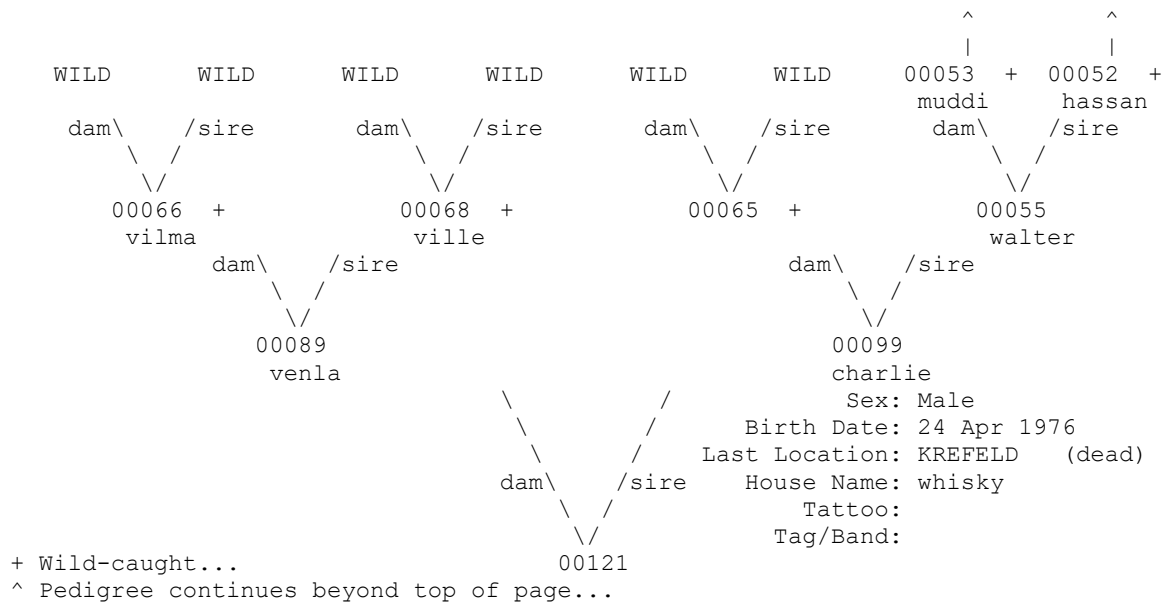
Studbook Number: 00120



NATIONAL STUDBOOK OF SNOW LEOPARD (*PANTHERA UNCIA*) – III EDITION

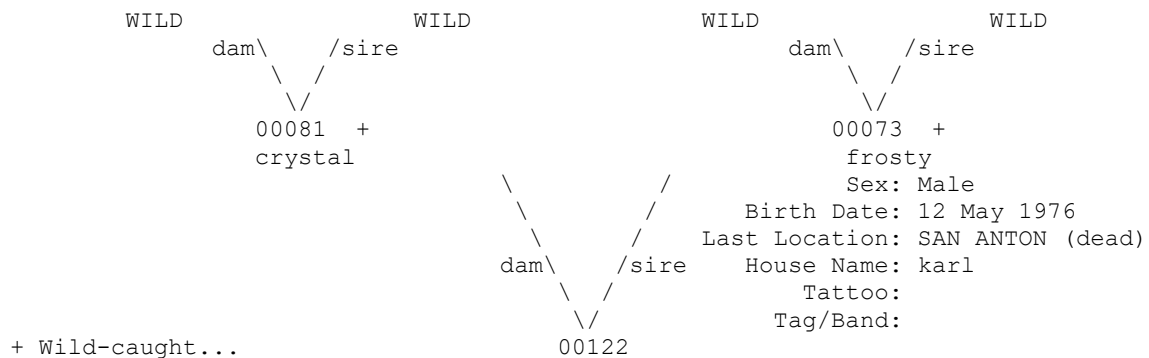
Taxon Name: UNCIA UNCIA

Studbook Number: 00121



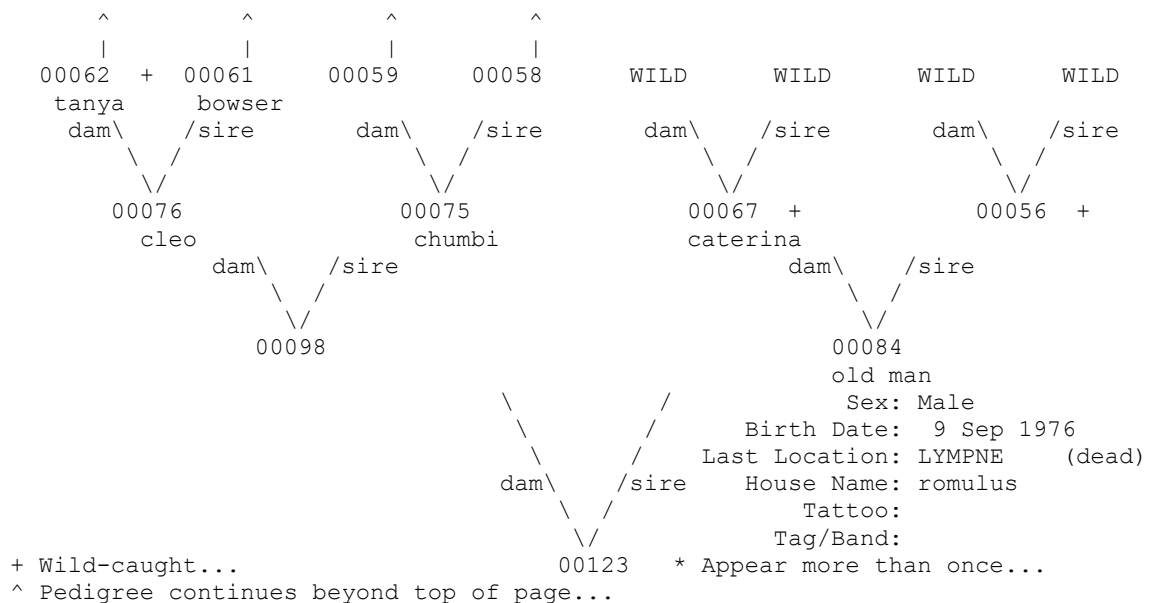
Taxon Name: UNCIA UNCIA

Studbook Number: 00122



Taxon Name: UNCIA UNCIA

Studbook Number: 00123

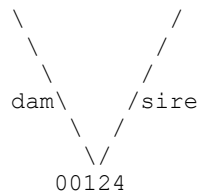


Taxon Name: UNCIA UNCIA

Studbook Number: 00124

WILD

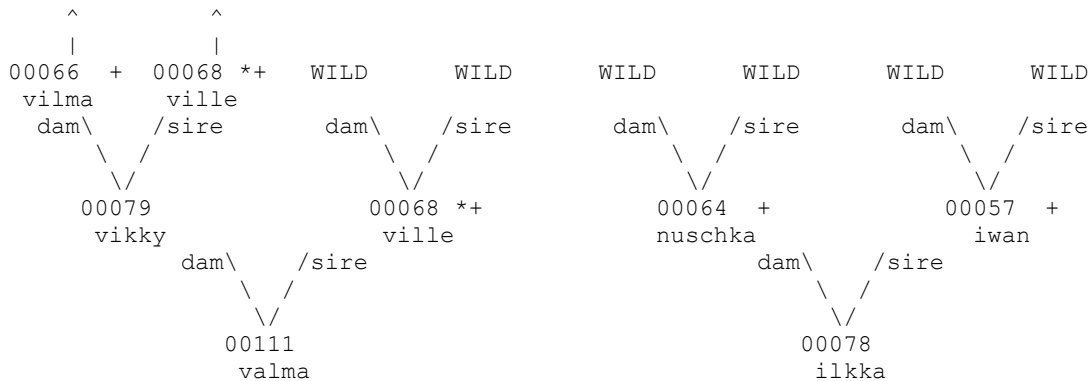
WILD



Sex: Male
Birth Date: ~ 1977
Last Location: HELSINKI (dead)
House Name: ulan
Tattoo:
Tag/Band:

Taxon Name: UNCIA UNCIA

Studbook Number: 00125

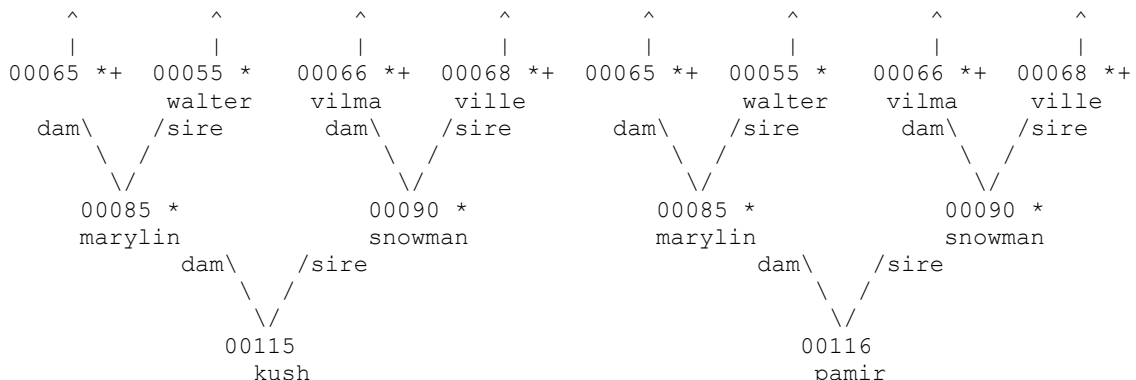


Sex: Female
Birth Date: 29 Apr 1977
Last Location: KREFELD (dead)
House Name: irina
Tattoo:
Tag/Band:

+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...

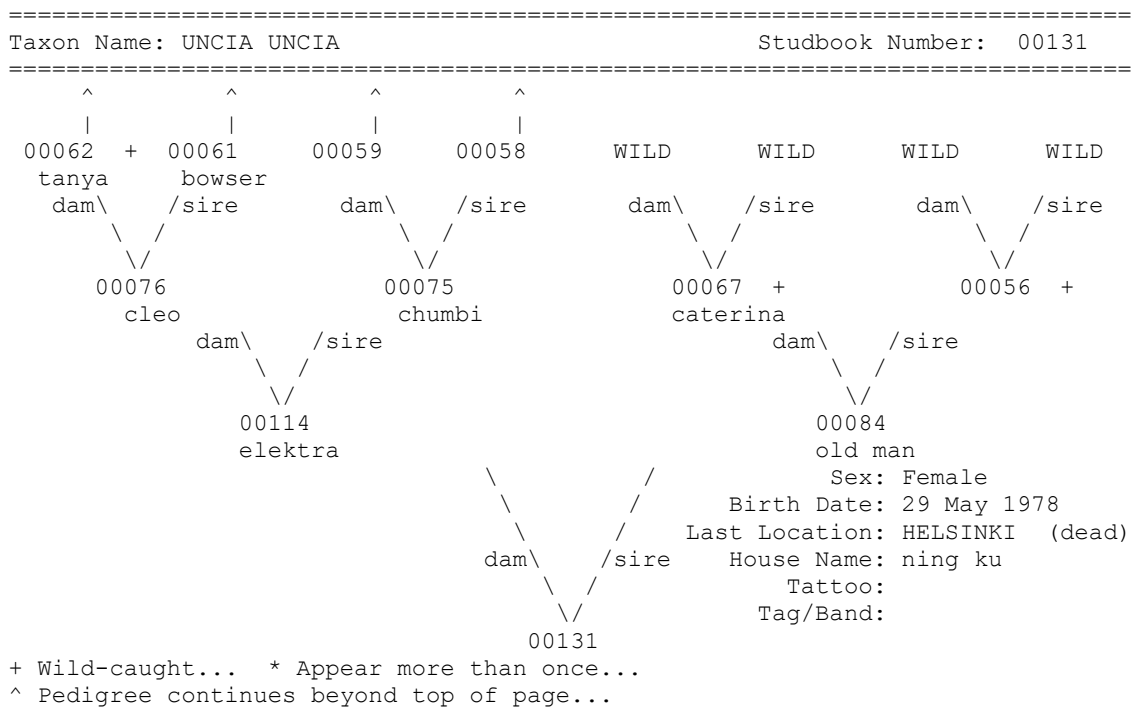
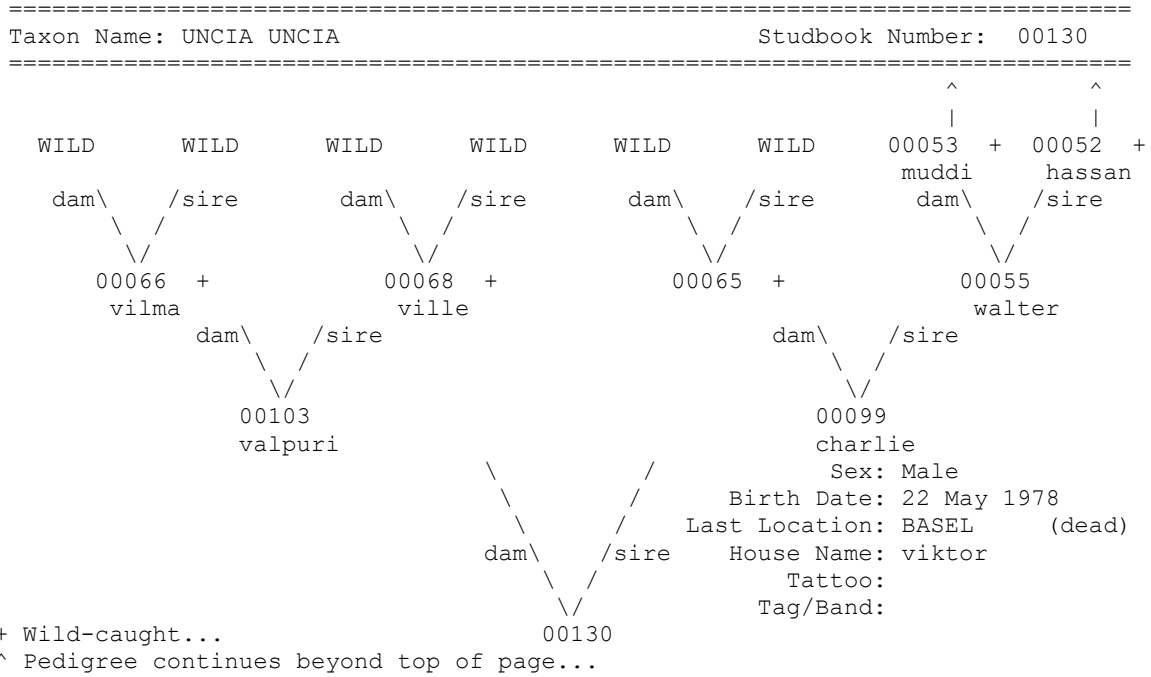
Taxon Name: UNCIA UNCIA

Studbook Number: 00126



Sex: Male
Birth Date: 1 Jul 1977
Last Location: LYMPNE (dead)
House Name: kanchen
Tattoo:
Tag/Band:

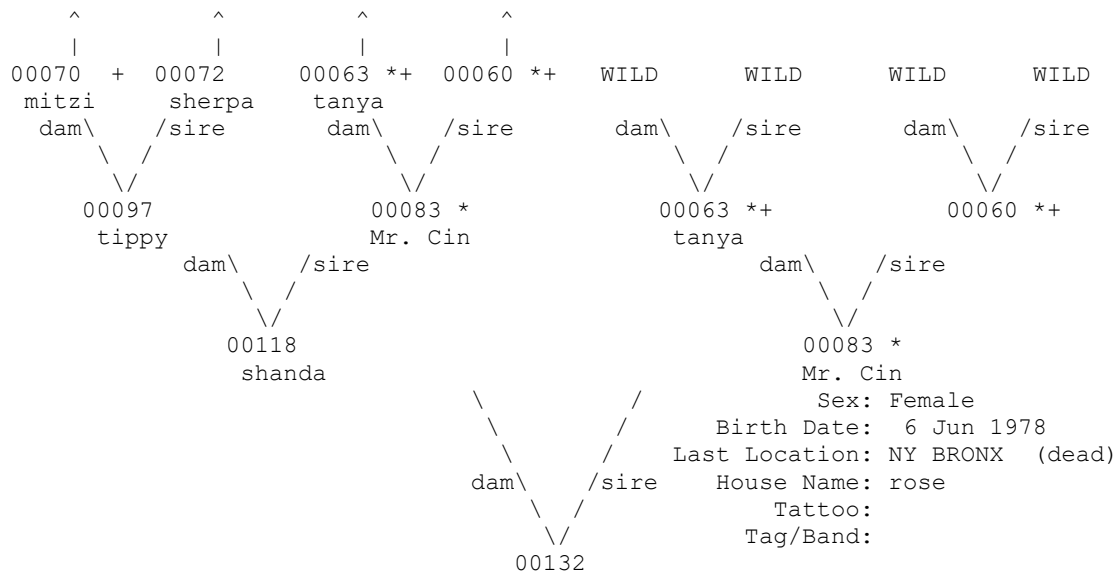
+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...



