



Siberian Crane – *Grus leucogeranus*

International & EEP Studbook

December 2009

Oka State Nature Biosphere Reserve

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International & EAZA EEP

Siberian Crane Studbook

Grus leucogeranus

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Data current as of 01 December 2009

SIBERIAN CRANE (*Grus leucogeranus*) International & EEP Studbook - Historical Listing

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
1	M	~ 1910	WILD	WILD	WILD WALSRODE BARABOO	~ Oct 1910 31 Dec 1910 15 Sep 1976 20 Aug 1988	NONE NONE 060001	Capture Transfer Transfer Death	ICF #06-01	WOLF
2	M	~ 1930	WILD	WILD	WILD BUDAPEST BASEL BERLINZOO	~ 1932 ~ 1932 ~ 1950 ~ 1962 ~ Jul 1995	NONE NONE NONE NONE	Capture Transfer Transfer Transfer Death		
3	F	~ 1953	WILD	WILD	WILD MAMI RARE PHILADELP BARABOO	~ Apr 1954 ~ Jun 1954 9 Jul 1954 22 Jul 1976 21 Jan 1978	NONE NONE 200117 060002	Capture Transfer Transfer Transfer Death	ICF #06-02	PHYLLIS
4	F	~ 1968	WILD	WILD	CHINA HIRAKAWA BARABOO	9 Nov 1969 9 Nov 1969 17 Nov 1977 19 Feb 1996	NONE NONE 060005	Capture Transfer Transfer Death		HIRAKAWA
5	M	~ 1969	WILD	WILD	UNKNOWN WALSRODE BARABOO	~ 1970 ~ 1978 18 Dec 1979 11 Feb 1990	NONE NONE 060010	Capture Transfer Transfer Death	ICF #6-10	TILLIMAN
6	M	????	UNK	UNK	NY BRONX NYP-WASH	~ 1905 8 Jun 1906 30 Jun 1906	NONE 6463	Transfer Transfer Death		
7	F	????	UNK	UNK	NY BRONX NYP-WASH	~ 1905 8 Jun 1906 16 Jun 1906	NONE 6464	Transfer Transfer Death		
8	F	????	UNK	UNK	NY BRONX NYP-WASH	~ 1905 26 Jun 1906 22 Mar 1968	NONE 6505	Transfer Transfer Death		
9	?	????	UNK	UNK	NY BRONX NYP-WASH	~ 1905 26 Jun 1906 21 Jul 1914	NONE 6506	Transfer Transfer Death		
10	?	????	UNK	UNK	PUBLIC NYP-WASH	~ 1905 30 Mar 1916 13 Jul 1916	NONE 9253	Transfer Transfer Death		
11	F	????	UNK	UNK	CLEVELAND PHILADELP	~ Jan 1966 7 Jul 1966 5 Jun 1968	NONE 21604	Transfer Transfer Death	8-6909	
12	F	11 Jul 1977	WILD6	WILD7	BARABOO	11 Jul 1977 21 Mar 1990	060003	Hatch Death	ICF #6-03	VLADIMIR
13	F	13 Jul 1977	WILD6	WILD7	BARABOO	13 Jul 1977 10 Oct 1987	060004	Hatch Death	ICF #06-04	KYTA
14	M	~ 1978	WILD	WILD	RUSSIA OKA CRANE	30 Oct 1979 30 Oct 1979 11 Sep 1986	NONE OKA-5	Capture Transfer Death		SAUEY
15	M	~ 1978	WILD	WILD	RUSSIA OKA CRANE	4 Jan 1982 4 Jan 1982	OKA-19 OKA-19	Capture Transfer		UCHUR
16	M	4 Jul 1978	WILD	WILD	MADISON	4 Jul 1978 12 Jul 1978	040778	Hatch Death		SASHA
17	M	12 Aug 1978	WILD	WILD	BARABOO	12 Aug 1978 9 Oct 1998	060007	Hatch Death	ICF #06-07	EDUARD
18	M	12 Aug 1978	WILD	WILD	BARABOO	12 Aug 1978	060008	Hatch	ICF #06-08	BAZOV
19	F	14 Jul 1978	WILD	WILD	BARABOO	14 Jul 1978 7 Dec 2006	060009	Hatch Death	ICF #06-09	TANYA
20	M	30 Jun 1978	WILD	WILD	BARABOO	30 Jun 1978 8 Dec 1988	060006	Hatch Death	ICF #06-06	AEROFLOT
21	F	27 Jun 1979	WILD	WILD	OKA CRANE	27 Jun 1979 5 Sep 1979	OKA-1	Hatch Death		TIXI

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
22	F	28 Jun 1979	WILD	WILD	OKA CRANE	28 Jun 1979 13 Mar 1985	OKA-2	Hatch Death		GEORGE
23	M	1 Jul 1979	WILD	WILD	OKA CRANE	1 Jul 1979 14 Jul 1979	OKA-4	Hatch Death		RON
24	M	6 Jul 1979	WILD	WILD	OKA CRANE	6 Jul 1979 21 Aug 1979	OKA-3	Hatch Death		ELIZABET
25	F	4 Jul 1980	WILD	WILD	WALSRODE	4 Jul 1980 22 Nov 1996	BNU002	Hatch Death	8152	MARIA
26	M	29 Jun 1980	WILD8	WILD9	OKA CRANE	29 Jun 1980 3 Aug 1986	OKA-6	Hatch Death		SANYA
27	M	27 Jun 1980	WILD	WILD	OKA CRANE WALSRODE CRACID BC	27 Jun 1980 14 Jan 1991 15 Nov 2000	OKA-17 BNU005 GLT016	Hatch Transfer Transfer	OKA-17	NATASHA
28	F	1 Jul 1980	WILD10	WILD11	OKA CRANE CAMBRON	1 Jul 1980 9 Mar 1995	OKA-7 629	Hatch Transfer	A113902	FLINT
29	M	1 Jul 1980	WILD	WILD	OKA CRANE	1 Jul 1980 6 Aug 1981	OKA-8	Hatch Death		BREHM
30	F	4 Jul 1980	WILD8	WILD9	WALSRODE CRACID BC	4 Jul 1980 1 Nov 2002	BNU001 GLT029	Hatch Transfer		EVA
31	F	1 Jul 1980	WILD	WILD	WALSRODE HIRAKAWA	1 Jul 1980 30 Jun 1987	WLS-3 8180	Hatch Transfer		LAZARUS
32	M	2 Jul 1980	WILD	WILD	OKA CRANE	2 Jul 1980 2 Sep 1980	OKA-9	Hatch Death		PANCH
33	M	2 Jul 1980	WILD10	WILD11	OKA CRANE	2 Jul 1980	OKA-10	Hatch		SERGEY
34	M	3 Jul 1980	WILD	WILD	OKA CRANE MOSCOW	3 Jul 1980 8 Aug 1982 8 Nov 1989	OKA-11 820216	Hatch Transfer Death	#5	JOY
35	M	3 Jul 1980	WILD	WILD	OKA CRANE MOSCOW	3 Jul 1980 16 Mar 1998	OKA-12 980099	Hatch Transfer		LIBBI
36	M	3 Jul 1980	WILD	WILD	OKA CRANE	3 Jul 1980 31 Aug 2003	OKA-13	Hatch Death		SVET
37	M	4 Jul 1980	WILD	WILD	OKA CRANE	4 Jul 1980	OKA-14	Hatch		NAZAR
38	M	4 Jul 1980	WILD	WILD	OKA CRANE	4 Jul 1980 20 Oct 1983	OKA-15	Hatch Death		JERRY
39	F	14 Jul 1980	WILD	WILD	OKA CRANE	14 Jul 1980 9 Jul 1997	OKA-16	Hatch Death		MARK
40	M	4 Jun 1981	5	4	BARABOO	4 Jun 1981	060011	Hatch	ICF #06-11	DUSHENKA
41	?	21 Jun 1981	5	4	BARABOO	21 Jun 1981 21 Jun 1981	210681	Hatch Death		USCHI
42	F	28 Jun 1981	WILD	WILD	OKA CRANE	28 Jun 1981	OKA-18	Hatch		YULIY
43	M	13 May 1982	5	4	BARABOO	13 May 1982 18 Nov 1988	060012	Hatch Death		GANDHI
44	M	16 May 1982	1	4	BARABOO HIRAKAWA	16 May 1982 26 Mar 1984 21 Apr 1995	060013 NONE	Hatch Transfer Death	ICF #06-13	POYANG
45	F	22 May 1982	1	4	BARABOO	22 May 1982 13 Sep 1997	060014	Hatch Death	ICF #06-14	RAMSAR
46	?	8 Jun 1982	UNK	4	BARABOO	8 Jun 1982 24 Aug 1982	080682	Hatch Death		SOROKIN
47	F	12 Jun 1992	37	42	OKA CRANE CAMBRON	12 Jun 1992 9 Mar 1995	OKA-58 630	Hatch Transfer	A113504	BLANKA
48	M	30 Jun 1983	WILD	WILD	OKA CRANE	30 Jun 1983 15 Aug 1983	OKA-20	Hatch Death		ABI

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
49	?	2 Jul 1983	WILD	WILD	OKA CRANE	2 Jul 1983 3 Jul 1983	OKA-21	Hatch Death		
50	M	2 Jul 1983	WILD	WILD	OKA CRANE	2 Jul 1983 13 Oct 1983	OKA-22	Hatch Death		DEMJANYCH
51	F	8 Jul 1983	WILD	WILD	OKA CRANE	8 Jul 1983 18 Dec 1983	OKA-23	Hatch Death		JIM
52	M	9 Jul 1983	WILD	WILD	OKA CRANE CRACID BC	9 Jul 1983 20 Jan 1995 1 Apr 1999	OKA-24 GLT001	Hatch Transfer Death		LORENZ
53	M	11 Jul 1983	WILD	WILD	OKA CRANE	11 Jul 1983 20 Jul 1985	OKA-25	Hatch Death		CHEEP
54	M	12 Jul 1983	WILD	WILD	OKA CRANE	12 Jul 1983 17 Jul 1983	OKA-26	Hatch Death		
55	F	13 Jul 1983	WILD	WILD	OKA CRANE	13 Jul 1983 7 Aug 1983	OKA-27	Hatch Death		STELLA
56	F	15 Jul 1983	WILD	WILD	OKA CRANE	15 Jul 1983 10 Apr 1996	OKA-28	Hatch Death		PRA
57	M	16 May 1984	5	4	BARABOO WALSRODE CRACID BC	16 May 1984 16 Mar 1988 1 Nov 2002	060015 BNU003 GLT030	Hatch Transfer Transfer	ICF #06-15	BENJIE
58	M	19 May 1984	18	4	BARABOO	19 May 1984	060016	Hatch	ICF #06-16	A. WRIGHT
59	M	26 May 1984	18	4	BARABOO	26 May 1984 25 Sep 1987	060017	Hatch Death	ICF #06-17	AVERY
60	F	18 Jun 1984	5	12	BARABOO	18 Jun 1984 23 Jul 2007	060018	Hatch Death	ICF 06-018DR	SAAB
61	M	20 Jun 1984	18	4	BARABOO WALSRODE CRACID BC	20 Jun 1984 16 Mar 1988 1 Mar 1999	060019 BNU004 GLT010	Hatch Transfer Transfer	D8302	FERGUSON
62	M	10 Jun 1985	18	4	BARABOO TOKYOTAMA	10 Jun 1985 12 Mar 1986 14 Sep 2005	060020 1461	Hatch Transfer Death	BLUE	GOLE
63	M	20 Jun 1985	5	12	BARABOO TOKYOTAMA	20 Jun 1985 12 Mar 1986	060021 1462	Hatch Transfer	GREEN	SAMAR
64	F	17 May 1986	18	4	BARABOO	17 May 1986	060022	Hatch	ICF #06-22	RANJIT
65	M	27 May 1986	18	4	BARABOO	27 May 1986 27 Nov 1990	060023	Hatch Death	ICF 06-23	LEIF
66	F	17 Jun 1986	43	12	BARABOO	17 Jun 1986 21 May 1988	060024	Hatch Death	ICF #06-24	SPITZIN
67	M	2 Jul 1986	WILD	WILD	OKA CRANE	2 Jul 1986	OKA-30	Hatch		KIENG
68	F	3 Jul 1986	WILD	WILD	OKA CRANE	3 Jul 1986	OKA-31	Hatch		BANYL
69	F	3 Jul 1986	WILD	WILD	OKA CRANE	3 Jul 1986 7 Aug 1986	OKA-32	Hatch Death		IGEL
70	M	3 Jul 1986	WILD	WILD	OKA CRANE MOSCOW	3 Jul 1986 13 Oct 1986 24 Nov 1986	OKA-33 860800	Hatch Transfer Death		KULUMER
71	M	4 Jul 1986	WILD	WILD	OKA CRANE	4 Jul 1986 30 Jul 1986	OKA-35	Hatch Death		UOL
72	M	4 Jul 1986	WILD	WILD	OKA CRANE	4 Jul 1986 3 Nov 1986	OKA-34	Hatch Death		KJUEL
73	M	5 Jul 1986	WILD	WILD	OKA CRANE	5 Jul 1986	OKA-36	Hatch		BAKUL
74	F	6 Jul 1986	WILD	WILD	OKA CRANE CRACID BC	6 Jul 1986 20 Jan 1995	OKA-38 GLT002	Hatch Transfer		USUN
75	F	6 Jul 1986	WILD	WILD	OKA CRANE	6 Jul 1986	OKA-37	Hatch		BYUGYUCHEN

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
76	F	6 Jul 1986	WILD	WILD	OKA CRANE	6 Jul 1986 2 Jun 1987	OKA-39	Hatch Death		UJTE
77	M	14 Jul 1986	WILD	WILD	OKA CRANE MOSCOW	14 Jul 1986 11 Nov 1989 19 Oct 1991	OKA-40 890279	Hatch Transfer Death	#2	BUT
78	M	29 May 1987	40	13	BARABOO	29 May 1987	060025	Hatch	ICF #06-25	HIMA
79	M	4 Jun 1987	40	12	BARABOO	4 Jun 1987	060026	Hatch	ICF #06-26	MODA
80	?	8 Jun 1987	40	12	BARABOO	8 Jun 1987 17 Jun 1987	NONE	Hatch Death		RAH
81	F	18 Jun 1987	5	12	BARABOO	18 Jun 1987 23 Feb 1990	060027	Hatch Death	ICF #06-27	BLU
82	M	~ 1982	WILD	WILD	RUSSIA OKA CRANE	16 Oct 1987 16 Oct 1987	OKA-42 OKA-42	Capture Transfer		KOLYMA
83	?	14 May 1988	43	12	BARABOO	14 May 1988 14 May 1988	060028	Hatch Death		
84	F	20 May 1988	43	12	BARABOO	20 May 1988 13 Sep 1988	060029	Hatch Death	ICF #06-29	JO
85	M	18 Jun 1988	WILD	WILD	OKA CRANE	18 Jun 1988	OKA-41	Hatch		KUNOVAT
86	F	19 May 1989	18	12	BARABOO	19 May 1989	060030	Hatch	ICF #06-03	OKA
87	M	24 May 1989	18	12	BARABOO WALSRODE BERLIN TP	24 May 1989 2 Feb 1993 15 Nov 1994	060031 BNU020 B00167	Hatch Transfer Transfer	ICF #06-03	OB
88	M	13 Jun 1989	35	42	OKA CRANE MOSCOW	13 Jun 1989 26 Jun 1990 1 Feb 1998	OKA-43 900289	Hatch Transfer Death	A-330885	BELYI
89	F	23 Jun 1989	33	42	OKA CRANE	23 Jun 1989	OKA-44	Hatch		AGIDEL
90	M	9 Jun 1990	15	42	OKA CRANE INDIA WILD	9 Jun 1990 ~ 1 Feb 1993 ~ 1 Sep 1993	OKA-45 _____ NONE	Hatch Transfer Release		WHITE
91	M	12 Jun 1990	15	42	OKA CRANE	12 Jun 1990 8 Aug 1990	OKA-46	Hatch Death		BLANSH
92	M	19 Jun 1990	33	42	OKA CRANE CRACID BC	19 Jun 1990 20 Jan 1995	OKA-47 GLT003	Hatch Transfer		AK
93	M	29 Jun 1990	WILD	WILD	OKA CRANE	29 Jun 1990 23 Oct 1997	OKA-48	Hatch Death		OVYS
94	F	12 May 1991	57	30	WALSRODE BERLIN TP	12 May 1991 15 Nov 1994	BNU006 B00168	Hatch Transfer	B8261	AMADEUS
95	M	17 May 1991	27	30	WALSRODE	17 May 1991	BNU07	Hatch	B8262	BEETHOVEN
96	?	22 May 1991	61	30	KUNOVAT	22 May 1991 28 May 1991	NONE	Hatch Death		GORKI
97	F	30 May 1991	61	25	KUNOVAT OKA CRANE	30 May 1991 5 Sep 1991	NONE OKA-51	Hatch Transfer		WALSRODE
98	M	31 May 1991	17	45	KUNOVAT OKA CRANE KUNOVAT OKA CRANE INDIA WILD	31 May 1991 5 Sep 1991 1 Jul 1992 2 Sep 1992 1 Jul 1993 ~ 1 Sep 1993	BUGLE OKA-52 BUGLE OKA-52 NONE NONE	Hatch Transfer Transfer Transfer Release		BUGLE
99	F	1 Jun 1991	73	75	OKA CRANE MOSCOW	1 Jun 1991 22 Jan 1993	OKA-49 930004	Hatch Transfer	A-330887	VICE
100	F	1 May 1991	57	30	KUNOVAT MOSCOW	1 May 1991 1 Jun 1991 16 Sep 1991	NONE 910271	Hatch Transfer Death	#3	DONKER

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
101	F	2 Jun 1991	57	25	KUNOVAT	2 Jun 1991 13 Jul 1991	NONE	Hatch Death		PLASTIC
102	M	3 Jun 1991	17	45	KUNOVAT OKA CRANE KUNOVAT OKA CRANE KUNOVAT OKA CRANE RAMBOUILT	3 Jun 1991 5 Sep 1991 1 Jul 1992 1 Sep 1992 1 Jul 1993 1 Sep 1993 22 Aug 1997	VODKA OKA-53 VODKA OKA-53 VODKA OKA-53 NONE	Hatch Transfer Transfer Transfer Transfer Transfer Transfer		VODKA
103	M	7 Jun 1991	17	45	BARABOO WALSRODE OSAKA	7 Jun 1991 4 Feb 1993 25 Jul 1995	060032 BNU021 1195	Hatch Transfer Transfer	ICF #06-03	KUNOVAT
104	F	7 Jun 1991	61	30	WALSRODE	7 Jun 1991	BNU08	Hatch	B8240	CLEOPATRA
105	M	14 Jun 1991	37	42	OKA CRANE	14 Jun 1991 30 Dec 1994	OKA-50	Hatch Death		ALBA
106	F	26 Jul 1991	27	30	WALSRODE	26 Jul 1991 25 Jul 1992	BNU009	Hatch Death		DAGOBERT D
107	M	3 May 1992	18	45	BARABOO DETROIT BARABOO	3 May 1992 30 Aug 1994 20 Oct 2004	060033 4369 060033	Hatch Transfer Transfer	ICF #06-03	ELPIS
108	F	6 May 1992	18	4	BARABOO DETROIT	6 May 1992 30 Aug 1994 6 Mar 1996	060034 4370	Hatch Transfer Death		CIDDOCHKA
109	M	7 May 1992	18	45	BARABOO FRANKLINP	7 May 1992 18 Sep 1996	060035 96A549	Hatch Transfer	ICF #06-03	SHAKTI
110	F	10 May 1992	57	30	WALSRODE BERLIN TP	10 May 1992 4 Nov 1992	BNU010 B00169	Hatch Transfer		EINSTEIN
111	M	12 May 1992	17	19	BARABOO CAMBRON	12 May 1992 22 Dec 1995 19 Oct 2007	060036 1702	Hatch Transfer Death	ICF 06-036	NADEZHDA
112	F	10 May 1992	57	30	WALSRODE	10 May 1992 12 May 1993	BNU011	Hatch Death		FRED FEVER
113	F	18 May 1992	57	30	WALSRODE OSAKA	18 May 1992 31 Aug 1993	BNU012 1193	Hatch Transfer		GINA
114	M	23 May 1992	73	75	OKA CRANE	23 May 1992 29 May 1992	OKA-55	Hatch Death		VILTIS
115	F	24 May 1992	78	64	BARABOO	24 May 1992 2 Dec 1994	060037	Hatch Death	ICF #06-03	OMID
116	F	24 May 1992	17	19	BARABOO CRACID BC	24 May 1992 18 May 1995	060038 GLT006	Hatch Transfer	ICF #06-03	AASHA
117	?	25 May 1992	18	45	BARABOO	25 May 1992 25 Jun 1992	060039	Hatch Death	ICF #06-03	NOZOMI
118	M	25 May 1992	27	30	WALSRODE FRANKLINP	25 May 1992 15 Feb 1996 28 Apr 2001	4387 96A410	Hatch Transfer Death	GREEN 72	HARRIET
119	M	25 May 1992	27	25	WALSRODE BERLIN TP	25 May 1992 4 Nov 1992	BNU014 B00170	Hatch Transfer		ISABELLE
120	M	26 May 1992	78	64	BARABOO DETROIT BARABOO	26 May 1992 31 Jan 1995 20 Oct 2004	060040 4586 060040	Hatch Transfer Transfer	ICF #06-04	PARANDA
121	F	29 May 1992	18	4	BARABOO CAMBRON	29 May 1992 22 Dec 1995 3 Apr 2005	060041 1703	Hatch Transfer Death	ICF #06-04	TARIRO
122	M	29 May 1992	27	25	WALSRODE OSAKA	29 May 1992 31 Aug 1993 4 Jan 1994	BNU015 1194	Hatch Transfer Death	B-8355	JEREMY

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123	?	1 Jun 1992	27	30	WALSRODE	1 Jun 1992 18 Jun 1992	BNU017	Hatch Death		KOPEKE
124	M	2 Jun 1992	73	75	OKA CRANE KUNOVAT	2 Jun 1992 1 Jul 1992 20 Aug 1992	OKA-56	Hatch Transfer Death		HOUP
125	F	8 Jun 1992	37	42	OKA CRANE	8 Jun 1992 24 Aug 1992	OKA-57	Hatch Death		SAFEID
126	F	8 Jun 1992	27	30	WALSRODE BARABOO	8 Jun 1992 29 Dec 1993	BNU016 060051	Hatch Transfer	ICF #06-51	LANCE
127	F	23 Jun 1992	57	25	WALSRODE FRANKLINP	23 Jun 1992 15 Feb 1996 7 Jun 2007	4385 96A411	Hatch Transfer Death	RED 65	MOON WALKE
128	F	24 Jun 1992	67	42	OKA CRANE	24 Jun 1992	OKA-59	Hatch		BILIPU
129	M	28 Jun 1992	57	30	WALSRODE CINCINNAT	28 Jun 1992 28 Feb 1996 11 Jan 1997	4390 296037	Hatch Transfer Death		NINJA
130	F	26 Apr 1993	79	45	BARABOO	26 Apr 1993 30 Aug 1993	060042	Hatch Death		MANA O'LA
131	F	29 Apr 1993	79	45	BARABOO DETROIT BARABOO	29 Apr 1993 31 Jan 1995 20 Oct 2004	060043 4587 060043	Hatch Transfer Transfer	ICF #06-04	MEENAKSHI
132	F	2 May 1993	79	45	BARABOO BHARATPUR KEOLADEO	2 May 1993 8 Jan 1994 ~15 Jan 1994	060044 NONE GORBY	Hatch Transfer Release	ICF #06-44	GORBY
133	M	1 May 1993	15	39	OKA CRANE KUNOVAT WILD	1 May 1993 1 Jul 1993 ~ 1 Sep 1993	OKA-60 NONE	Hatch Transfer Release		FATEY
134	M	3 May 1993	73	75	OKA CRANE	3 May 1993 4 May 1993	OKA-61	Hatch Death		VALGE
135	F	7 May 1993	79	45	BARABOO CINCINNAT	7 May 1993 2 Feb 1995	060045 295010	Hatch Transfer	ICF #06-45	BRAR
136	F	8 May 1993	78	64	BARABOO CINCINNAT	8 May 1993 2 Feb 1995 21 Mar 1996	060046 295011	Hatch Transfer Death	ICF #06-04	KEOLADEO
137	M	9 May 1993	78	64	BARABOO	9 May 1993	060047	Hatch	ICF #06-47	SEUSS
138	F	11 May 1993	18	4	OKA CRANE KUNOVAT OKA CRANE KEOLADEO	11 May 1993 1 Jul 1993 2 Sep 1993 ~15 Jan 1994	OKA-63 STEPAN OKA-63 145926	Hatch Transfer Transfer Release		STEPAN
139	M	11 May 1993	79	45	OKA CRANE KUNOVAT WILD	11 May 1993 1 Jul 1993 ~ 1 Sep 1993	OKA-62 145927 NONE	Hatch Transfer Release		SHADA
140	F	16 May 1993	18	4	OKA CRANE KUNOVAT OKA CRANE KEOLADEO	16 May 1993 1 Jul 1993 2 Sep 1993 15 Jan 1994	OKA-64 BALTAS OKA-64 145925	Hatch Transfer Transfer Release		BALTAS
141	M	19 May 1993	17	60	BARABOO IRAN	19 May 1993 8 Jan 1996	060048 NONE	Hatch Release	ICF #06-04	YERTLE
142	F	21 May 1993	73	75	OKA CRANE CRACID BC	21 May 1993 20 Jan 1995	OKA-65 GLT004	Hatch Transfer		BILYI
143	F	27 May 1993	18	4	BARABOO BHARATPUR KEOLADEO	27 May 1993 8 Jan 1994 ~15 Jan 1994	060049 NONE BORIS	Hatch Transfer Release	ICF #06-49	BORIS
144	F	27 May 1993	17	19	BARABOO FRANKLINP	27 May 1993 18 Sep 1996	060050 96A550	Hatch Transfer	ICF #06-05	SNEETCH
145	F	2 Jun 1993	15	39	OKA CRANE	2 Jun 1993 11 Jun 1993	OKA-66	Hatch Death		MAGAN