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Taxon Name: UNCIA UNCIA Studbook Number: 00132

=====

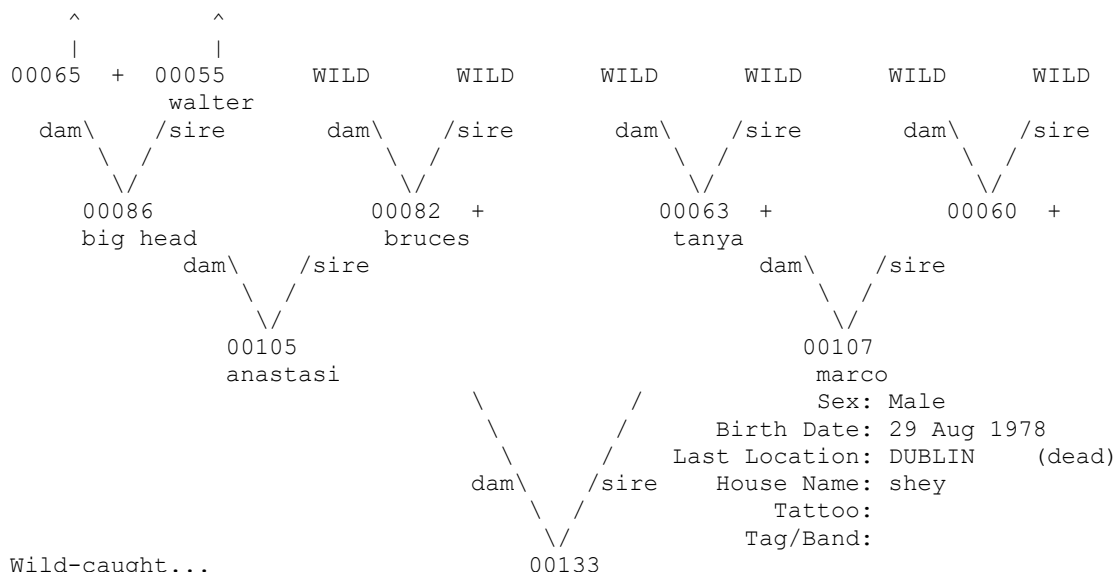


+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00133

=====



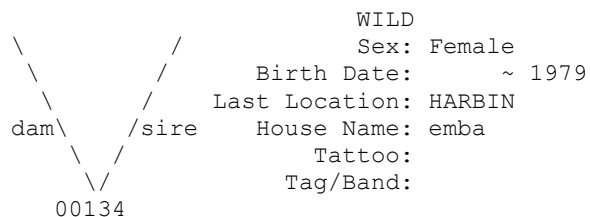
+ Wild-caught...
^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00134

=====

WILD



```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00135
=====
WILD      WILD      WILD      WILD      WILD      WILD      WILD      WILD
dam\      /sire    dam\      /sire    dam\      /sire    dam\      /sire
  \      /        \      /        \      /        \      /
00071 + 00074 + 00067 + 00056 +
snowflak                    caterina
      dam\      /sire                    dam\      /sire
        \      /                        \      /
        00092                          00091
        natasha                        davies
                                      Sex: Male
                                      Birth Date: 23 Apr 1979
                                      Last Location: SAN FRAN (dead)
                                      House Name: ping
                                      Tattoo:
                                      Tag/Band:
+ Wild-caught...
                                00135
  
```

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00136
=====
WILD      WILD      WILD      WILD
dam\      /sire    dam\      /sire    dam\      /sire    dam\      /sire
  \      /        \      /        \      /        \      /
00081 + 00073 +
crystal                    frosty
      dam\      /sire                    dam\      /sire
        \      /                        \      /
        00136                          00136
+ Wild-caught...
  
```

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00137
=====
^      ^
|      |
00066 + 00068 *+ WILD      WILD      WILD      WILD      WILD      WILD
vilma  ville    dam\      /sire    dam\      /sire    dam\      /sire    dam\      /sire
dam\   /sire    \      /        \      /        \      /        \      /
  \   /          \      /        \      /        \      /
00080 vikku      00068 *+ 00081 + 00073 +
                    ville crystal frosty
                    dam\      /sire    dam\      /sire
                      \      /        \      /
                      00112          00122
                      ilka          karl
                                      Sex: Female
                                      Birth Date: 19 May 1979
                                      Last Location: BOISE (dead)
                                      House Name: annapurna
                                      Tattoo:
                                      Tag/Band:
+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...
                                00137
  
```

=====

Taxon Name: UNCIA UNCIA

=====

Studbook Number: 00138

=====

WILD

WILD

```

      \      /
      \    /
dam \  /sire
      \  /
      \ /
      00138
    
```

Sex: Female
 Birth Date: ~ 1980
 Last Location: MOSCOW (dead)
 House Name: martha
 Tattoo:
 Tag/Band:

=====

Taxon Name: UNCIA UNCIA

=====

Studbook Number: 00139

=====

WILD

WILD

WILD

WILD

```

      dam \      /sire
           \    /
           \  /
           00109 +
            ili
    
```

```

      \      /
      \    /
dam \  /sire
      \  /
      \ /
      00139
    
```

Sex: Male
 Birth Date: 9 May 1980
 Last Location: LYMPNE (dead)
 House Name: orion
 Tattoo:
 Tag/Band:

+ Wild-caught...

=====

Taxon Name: UNCIA UNCIA

=====

Studbook Number: 00140

=====

WILD

WILD

WILD

WILD

00076

00075

00067 +

00056 +

```

      dam \      /sire
           \    /
           \  /
           00066 +
            vilma
    
```

```

      dam \      /sire
           \    /
           \  /
           00068 +
            ville
    
```

```

      ^
      |
      cleo
      dam \      /sire
           \    /
           \  /
           00098
    
```

```

      ^
      |
      chumbi
      dam \      /sire
           \    /
           \  /
           00084
            old man
    
```

```

      dam \      /sire
           \    /
           \  /
           00103
            valpuri
    
```

```

      \      /
      \    /
dam \  /sire
      \  /
      \ /
      00140
    
```

Sex: Female
 Birth Date: 9 May 1980
 Last Location: LYMPNE (dead)
 House Name: messalina
 Tattoo:
 Tag/Band:

+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA	Studbook Number: 00141
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=====

WILD		WILD		WILD		WILD
	dam\	/sire		dam\	/sire	
	\	/		\	/	
	00094	+		00093	+	
	tora			arstan		
				Sex: Female		
				Birth Date: 15 May 1980		
				Last Location: NAGOYA (dead)		
				House Name: vika		
				Tattoo:		
				Tag/Band:		

+ Wild-caught... 00141

=====

Taxon Name: UNCIA UNCIA	Studbook Number: 00142
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=====

^	^	^	^	^	^		
00070	+	00072		00063	+	00060	+
mitzi		sherpa		tanya			
dam\	/sire			dam\	/sire		
\	/			\	/		
00097				00083			
tippy				Mr. Cin			
	dam\	/sire					
	\	/					
	00118						
	shanda						

+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA	Studbook Number: 00143
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=====

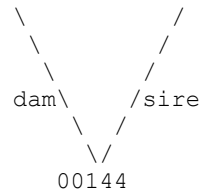
WILD		WILD		WILD		WILD
	dam\	/sire		dam\	/sire	
	\	/		\	/	
	00101	+		00110	+	
				argus		
				Sex: Male		
				Birth Date: 27 May 1980		
				Last Location: NY BRONX (dead)		
				House Name: bisser		
				Tattoo:		
				Tag/Band:		

+ Wild-caught... 00143

Taxon Name: UNCIA UNCIA

Studbook Number: 00144

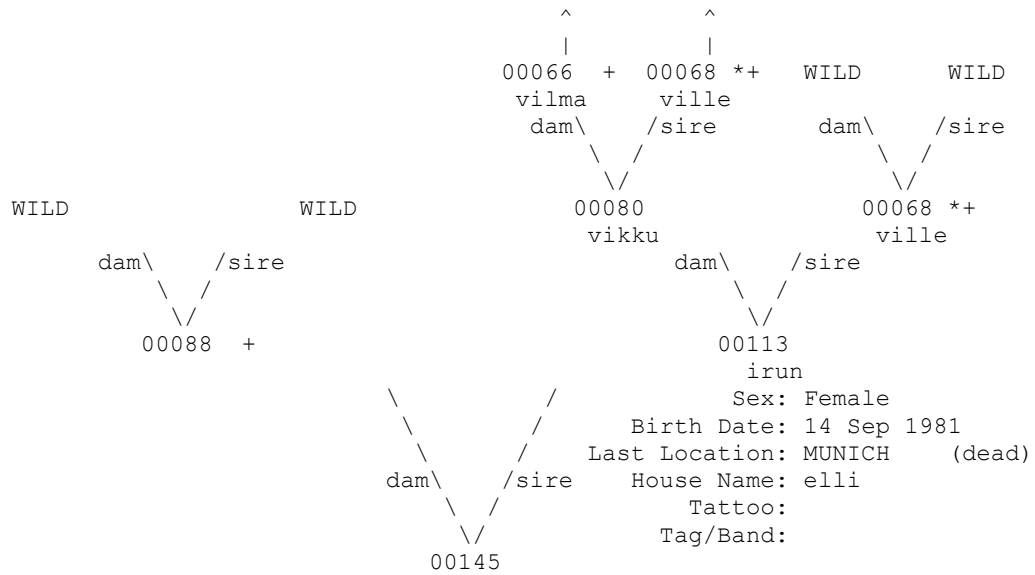
WILD



WILD
Sex: Male
Birth Date: ~ 1981
Last Location: MOSCOW (dead)
House Name: koshgar
Tattoo:
Tag/Band:

Taxon Name: UNCIA UNCIA

Studbook Number: 00145



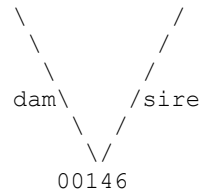
WILD
Sex: Female
Birth Date: 14 Sep 1981
Last Location: MUNICH (dead)
House Name: elli
Tattoo:
Tag/Band:

+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...

Taxon Name: UNCIA UNCIA

Studbook Number: 00146

WILD

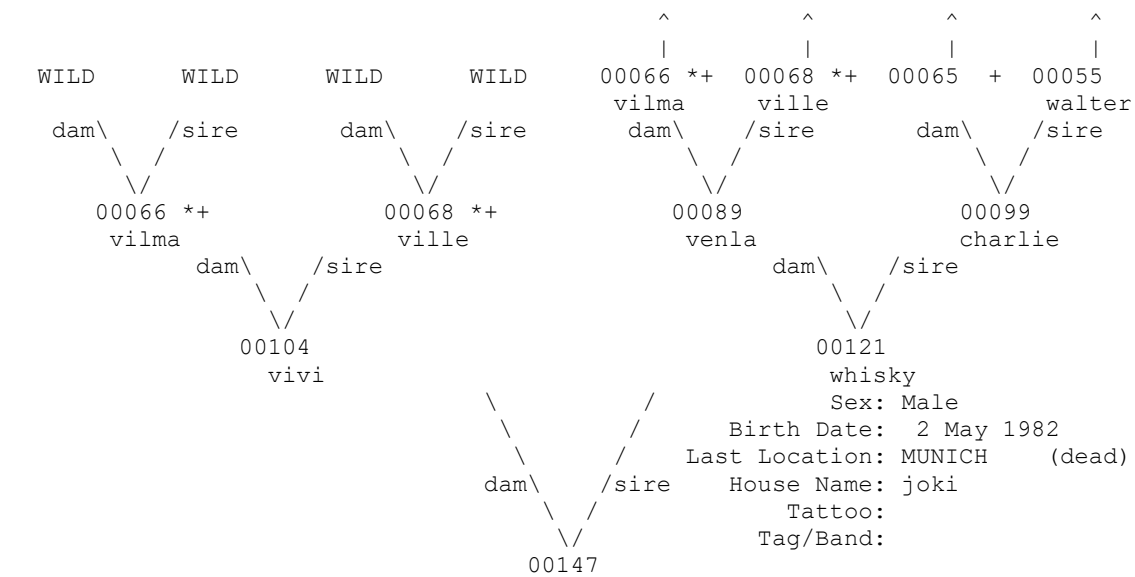


WILD
Sex: Female
Birth Date: ????
Last Location: MOSCOW (dead)
House Name: katarina
Tattoo:
Tag/Band:

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00147

=====

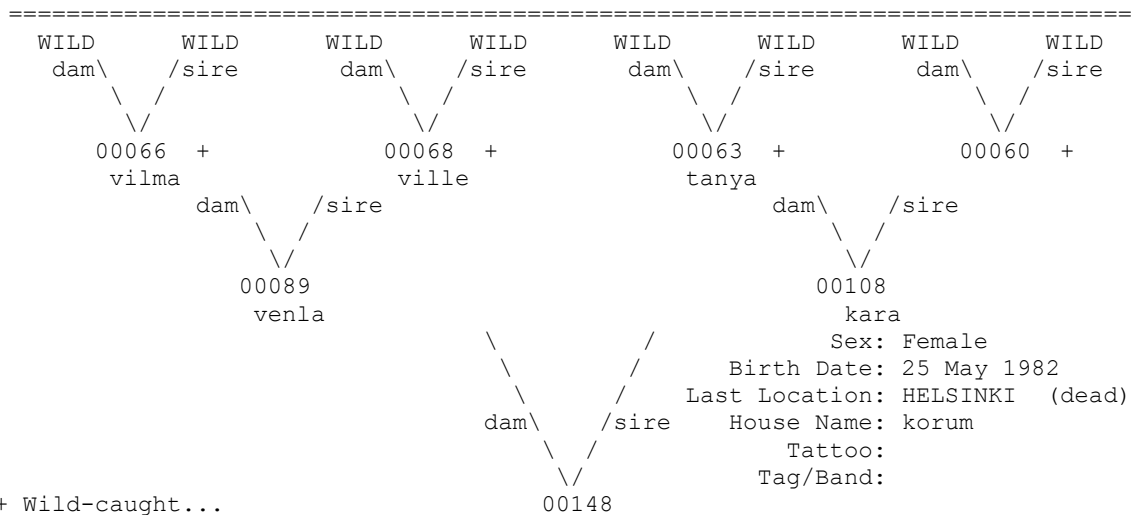


+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00148

=====

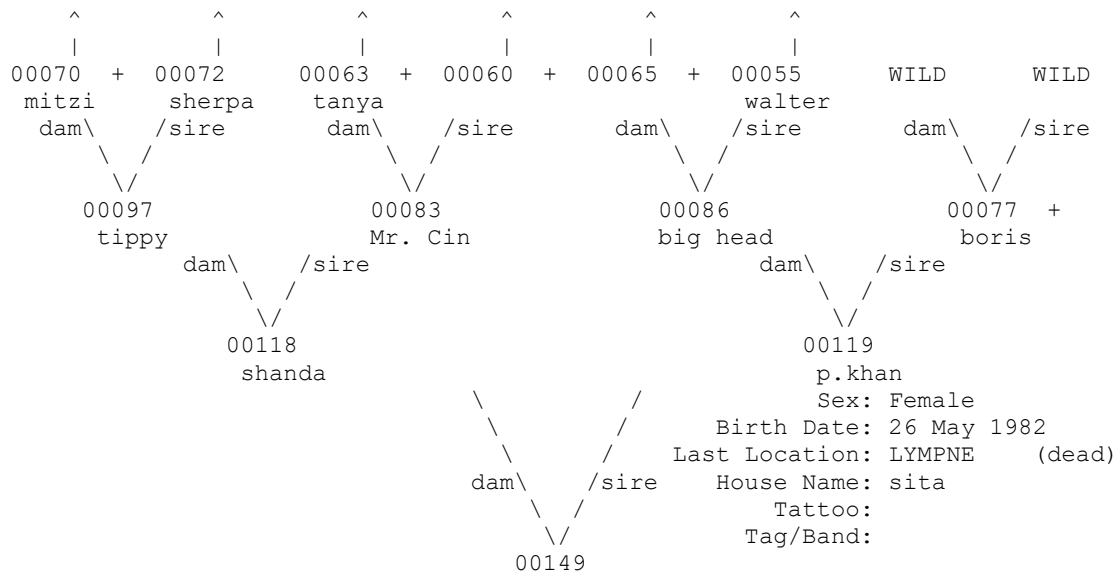


+ Wild-caught...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00149

=====



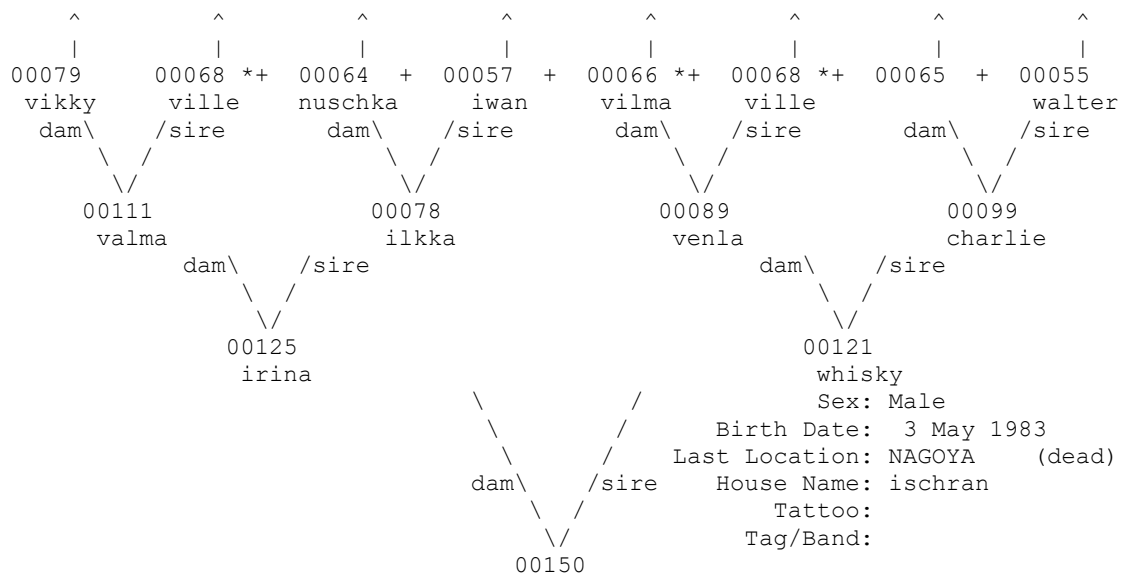
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00150

=====



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00151
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00080  00068 *+  00081 +  00073 +  00071 +  00074 +  00067 +  00056 +
vikku   ville   crystal frosty snowflak caterina
dam\    /sire   dam\    /sire   dam\    /sire   dam\    /sire   dam\    /sire
  \    /      \    /      \    /      \    /      \    /      \    /
00112  00122  00092  00091
ilka   karl   natasha davies
      \    /      \    /      \    /      \    /
      dam\    /sire dam\    /sire dam\    /sire
          \    /      \    /
          00137  00135
        annapurn ping
                  Sex: Male
                  Birth Date: 15 May 1983
                  Last Location: SAPPORO (dead)
                  House Name: great
                  Tattoo:
                  Tag/Band:

                  \    /
                  dam\ /sire
                  \    /
                  00151

+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...
  
```

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00152
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00066 *+  00068 *+  00098  00084  00085 *  00090 *  00085 *  00090 *
vilma   ville   dam\    old man marylin  snowman marylin  snowman
dam\    /sire   dam\    /sire   dam\    /sire   dam\    /sire   dam\    /sire
  \    /      \    /      \    /      \    /      \    /      \    /
00103  00123  00115  00116
valpuri romulus kush   pamir
      \    /      \    /      \    /      \    /
      dam\    /sire dam\    /sire dam\    /sire
          \    /      \    /
          00140  00126
        messalin kanchen
                  Sex: Female
                  Birth Date: 30 May 1983
                  Last Location: TALLIN (dead)
                  House Name: shiva
                  Tattoo:
                  Tag/Band:

                  \    /
                  dam\ /sire
                  \    /
                  00152

+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...
  
```

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00153
=====
      ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |
00097  00083 *  00063 *+  00060 *+  00065 +  00055      WILD      WILD
tippy  Mr. Cin  tanya  dam\  dam\  dam\  walter  dam\  dam\
dam\   /sire   dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire
  \   /       \   /       \   /       \   /       \   /
 00118 00083 * 00086 00077 +
shanda Mr. Cin big head boris
      \   /       \   /       \   /       \   /
      dam\       dam\       dam\       dam\
      /sire      /sire      /sire      /sire
      \   /       \   /
      00132 00119
      rose  p.khan
              Sex: Female
              Birth Date: 30 May 1983
              Last Location: SAPPORO (dead)
              House Name: rocki
              Tattoo:
              Tag/Band:
00153 * Appear more than once...
+ Wild-caught...
^ Pedigree continues beyond top of page...
  
```

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00154
=====
      ^           ^           ^           ^
      |           |           |           |
00076  00075  00067 +  00056 +
cleo  chumbi  caterina  dam\  dam\
dam\   /sire   dam\   /sire
  \   /       \   /
 00114 00084
elektra old man
      \   /
      dam\
      /sire
      \   /
      00131
      ning ku
              \   /
              dam\
              /sire
              \   /
              00154 * Appear more than once...
+ Wild-caught...
^ Pedigree continues beyond top of page...
  