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
146	M	7 Jun 1993	35	42	OKA CRANE	7 Jun 1993 3 Oct 1993	OKA-67	Hatch Death		URUNG
147	F	9 Jun 1993	27	25	WALSRODE	9 Jun 1993 15 Oct 1993	BNU022	Hatch Death		
148	M	10 Jun 1993	35	42	OKA CRANE CAMBRON	10 Jun 1993 9 Mar 1995	OKA-68 631	Hatch Transfer	A113903	VIT
149	M	27 Jun 1993	33	42	OKA CRANE CRACID BC	27 Jun 1993 20 Jan 1995	OKA-69 GLT005	Hatch Transfer		SIROY
150	M	27 Apr 1994	40	86	BARABOO IRAN	27 Apr 1994 8 Jan 1996	060052 NONE	Hatch Release	ICF #06-05	ARJAN
151	F	9 May 1994	17	60	BARABOO	9 May 1994	060053	Hatch	ICF #06-53	KAVIR
152	M	8 May 1994	79	45	OKA CRANE KUNOVAT TYUMENSKA OKA CRANE NOVOSIBRK	8 May 1994 1 Jul 1994 ~15 Aug 1994 27 Sep 1994 30 Mar 1995 15 Apr 1995	OKA-72 158804 158804 OKA-72 754001	Hatch Transfer Transfer Transfer Transfer Death		BHOLU
153	M	5 May 1994	78	64	OKA CRANE KUNOVAT TYUMENSKA OKA CRANE KUNOVAT	5 May 1994 1 Jul 1994 ~15 Aug 1994 27 Sep 1994 11 Jun 1995	OKA-70 OKA-70 OKA-70 OKA-70 158806	Hatch Transfer Transfer Transfer Release	lft	ARVINDER
154	F	11 May 1994	40	86	OKA CRANE KUNOVAT TYUMENSKA OKA CRANE KUNOVAT OKA CRANE	11 May 1994 1 Jul 1994 ~15 Aug 1994 27 Sep 1994 8 Jul 1995 20 Oct 1995	OKA-74 OKA-74 OKA-74 OKA-74 158801 OKA-74	Hatch Transfer Transfer Transfer Transfer Transfer		GLASS
155	F	16 May 1994	78	64	OKA CRANE KUNOVAT TYUMENSKA OKA CRANE KUNOVAT	16 May 1994 1 Jul 1994 ~15 Aug 1994 27 Sep 1994 11 Jun 1995	OKA-78 158808 158808 158808 158808	Hatch Transfer Transfer Transfer Release	lft	BLUE
156	?	8 May 1994	78	64	OKA CRANE KUNOVAT	8 May 1994 1 Jul 1994 ~10 Jul 1994	OKA-73 _____	Hatch Transfer Death		SHARMA
157	F	12 May 1994	79	45	OKA CRANE	12 May 1994 19 May 1994	OKA-75	Hatch Death		ALI
158	?	13 May 1994	78	64	OKA CRANE KUNOVAT	13 May 1994 1 Jul 1994 24 Jul 1994	OKA-76 _____	Hatch Transfer Death		KASSYM
159	?	14 May 1994	40	86	OKA CRANE KUNOVAT	14 May 1994 1 Jul 1994 ~31 Aug 1994	OKA-77 158809 158809	Hatch Transfer Release	lft	HARSH
160	?	17 May 1994	79	45	OKA CRANE KUNOVAT	17 May 1994 1 Jul 1994 ~31 Aug 1994	OKA-79 158810 158810	Hatch Transfer Release	lft	BACHU
161	?	22 May 1994	79	45	OKA CRANE KUNOVAT	22 May 1994 1 Jul 1994 ~31 Aug 1994	OKA-82 158805 158805	Hatch Transfer Release	lft	DELHI
162	M	6 May 1994	73	75	OKA CRANE KUNOVAT TYUMENSKA OKA CRANE KUNOVAT	6 May 1994 1 Jul 1994 15 Aug 1994 27 Sep 1994 11 Jun 1995	OKA-71 OKA-71 OKA-71 OKA-71 158807	Hatch Transfer Transfer Transfer Release	lft	MINI
163	M	17 May 1994	73	75	OKA CRANE CRACID BC	17 May 1994 1 May 1998	OKA-80 GLT007	Hatch Transfer		INDIA
164	F	21 May 1994	73	75	OKA CRANE NOVOSIBRK	21 May 1994 30 Mar 1995	OKA-81 754002	Hatch Transfer		BKHARAM
165	M	1 Jun 1994	73	75	OKA CRANE	1 Jun 1994 5 Jun 1994	OKA-83	Hatch Death		BELEY

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
166	?	~16 Jun 1994	37	42	KUNOVAT	~16 Jun 1994 ~16 Jun 1994	 158802	Hatch Release	A158802	AMOCO-1
167	F	14 May 1994	27	30	WALSRODE CRACID BC	14 May 1994 15 Nov 2000	BNU023 GLT017	Hatch Transfer		PUMUCKL
168	F	28 Apr 1995	78	64	BARABOO KEOLADEO	28 Apr 1995 27 Jan 1997	060054 NONE ltf	Hatch Release		AYAFAT
169	F	5 May 1995	79	45	BARABOO KEOLADEO	5 May 1995 27 Jan 1997	060055 NONE ltf	Hatch Release		BAHARAMI
170	?	11 May 1995	79	45	OKA CRANE KUNOVAT	11 May 1995 8 Jul 1995 11 Jul 1995	OKA-87 	Hatch Transfer Death		FREIHEIT
171	?	13 May 1995	40	86	OKA CRANE TYUMENSKA	13 May 1995 17 Aug 1995 18 Aug 1995 26 Aug 1995	OKA-88 	Hatch Transfer Release Death		AMAD
172	?	13 May 1995	40	86	OKA CRANE TYUMENSKA	13 May 1995 17 Aug 1995 18 Aug 1995 26 Aug 1995	OKA-89 	Hatch Transfer Release Death		RAO
173	F	16 May 1995	78	64	OKA CRANE	16 May 1995 21 May 1995	OKA-90	Hatch Death		VOLYA
174	?	4 May 1995	73	75	OKA CRANE KUNOVAT	4 May 1995 9 Jul 1995 28 Jul 1995	OKA-84 	Hatch Transfer Death		SVOBODA
175	?	7 May 1995	73	75	OKA CRANE KUNOVAT	7 May 1995 9 Jul 1995 13 Jul 1995	OKA-85 	Hatch Transfer Death		FREEDOM
176	?	10 May 1995	73	75	OKA CRANE KUNOVAT	10 May 1995 9 Jul 1995 8 Aug 1995	OKA-86 145917 145917 ltf	Hatch Transfer Release	A145917	LIBERTY
177	F	20 May 1995	73	75	OKA CRANE	20 May 1995 7 Jun 1995	OKA-92	Hatch Death		AZADI
178	M	18 May 1995	35	89	OKA CRANE	18 May 1995 26 May 1995	OKA-91	Hatch Death		VRIJ
179	F	29 May 1995	78	64	BARABOO ESTUDILLO	29 May 1995 15 Jan 1996	060056 NONE	Hatch Transfer		BAZOOKA
180	M	5 Jun 1995	18	4	BARABOO ESTUDILLO	5 Jun 1995 15 Jan 1996	060057 NONE	Hatch Transfer		PEZ
181	F	19 Jun 1995	18	4	BARABOO KEOLADEO	19 Jun 1995 27 Jan 1997	060058 NONE ltf	Hatch Release		ANNBUR
182	F	5 Jun 1990	WLDCO3	WLDCO1	BEIJING HARBIN TOKYOTAMA	5 Jun 1990 26 May 1992 8 Oct 1992	90101 NONE 1459	Hatch Transfer Transfer	WHITE	
183	F	25 Jun 1990	WLDCO3	WLDCO1	BEIJING HARBIN TOKYOTAMA	25 Jun 1990 26 May 1992 8 Oct 1992	90103 NONE 1460	Hatch Transfer Transfer	RED/U-0131	
184	F	21 May 1995	35	89	OKA CRANE	21 May 1995 1 Jun 1995	OKA-93	Hatch Death		SVATAN
185	F	21 May 1995	15	39	OKA CRANE	21 May 1995 4 Jun 1995	OKA-94	Hatch Death		BAKHRAMI-2
186	F	25 May 1995	79	45	OKA CRANE	25 May 1995 27 Jun 1995	OKA-95	Hatch Death		LIM
187	M	28 May 1995	82	89	OKA CRANE	28 May 1995 1 Jun 1995	OKA-96	Hatch Death		AYAFAT
188	M	29 May 1995	18	4	OKA CRANE	29 May 1995 29 May 1995	OKA-97	Hatch Death		JAN

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
189	?	29 May 1995	82	42	OKA CRANE TYUMENSKA	29 May 1995 16 Aug 1995 18 Aug 1995 26 Aug 1995	OKA98	Hatch Transfer Release Death		AZIZI
190	F	8 Jun 1995	82	89	OKA CRANE RAMBOUILT	8 Jun 1995 22 Aug 1997	OKA103 NONE	Hatch Transfer		AZAR
191	?	31 May 1995	18	4	OKA CRANE TYUMENSKA	31 May 1995 16 Aug 1995 18 Aug 1995 26 Aug 1995	OKA100	Hatch Transfer Release Death		KOVSHAR
192	M	3 Jun 1995	82	42	OKA CRANE	3 Jun 1995 27 Jun 1995	OKA101	Hatch Death		DOUGLAS
193	M	4 Jun 1995	67	39	OKA CRANE TURKEY	4 Jun 1995 30 Aug 1996 ~ May 1997	OKA102 OKA102 NONE	Hatch Release Capture	4-02	WHITE NANKI
194	M	31 May 1995	67	39	OKA CRANE	31 May 1995 8 Jun 1995	OKA-99	Hatch Death		RUSTAM
195	F	9 Jun 1995	82	42	OKA CRANE	9 Jun 1995 18 Jun 1995	OKA104	Hatch Death		SHEER
196	M	12 Jun 1995	33	68	OKA CRANE	12 Jun 1995 18 Jun 1995	OKA105	Hatch Death		CLAIRE
197	F	4 Jul 1995	92	74	CRACID BC	4 Jul 1995	GL9501	Hatch		SJEUF
198	?	~16 Jun 1995	82	42	KUNOVAT	~16 Jun 1995 ~ Aug 1995	145918 145918	Hatch Release	A145918	AMOCO-2
199	F	1 Jul 1986	WILD	WILD	OKA CRANE	1 Jul 1986 10 May 1989	OKA-29	Hatch Death		MARAKAN
200	M	14 May 1992	17	19	OKA CRANE KUNOVAT	14 May 1992 2 Jul 1992 ~ 5 Sep 1992	OKA-54 OKA-54 OKA-54	Hatch Transfer Release	l tf	NADEZHDA-2
201	F	10 Jun 1996	27	30	WALSRODE ESTUDILLO	10 Jun 1996 3 Feb 1997	BNU025 NONE	Hatch Transfer	B8827	RUMPELSTIL
202	M	25 Jun 1996	27	30	WALSRODE ESTUDILLO	25 Jun 1996 3 Feb 1997	BNU026 NONE	Hatch Transfer	B8999	STRUWELPE
203	M	27 May 1996	27	30	WALSRODE	27 May 1996 26 Dec 1997	BNU024	Hatch Death		QUASIMODO
204	F	13 May 1996	73	75	OKA CRANE TYUMENSKA	13 May 1996 14 Aug 1996 ~ 1 Sep 1996	OKA107 145949 145949	Hatch Transfer Release	A145949	IRAN
205	M	17 May 1996	73	75	OKA CRANE TYUMENSKA	17 May 1996 14 Aug 1996 ~ 1 Sep 1996	OKA108 145950 145950	Hatch Transfer Release	A145950	SOOTE
206	?	18 May 1996	33	68	OKA CRANE	18 May 1996 26 May 1996	OKA109	Hatch Death		DAMGA
207	F	21 May 1996	73	75	OKA CRANE	21 May 1996 ~26 May 1996	OKA110	Hatch Death		PERSIA
208	M	21 May 1996	33	68	OKA CRANE	21 May 1996 28 May 1996	OKA111	Hatch Death		BABOOL
209	F	25 May 1996	37	42	OKA CRANE	25 May 1996 28 May 1996	OKA112	Hatch Death		MIANKALEH
210	M	25 May 1996	73	75	OKA CRANE	25 May 1996 19 Jun 1996	OKA113	Hatch Death		BABULSAR
211	?	2 Jun 1996	82	89	OKA CRANE TYUMENSKA	2 Jun 1996 14 Aug 1996 ~ 1 Sep 1996	OKA114 145951 145951	Hatch Transfer Release	A145951	ASBORAN
212	F	5 Jun 1996	15	39	OKA CRANE	5 Jun 1996 10 Jun 1996	OKA115	Hatch Death		MAZANDARAN