```

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00155
=====
      WILD      WILD      WILD      WILD
      dam\       dam\       dam\       dam\
      /sire      /sire      /sire      /sire
      \   /       \   /       \   /       \   /
      00146 + 00127 +
katarina ramit
              Sex: Male
              Birth Date: 19 Jun 1984
              Last Location: MOSCOW (dead)
              House Name: ozon
              Tattoo:
              Tag/Band:
00155
+ Wild-caught...
  
```

=====

Taxon Name: UNCIA UNCIA	Studbook Number: 00156
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=====

WILD dam\ /sire \ / 00146 + katarina	WILD dam\ /sire \ / 00127 + ramit Sex: Male Birth Date: 19 Jun 1984 Last Location: KREFELD (dead) House Name: onix Tattoo: Tag/Band:	WILD dam\ /sire \ / 00156
---	--	--

+ Wild-caught...

=====

Taxon Name: UNCIA UNCIA	Studbook Number: 00157
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=====

WILD dam\ /sire \ / 00100 + arga	WILD dam\ /sire \ / 00157	^ ^ 00066 + 00068 *+ WILD WILD vilma ville dam\ /sire dam\ /sire \ / \ / 00079 00068 *+ vikky ville dam\ /sire \ / 00095 walo Sex: Male Birth Date: 26 Aug 1984 Last Location: WUPPERTAL (dead) House Name: kashmir Tattoo: Tag/Band:
---	--	--

+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA	Studbook Number: 00158
-------------------------	------------------------

=====

WILD dam\ /sire \ / 00158	WILD Sex: Female Birth Date: ~ 1985 Last Location: XINING House Name: Tattoo: Tag/Band:
--	---

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00159
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00079  00068 *+  00064 +  00057 +  00066 *+  00068 *+  00065 +  00055
vikky  ville  nuschka iwan  vilma  ville  dam\  walter
dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire
  \    \      \    \      \    \      \    \      \    \
00111  00078  00089  00099
valma  ilkka  venla  charlie
      dam\   /sire  dam\   /sire
        \    \      \    \
        00125  00121
        irina  whisky
              Sex: Female
              Birth Date: 3 May 1985
              Last Location: KREFELD (dead)
              House Name: ina
              Tattoo:
              Tag/Band:

              \    \
              dam\   /sire
                \    \
                00159
  
```

+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00160
=====
      WILD      WILD      WILD      WILD
      dam\      dam\      dam\      dam\
      \    \    \    \    \    \    \    \
      \    \    \    \    \    \    \    \
      00138 +  00144 +
      martha  koshgar
              Sex: Female
              Birth Date: 20 May 1985
              Last Location: MOSCOW (dead)
              House Name: oda
              Tattoo:
              Tag/Band:

              \    \
              dam\   /sire
                \    \
                00160
  
```

+ Wild-caught...

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00161
=====
      WILD      WILD      WILD      WILD
      dam\      dam\      dam\      dam\
      \    \    \    \    \    \    \    \
      \    \    \    \    \    \    \    \
      00134 +  00117 +
      emba  kirgiz
              Sex: Female
              Birth Date: 28 Apr 1986
              Last Location: HELSINKI (dead)
              House Name: betsi
              Tattoo:
              Tag/Band:

              \    \
              dam\   /sire
                \    \
                00161
  
```

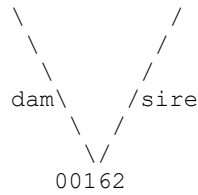
+ Wild-caught...

Taxon Name: UNCIA UNCIA

Studbook Number: 00162

WILD

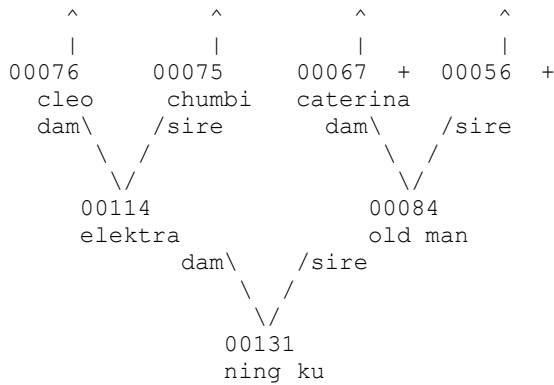
WILD



Sex: Female
Birth Date: ~ May 1986
Last Location: TALLIN (dead)
House Name: rembo
Tattoo:
Tag/Band:

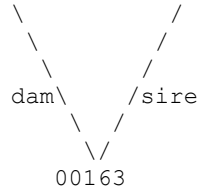
Taxon Name: UNCIA UNCIA

Studbook Number: 00163



WILD

WILD

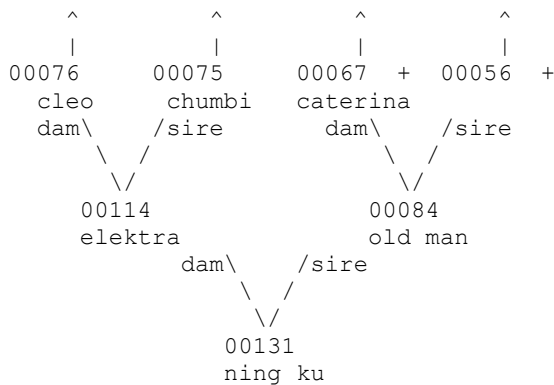


Sex: Male
Birth Date: 3 May 1986
Last Location: MOSCOW (dead)
House Name: don
Tattoo:
Tag/Band:

+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...

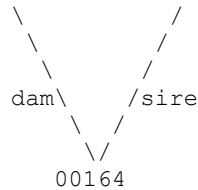
Taxon Name: UNCIA UNCIA

Studbook Number: 00164



WILD

WILD



Sex: Male
Birth Date: 3 May 1986
Last Location: ZURICH (dead)
House Name: dalai
Tattoo:
Tag/Band:

+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00165
=====
                                ^           ^           ^           ^
                                |           |           |           |
WILD      WILD      WILD      WILD      00066 + 00068 + 00065 + 00055
dam\      dam\      dam\      dam\      vilma ville dam\      dam\
  \      /sire  \      /sire  \      /sire  \      /sire
   \    /      \    /      \    /      \    /
00081 + 00073 + 00103      00099
crystal dam\      frosty      valpuri      charlie
      \      /sire
      \    /
00136
trina

                                \      /
                                dam\ /sire
                                \    /
                                00165

                                \      /
                                dam\ /sire
                                \    /
                                00130
                                viktor
                                Sex: Female
                                Birth Date: 5 May 1986
                                Last Location: BASEL (dead)
                                House Name: juba
                                Tattoo:
                                Tag/Band:

+ Wild-caught...
^ Pedigree continues beyond top of page...

```

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00166
=====
                                ^           ^           ^           ^
                                |           |           |           |
                                00066 + 00068 *+ WILD      WILD
                                vilma ville dam\      dam\
                                dam\ /sire  \      /sire
                                  \    /      \    /
                                00079      00068 *+
                                vikky      ville
                                dam\ /sire
                                \    /
                                00095
                                walo
                                Sex: Female
                                Birth Date: 20 May 1986
                                Last Location: WUPPERTAL (dead)
                                House Name: mansehra
                                Tattoo:
                                Tag/Band:

WILD      WILD
dam\      dam\
  \      /sire  \      /sire
   \    /      \    /
00100 + 00166
arga

                                \      /
                                dam\ /sire
                                \    /
                                00166

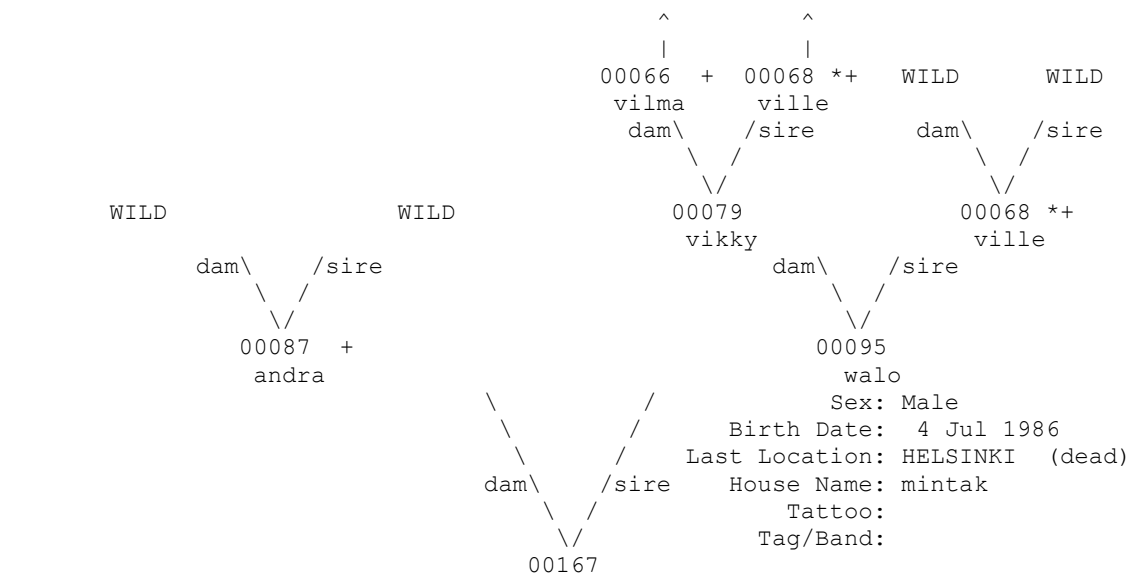
+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...

```

NATIONAL STUDBOOK OF SNOW LEOPARD (*PANTHERA UNCIA*) – III EDITION

Taxon Name: UNCIA UNCIA

Studbook Number: 00167

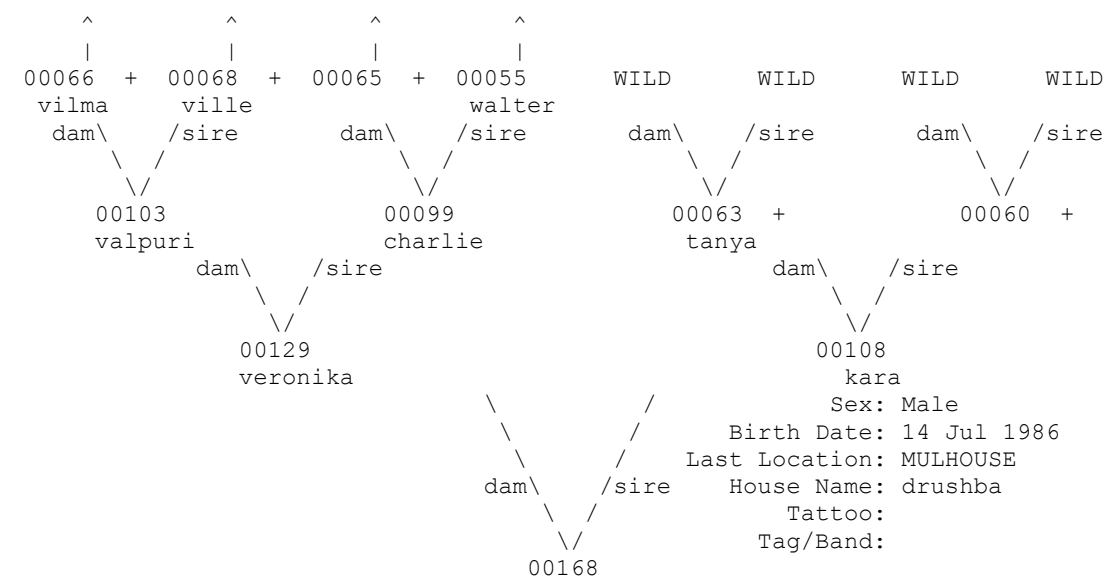


+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

Taxon Name: UNCIA UNCIA

Studbook Number: 00168

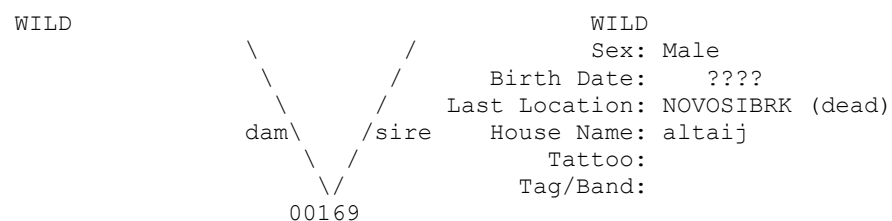


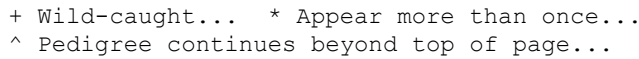
+ Wild-caught...

^ Pedigree continues beyond top of page...