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
213	M	30 Jun 1996	82	39	OKA CRANE	30 Jun 1996 3 Mar 1997	OKA116	Hatch Death		KHVID
214	F	2 Jul 1996	82	89	OKA CRANE CRACID BC	2 Jul 1996 1 May 1998	OKA117 GLT008	Hatch Transfer		LILY
215	M	8 Jul 1996	82	39	OKA CRANE	8 Jul 1996	OKA118	Hatch		BARDE
218	F	18 Jun 1996	WLD216	WLD217	OKA CRANE	18 Jun 1996	OKA119	Hatch		BOOR
219	F	21 Jun 1996	WLD216	WLD217	OKA CRANE	21 Jun 1996	OKA120	Hatch		SAMGYM
220	M	5 May 1996	73	75	OKA CRANE TYUMENSKA	5 May 1996 14 Aug 1996 ~ Sep 1996	OKA106 145948 145948	Hatch Transfer Release	ltf	FEREYDOON
221	F	25 Apr 1996	17	86	BARABOO CRACID BC	25 Apr 1996 27 Oct 1999	060059 GLT011	Hatch Transfer		BAYUN
222	M	26 Apr 1996	17	60	BARABOO KEOLADEO	26 Apr 1996 27 Jan 1997	060060 NONE	Hatch Release	ltf	ALKONOST
223	F	5 Jun 1996	62	182	TOKYOTAMA	5 Jun 1996	1735	Hatch	T0737/ORAN	
224	M	19 Jun 1997	33	68	OKA CRANE	19 Jun 1997 2 Jul 1997	OKA121	Hatch Death		VALKONEN
225	M	22 Jun 1997	15	39	OKA CRANE	22 Jun 1997 24 Jul 1997	OKA122	Hatch Death		VALEY
226	F	22 Jun 1997	82	89	OKA CRANE	22 Jun 1997	OKA123	Hatch		MIRANDE
227	?	13 Jun 1997	82	89	OKA CRANE ARMIZON	13 Jun 1997 29 Jul 1997 28 Aug 1997	OKA124 A16014	Hatch Release Death		ROB
228	?	12 Jun 1997	82	128	OKA CRANE ARMIZON	12 Jun 1997 29 Jul 1997	OKA125 A16013	Hatch Release	A16013	KVIT
229	M	2 Jun 1997	15	39	OKA CRANE ARMIZON	2 Jun 1997 29 Jul 1997 5 Aug 1997	OKA126 A16016	Hatch Release Death		ARCHI
230	?	25 May 1997	82	89	OKA CRANE ARMIZON	25 May 1997 29 Jul 1997	OKA127 A16017	Hatch Release	ltf	SHIRO
231	M	16 May 1997	73	75	OKA CRANE ARMIZON	16 May 1997 29 Jul 1997	OKA128 A16018	Hatch Release	ltf	CHANG
232	M	13 Jun 1997	15	39	OKA CRANE	13 Jun 1997 23 Oct 1997	OKA129	Hatch Death		TRANG
233	F	16 Jun 1997	67	42	OKA CRANE RISKEN	16 Jun 1997 25 May 2000	OKA130 NONE	Hatch Transfer		FEER
234	M	1 Jul 1997	33	68	OKA CRANE CRACID BC	1 Jul 1997 1 May 1998	OKA131 GLT009	Hatch Transfer		KHAKU
235	?	29 May 1997	40	86	OKA CRANE ARMIZON	29 May 1997 29 Jul 1997	OKA132 A16015	Hatch Release	ltf	DUSTUM
236	M	11 May 1997	40	86	BARABOO CRACID BC	11 May 1997 28 Mar 2001	060061 GLT018	Hatch Transfer	ICF #06-61	TYPHOON
240	M	20 May 1998	73	75	OKA CRANE ARMIZON	20 May 1998 28 Aug 1998	OKA133 _____	Hatch Release	ltf	KELLY
241	M	25 May 1998	40	86	OKA CRANE ARMIZON	25 May 1998 28 Aug 1998	OKA134 _____	Hatch Release	ltf	SHURO
242	M	26 May 1998	73	75	OKA CRANE ARMIZON	26 May 1998 28 Aug 1998	OKA135 _____	Hatch Release	ltf	ALB
243	M	26 May 1998	17	60	OKA CRANE	26 May 1998 1 Jun 1998	OKA136	Hatch Death		BYAL
244	?	27 May 1998	78	64	OKA CRANE ARMIZON	27 May 1998 28 Aug 1998	OKA137 _____	Hatch Release	ltf	BEIAZ

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
245	F	30 May 1998	40	86	OKA CRANE ARMIZON	30 May 1998 28 Aug 1998	OKA138	Hatch ltf Release		BAY
246	?	30 May 1998	78	64	OKA CRANE ARMIZON	30 May 1998 28 Aug 1998	OKA139	Hatch ltf Release		BLANK
247	F	2 Jun 1998	85	97	OKA CRANE MOSCOW	2 Jun 1998 21 Sep 1999	OKA140 990704	Hatch Transfer	YELLOW N45	GERMA
248	?	2 Jun 1998	17	60	OKA CRANE	2 Jun 1998 27 Jun 1998	OKA141	Hatch Death		BIALI
249	?	4 Jun 1998	78	64	OKA CRANE	4 Jun 1998 19 Jun 1998	OKA142	Hatch Death		ERMAK
250	F	3 Jun 1998	40	86	OKA CRANE RISKEN	3 Jun 1998 30 Apr 1999	OKA143 NONE	Hatch Transfer		ODA
251	F	24 Jun 1998	82	128	OKA CRANE TALLIN	24 Jun 1998 6 Oct 1999	OKA144 13212	Hatch Transfer		ISHIM
252	M	25 Jun 1998	82	89	OKA CRANE NOVOSIBRK	25 Jun 1998 22 Oct 1998 20 Nov 2007	OKA145 754003	Hatch Transfer Death		TOBOL
253	M	26 Jun 1998	82	42	OKA CRANE RISKEN	26 Jun 1998 30 Apr 1999	OKA146 NONE	Hatch Transfer		TYUMEN
254	F	27 Jun 1998	73	75	OKA CRANE BAD ROTH	27 Jun 1998 30 Apr 1999 15 Oct 1999	OKA147	Hatch Transfer Death	A16041	SURGUT
255	M	29 Jun 1998	33	68	OKA CRANE RISKEN	29 Jun 1998 30 Apr 1999	OKA148 NONE	Hatch Transfer		TOR
256	M	1 Jul 1998	82	128	OKA CRANE	1 Jul 1998 16 Sep 1999	OKA149	Hatch Death		IRTYSH
257	F	3 Jul 1998	82	42	OKA CRANE RAMBOUILT	3 Jul 1998 15 Jan 2001	OKA150 NONE	Hatch Transfer		OB-1
258	M	5 Jul 1998	73	75	OKA CRANE TALLIN	5 Jul 1998 6 Oct 1999	OKA151 13211	Hatch Transfer		SHAIM
259	M	5 Jun 1998	40	86	WALSRODE TYUMENSKA OKA CRANE CRACID BC	5 Jun 1998 21 Aug 1998 1 Oct 1998 22 May 2000	NONE GANS OKA152 GLT013	Hatch Transfer Transfer Transfer	16016A	GANS
260	M	8 Jun 1998	40	86	WALSRODE TYUMENSKA OKA CRANE	8 Jun 1998 21 Aug 1998 1 Oct 1998 29 Jan 1999	NONE FRIDRI OKA153	Hatch Transfer Transfer Death		FRIDRICH
261	F	30 May 1980	WILD	WILD	YAMAGUCHI UBE SHI TOKYOTAMA	30 May 1980 30 May 1980 19 Dec 1980 16 Sep 1982	NONE NONE NONE	Capture Transfer Transfer Death		
268	F	4 May 1999	82	128	OKA CRANE KUNOVAT	4 May 1999 4 Aug 1999	OKA154	Hatch ltf Release		SURPRISE
269	M	5 May 1999	37	42	OKA CRANE MOSCOW	5 May 1999 21 Sep 1999	OKA155 990705	Hatch Transfer	RED	ALMAZ
270	M	24 May 1999	82	89	OKA CRANE RAMBOUILT	24 May 1999 15 Jan 2001	OKA156 NONE	Hatch Transfer		ALBIN
271	F	25 May 1999	33	68	OKA CRANE	25 May 1999 27 Jul 1999	OKA157	Hatch Death		BEO
272	F	27 May 1999	73	75	OKA CRANE	27 May 1999 29 Jun 1999	OKA158	Hatch Death		DYUP
273	F	29 May 1999	33	68	OKA CRANE ARMIZON	29 May 1999 1 Aug 1999	OKA159	Hatch ltf Release		LANGEPAS
274	?	30 May 1999	82	89	OKA CRANE KUNOVAT	30 May 1999 4 Aug 1999	OKA160	Hatch ltf Release		KAGALYM

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
275	F	31 May 1999	73	75	OKA CRANE ARMIZON	31 May 1999 1 Aug 1999 5 Aug 1999	OKA161	Hatch Release Death		IRGIL
276	F	9 Jun 1999	15	42	OKA CRANE CRACID BC	9 Jun 1999 22 May 2000	OKA163 GLT014	Hatch Transfer	CBCC 156	MAION
277	F	24 May 1999	78	64	OKA CRANE CRACID BC	24 May 1999 22 May 2000	OKA162 GLT015	Hatch Transfer		FIN
278	F	24 May 1999	40	86	OKA CRANE ARMIZON	24 May 1999 1 Aug 1999	OKA164	Hatch Release	ltf	BLANCO
279	?	26 May 1999	40	86	OKA CRANE ARMIZON	26 May 1999 1 Aug 1999	OKA165	Hatch Release	ltf	BILI
280	?	28 May 1999	18	60	OKA CRANE ARMIZON	28 May 1999 1 Aug 1999	OKA166	Hatch Release	ltf	LUCOIL
281	?	1 Jun 1999	40	86	OKA CRANE ASTRAKHAN	1 Jun 1999 20 Sep 1999	OKA167	Hatch Release	ltf	LOPKHAR
282	?	2 Jun 1999	18	60	OKA CRANE ASTRAKHAN	2 Jun 1999 20 Sep 1999	OKA168	Hatch Release	ltf	SALEKHARD
283	M	10 May 1998	40	86	BARABOO CRACID BC	10 May 1998 27 Oct 1999 19 Dec 1999	060063 GLT012	Hatch Transfer Death	06-63	CREX
284	F	21 May 1998	17	60	BARABOO	21 May 1998	060064	Hatch	ICF #06-64	PIEPER
285	M	21 Jun 1998	52	47	CAMBRON CRACID BC	21 Jun 1998 9 Mar 2003	3910 NONE	Hatch Transfer		HARRY PP
286	M	27 May 1998	52	74	CRACID BC	27 May 1998	GL9801	Hatch		KOBUS
287	F	29 May 1998	52	142	CRACID BC	29 May 1998	GL9802	Hatch		SJANET
288	?	13 Jun 1998	52	74	CRACID BC	13 Jun 1998 4 Jul 1998	GL9803	Hatch Death		
289	?	29 Jun 1998	52	74	CRACID BC	29 Jun 1998 29 Jun 1998	GL9804	Hatch Death		
290	M	1 May 1999	149	142	CRACID BC	1 May 1999	GL9901	Hatch		KONRAAD
291	M	1 May 1999	149	142	CRACID BC	1 May 1999	GL9902	Hatch		KEVIN
292	F	13 May 1999	79	126	BARABOO CRACID BC	13 May 1999 28 Mar 2001	060065 GLT019	Hatch Transfer	ICF #06-65	MATISSE
293	M	23 May 1999	79	126	BARABOO	23 May 1999	060066	Hatch	ICF #06-66	O'KEEFE
294	F	7 Jun 1999	58	19	BARABOO	7 Jun 1999 7 Jul 1999	060067	Hatch Death		RUBLEV
296	F	15 May 1997	17	60	BARABOO	15 May 1997 17 May 1997	060062	Hatch Death		
297	M	23 Jun 1996	62	182	TOKYOTAMA	23 Jun 1996 28 Jun 1996	1736	Hatch Death		
298	F	13 May 1997	63	182	TOKYOTAMA	13 May 1997	1970	Hatch	YELLOW/016	
299	M	21 May 1997	62	182	TOKYOTAMA HIRAKAWA	21 May 1997 19 Oct 1999 10 Jun 2003	1986 NONE	Hatch Transfer Death	U0164/BLAC	
300	F	13 May 1998	62	182	TOKYOTAMA	13 May 1998	2301	Hatch	U0177/RED.	
301	M	16 May 1998	62	182	TOKYOTAMA	16 May 1998 18 Jan 2008	2302	Hatch Death	U0176/RED.	
302	F	28 May 1998	62	183	TOKYOTAMA	28 May 1998	2357	Hatch	U0175/YELL	
303	F	28 May 1999	62	183	TOKYOTAMA	28 May 1999 6 Jun 1999	2649	Hatch Death		
304	M	20 Jun 2000	62	31	HIRAKAWA	20 Jun 2000	NONE	Hatch		

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
306	M	29 May 1999	118	144	FRANKLINP	29 May 1999 28 Jun 2001	99F437	Hatch Death		WESTON
307	F	2 Mar 2000	82	128	OKA CRANE CRACID BC	2 Mar 2000 12 Apr 2002	OKA169 GLT020	Hatch Transfer	16058A	PODSNEZHNI
308	M	11 Apr 2000	73	75	OKA CRANE CRACID BC	11 Apr 2000 12 Apr 2002	OKA170 GLT021	Hatch Transfer	16057A	KYTALYK
309	M	16 Apr 2000	73	75	OKA CRANE KUNOVAT	16 Apr 2000 6 Aug 2000	OKA171 _____	Hatch lft Release		TURUYA
310	F	29 Apr 2000	73	75	OKA CRANE KUNOVAT	29 Apr 2000 6 Aug 2000	OKA172 _____	Hatch lft Release		GRUS
311	F	1 May 2000	73	75	OKA CRANE ARMIZON	1 May 2000 1 Aug 2000	OKA173 _____	Hatch lft Release		GRUIE
312	M	2 May 2000	33	68	OKA CRANE ARMIZON	2 May 2000 1 Aug 2000	OKA174 _____	Hatch lft Release		KRANICH
313	F	10 May 2000	73	75	OKA CRANE	10 May 2000 18 May 2000	OKA175	Hatch Death		CRANE
314	?	12 May 2000	15	89	OKA CRANE	12 May 2000 14 May 2000	OKA176	Hatch Death		GRULA
315	F	19 May 2000	85	42	OKA CRANE ARMIZON	19 May 2000 1 Aug 2000	OKA177 _____	Hatch lft Release		TRANA
316	F	21 May 2000	15	42	OKA CRANE ARMIZON	21 May 2000 1 Aug 2000	OKA178 _____	Hatch lft Release		DARU
317	F	22 May 2000	73	75	OKA CRANE	22 May 2000 8 Aug 2000	OKA179	Hatch Death		KRILLA
318	?	24 May 2000	UNK	89	OKA CRANE ASTRAKHAN	24 May 2000 ~ Sep 2000	OKA180 _____	Hatch lft Release		DZERVE
319	M	13 Jul 2000	15	219	OKA CRANE CRACID BC	13 Jul 2000 12 Apr 2002	OKA181 GLT022	Hatch Transfer	16059A	KURKI
320	?	10 May 2000	62	182	TOKYOTAMA	10 May 2000 15 May 2000	3013	Hatch Death		
321	F	14 May 2000	62	182	TOKYOTAMA SENDAISHI	14 May 2000 5 Oct 2005	3026 NONE	Hatch Transfer	U0193/PINK	
322	F	16 May 2000	62	183	TOKYOTAMA	16 May 2000 2 Jun 2009	3029	Hatch Death	U0194/ORAN	
323	F	12 May 2000	95	104	WALSRODE	12 May 2000 1 Jul 2000	BNU027	Hatch Death		
324	F	29 Apr 2000	61	142	CRACID BC	29 Apr 2000	GL0001	Hatch		SJER
325	F	11 Apr 2000	149	142	CRACID BC	11 Apr 2000	GL0002	Hatch		SJAHEERA
326	F	8 May 2000	149	74	CRACID BC	8 May 2000	GL0003	Hatch		SJANTAL
327	F	8 May 2000	61	142	CRACID BC	8 May 2000	GL0004	Hatch		SJOUNA
328	F	20 May 2000	149	74	CRACID BC	20 May 2000	GL0005	Hatch		SJEILAH
329	F	25 May 2000	149	74	CRACID BC	25 May 2000	GL0006	Hatch		SJARLOT
330	M	7 Jun 2000	149	142	CRACID BC	7 Jun 2000	GL0007	Hatch		KARSTEN
331	?	14 Jun 2000	163	74	CRACID BC	14 Jun 2000 22 Jul 2000	GL0008	Hatch Death		
332	?	1 Jul 2000	61	142	CRACID BC	1 Jul 2000 2 Jul 2000	GL0009	Hatch Death		
333	?	1 Jul 2000	163	74	CRACID BC	1 Jul 2000 2 Jul 2000	GL0010	Hatch Death		
334	?	1 Jul 2000	149	74	CRACID BC	1 Jul 2000 2 Jul 2000	GL0011	Hatch Death		

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
335	?	1 Jul 2000	163	142	CRACID BC	1 Jul 2000 2 Jul 2000	GL0012	Hatch Death		
336	?	13 May 2000	79	126	BARABOO	13 May 2000 15 May 2000	060068	Hatch Death		
337	F	~ 1978	WILD	WILD	BAICHENG CHANGCHUN	~ Sep 1980 ~ Oct 1980 ~ Feb 2000	NONE 1#	Capture Transfer Death		1#
338	M	~ 1978	WILD	WILD	BAICHENG CHANGCHUN	~ Sep 1980 ~ Oct 1980 ~ Feb 2002	NONE 2#	Capture Transfer Death		2#
339	F	~ Jun 1980	WILD	WILD	HUOYN HOPEI YANCHENG	~ Sep 1986 ~ Nov 1986 18 Apr 2008	NONE 86001 86001	Capture Transfer Transfer	86001	
340	M	~ 1985	WILD	WILD	YIZHENG NANJING BEIJING	~ 1985 ~ 1985 15 Jan 2000	NONE NONE 85005	Capture Transfer Transfer	85005	
341	M	~ Jun 1986	WILD	WILD	YIYANG CHANGSHA BEIJING	~ Oct 1989 17 Nov 1989 4 Apr 2002	NONE NONE	Capture Transfer Transfer	89001	
342	M	~ May 1988	WILD	WILD	SUSONG HOPEI	~ Sep 1988 ~ Oct 1988	NONE 88002	Capture Transfer	88002	
343	F	~ Jun 1988	WILD	WILD	SHOUXIAN HOPEI	~ Nov 1988 ~ Jan 1989	NONE 89003	Capture Transfer	89003	
344	?	~ May 1989	WILD	WILD	JIANGSU XUZHOU	~ Nov 1989 ~ Nov 1989	NONE	Capture Transfer		
345	?	~ May 1989	WILD	WILD	JIANGSU XUZHOU	~ Nov 1994 ~ Nov 1994	NONE	Capture Transfer		
346	?	~ Jun 1989	WILD	WILD	LIUHE NANJING	~ Dec 1989 ~ Dec 1989 15 May 1994	NONE	Capture Transfer Death		
347	M	18 Jun 1989	WLDCO3	WLDCO1	BEIJING	18 Jun 1989	89101	Hatch	89101	
348	F	19 Jun 1989	WLDCO3	WLDCO1	BEIJING	19 Jun 1989	89102	Hatch	89102	
349	F	18 Jun 1990	WLDCO3	WLDCO1	BEIJING	18 Jun 1990	90102	Hatch	90102	
350	M	~ 1991	WILD	WILD	HEILUNGKI HARBIN BEIJING	~ Oct 1991 ~ Nov 1991 9 May 1992 13 Feb 1994	NONE NONE 92001	Capture Transfer Transfer Death	92001	
351	M	~ 1991	WILD	WILD	LANGFANG SHIH CHIA BEIJING	~ 1991 ~ 1992 23 Mar 1993	NONE NONE 93001	Capture Transfer Transfer	93001	
352	M	~ Jun 1991	WILD	WILD	SHUCHENG HOPEI SHANGHAI	~ Oct 1991 ~ Nov 1991 ~ Apr 1999 25 Sep 2003	NONE 91004 91004	Capture Transfer Transfer Death	91004	
353	F	13 Jun 1991	WLDCO3	WLDCO1	BEIJING	13 Jun 1991	91101	Hatch	91101	
354	F	26 Jun 1991	WLDCO3	WLDCO1	BEIJING	26 Jun 1991	91102	Hatch	91102	
355	F	~ 1992	WILD	WILD	ZHEJIANG HANGCHOW BEIJING	~ Nov 1992 ~ 1993 1 Jul 1993	NONE NONE 93002	Capture Transfer Transfer	93002	
356	F	25 Jun 1992	WLDCO3	WLDCO1	BEIJING	25 Jun 1992	92101	Hatch	92101	
357	M	~ 1992	WILD	WILD	SUIHUA HARBIN	~ 1992 1 Oct 1992	NONE 001	Capture Transfer		001
358	M	~ Aug 1992	WILD	WILD	FUYU ZHALONG	20 Oct 1998 20 Oct 1998	NONE 002#	Capture Transfer		002#