Taxon Name: UNCIA UNCIA

Studbook Number: 00169

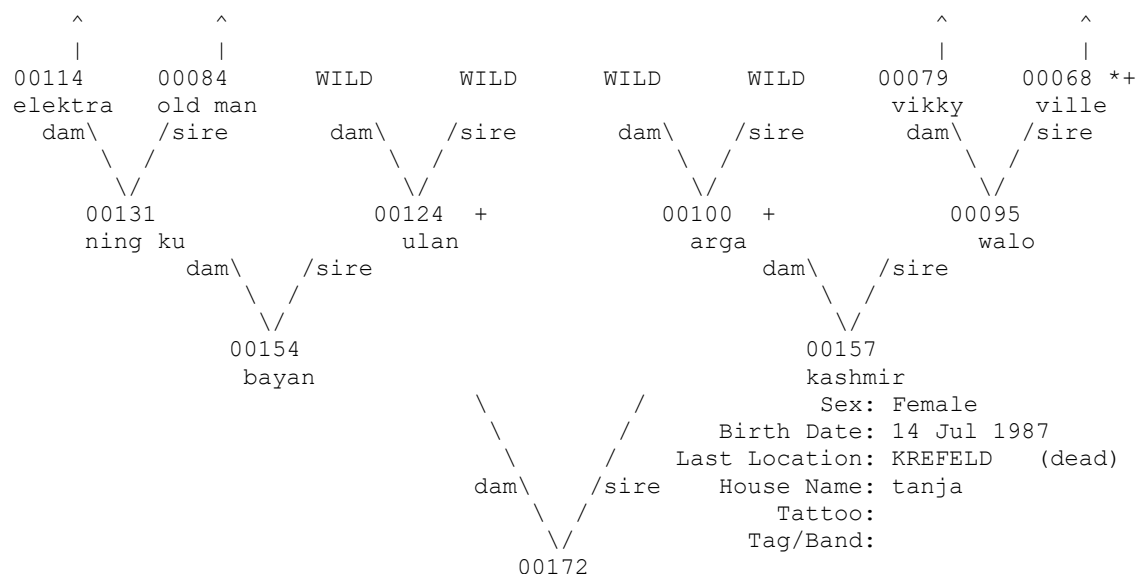




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+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...
```

NATIONAL STUDBOOK OF SNOW LEOPARD (*PANTHERA UNCIA*) – III EDITION

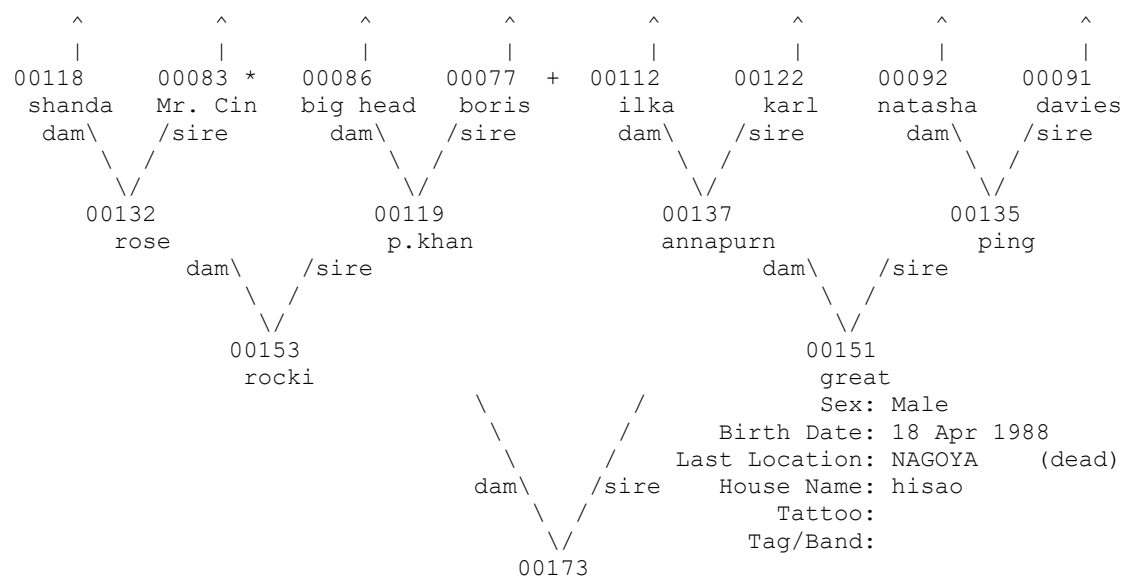
Taxon Name: UNCIA UNCIA Studbook Number: 00172



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

Taxon Name: UNCIA UNCIA Studbook Number: 00173



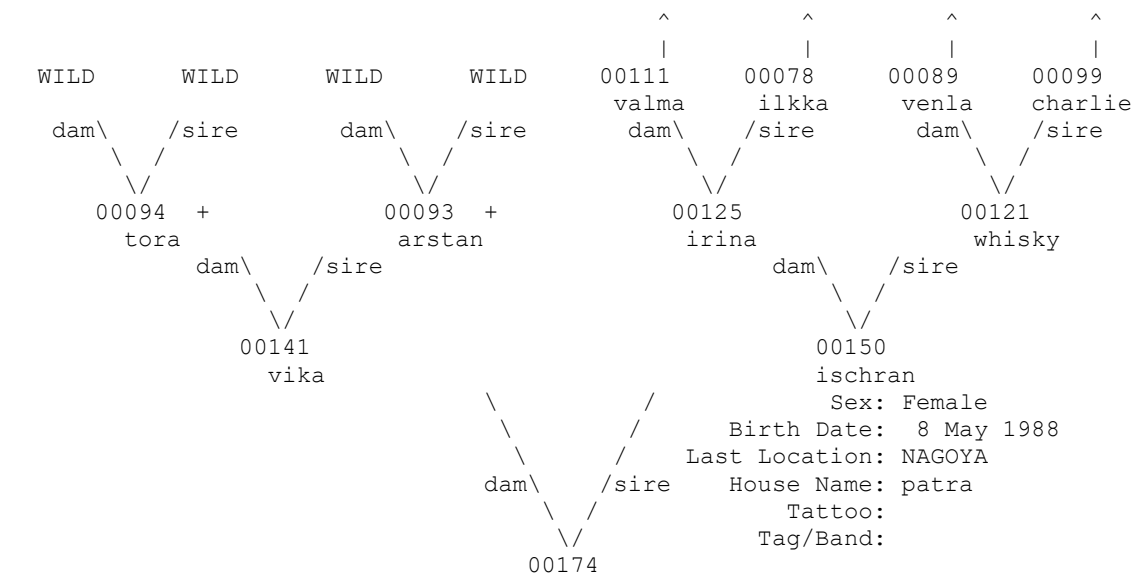
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00174

=====



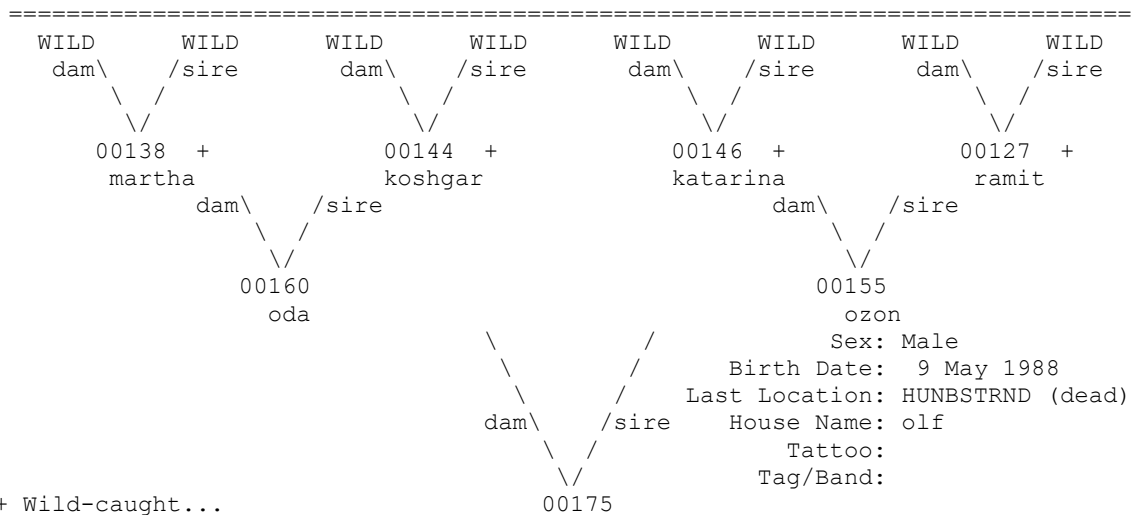
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00175

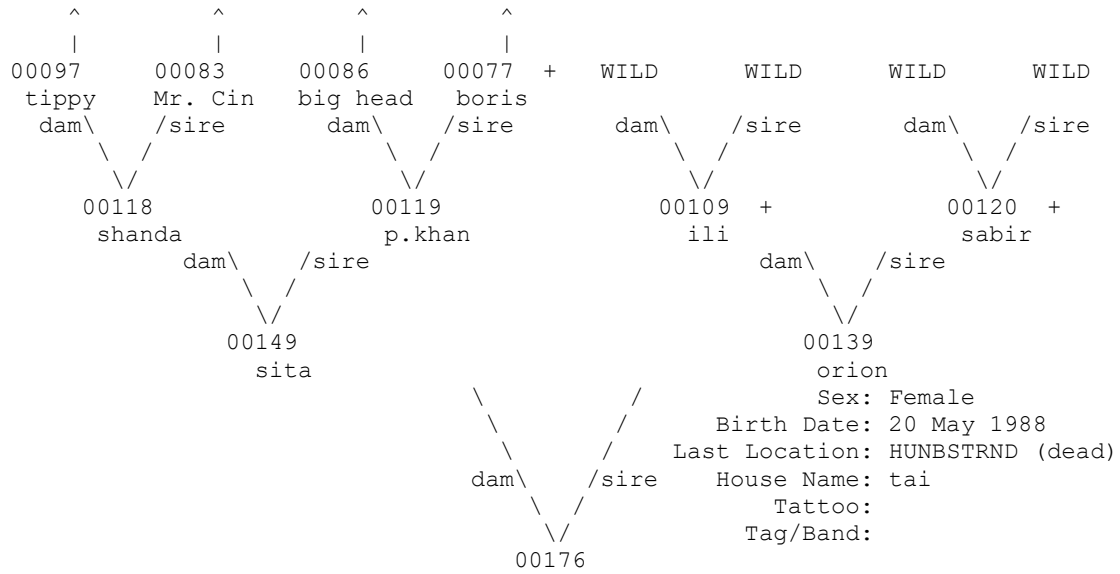
=====



+ Wild-caught...

Taxon Name: UNCIA UNCIA

Studbook Number: 00176

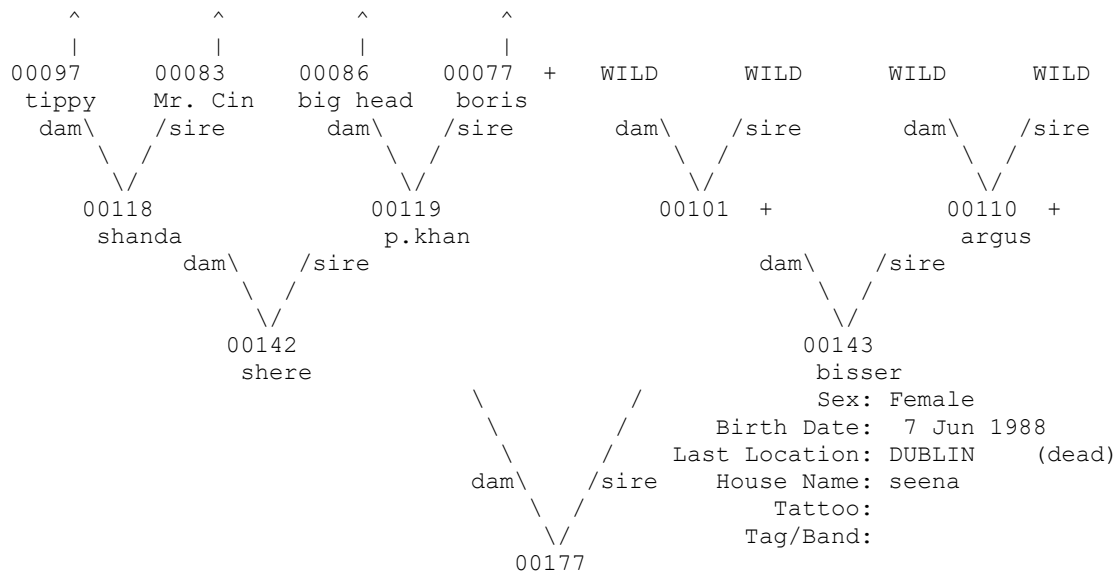


+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

Taxon Name: UNCIA UNCIA

Studbook Number: 00177



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00178
=====
                                ^         ^         ^         ^
                                |         |         |         |
WILD      WILD      WILD      WILD      00085  00082  +  00063  +  00060  +
dam\      dam\      dam\      dam\      marylin bruces tanya  +
  \      /sire  \      /sire  \      /sire  \      /sire  \
   \    /      \    /      \    /      \    /      \
  00081 +      00073 +      00106      00096
  crystal      frosty      natasha      cin kid
      \      /sire
      dam\
        \    /
        00002
        Persia

                                \      /
                                dam\  /sire
                                \    /
                                00178

                                Sex: Female
                                Birth Date: 20 May 1989
                                Last Location: DARJEELIN (dead)
                                House Name: Usha
                                Tattoo:
                                Tag/Band:

+ Wild-caught...
^ Pedigree continues beyond top of page...

```

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00179
=====
                                ^         ^         ^         ^
                                |         |         |         |
WILD      WILD      WILD      WILD
dam\      dam\      dam\      dam\
  \      /sire  \      /sire  \      /sire  \
   \    /      \    /      \    /      \
  00138 +      00127 +
  martha      ramit
      \      /sire
      dam\  /sire
      \    /
      00179

                                Sex: Female
                                Birth Date: 22 May 1989
                                Last Location: MOSCOW (dead)
                                House Name: obich
                                Tattoo:
                                Tag/Band:

+ Wild-caught...

```

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00180
=====
                                ^         ^         ^         ^
                                |         |         |         |
WILD      WILD      WILD      WILD      00085  00082  +  00063  +  00060  +
dam\      dam\      dam\      dam\      marylin bruces tanya  +
  \      /sire  \      /sire  \      /sire  \      /sire  \
   \    /      \    /      \    /      \    /      \
  00081 +      00073 +      00106      00096
  crystal      frosty      natasha      cin kid
      \      /sire
      dam\
        \    /
        00002
        Persia

                                \      /
                                dam\  /sire
                                \    /
                                00180

                                Sex: Female
                                Birth Date: 20 May 1989
                                Last Location: DARJEELIN (dead)
                                House Name: Purnima
                                Tattoo:
                                Tag/Band:

+ Wild-caught...
^ Pedigree continues beyond top of page...

```

```

=====
Taxon Name: UNCIA UNCIA                               Studbook Number: 00181
=====
WILD      WILD      WILD      WILD      WILD      WILD      WILD      WILD
dam\      /sire    dam\      /sire    dam\      /sire    dam\      /sire
  \      /        \      /        \      /        \      /
   \    /          \    /          \    /          \    /
00138 +          00144 +          00146 +          00127 +
martha          koshgar          katarina          ramit
   \      /        \      /          \      /          \      /
   dam\    /sire    dam\    /sire    dam\    /sire    dam\    /sire
       \  /          \  /          \  /          \  /
        \ /            \ /            \ /            \ /
         V              V              V              V
        00160          00155
        oda              ozon
                        Sex: Male
                        Birth Date: 3 Jun 1989
                        Last Location: LA PLAINE (dead)
                        House Name: odin
                        Tattoo:
                        Tag/Band:

+ Wild-caught...                                00181

```

```

=====
Taxon Name: UNCIA UNCIA                               Studbook Number: 00182
=====
WILD      WILD      WILD      WILD      WILD      WILD
dam\      /sire    dam\      /sire    dam\      /sire    dam\      /sire
  \      /        \      /        \      /        \      /
   \    /          \    /          \    /          \    /
00134 +          00117 +          WILD          WILD
emba          kirgiz          dam\      /sire
   \      /        \      /          \      /
   dam\    /sire    dam\    /sire    dam\    /sire
       \  /          \  /          \  /
        \ /            \ /            \ /
         V              V              V
        00161          00169 +
        betsi          altaij
                        Sex: Female
                        Birth Date: 29 Jul 1989
                        Last Location: HELSINKI (dead)
                        House Name: galina
                        Tattoo:
                        Tag/Band:

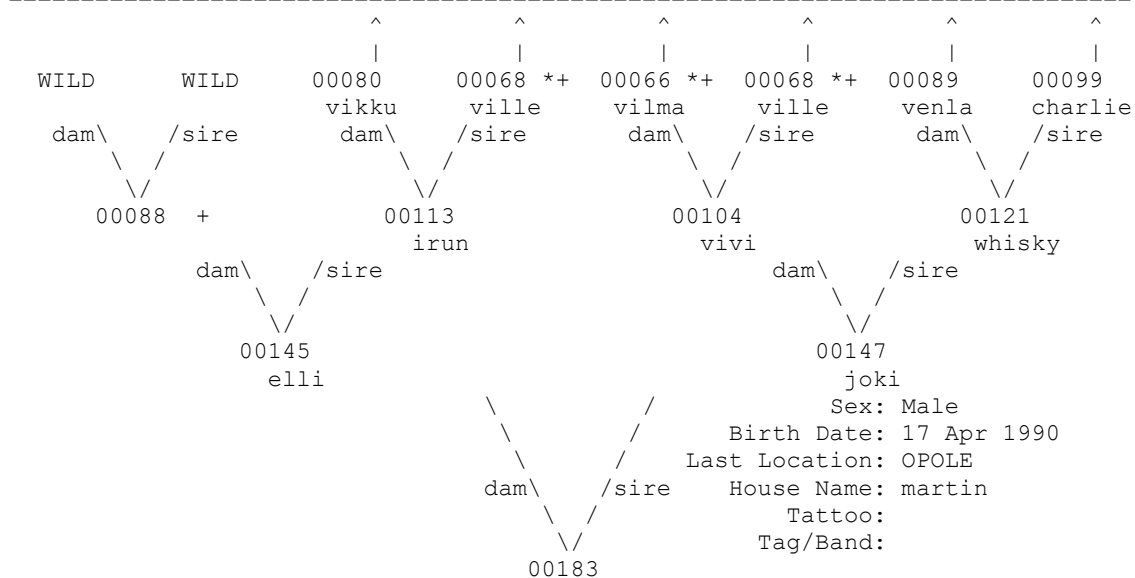
+ Wild-caught...                                00182

```

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00183

=====



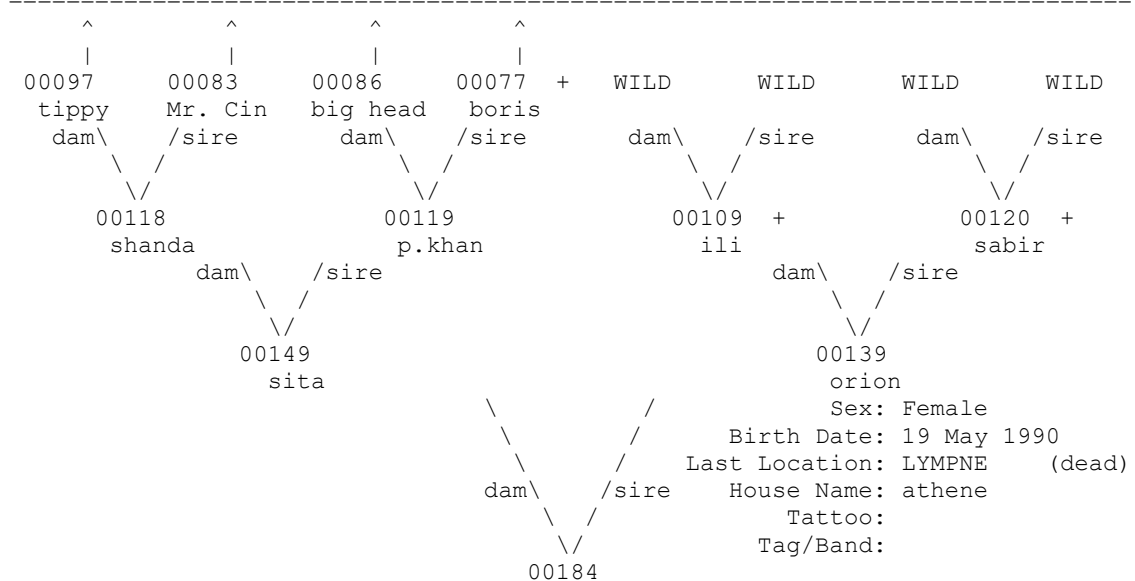
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00184

=====



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00185
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00081 + 00073 + 00103 * 00099 * 00103 * 00099 * 00063 + 00060 +
crystal frosty valpuri charlie valpuri charlie tanya      +
dam\    /sire dam\    /sire dam\    /sire dam\    /sire dam\    /sire
  \    /      \    /      \    /      \    /      \    /      \    /
  00136      00130      00129      00108
 trina      viktor    veronika      kara
  \    /      \    /      \    /      \    /
  dam\    /sire dam\    /sire dam\    /sire dam\    /sire
    \    /      \    /      \    /      \    /
    00165      00168
     juba      drushba
              Sex: Male
              Birth Date: 27 May 1990
              Last Location: POZNAN
              House Name: chensi
              Tattoo:
              Tag/Band:

              \    /
              dam\ /sire
                \ /
                00185
  
```

+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00186
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00081 + 00073 + 00103 * 00099 * 00103 * 00099 * 00063 + 00060 +
crystal frosty valpuri charlie valpuri charlie tanya      +
dam\    /sire dam\    /sire dam\    /sire dam\    /sire dam\    /sire
  \    /      \    /      \    /      \    /      \    /      \    /
  00136      00130      00129      00108
 trina      viktor    veronika      kara
  \    /      \    /      \    /      \    /
  dam\    /sire dam\    /sire dam\    /sire dam\    /sire
    \    /      \    /      \    /      \    /
    00165      00168
     juba      drushba
              Sex: Male
              Birth Date: 27 May 1990
              Last Location: LYMPNE (dead)
              House Name: cakya
              Tattoo:
              Tag/Band:

              \    /
              dam\ /sire
                \ /
                00186
  
```

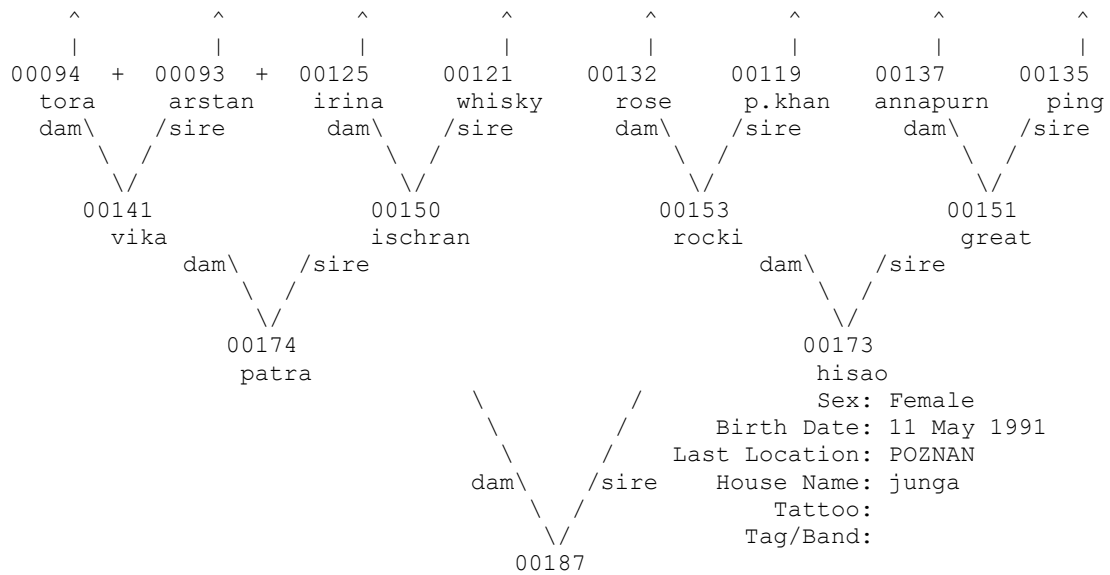
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00187