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
359	M	~ 1993	WILD	WILD	POYANGHU NANCHANG	~ 1993 ~ 1997	NONE	Capture Transfer		
360	M	~ Jun 1993	WILD	WILD	HEILUNGKI ZHALONG	~ Nov 1993 ~ Nov 1993	NONE 001#	Capture Transfer		001#
361	?	~ Jun 1993	WILD	WILD	JIANGSU XUZHOU	~ Jan 1997 ~ Jan 1997	NONE	Capture Transfer		
362	F	~ Jun 1993	WILD	WILD	YUEXI ANQING HOPEI	~ Aug 1998 ~ Sep 1998 16 Nov 1999	NONE C#	Capture Transfer Transfer		C#
363	M	~ 1994	WILD	WILD	POYANGHU HOPEI	11 Nov 1994 11 Nov 1999 3 Jan 2000	NONE 99006	Capture Transfer Death	99006	
364	F	~ 1994	WILD	WILD	YUEXI HOPEI	14 Nov 1999 14 Nov 1999	NONE 99007	Capture Transfer	99007	
365	M	~ May 1994	WILD	WILD	YUEXI ANQING HUANGSHAN	~ Jul 1994 ~ Jul 1994 ~ Aug 1994	NONE A# A#	Capture Transfer Transfer		A#
366	M	~ May 1994	WILD	WILD	DONGZHI ANQING HOPEI	~ Dec 1995 20 Jan 1996 16 Nov 1999 17 Oct 2002	NONE B# 99008	Capture Transfer Transfer Death	99008	B#
367	F	~ Mar 1995	WILD	WILD	NAHE CHICHIHAL	~ Oct 1999 13 Oct 1999 ~ Nov 2001	NONE NONE	Capture Transfer Death		JIAJIA
368	M	~ May 1995	WILD	WILD	SHUCHENG HOPEI	~ Nov 1995 ~ Nov 1995	NONE 95005	Capture Transfer	95005	
369	F	~ Jun 1995	WILD	WILD	JIUJIANG SHANGHAI	~ Oct 1996 22 Dec 1996	NONE NONE	Capture Transfer		
370	F	~ 1995	WILD	WILD	TONGBEI HARBIN	~ 1995 ~ Oct 1995	NONE 002	Capture Transfer		002
371	M	~ 1996	WILD	WILD	WUYANG LUOHE BEIJING	~ Mar 1999 1 Apr 1999 3 Sep 1999	NONE NONE 99004	Capture Transfer Transfer	99004	
372	M	~ 1996	WILD	WILD	NINGZIA CHANGSHA	~ Oct 1996 16 Nov 1996 20 May 1997	NONE	Capture Transfer Death		
373	?	~ Jun 1996	WILD	WILD	JIANGSU LIANYUNGA	~ Nov 1997 ~ Nov 1997 ~ Dec 1997	NONE NONE	Capture Transfer Death		
374	?	~ Mar 1997	WILD	WILD	HEBEI QINHUANGD	~ Oct 1997 ~ Oct 1997	NONE	Capture Transfer		
375	?	6 Jul 1997	WLDCO3	WLDCO4	BEIJING	6 Jul 1997 23 Aug 1997	97201	Hatch Death	97201	
376	F	9 Jul 1998	UNK	WLDCO4	BEIJING	9 Jul 1998	98201	Hatch	98201	
377	?	12 Jul 1998	UNK	WLDCO4	BEIJING	12 Jul 1998 3 May 1999	98202	Hatch Death	98202	
378	?	~ May 1999	WILD	WILD	JILIN CHANGCHUN	~ Oct 1999 ~ Oct 1999 ~ Mar 2006	NONE 3#	Capture Transfer Death		3#
379	M	1 Jun 2000	351	356	BEIJING	1 Jun 2000	20501	Hatch	20501	
380	F	6 Jun 2000	351	353	BEIJING HARBIN	6 Jun 2000 17 Jul 2008	20301 NONE	Hatch Transfer	20301	
381	F	9 Jun 2000	351	356	BEIJING	9 Jun 2000	20502	Hatch	20502	
382	F	9 Jun 2000	347	WLDCO4	BEIJING NANJING	9 Jun 2000 19 Oct 2000	20201 NONE	Hatch Transfer	20201	

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
383	F	10 Jun 2000	351	354	BEIJING	10 Jun 2000	20401	Hatch	20401	
384	?	15 Jun 2000	351	354	BEIJING	15 Jun 2000 19 Jun 2001	20402	Hatch Death	20402	
385	F	18 Jun 2000	340	356	BEIJING NANJING	18 Jun 2000 19 Oct 2000	20503 NONE	Hatch Transfer	20503	
386	?	2 Jul 2000	366	343	HOPEI	2 Jul 2000 20 May 2002	_____	Hatch Death		
387	F	~ 1999	WILD	WILD	POYANGHU NANCHANG	~ Dec 2001 ~ Dec 2001	NONE _____	Capture Transfer		
388	F	~ 1998	WILD	WILD	ZHAOYUAN HARBIN	~ May 2001 16 May 2001	NONE 003	Capture Transfer		
389	?	~ 1998	WILD	WILD	HAILUN HARBIN	~ Sep 2001 1 Oct 2001 ~ Sep 2007	NONE 004	Capture Transfer Death	004	
390	F	~ 1998	WILD	WILD	JILIN HARBIN	~ Sep 2001 11 Oct 2001	NONE 005	Capture Transfer	005	
391	F	~ 1998	WILD	WILD	SHUANGYAS HARBIN	~ Nov 2001 23 Nov 2001	NONE 006	Capture Transfer	006	
392	M	~ Jun 1997	WILD	WILD	NEIMENG SHENYANG	~ Oct 1997 7 May 2001 16 Jun 2004	NONE 97-02	Capture Transfer Death	97-02	
393	M	~ Jun 1996	WILD	WILD	TIANJIN SHENYANG	~ Dec 1997 27 Nov 1998	NONE 96-03	Capture Transfer	96-03	
394	F	~ Jul 1996	WILD	WILD	TIANJIN SHENYANG	~ Dec 1997 27 Nov 1998	NONE 96-04	Capture Transfer	96-04	
400	F	5 May 2001	79	126	BARABOO	5 May 2001	060069	Hatch		HAGRID
401	F	15 May 2001	79	126	BARABOO	15 May 2001 11 Jun 2001	060070	Hatch Death		WEASLEY
402	M	22 May 2001	87	94	BERLIN TP MARLOW BP CRACID BC	22 May 2001 8 Oct 2003 27 Oct 2004	B00171 850 GLT035	Hatch Transfer Transfer	TP BERLIN	HARRY AB
403	M	3 Jun 2001	111	47	CAMBRON	3 Jun 2001 21 Mar 2002	5485	Hatch Death		VLADIMIR I
404	F	10 Jun 2001	148	121	CAMBRON	10 Jun 2001	5486	Hatch		JEANINE
405	M	6 Jul 2001	35	99	MOSCOW	6 Jul 2001	10456	Hatch		ALF
406	M	27 Apr 2001	85	97	OKA CRANE ARMIZON	27 Apr 2001 6 Aug 2001	OKA182 _____	Hatch Release	ltf	ALMAZ
407	F	4 May 2001	73	75	OKA CRANE	4 May 2001 4 May 2001	OKA183	Hatch Death		IZUMRUD
408	M	5 May 2001	85	97	OKA CRANE ARMIZON	5 May 2001 6 Aug 2001	OKA184 _____	Hatch Release	ltf	MALAKHIT
409	M	6 May 2001	33	68	OKA CRANE ARMIZON	6 May 2001 6 Aug 2001	OKA185 _____	Hatch Release	ltf	YASHMA
410	F	8 May 2001	85	97	OKA CRANE ARMIZON	8 May 2001 6 Aug 2001	OKA186 _____	Hatch Release	ltf	RUBIN
411	F	14 May 2001	33	68	OKA CRANE ARMIZON	14 May 2001 6 Aug 2001	OKA187 _____	Hatch Release	ltf	ONIX
412	F	16 May 2001	82	128	OKA CRANE	16 May 2001 17 May 2001	OKA188	Hatch Death		TOPAZ
413	F	18 May 2001	82	128	OKA CRANE ARMIZON OKA CRANE CRACID BC	18 May 2001 6 Aug 2001 25 Sep 2001 22 May 2002	OKA189 NONE OKA189 GLT023	Hatch Transfer Transfer Transfer	16072A	SAPPHIR

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
414	?	20 May 2001	73	75	OKA CRANE ASTRAKHAN	20 May 2001 ~ Sep 2001	OKA190	Hatch ltf Release		NEPHRIT
415	F	21 May 2001	33	68	OKA CRANE ARMIZON	21 May 2001 6 Aug 2001	OKA191	Hatch ltf Release		PHIANIT
416	M	23 May 2001	73	75	OKA CRANE CRACID BC	23 May 2001 22 May 2002	OKA192 GLT024	Hatch Transfer	16076A	AGAT
417	F	24 May 2001	82	89	OKA CRANE CRACID BC	24 May 2001 22 May 2002	OKA193 GLT025	Hatch Transfer	16077A	AQUAMARIN
418	F	24 May 2001	82	128	OKA CRANE	24 May 2001 25 May 2001	OKA194	Hatch Death		OPAL
419	M	26 May 2001	UNK	42	OKA CRANE KUNOVAT	26 May 2001 10 Aug 2001	OKA195	Hatch ltf Release		LAZURIT
420	M	27 May 2001	82	89	OKA CRANE KUNOVAT	27 May 2001 10 Aug 2001	OKA196	Hatch ltf Release		BIRYUZA
421	M	29 May 2001	UNK	42	OKA CRANE	29 May 2001	OKA197	Hatch	16078A	GRANAT
422	M	3 Jun 2001	UNK	89	OKA CRANE ASTRAKHAN	3 Jun 2001 ~ Sep 2001	OKA198	Hatch ltf Release		YANTAR
423	F	4 Jun 2001	82	128	OKA CRANE CRACID BC	4 Jun 2001 22 May 2002	OKA199 GLT026	Hatch Transfer	16079A	KHRUSTAL
424	M	6 Jun 2001	UNK	42	OKA CRANE	6 Jun 2001 24 Jul 2001	OKA200	Hatch Death		AMETIST
425	M	9 Jun 2001	82	89	OKA CRANE CRACID BC	9 Jun 2001 22 May 2002	OKA201 GLT027	Hatch Transfer	16080A	RODONIT
426	M	21 Jun 2001	215	218	OKA CRANE CRACID BC	21 Jun 2001 22 May 2002	OKA202 GLT028	Hatch Transfer	16081A	ALEXANDRIT
427	?	17 May 2001	347	WLDCO4	BEIJING XIAN	17 May 2001 8 Apr 2004 12 Mar 2006	21201 NONE	Hatch Transfer Death	21201	
428	?	25 May 2001	347	WLDCO4	BEIJING CUIHU	25 May 2001 15 Nov 2005 ~ Jul 2006	21202 NONE	Hatch Transfer Death	21202	
429	?	8 Jun 2001	351	353	BEIJING	8 Jun 2001	21301	Hatch	21301	
430	?	9 Jun 2001	340	354	BEIJING XIAN	9 Jun 2001 8 Apr 2004 13 Sep 2007	21401 NONE	Hatch Transfer Death	21401	
431	?	17 Jun 2001	351	353	BEIJING	17 Jun 2001 4 Sep 2002	21302	Hatch Death	21302	
432	?	18 Jun 2001	351	356	BEIJING JINZHOU	18 Jun 2001 18 Aug 2001 ~ 2003	21501 NONE	Hatch Transfer Death	21501	
433	?	23 Jun 2001	351	356	BEIJING	23 Jun 2001 29 Jun 2001	21502	Hatch Death	21502	
434	?	23 Jun 2001	351	356	BEIJING JINZHOU	23 Jun 2001 18 Aug 2001 20 Aug 2001	21503 NONE	Hatch Transfer Death	21503	
435	?	24 Jun 2001	351	353	BEIJING NANNING	24 Jun 2001 22 Apr 2005	21303 NONE	Hatch Transfer	21303	
436	?	28 Jun 2001	351	356	BEIJING JINZHOU	28 Jun 2001 18 Aug 2001 ~ 2004	21504 NONE	Hatch Transfer Death	21504	
437	?	2 Jul 2001	351	356	BEIJING JINZHOU SHANHAIGU	2 Jul 2001 18 Aug 2001 ~ 2005	21505 NONE NONE	Hatch Transfer ltf Transfer	21505	
438	M	16 May 2001	62	182	TOKYOTAMA	16 May 2001	3573	Hatch	U0334	

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
439	?	29 May 2001	62	183	TOKYOTAMA	29 May 2001 30 May 2001	3729	Hatch Death		
440	M	31 May 2001	62	183	TOKYOTAMA	31 May 2001	3575	Hatch	U0335	
441	F	8 Jun 2001	62	183	TOKYOTAMA	8 Jun 2001	3589	Hatch	U0336	
442	F	10 Jun 2001	62	183	TOKYOTAMA	10 Jun 2001	3591	Hatch	U0337	
443	F	8 May 2001	149	142	CRACID BC	8 May 2001	GL0101	Hatch		SJATJE
444	F	14 May 2001	27	74	CRACID BC	14 May 2001	GL0102	Hatch		SJEELE
445	M	26 May 2001	27	142	CRACID BC TOKYOTAMA	26 May 2001 1 Oct 2003 11 Jan 2007	GL0103 4316	Hatch Transfer Death		KURT
446	M	3 Jun 2001	27	74	CRACID BC	3 Jun 2001	GL0104	Hatch		KOKI
448	M	3 Jul 2002	UNK	31	HIRAKAWA HIGASHI M	3 Jul 2002 1 Mar 2005	NONE 1265	Hatch Transfer		
450	M	9 May 2002	111	47	CAMBRON CRACID BC	9 May 2002 10 Mar 2003	6163 GLT032	Hatch Transfer	FY BLEU	WANJA
451	F	27 May 2002	148	121	CAMBRON	27 May 2002	6208	Hatch	AC VERT	WODKA
452	M	28 May 2002	111	47	CAMBRON CRACID BC	28 May 2002 9 Mar 2003 20 Sep 2008	6209 GLT033	Hatch Transfer Death	AN ROUGE	SLIVOVITZ
453	M	9 Jun 2002	111	47	CAMBRON CRACID BC	9 Jun 2002 9 Mar 2003	6211 GLT034	Hatch Transfer		NERO
454	M	11 Jun 2002	111	47	CAMBRON	11 Jun 2002 19 Mar 2007	6210	Hatch Death	6A RED	HELIO
455	?	5 Jun 2002	35	99	MOSCOW	5 Jun 2002 7 Jun 2002	20373	Hatch Death		
456	?	5 Jun 2002	35	99	MOSCOW	5 Jun 2002 10 Jun 2002	20374	Hatch Death		
457	M	29 Apr 2002	85	97	OKA CRANE KUSHEVAT OKA CRANE IRAN BUJAGH NP	29 Apr 2002 14 Aug 2002 21 Sep 2002 7 Jan 2003 26 Jan 2003 3 Mar 2003 ~ Sep 2003	OKA203 _____ OKA203 _____ _____ NONE	Hatch Transfer Transfer Transfer Release Capture Death		DON
458	M	8 May 2002	33	68	OKA CRANE	8 May 2002 10 Jun 2002	OKA204	Hatch Death		VOLGA
459	F	9 May 2002	33	68	OKA CRANE	9 May 2002 30 Aug 2002	OKA205	Hatch Death		NEVA
460	M	12 May 2002	73	75	OKA CRANE ARMIZON	12 May 2002 14 Aug 2002	OKA206 _____	Hatch Release	ltf	ONEGA
461	F	12 May 2002	85	97	OKA CRANE KUSHEVAT OKA CRANE KUNOVAT	12 May 2002 14 Aug 2002 21 Sep 2002 4 Jun 2003	OKA207 _____ OKA207 NONE	Hatch Transfer Transfer Release	ltf	YENISEY
462	F	14 May 2002	82	89	OKA CRANE	14 May 2002 18 May 2002	OKA208	Hatch Death		SVIR
463	M	17 May 2002	82	89	OKA CRANE ARMIZON	17 May 2002 14 Aug 2002	OKA209 _____	Hatch Release	ltf	USMANKA
464	F	21 May 2002	73	75	OKA CRANE KUSHEVAT ARMIZON	21 May 2002 14 Aug 2002 1 Sep 2002	OKA210 _____ _____	Hatch Transfer Release	ltf	BITYUG
465	M	21 May 2002	85	97	OKA CRANE	21 May 2002 5 Nov 2003	OKA211	Hatch Death		DESNA

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
466	M	22 May 2002	UNK	68	OKA CRANE ARMIZON	22 May 2002 14 Aug 2002	OKA212	Hatch lft Release		DNEPR
467	M	24 May 2002	37	42	OKA CRANE KUSHEVAT OKA CRANE IRAN	24 May 2002 14 Aug 2002 21 Sep 2002 7 Jan 2003 16 Jan 2003 ~ Apr 2003	OKA213	Hatch Transfer Transfer Release Death		KHOPER
468	F	24 May 2002	85	97	OKA CRANE	24 May 2002 29 May 2002	OKA214	Hatch Death		DVINA
469	F	25 May 2002	UNK	68	OKA CRANE ARMIZON	25 May 2002 14 Aug 2002	OKA215	Hatch lft Release		YAUZA
470	M	26 May 2002	82	89	OKA CRANE KUSHEVAT ARMIZON	26 May 2002 14 Aug 2002 1 Sep 2002	OKA216	Hatch Transfer lft Release		PRONYA
471	F	26 May 2002	82	128	OKA CRANE	26 May 2002 27 May 2002	OKA217	Hatch Death		NERUCH
472	M	26 May 2002	73	75	OKA CRANE ARMIZON	26 May 2002 14 Aug 2002	OKA218	Hatch lft Release		RATZA
473	M	30 May 2002	67	154	OKA CRANE	30 May 2002 6 Aug 2002	OKA219	Hatch Death		YANA
474	M	31 May 2002	82	68	OKA CRANE	31 May 2002 6 Jul 2002	OKA220	Hatch Death		VEL
475	M	2 Jun 2002	85	42	OKA CRANE	2 Jun 2002 9 Jul 2002	OKA221	Hatch Death		PECHORA
476	F	5 Jun 2002	85	89	OKA CRANE	5 Jun 2002 22 Mar 2003	OKA222	Hatch Death		OLANGA
477	F	7 Jun 2002	73	75	OKA CRANE IRAN	7 Jun 2002 7 Jan 2003 13 Jan 2003	OKA223	Hatch Transfer lft Release	YELLOW 77	ANGARA
478	M	14 Jun 2002	215	219	OKA CRANE	14 Jun 2002 8 Jul 2002	OKA224	Hatch Death		KON
479	F	15 Jun 2002	73	75	OKA CRANE TASHKENT	15 Jun 2002 10 Nov 2009	OKA225	Hatch Transfer		KUSHEVAT
480	M	19 Jun 2002	215	218	OKA CRANE KUNOVAT	19 Jun 2002 4 Jun 2003	OKA226	Hatch NONE lft Release		MOKSHA
481	M	21 Jun 2002	UNK	219	OKA CRANE KUNOVAT	21 Jun 2002 4 Jun 2003	OKA227	Hatch NONE lft Release		TSNA
482	F	11 Jun 2002	62	183	TOKYOTAMA HIGASHI M	11 Jun 2002 29 Jan 2005 2 Jun 2007	3946 1261	Hatch Transfer Death		
483	F	24 May 2002	95	104	WALSRODE CRACID BC	24 May 2002 1 Nov 2002 15 Feb 2005	BNU028 GLT031	Hatch Transfer Death		
484	M	6 May 2002	149	142	CRACID BC	6 May 2002	GL0201	Hatch		KOEN (Sjoe)
485	M	19 May 2002	163	142	CRACID BC	19 May 2002 24 Dec 2003	GL0202	Hatch Death		KOCH
486	M	20 May 2002	259	287	CRACID BC	20 May 2002	GL0203	Hatch		KUIFJE
487	F	30 May 2002	259	287	CRACID BC	30 May 2002	GL0204	Hatch		SJERP
488	M	2 Jun 2002	149	74	CRACID BC	2 Jun 2002	GL0205	Hatch		KUMMEL
489	M	4 Jun 2002	163	74	CRACID BC	4 Jun 2002	GL0206	Hatch		KARLOS
490	M	8 Jun 2002	27	116	CRACID BC	8 Jun 2002	GL0207	Hatch		KOBLENZ
491	M	11 Jun 2002	149	142	CRACID BC	11 Jun 2002	GL0208	Hatch		KENIA

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
492	F	17 Jun 2002	149	142	CRACID BC	17 Jun 2002 26 Sep 2003	GL0209	Hatch Death		SJINK
493	?	27 Apr 2002	366	343	HOPEI	27 Apr 2002		Hatch	02012	
494	F	~ 1996	WILD	WILD	MENGCHENG HOPEI	~ May 2002 4 Jun 2002	NONE	Capture Transfer	02011	
495	F	~ 1997	WILD	WILD	CHAOHU HOPEI	1 Sep 2002 23 Oct 2002	NONE	Capture Transfer	02013	
496	M	~ 2002	WILD	WILD	ANQINGWAI HOPEI	~ Oct 2002 6 Nov 2002	NONE	Capture Transfer	02014	
497	M	~ 1997	WILD	WILD	LONGHU HOPEI YANCHENG	~ Oct 2002 19 Nov 2002 18 Apr 2008	NONE 02015 02015	Capture Transfer Transfer	02015	
498	M	~ 1995	WILD	WILD	ANQINGWAI HOPEI	~ Nov 2001 13 Dec 2002	NONE	Capture Transfer	02016	
499	M	~ 1998	WILD	WILD	ANHWEI QINGYING BEIJING	~ Apr 2002 ~ May 2002 ~16 Jan 2003	NONE NONE NONE	Capture Transfer Transfer	2003001	
500	F	9 May 2003	82	226	OKA CRANE	9 May 2003 15 May 2003	OKA228	Hatch Death		DNESTR
501	F	10 May 2003	73	75	OKA CRANE	10 May 2003 10 May 2003	OKA229	Hatch Death		ENTALA
502	F	11 May 2003	82	128	OKA CRANE KUNOVAT RUSSIA OKA CRANE	11 May 2003 9 Aug 2003 ~ Oct 2003 ~ 2005	OKA230 NONE NONE OKA230	Hatch Release Capture Transfer		KAMA
503	M	12 May 2003	33	68	OKA CRANE ARMIZON	12 May 2003 18 Aug 2004	OKA231 A25405	Hatch Release	A 25405	ALDAN
504	F	13 May 2003	85	97	OKA CRANE KUNOVAT	13 May 2003 9 Aug 2003	OKA232 NONE	Hatch Release	ltf	VILYUI
505	M	14 May 2003	73	75	OKA CRANE	14 May 2003	OKA233	Hatch		CHARA
506	F	15 May 2003	33	68	OKA CRANE KUNOVAT	15 May 2003 9 Aug 2003	OKA234 NONE	Hatch Release	ltf	CHUNYA
507	M	16 May 2003	85	97	OKA CRANE KUNOVAT	16 May 2003 9 Aug 2003	OKA235 NONE	Hatch Release	ltf	OLENEK
508	M	17 May 2003	67	154	OKA CRANE KUNOVAT	17 May 2003 9 Aug 2003	OKA236 NONE	Hatch Release	ltf	URAL
509	M	17 May 2003	37	42	OKA CRANE	17 May 2003	OKA237	Hatch		TYUNG
510	F	18 May 2003	73	75	OKA CRANE	18 May 2003	OKA238	Hatch		SOIMA
511	F	18 May 2003	82	128	OKA CRANE MOSCOW	18 May 2003 24 Mar 2004 30 Oct 2007	OKA239 40540	Hatch Transfer Death		TARUSA
512	M	21 May 2003	82	128	OKA CRANE	21 May 2003 21 May 2003	OKA240	Hatch Death		POINTA
513	F	23 May 2003	82	42	OKA CRANE	23 May 2003 23 May 2003	OKA241	Hatch Death		MAYA
514	F	23 May 2003	33	68	OKA CRANE KUNOVAT	23 May 2003 9 Aug 2003	OKA242 NONE	Hatch Release	ltf	ISTRA
515	M	24 May 2003	85	97	OKA CRANE	24 May 2003 24 May 2003	OKA243	Hatch Death		OYAT
516	M	29 May 2003	82	89	OKA CRANE ASTRAKHAN	29 May 2003 11 Oct 2004	OKA244 145904	Hatch Release	A 145904	KOSTROMA
517	F	2 Jun 2003	85	89	OKA CRANE IRAN	2 Jun 2003 23 Dec 2003 ~ 2004 7 Nov 2005	OKA245 NONE NONE NONE	Hatch Release Capture Release	ORANGE XP	SUNA