=====



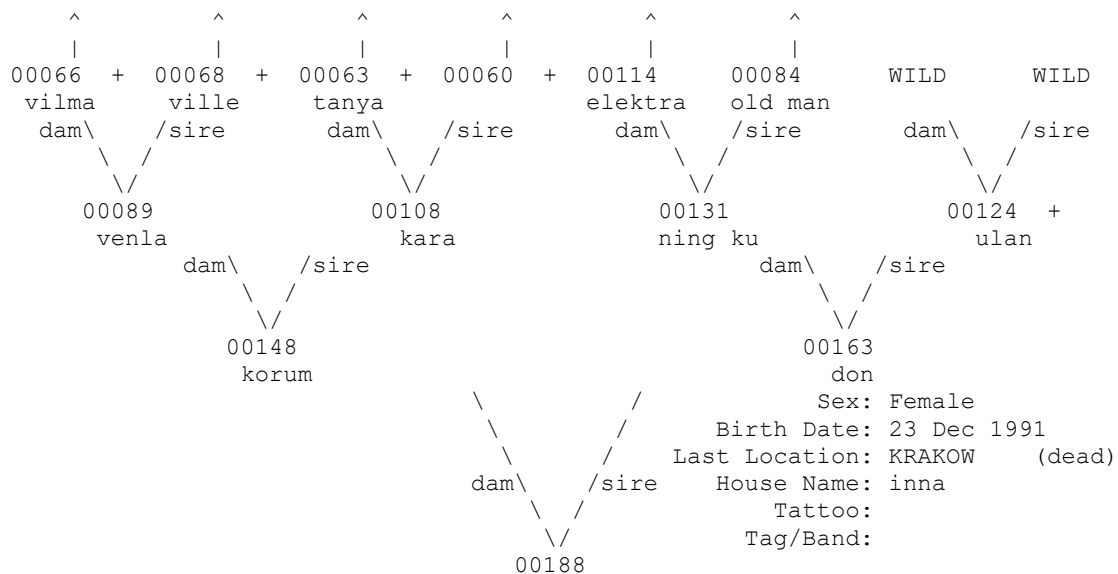
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00188

=====



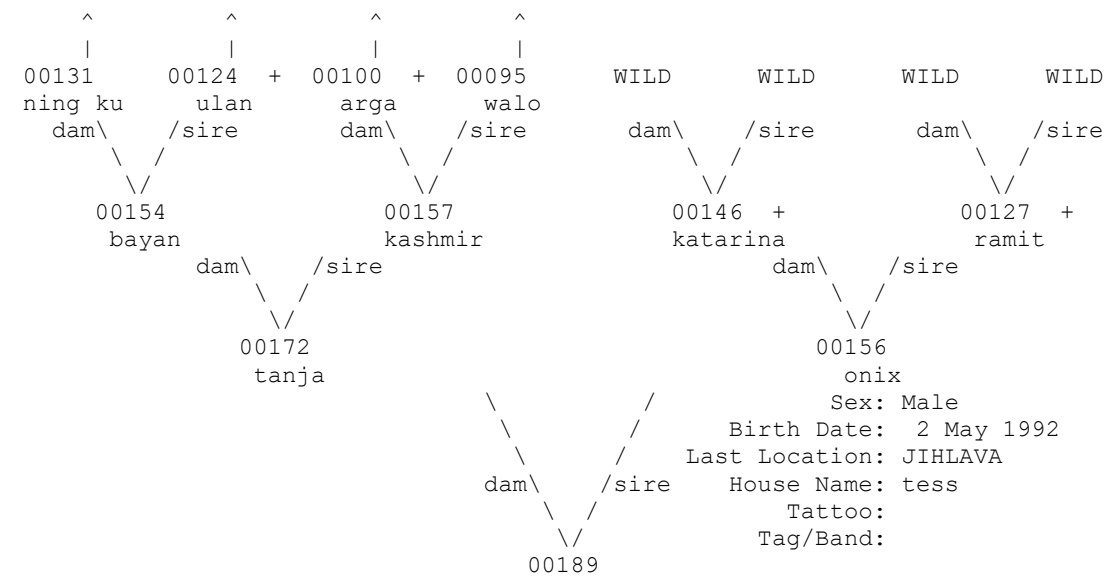
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00189

=====



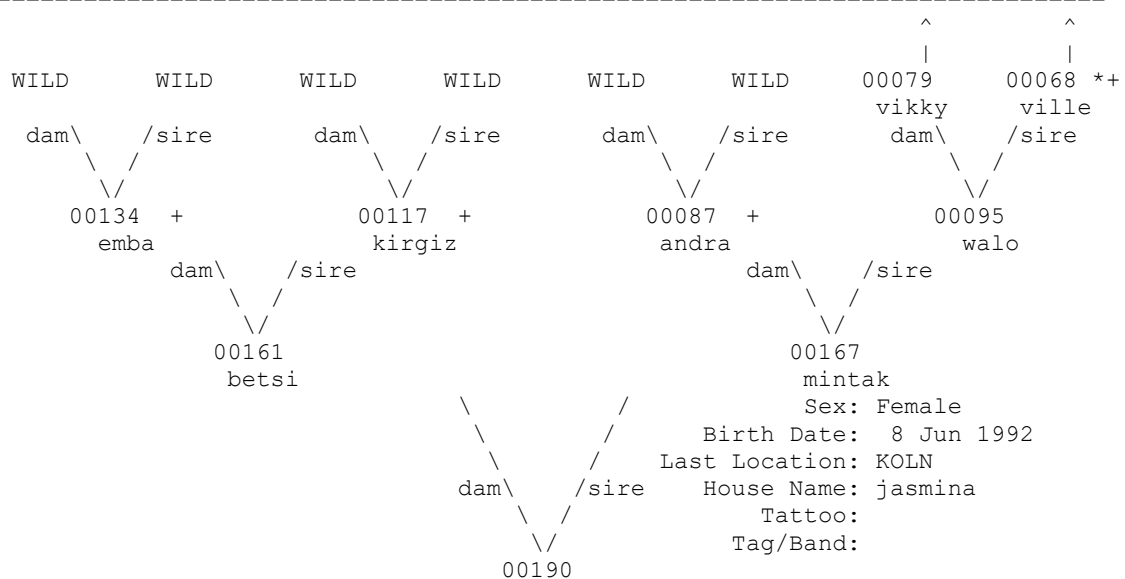
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00190

=====



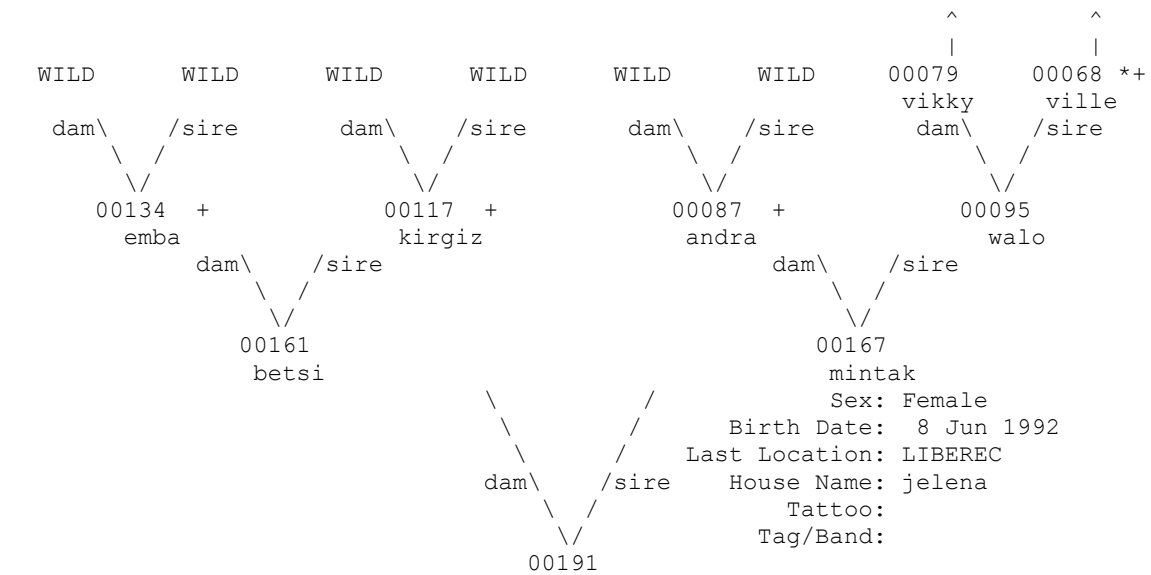
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00191

=====



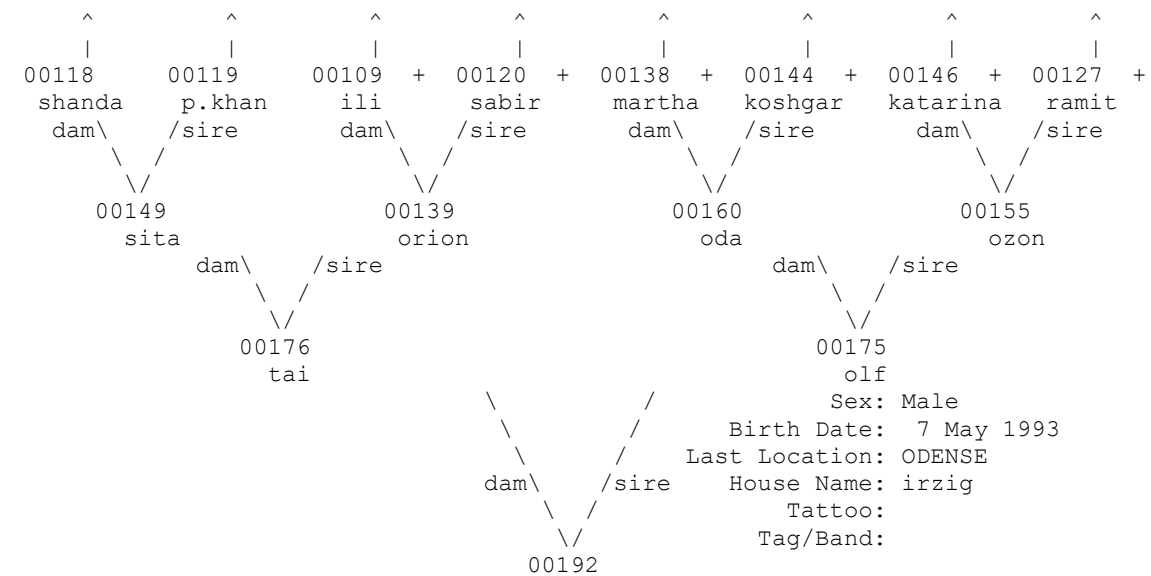
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00192

=====



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00193
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00118  00119  00101 + 00110 + 00086 * 00082 + 00063 *+ 00060 *+
shanda  p.khan  dam\  argus  big head  bruces  tanya  dam\
dam\    /sire  dam\  /sire  dam\    /sire  dam\    /sire  dam\    /sire
  \    /      \    /      \    /      \    /      \    /      \    /
00142  00143  00105  00107
shere  bisser  anastasi  marco
  \    /      \    /      \    /      \    /
  dam\    /sire  dam\    /sire  dam\    /sire  dam\    /sire
    \    /      \    /      \    /      \    /
    00177  00133
    seena  shey
           Sex: Male
           Birth Date: 17 May 1993
           Last Location: KOLN
           House Name: toibin
           Tattoo:
           Tag/Band:

      dam\    /sire
      \    /
      00193
  
```

+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00194
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00100  + 00095  00131  00124 + 00085  00082 + 00063 + 00060 +
arga   walo   ning ku  ulan  marylin  bruces  tanya  dam\
dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire  dam\   /sire
  \    /      \    /      \    /      \    /      \    /      \    /
00166  00164  00106  00096
mansehra dalai  natasha  cin kid
  \    /      \    /      \    /      \    /
  dam\    /sire  dam\    /sire  dam\    /sire  dam\    /sire
    \    /      \    /      \    /      \    /
    00006  00004
    QUILLA  hank
           Sex: Male
           Birth Date: 2 May 1994
           Last Location: DARJEELIN (dead)
           House Name:
           Tattoo:
           Tag/Band:

      dam\    /sire
      \    /
      00194
  
```

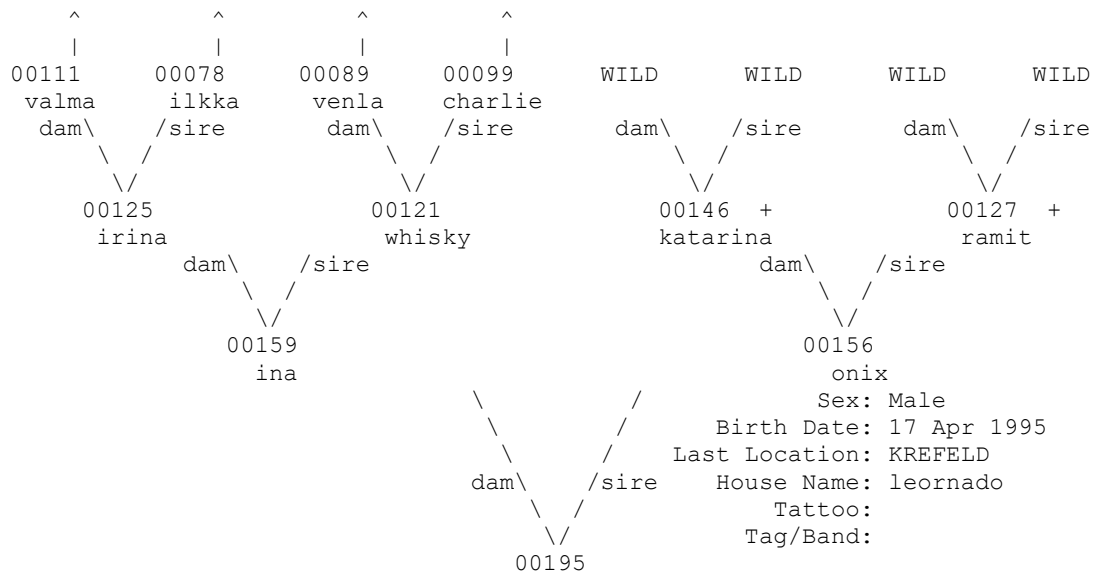
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00195

=====



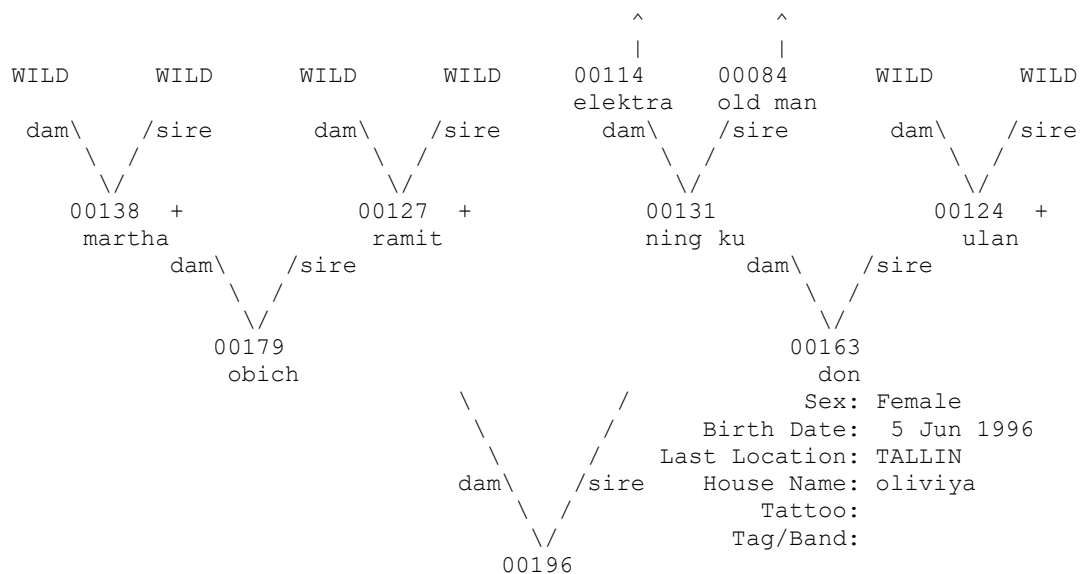
+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00196

=====

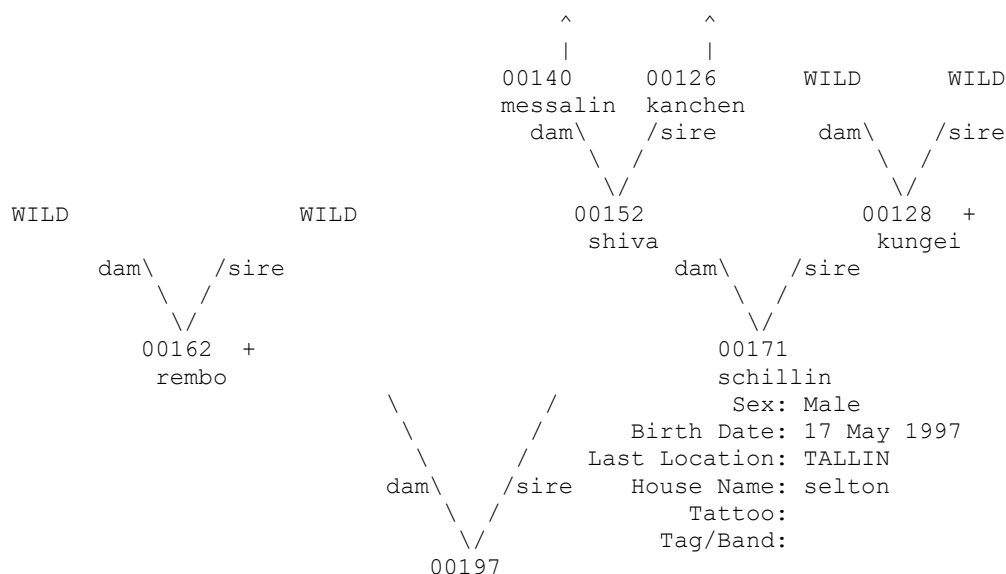


+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

Taxon Name: UNCIA UNCIA

Studbook Number: 00197

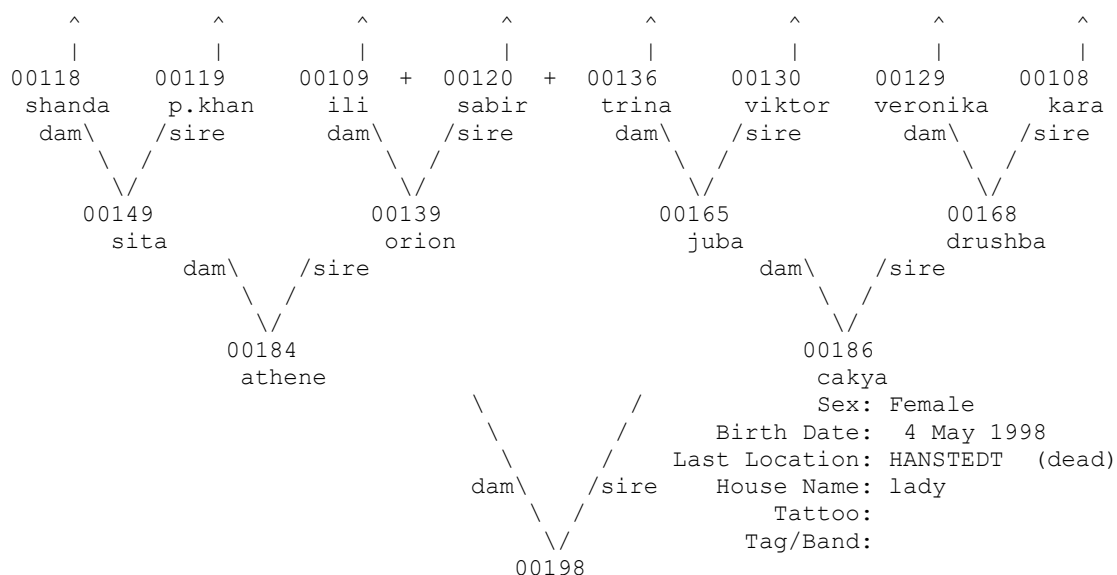


+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

Taxon Name: UNCIA UNCIA

Studbook Number: 00198

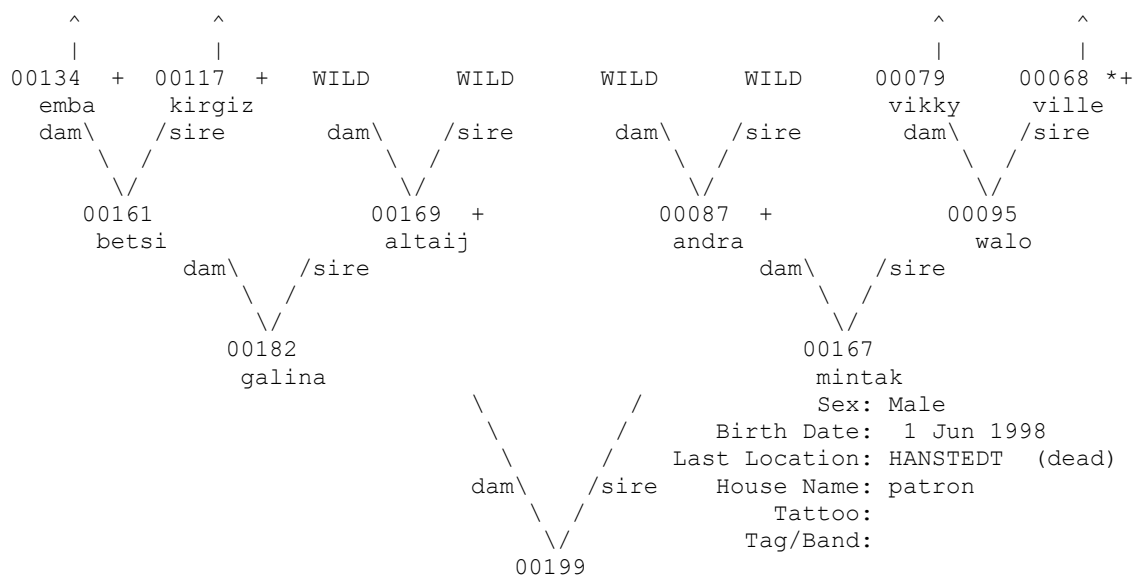


+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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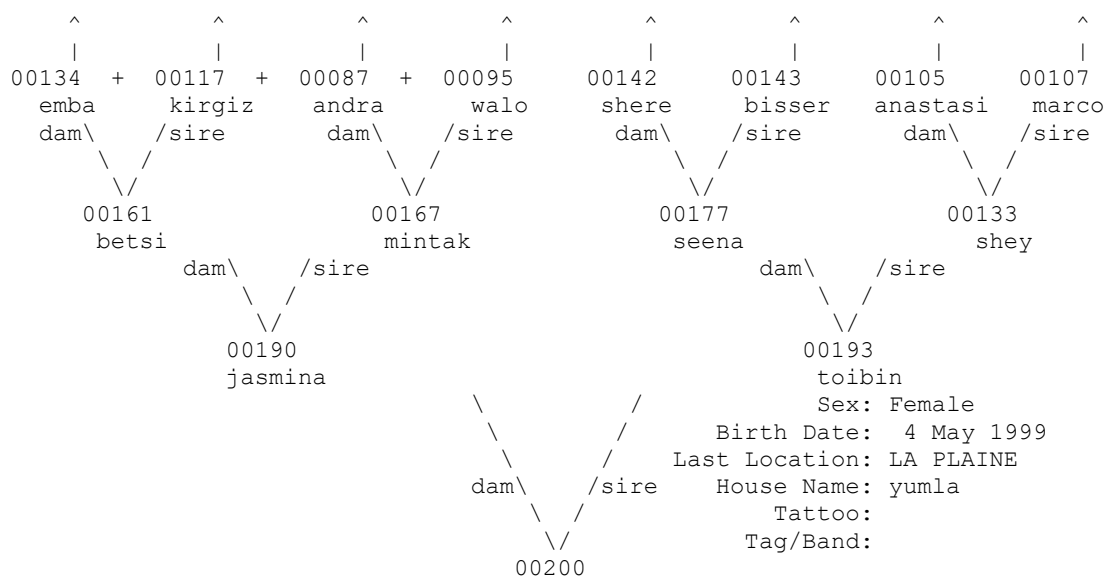
Taxon Name: UNCIA UNCIA Studbook Number: 00199



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

Taxon Name: UNCIA UNCIA Studbook Number: 00200



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

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=====
Taxon Name:  UNCIA  UNCIA                               Studbook Number:  00201
=====
          ^           ^           ^           ^           ^           ^           ^           ^
          |           |           |           |           |           |           |           |
00138   +   00127   +   00131   00124   +   WILD       WILD       00152       00128   +
martha   +   ramit   +   ning ku   ulan       dam\       dam\       shiva       kungei
dam\     /sire   dam\     /sire   dam\     /sire   dam\     /sire   dam\     /sire
 \      /      \      /      \      /      \      /      \      /
  00179         00163         00162   +         00171
 obich         don         rembo         schillin
 \      /      \      /
  dam\         dam\
   /sire       /sire
   \         \
    00196     00197
  oliviya    selton
              Sex: Female
              Birth Date:  1 Jun 1999
              Last Location: KREFELD   (dead)
              House Name:  odette
              Tattoo:
              Tag/Band:

          \      /
          dam\   /sire
           \    /
            00201

+ Wild-caught...   * Appear more than once...
^ Pedigree continues beyond top of page...

```

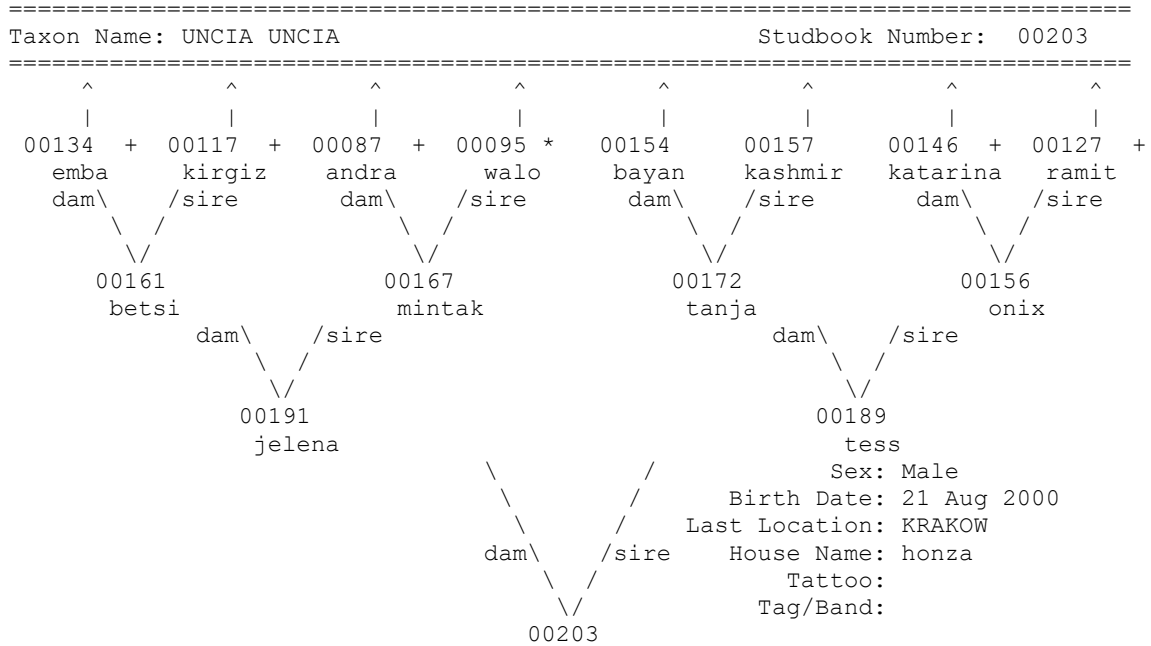
```

=====
Taxon Name: UNCIA UNCIA                                Studbook Number: 00202
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00089 *   00108   00131   00124   +   00088   +   00113   00104   00121
venla     kara     ning ku     ulan     +   dam\     +   irun     vivi     whisky
dam\      /sire    dam\      /sire    +   dam\      /sire    dam\     dam\     /sire
 \      /        \      /        \      /        \      /        \      /
  00148          00163          00145          00147
  korum          don          elli          joki
      \      /        \      /        \      /        \      /
      dam\     /sire    dam\     /sire    dam\     /sire
      \      /        \      /        \      /
      00188          00183
      inna          martin
                      Sex: Female
                      Birth Date: 8 May 2000
                      Last Location: KRAKOW
                      House Name:
                      Tattoo:
                      Tag/Band:

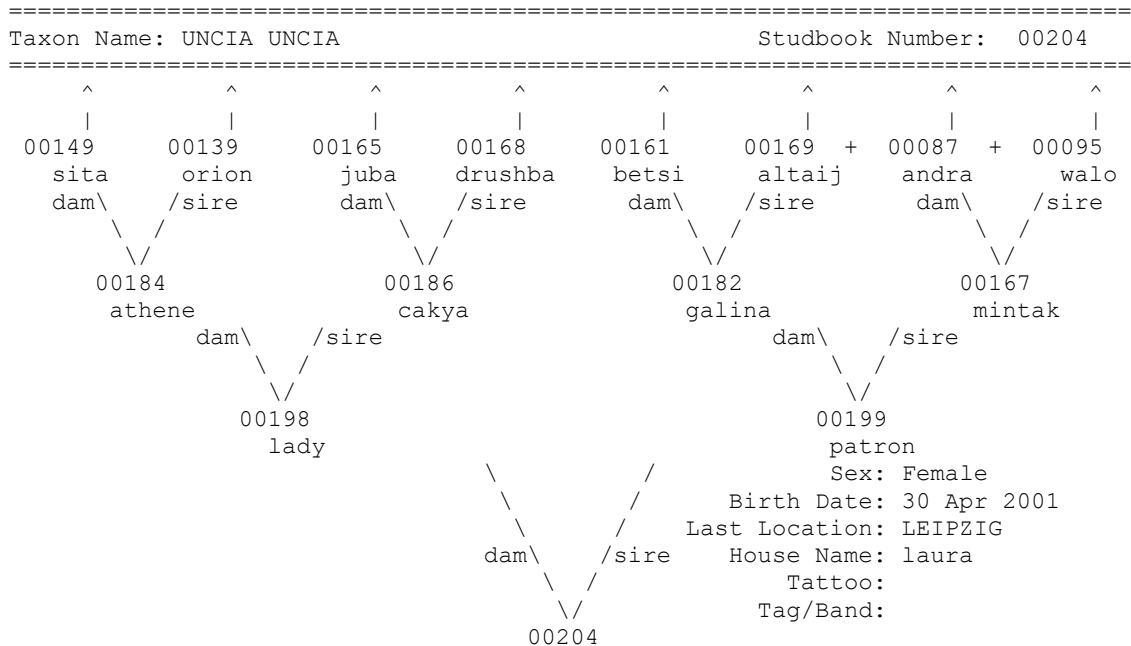
      \      /
      dam\     /sire
      \      /
      00202

+ Wild-caught...   * Appear more than once...
^ Pedigree continues beyond top of page...

```



+ Wild-caught... * Appear more than once...
 ^ Pedigree continues beyond top of page...

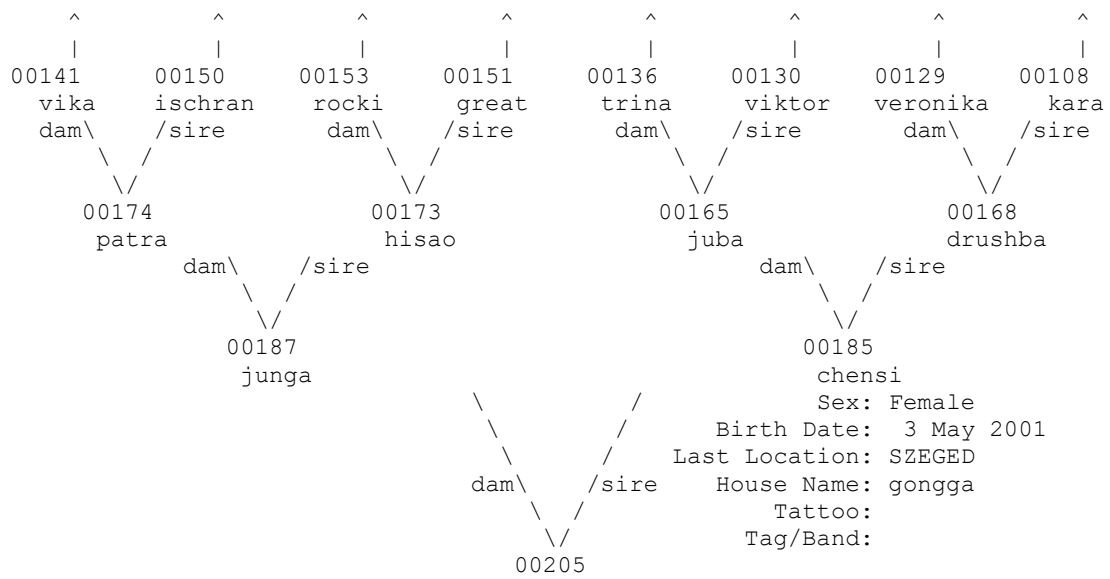


+ Wild-caught... * Appear more than once...
 ^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00205

=====



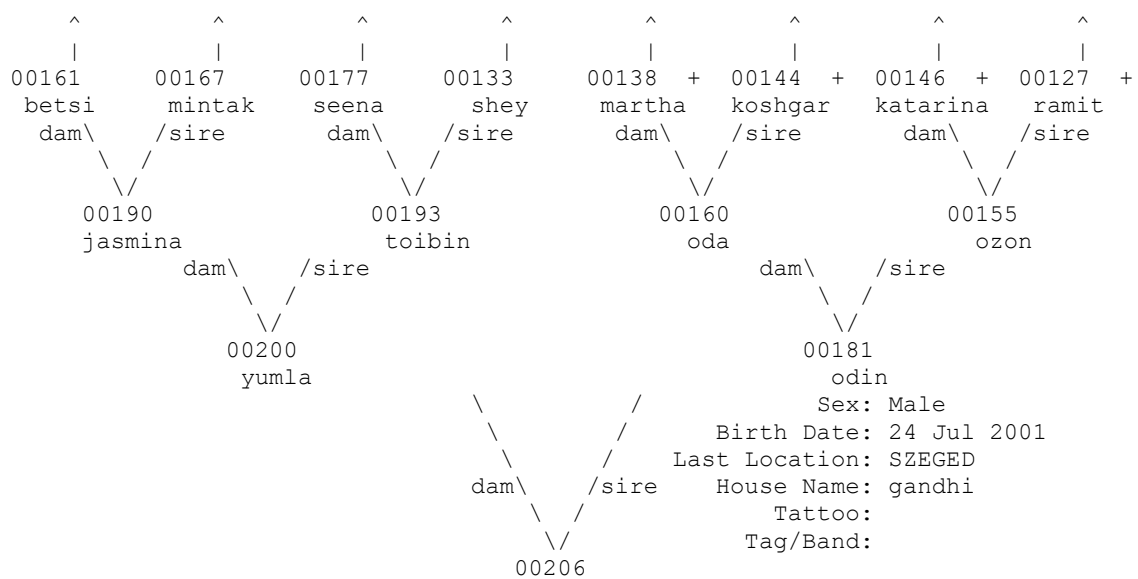
* Appear more than once...

^ Pedigree continues beyond top of page...

=====

Taxon Name: UNCIA UNCIA Studbook Number: 00206

=====



+ Wild-caught... * Appear more than once...

^ Pedigree continues beyond top of page...

```

=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00207
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00179  00163  00162 + 00171  00125  00121  00146 + 00127 *+
 obich  don   rembo  schillin  irina  whisky  katarina  ramit
 dam\  /sire  dam\  /sire  dam\  /sire  dam\  /sire  dam\  /sire
  \    /      \    /      \    /      \    /      \    /
00196  00197  00159  00156
oliviya selton  ina  onix
 dam\  /sire  dam\  /sire
  \    /      \    /
00201  00195
odette  leornado
      Sex: Male
      Birth Date: 20 Apr 2003
      Last Location: LEIPZIG
      House Name: onjegin
      Tattoo:
      Tag/Band:

      \    /      \    /
      dam\  /sire  dam\  /sire
      \    /      \    /
      00207

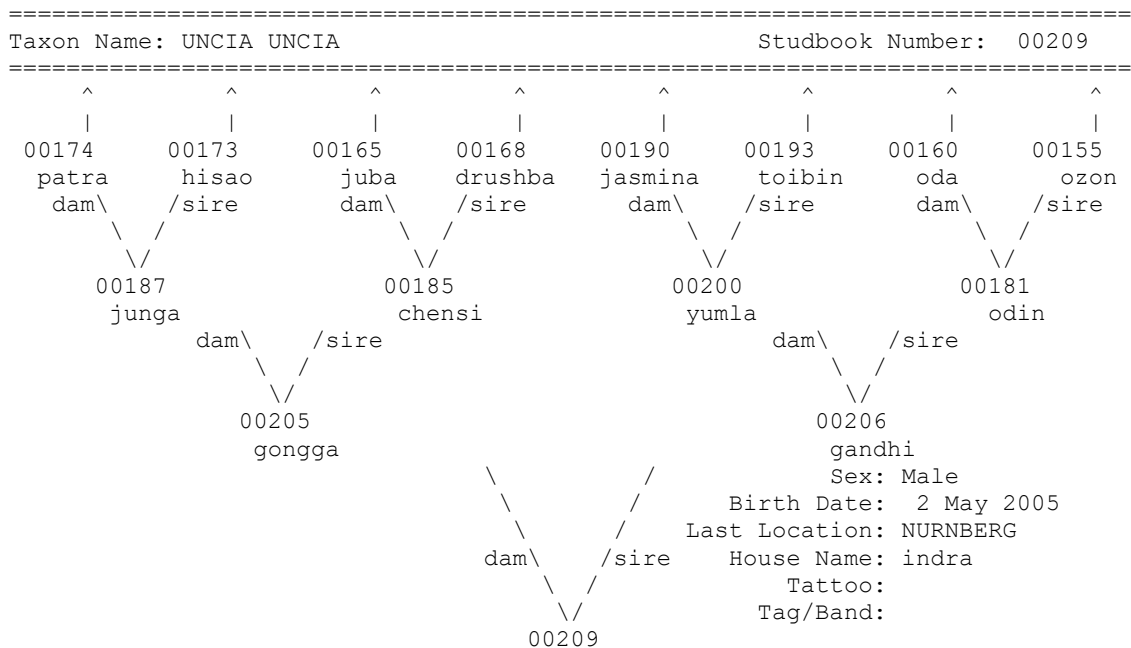
+ Wild-caught... * Appear more than once...
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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00208
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00148  00163  00145  00147  00161  00167  00172  00156
 korum  don   elli  joki   betsi  mintak  tanja  onix
 dam\  /sire  dam\  /sire  dam\  /sire  dam\  /sire  dam\  /sire
  \    /      \    /      \    /      \    /      \    /
00188  00183  00191  00189
 inna  martin  jelena  tess
 dam\  /sire  dam\  /sire
  \    /      \    /
00202  00203
      honza
      Sex: Female
      Birth Date: 12 May 2003
      Last Location: NURNBERG
      House Name:
      Tattoo:
      Tag/Band:

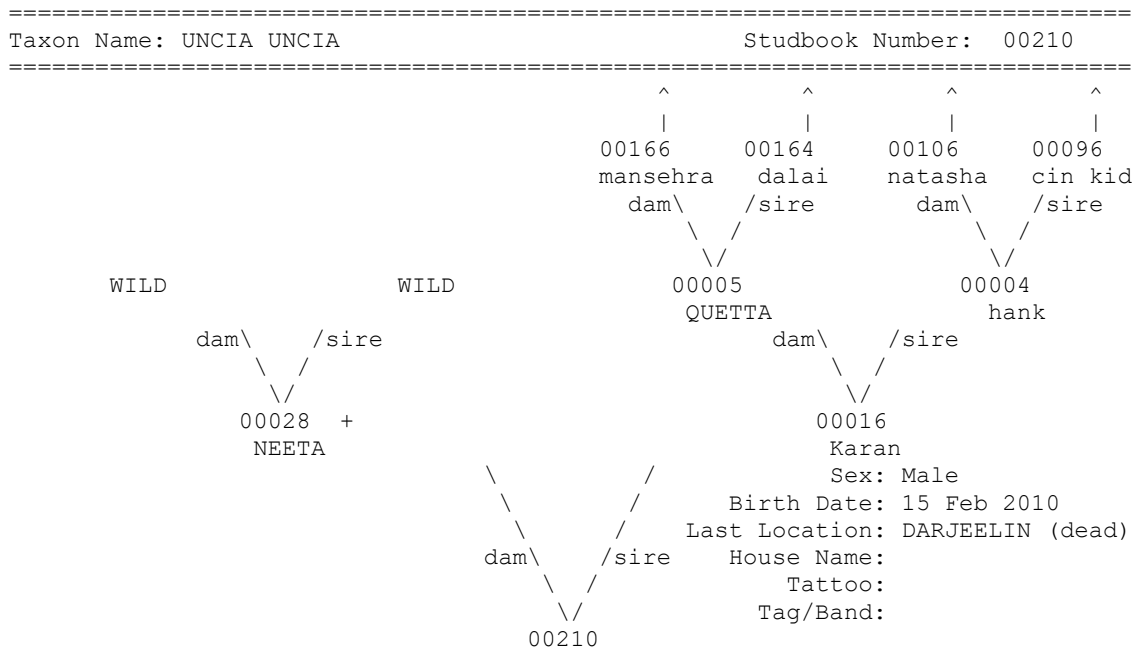
      \    /      \    /
      dam\  /sire  dam\  /sire
      \    /      \    /
      00208

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^ Pedigree continues beyond top of page...
  
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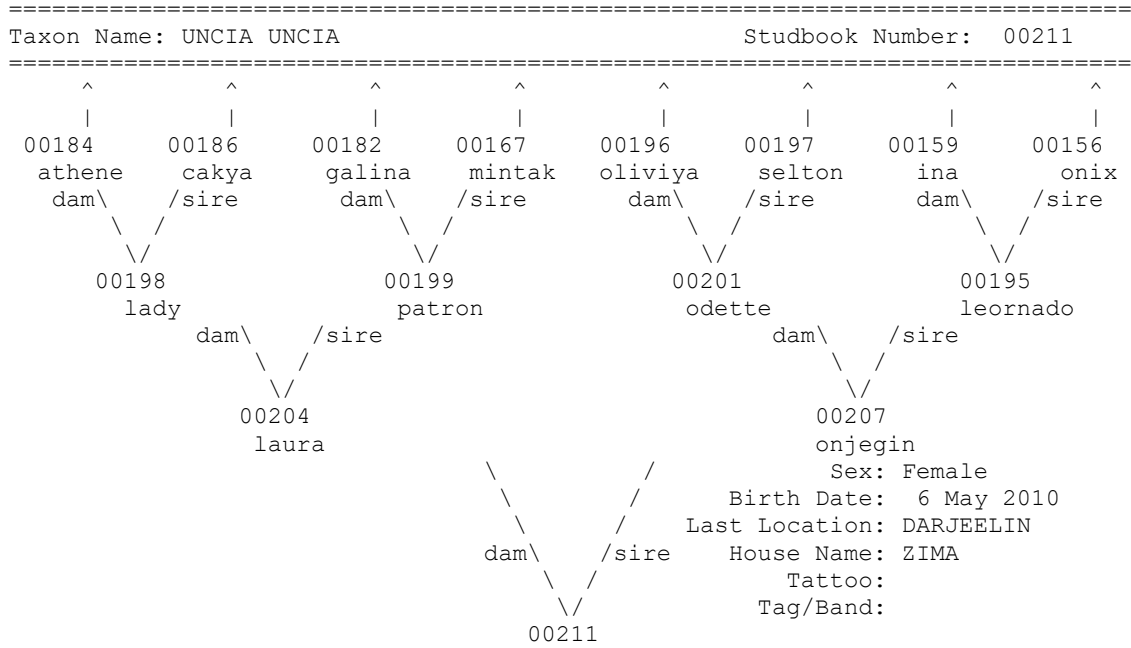
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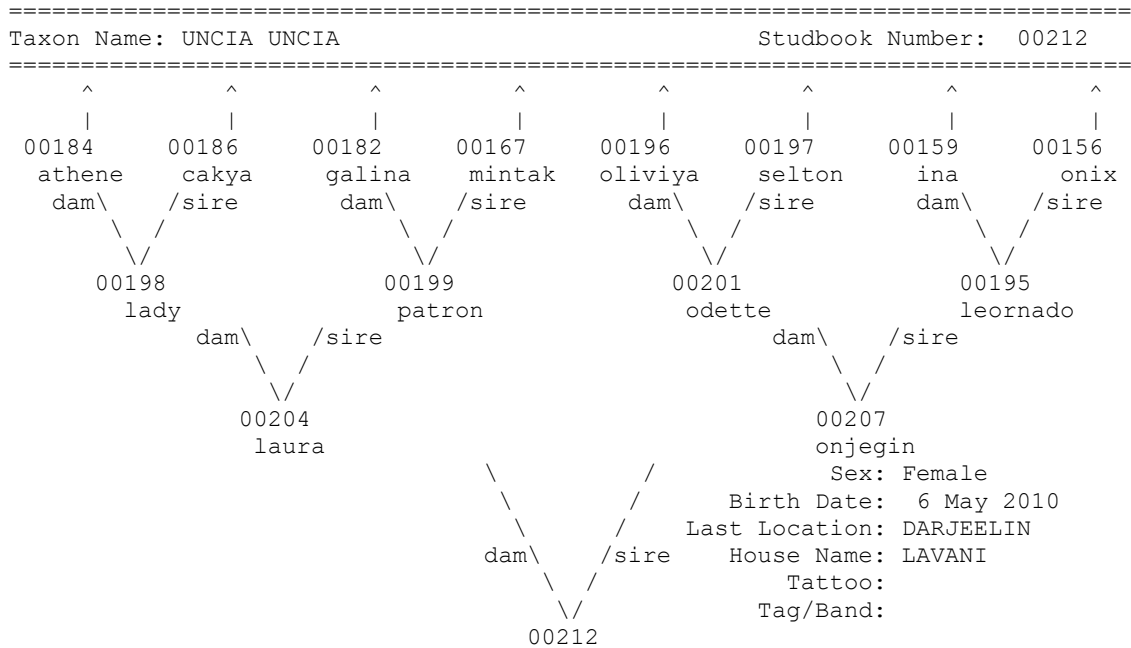
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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00213
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00188   00183   00191   00189   00187   00185   00200   00181
inna   martin   jelena   tess   junga   chensi   yumla   odin
dam\   /sire   dam\   /sire   dam\   /sire   dam\   /sire   dam\   /sire
  \   /       \   /       \   /       \   /       \   /       \   /
   00202       00203       00205       00206
               honza      gongga      gandhi
               dam\       dam\       dam\       dam\
               /sire      /sire      /sire      /sire
                \   /       \   /       \   /       \   /
                 00208       00209
                        indra
                        Sex: Female
                        Birth Date: 29 Apr 2010
                        Last Location: DARJEELIN
                        House Name: KIM
                        Tattoo:
                        Tag/Band:

                                \   /
                                dam\ /sire
                                 \   /
                                 00213
  
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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00214
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
WILD    WILD    00005 *  00004 *  00005 *  00004 *  00176 *  00192
               QUETTA   hank   QUETTA   hank   tai   irzig
               dam\   /sire   dam\   /sire   dam\   /sire   dam\   /sire
                 \   /       \   /       \   /       \   /       \   /
                  00028 +     00016     00015     00014
                  NEETA   Karan   URVASI     Tyson
                  dam\       dam\       dam\       dam\
                  /sire      /sire      /sire      /sire
                   \   /       \   /       \   /       \   /
                    00037       00034
                    RITU        PRABHAT
                               Sex: Female
                               Birth Date: 9 Sep 2011
                               Last Location: DARJEELIN (dead)
                               House Name:
                               Tattoo:
                               Tag/Band:

                                \   /
                                dam\ /sire
                                 \   /
                                 00214
  
```

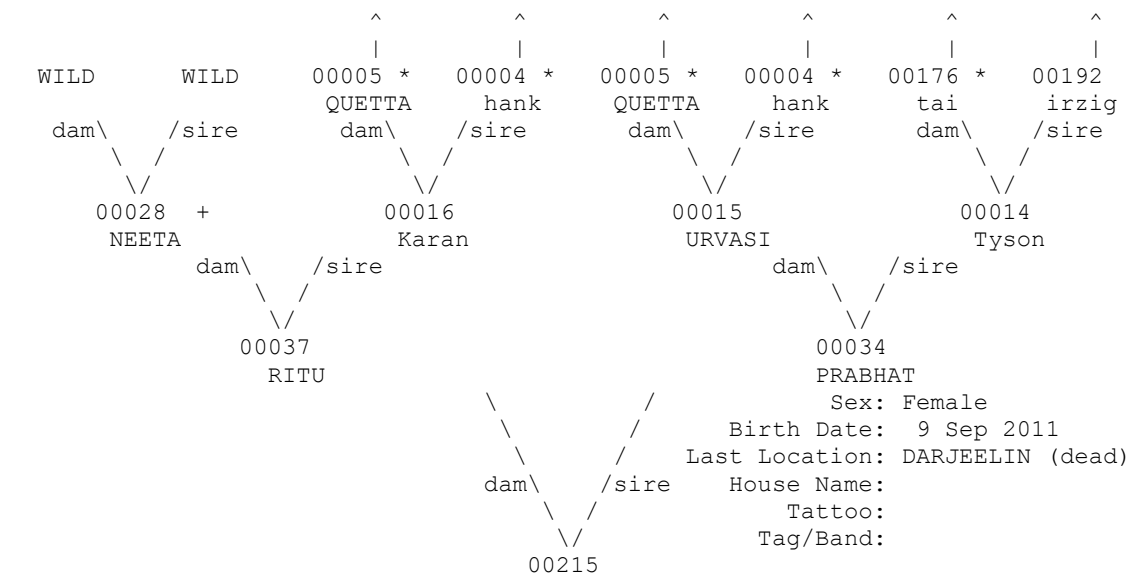
+ Wild-caught... * Appear more than once...

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Taxon Name: UNCIA UNCIA Studbook Number: 00215

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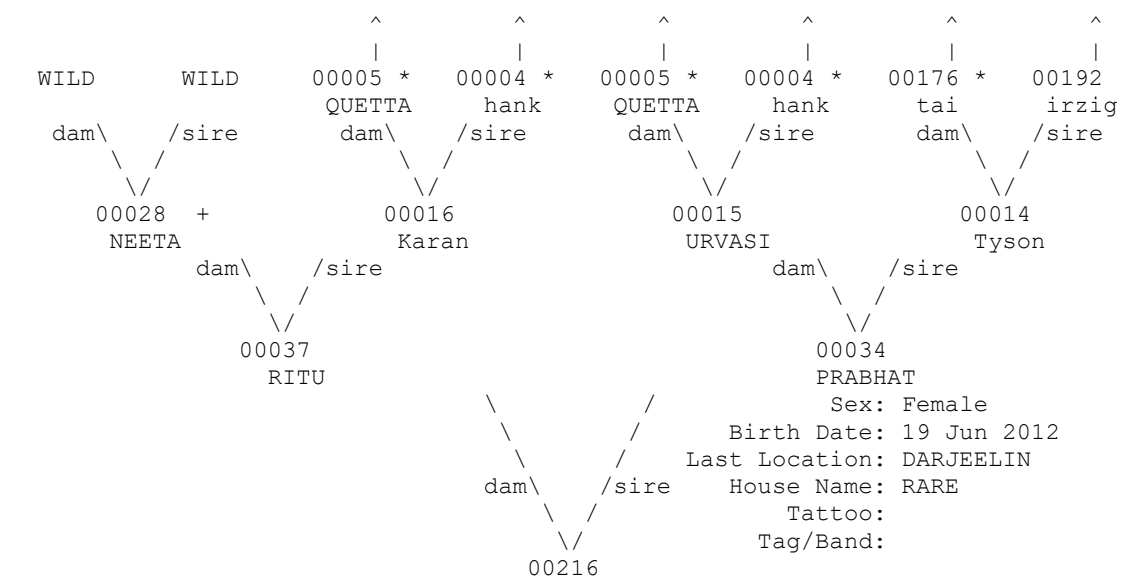
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Taxon Name: UNCIA UNCIA Studbook Number: 00216

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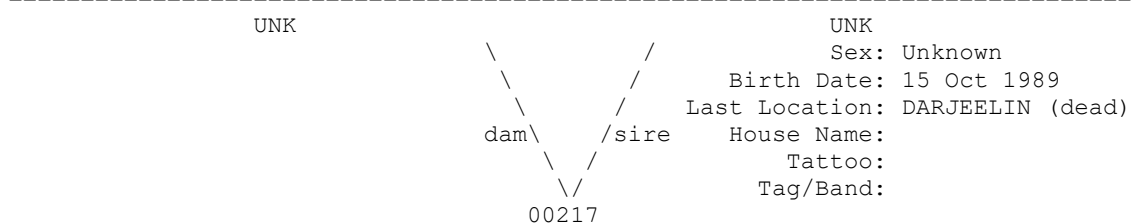
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Taxon Name: UNCIA UNCIA Studbook Number: 00217

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Taxon Name: UNCIA UNCIA                      Studbook Number: 00218
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00166 * 00164 * 00106 00096 00100 *+ 00095 * 00131 * 00124 *+
mansehra dalai natasha cin kid arga walo ning ku ulan
dam\ /sire dam\ /sire dam\ /sire dam\ /sire dam\ /sire dam\ /sire
  \ /      \ /      \ /      \ /      \ /      \ /      \ /
00005      00004      00166 *      00164 *
QUETTA      hank      mansehra      dalai
  dam\      dam\      dam\      dam\
   \ /      \ /      \ /      \ /
   00015      00007
   URVASI      QUIZIL
                Sex: Unknown
                Birth Date: 31 Mar 1999
                Last Location: DARJEELIN (dead)
                House Name:
                Tattoo:
                Tag/Band:
      \ /      \ /
      dam\      /sire
       \ /      /
       00218

+ Wild-caught... * Appear more than once...
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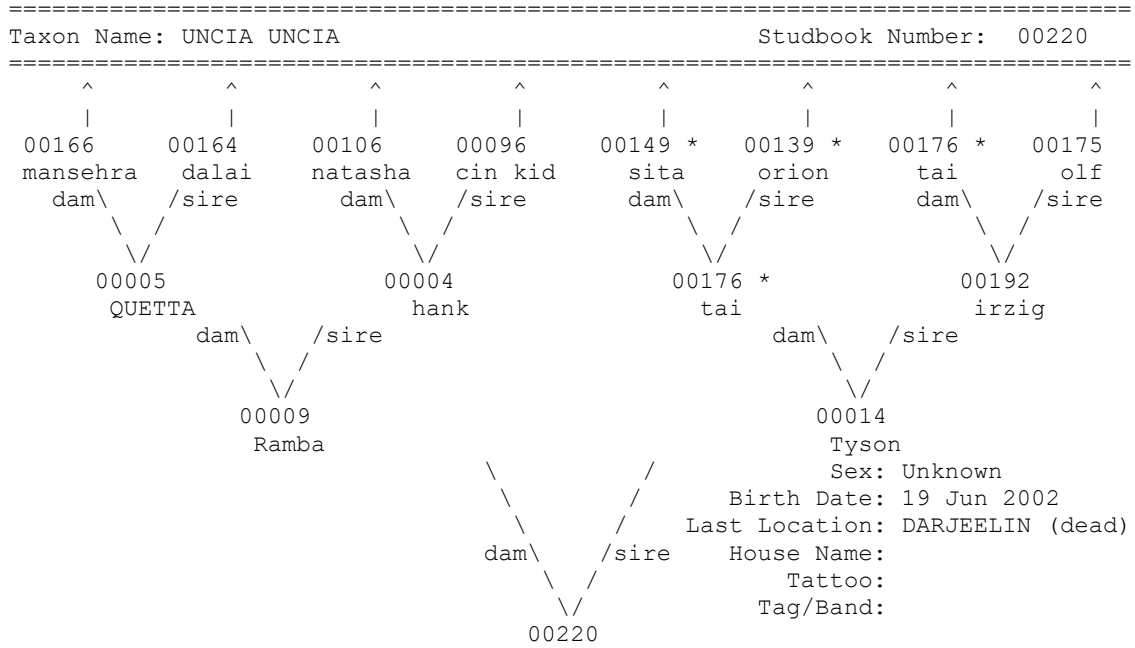
=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00219
=====
      ^           ^           ^           ^
      |           |           |           |
00166 00164 00106 00096
mansehra dalai natasha cin kid
dam\ /sire dam\ /sire
  \ /      \ /
00005      00004
QUETTA      hank
  dam\      dam\
   \ /      \ /
   00015
   URVASI

      \ /      \ /
      dam\      /sire
       \ /      /
       00219

                        UNK
                        Sex: Unknown
                        Birth Date: 19 Oct 1999
                        Last Location: DARJEELIN (dead)
                        House Name:
                        Tattoo:
                        Tag/Band:

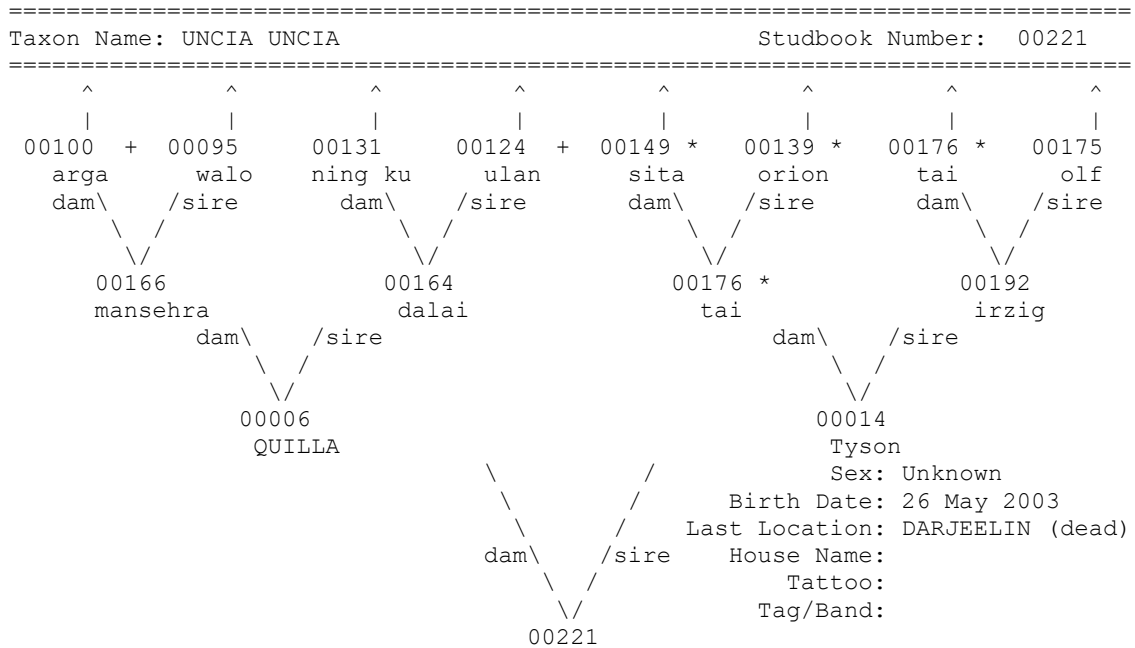
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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00222
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00100 + 00095   00131   00124 + 00149 * 00139 * 00176 * 00175
arga    walo    ning ku   ulan   sita    orion   tai    olf
dam\    /sire   dam\    /sire   dam\    /sire   dam\    /sire   dam\    /sire
  \    /      \    /      \    /      \    /      \    /      \    /
  00166      00164      00176 *      00192
mansehra    dalai    tai    irzig
  dam\      dam\      dam\      dam\
  \    /      \    /      \    /      \    /
  00006      00014
QUILLA      Tyson
              Sex: Unknown
              Birth Date: 26 May 2003
              Last Location: DARJEELIN (dead)
              House Name:
              Tattoo:
              Tag/Band:

              \    /
              dam\ /sire
              \    /
              00222

+ Wild-caught... * Appear more than once...
^ Pedigree continues beyond top of page...
  
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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00223
=====
      ^           ^           ^           ^
      |           |           |           |
00166   00164   00106   00096
mansehra dalai   natasha cin kid
  dam\    /sire   dam\    /sire
  \    /      \    /
  00005      00004
QUETTA      hank
  dam\      dam\
  \    /      \    /
  00015      UNK
URVASI

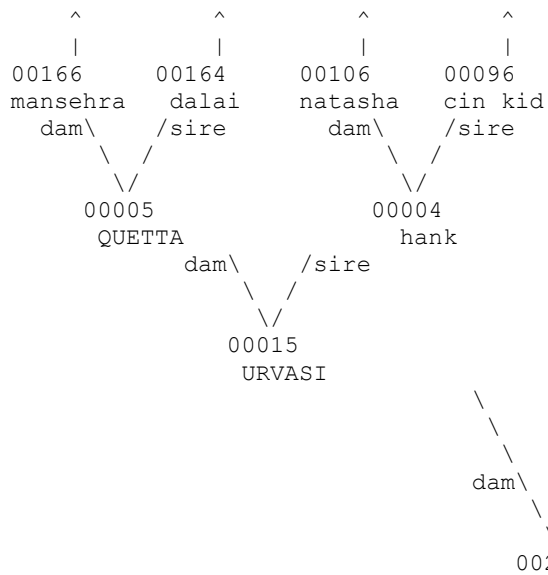
              Sex: Unknown
              Birth Date: 28 Feb 2004
              Last Location: DARJEELIN (dead)
              House Name:
              Tattoo:
              Tag/Band:

              \    /
              dam\ /sire
              \    /
              00223

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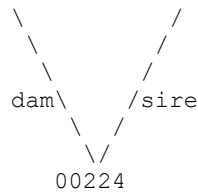
Taxon Name: UNCIA UNCIA

Studbook Number: 00224



UNK

Sex: Unknown
 Birth Date: 28 Feb 2004
 Last Location: DARJEELIN (dead)
 House Name:
 Tattoo:
 Tag/Band:

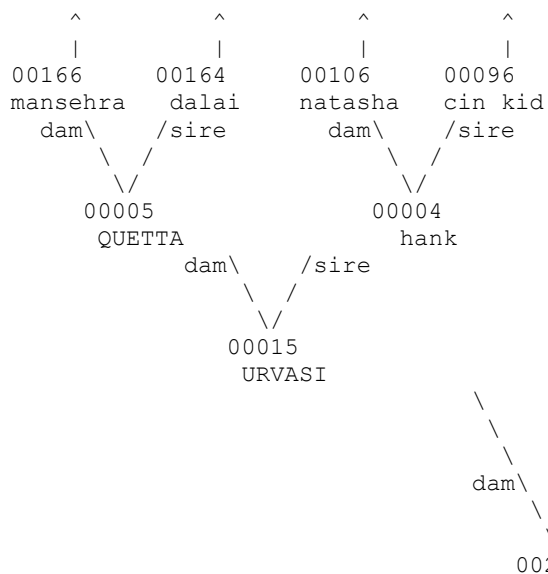


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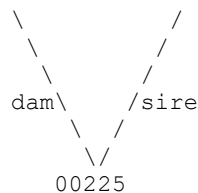
Taxon Name: UNCIA UNCIA

Studbook Number: 00225



UNK

Sex: Unknown
 Birth Date: 28 Feb 2004
 Last Location: DARJEELIN (dead)
 House Name:
 Tattoo:
 Tag/Band:



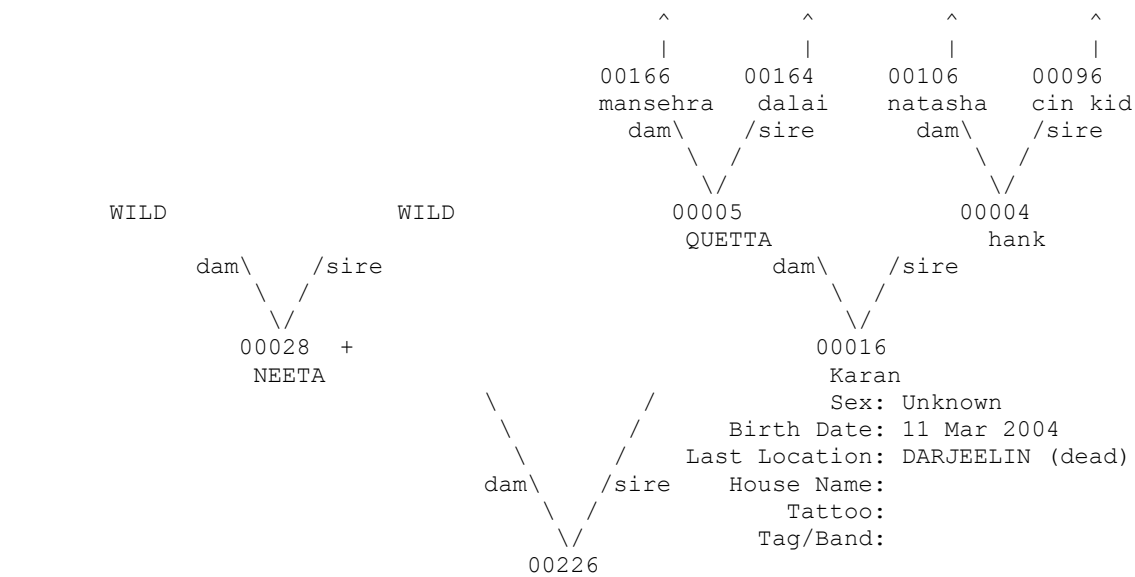
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Taxon Name: UNCIA UNCIA Studbook Number: 00226

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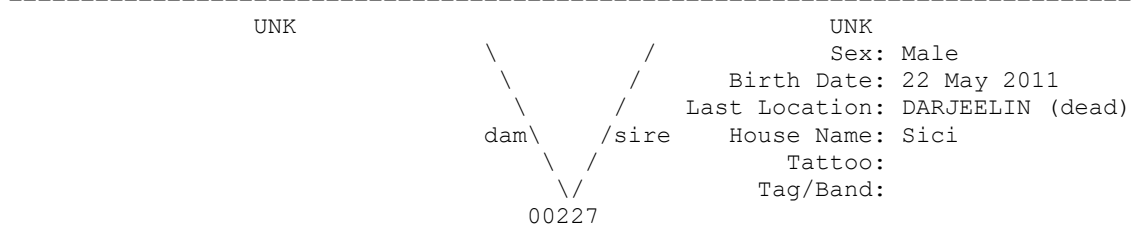
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Taxon Name: UNCIA UNCIA Studbook Number: 00227

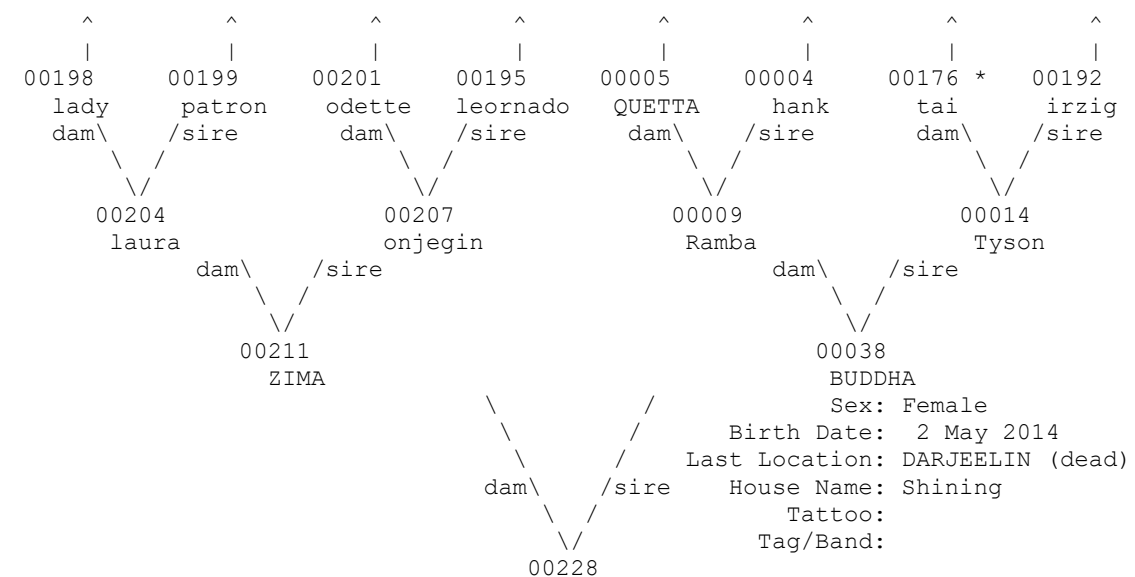
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Taxon Name: UNCIA UNCIA Studbook Number: 00228

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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00229
=====
      ^           ^           ^           ^           ^           ^           ^           ^
      |           |           |           |           |           |           |           |
00198  00199  00201  00195  00005  00004  00176 *  00192
 lady  patron odette leornado QUETTA  hank  tai  irzig
 dam\  /sire dam\  /sire dam\  /sire dam\  /sire dam\  /sire
  \    /    \    /    \    /    \    /    \    /
00204  00207  00009  00014
laura  onjegin Ramba  Tyson
 dam\  /sire dam\  /sire
  \    /    \    /
00211  00038
 ZIMA  BUDDHA
      Sex: Female
      Birth Date: 2 May 2014
      Last Location: DARJEELIN
      House Name: MORNING
      Tattoo:
      Tag/Band:
      \    /
      dam\  /sire
      \    /
      00229
  
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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00230
=====
      UNK                                     UNK
      \    /                               Sex: Male
      dam\  /sire                         Birth Date: 17 Apr 2014
      \    /                               Last Location: DARJEELIN
      00230                               House Name: MAKALU
      \    /                               Tattoo:
      dam\  /sire                         Tag/Band:
      \    /
      00230
  
```

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=====
Taxon Name: UNCIA UNCIA                      Studbook Number: 00231
=====
      UNK                                     UNK
      \    /                               Sex: Male
      dam\  /sire                         Birth Date: 16 Jun 2014
      \    /                               Last Location: DARJEELIN
      00231                               House Name: NAMKHA
      \    /                               Tattoo:
      dam\  /sire                         Tag/Band:
      \    /
      00231
  
```

Location Glossary

Mnemonic	Location
ARNHEM	Burger's Zoo En Safari, Arnhem, Netherlands
BASEL	Zoologischer Garten Basel, Basel, Switzerland
BEKESBRNE	Howletts Wild Animal Park, Kent, England
BOISE	Zoo Boise, Boise, Idaho, U.S.A.
BRATISLAV	Zoologicka Zahrada Bratislava, Bratislavsky Kr, Slovakia
CENTERHIL	Rare Feline Breeding Compound, Florida, USA
CHICAGOBR	Chicago Zoological Park, Brookfield, Illinois, USA
CHICAGOLP	Lincoln Park Zoological Gardens, Chicago, Illinois, USA
CINCINNAT	Cincinnati Zoo & Botanical Garden, Ohio, USA
CLEVELAND	Cleveland Metroparks Zoo, Ohio, USA
COLUMBUS	Columbus Zoo and Aquarium, Ohio, USA
COPENHAGE	Copenhagen Zoo, Frederiksberg, Denmark
DARJEELIN	Padmaja Naidu Himalayan Zoological Park, Darjeeling
DENVER	Denver Zoological Gardens, Colorado, USA
DUBLIN	Zoological Society of Ireland-Dublin, Ireland
DUDLEY	Dudley Zoological Gardens, England, United Kingdom
DUSHANBE	Bogi Khaivonoti Dushanbe, Tajikistan
DVURKRALV	ZOO Dvur Kralove, Czech Republic
EGG	Egg, Bern, Switzerland
EICHBERG	Zoologische Station Eichberg, Saint Gallen, Switzerland
FRANCE	France
FRUNZE	Zoo in Frunze, Chuyskaya, Kyrgyzstan
GANGTOK	Himalayan Zoological Park, Sikkim, India
HANSTEDT	Wildpark Lüneburger Heide, Germany
HARBIN	Harbin Zoological Garden, Heilungkiang, Republic of China
HELSINKI	Helsinki Zoo, Finland
HOGLE	Utah's Hogle Zoo, Salt Lake City, Utah, USA
HUNBSTRND	Nordens Ark, Hunnebostrand, Sweden
INDIA	India
JIHLAVA	Zoologicka Zahrada Jihlava, Czech Republic
KALININGR	Kaliningrad Zoopark, Russian Fed
KAZAKHSTA	KAZAKHSTAN
KOLN	Cologne Zoo, Germany
KRAKOW	Park i Ogród Zoologiczny w Krakowie, Poland
KREFELD	Zoo Krefeld gGmbH, Germany
KYRGYZSTA	Kyrgyzstan
LA PLAINE	Espace Zoologique de St-Martin-la-Plai, France
LEIPZIG	Zoologischer Garten Leipzig, Germany
LIBEREC	Zoo Liberec, Czech Republic
LITTLEROC	Little Rock Zoological Gardens, Arkansas, USA
LODZ	Miejski Ogród Zoologiczny w Lodz, Poland
LOSANGELE	Los Angeles Zoo & Botanical Gardens, California, USA
LYMPNE	Port Lympne Wild Animal Park, England, United Kingdom
MARWELL	Marwell Zoological Park, England, United Kingdom

Mnemonic	Location
MONGOLIA	Mongolia
MOSCOW	Moscow Zoological Park, Russian Fed
MULHOUSE	Parc Zoologique Et Botanique, Mulhouse, France
MUNICH	Muenchener Tierpark Hellabrunn, Germany
NAGOYA	Nagoya Higashiyama Zoo, Aichi, Japan
NAINITAL	Pt. G. B. Pant Himalayan Zoological Park, Nainital India
NETTUNO	Felis Phoenix, Nettuno, Latium, Italy
NEWPORNEW	Peninsula Nature & Science Center, Virginia, USA
NOVOSIBRK	Novosibirsk Zoological Park, Russia
NURNBERG	Tiergarten D. Stadt Nürnberg, Germany
NY BRONX	Bronx Zoo/Wildlife Conservation Society, New York, USA
ODENSE	Odense Zoologiske Have, Odense C, Denmark
OKLAHOMA	Oklahoma City Zoological Park, Oklahoma, USA
OPOLE	Ogrod Zoologiczny w Opolu, Opole, Poland
PHILADELP	The Philadelphia Zoo, Pennsylvania, USA
PHOENXTG	Tropic Gardens Zoo, Phoenix, Arizona, USA
POZNAN	Ogrod Zoologiczny w Poznaniu, Poland
RIGA	Riga Zoo, Riga, Latvia
RUSSIA	Russian Federation
SAN ANTON	San Antonio Zoological Gardens & Aquarium, Texas, USA
SAN FRAN	San Francisco Zoological Gardens, California, USA
SANDIEGOZ	Zoological Society of San Diego, California, USA
SAPPORO	Sapporo Maruyama Zoo, Hokkaido, Japan
KUFRI	Himalayan Zoological Park, Shimla, India
SOUTHBEND	Potawatomi Zoo, Indiana, USA
ST LOUIS	Saint Louis Zoological Park, Missouri, USA
ST PAUL	St. Paul's Como Zoo, Minnesota, USA
ST PETERS	Leningrad Zoo - St. Petersburg, Russian Fed.
SZEGED	Szeged Zoo, Cserepes-sor, Hungary
TALLIN	Tallinn Zoo, Estonia
TOLEDO	Toledo Zoological Gardens, Ohio, USA
TORONTO	Toronto Zoo, Ontario, Canada
WUPPERTAL	Zoologischer Garten Wuppertal, Germany
XINING	Xining People's Park, Rep. of China
ZOO OBJED	Zooobjedinenije (Moscow Zoo Center), Moscow, Russian Fed
ZURICH	Zoo Zürich, Switzerland