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
518	M	2 Jun 2003	85	42	OKA CRANE TASHKENT	2 Jun 2003 10 Nov 2009	OKA246	Hatch Transfer		BOBRIK
519	M	2 Jun 2003	85	219	OKA CRANE IRAN	2 Jun 2003 23 Dec 2003	OKA247 NONE	Hatch Release	ltf	VOKHMA
520	M	4 Jun 2003	85	97	OKA CRANE ASTRAKHAN	4 Jun 2003 11 Oct 2004	OKA248 145903	Hatch Release	A 145903 ltf	AMUR
521	F	5 Jun 2003	73	75	OKA CRANE	5 Jun 2003 8 Jun 2003	OKA249	Hatch Death		YUSHUT
522	F	6 Jun 2003	215	218	OKA CRANE ARMIZON BASHKIRIA OKA CRANE	6 Jun 2003 18 Aug 2004 17 Nov 2004 22 Dec 2004	OKA250 A25411 A25411 OKA250	Hatch Release Capture Transfer	A 25411	MOSCOW
523	M	11 Jun 2003	85	42	OKA CRANE ARMIZON	11 Jun 2003 18 Aug 2004	OKA251 A25410	Hatch Release	A 25410 ltf	VORONEZH
524	F	12 Jun 2003	85	89	OKA CRANE	12 Jun 2003 30 Jun 2003	OKA252	Hatch Death		RUZA
525	M	25 Apr 2003	259	287	CRACID BC	25 Apr 2003	GL0301	Hatch		
526	F	4 May 2003	149	142	CRACID BC	4 May 2003	GL0302	Hatch	99/66	
527	M	7 May 2003	149	142	CRACID BC	7 May 2003	GL0303	Hatch	79	
528	F	8 May 2003	27	74	CRACID BC	8 May 2003	GL0304	Hatch	60	
529	F	8 May 2003	27	214	CRACID BC	8 May 2003	GL0305	Hatch	61	HEIDI
530	F	14 May 2003	27	214	CRACID BC	14 May 2003	GL0306	Hatch	85	MIMI
531	F	17 May 2003	149	74	CRACID BC	17 May 2003	GL0307	Hatch	91	
532	F	18 May 2003	149	30	CRACID BC	18 May 2003	GL0308	Hatch	98	
533	M	20 May 2003	27	214	CRACID BC	20 May 2003	GL0309	Hatch	88	ADOLPH
534	F	20 May 2003	149	142	CRACID BC	20 May 2003	GL0310	Hatch	86	
535	M	23 May 2003	259	287	CRACID BC	23 May 2003	GL0311	Hatch	92	
536	M	27 May 2003	149	142	CRACID BC	27 May 2003	GL0312	Hatch	89	
537	M	28 May 2003	259	287	CRACID BC	28 May 2003	GL0313	Hatch	96	
538	M	2 Jun 2003	57	30	CRACID BC	2 Jun 2003	GL0314	Hatch	84	
539	M	8 Jun 2003	57	30	CRACID BC	8 Jun 2003 26 Sep 2003	GL0315	Hatch Death		
540	F	12 Jun 2003	27	74	CRACID BC	12 Jun 2003	GL0316	Hatch	94	
541	F	22 Jun 2003	57	30	CRACID BC	22 Jun 2003	GL0317	Hatch		
542	M	17 Jun 2003	63	183	TOKYOTAMA	17 Jun 2003	4247	Hatch		
543	M	28 Jun 2003	63	183	TOKYOTAMA SENDAISHI	28 Jun 2003 5 Oct 2005	4248 NONE	Hatch Transfer		
544	M	10 Jun 2003	35	99	MOSCOW KALININGR	10 Jun 2003 14 Feb 2007	30463	Hatch Transfer		
545	F	26 May 2004	63	182	TOKYOTAMA	26 May 2004 6 Apr 2006	4431	Hatch Death		
546	?	10 May 2003	351	353	BEIJING XIAN	10 May 2003 8 Apr 2004 6 Oct 2006	NONE NONE	Hatch Transfer Death	03301	
547	M	13 May 2003	347	WLDCO4	BEIJING HARBIN	13 May 2003 17 Jul 2008	NONE NONE	Hatch Transfer	03201	
548	?	16 May 2003	347	WLDCO4	BEIJING NANNING	16 May 2003 22 Apr 2005	03202 NONE	Hatch Transfer	03202	

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
549	?	20 May 2003	351	349	BEIJING	20 May 2003 ~13 Jun 2003		Hatch Death	03701	
550	?	22 May 2003	351	WLDCO4	BEIJING XIAN	22 May 2003 8 Apr 2004	NONE	Hatch Transfer	03203	
551	F	27 May 2003	351	348	BEIJING SHANGHAIZ	27 May 2003 29 Jul 2004	NONE NONE	Hatch Transfer	03601	
552	?	1 Jun 2003	351	353	BEIJING XIAN	1 Jun 2003 8 Apr 2004 18 Jan 2006	NONE NONE	Hatch Transfer Death	03302	
553	?	2 Jun 2003	351	356	BEIJING	2 Jun 2003 ~ 5 Jun 2003		Hatch Death	03501	
554	F	9 Jun 2003	351	348	BEIJING XIAN	9 Jun 2003 8 Apr 2004	NONE	Hatch Transfer	03602	
555	?	16 Jun 2003	351	353	BEIJING	16 Jun 2003 18 Jun 2003		Hatch Death	03502	
556	?	19 Jun 2003	351	356	BEIJING XIAN	19 Jun 2003 8 Apr 2004 29 Jul 2006	NONE NONE	Hatch Transfer Death	03303	
557	M	????	WILD	WILD	CHICHIHAL ZHALONG	~ Oct 2002 ~ Oct 2002	NONE NONE	Capture Transfer		
558	?	1 Jun 2003	WILD	WILD	JINZHAI HOPEI	1 Nov 2003 3 Nov 2003	03017	Capture Transfer		
559	?	1 Jun 2003	WILD	WILD	JINZHAI HOPEI	3 Nov 2003 4 Nov 2003	03018	Capture Transfer		
560	M	12 May 2004	85	97	OKA CRANE	12 May 2004 19 May 2004	OKA253	Hatch Death		BUG
561	M	15 May 2004	85	97	OKA CRANE ARMIZON	15 May 2004 18 Aug 2004	OKA254 A25401	Hatch Release	A 25401	ALAZEA
562	M	15 May 2004	73	75	OKA CRANE ARMIZON	15 May 2004 18 Aug 2004	OKA255 A25412	Hatch Release	A 25412	VYAZMA
563	F	18 May 2004	73	75	OKA CRANE ARMIZON	18 May 2004 18 Aug 2004	OKA256 A25402	Hatch Release	A 25402	KLYAZMA
564	F	23 May 2004	82	128	OKA CRANE	23 May 2004 23 May 2004	OKA257	Hatch Death		VOLOZHBA
565	M	24 May 2004	33	68	OKA CRANE ARMIZON	24 May 2004 18 Aug 2004	OKA258 A25406	Hatch Release	A 25406	MEZEN
566	F	24 May 2004	85	154	OKA CRANE	24 May 2004 24 May 2004	OKA259	Hatch Death		PIZHMA
567	M	26 May 2004	33	68	OKA CRANE ARMIZON	26 May 2004 18 Aug 2004	OKA260 A25413	Hatch Release	A 25413	SHUYA
568	M	27 May 2004	82	128	OKA CRANE ARMIZON	27 May 2004 18 Aug 2004	OKA261 A25409	Hatch Release	A 25409	OSHTA
569	M	28 May 2004	73	75	OKA CRANE ARMIZON	28 May 2004 18 Aug 2004	OKA262 A25408	Hatch Release	A 25408	PASHA
570	M	1 Jun 2004	85	219	OKA CRANE ASTRAKHAN	1 Jun 2004 11 Oct 2004	OKA263 145907	Hatch Release	A 145907	GZHAT
571	M	3 Jun 2004	82	42	OKA CRANE ASTRAKHAN	3 Jun 2004 11 Oct 2004	OKA264 145902	Hatch Release	A 145902	OSKOL
572	M	5 Jun 2004	85	42	OKA CRANE	5 Jun 2004 5 Jun 2004	OKA265	Hatch Death		SARTANG
573	F	10 Jun 2004	82	128	OKA CRANE IRAN	10 Jun 2004 ~ Jan 2007	OKA266 NONE	Hatch Release		INYA
574	M	25 May 2004	269	247	MOSCOW ANAPA	25 May 2004 4 Oct 2007	40631 NONE	Hatch Transfer		ADAM

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
575	F	26 May 2004	269	247	MOSCOW ANAPA	26 May 2004 4 Oct 2007	40636 NONE	Hatch Transfer		
576	?	13 May 2002	351	WLDC04	BEIJING	13 May 2002 30 May 2003	NONE	Hatch Death	2002201	
577	?	16 May 2002	351	WLDC04	BEIJING XIAN	16 May 2002 8 Apr 2004 6 Oct 2007	NONE	Hatch Transfer Death	2002202	
578	?	24 May 2002	351	WLDC04	BEIJING BAOTING	24 May 2002 16 Nov 2002		Hatch Transfer	2002203	
579	F	19 May 2002	351	356	BEIJING BAOTING	19 May 2002 16 Nov 2002		Hatch Transfer	2002501	
580	?	22 May 2002	351	356	BEIJING BAOTING	22 May 2002 16 Nov 2002	NONE	Hatch Transfer	2002502	
581	?	1 Jun 2002	351	356	BEIJING XIAN	1 Jun 2002 8 Apr 2004 1 Feb 2006	NONE NONE	Hatch Transfer Death	2002503	
582	?	15 Jun 2002	351	356	BEIJING XIAN	15 Jun 2002 8 Apr 2004 29 Mar 2007	NONE	Hatch Transfer Death	2002504	
583	?	26 Jun 2002	351	356	BEIJING BAOTING	26 Jun 2002 16 Nov 2002		Hatch Transfer	2002505	
584	F	~ 1995	WILD	WILD	BAIDA CHANGCHUN	~ 1997 ~ Jul 1998 ~ Jun 2007	NONE NONE	Capture Transfer Death		
585	?	~ 2002	WILD	WILD	XIANGTAN CHANGCHUN HARBIN CHANGCHUN	~ Jul 2002 ~ Aug 2002 ~ Jun 2003 ~ May 2005	NONE NONE NONE NONE	Capture Transfer Transfer Transfer		
587	?	4 Jun 2004	109	127	FRANKLINP	4 Jun 2004 8 Jun 2004	F04422	Hatch Death		
588	?	27 May 2004	35	99	MOSCOW	27 May 2004 1 Jun 2004	40637	Hatch Death		
589	M	1 Jun 2004	35	99	MOSCOW ROEVRUCHI	1 Jun 2004 14 Feb 2007	40666 NONE	Hatch Transfer		IVOMECC
590	?	6 May 2004	259	287	CRACID BC	6 May 2004 18 Sep 2004	GL0401	Hatch Death	04-0031	
591	M	13 May 2004	27	142	CRACID BC	13 May 2004	GL0402	Hatch	04-0038	
592	M	16 May 2004	163	167	CRACID BC	16 May 2004	GL0403	Hatch	04-0004	
593	F	24 May 2004	52	214	CRACID BC	24 May 2004	GL0404	Hatch	04-0040	
594	F	30 May 2004	259	74	CRACID BC	30 May 2004 ~ Dec 2005	GL0405	Hatch Death	04-0009	
595	F	8 Jun 2004	149	30	CRACID BC	8 Jun 2004	GL0406	Hatch	04-0012	
596	F	9 Jun 2004	416	116	CRACID BC	9 Jun 2004 25 Mar 2006	GL0407	Hatch Death	04-0007	
597	F	12 Jun 2004	425	167	CRACID BC	12 Jun 2004	GL0408	Hatch	04-0021	
598	M	16 Jun 2004	416	142	CRACID BC	16 Jun 2004	GL0409	Hatch	04-0003	
599	M	2 Jul 2004	149	142	CRACID BC	2 Jul 2004	GL0410	Hatch	GREEN 99	
600	M	11 Jun 2004	95	104	WALSRODE	11 Jun 2004	BNU29	Hatch		
601	?	????	WILD	WILD	TSINAN BEIJING	???? 17 Jun 2004 17 Jul 2007	NONE	Transfer Transfer Death	2004001	
602	?	????	WILD	WILD	TSINAN BEIJING	???? 17 Jun 2004	NONE	Transfer Transfer	2004002	

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
603	?	12 May 2004	351	349	BEIJING	12 May 2004 1 Jun 2004		Hatch Death	04701	
604	?	16 May 2004	351	348	BEIJING SHIH CHIA	16 May 2004 11 Apr 2005 31 Dec 2006	04601 NONE	Hatch Transfer Death	04601	
605	?	22 May 2004	351	WLDCO4	BEIJING SHIH CHIA	22 May 2004 11 Apr 2005	04201 NONE	Hatch Transfer	04201	
606	?	24 May 2004	351	348	BEIJING SHIH CHIA	24 May 2004 11 Apr 2005	04602 NONE	Hatch Transfer	04602	
607	?	24 May 2004	351	349	BEIJING SHIH CHIA	24 May 2004 11 Apr 2005	04702 NONE	Hatch Transfer	04702	
608	?	25 May 2004	351	356	BEIJING SHIH CHIA	25 May 2004 11 Apr 2005	04501 NONE	Hatch Transfer	04501	
609	?	27 May 2004	351	348	BEIJING SHIH CHIA	27 May 2004 11 Apr 2005	04603 NONE	Hatch Transfer	04603	
610	?	28 May 2004	351	349	BEIJING SHIH CHIA	28 May 2004 11 Apr 2005	04703 NONE	Hatch Transfer	04703	
611	?	2 Jun 2004	351	WLDCO4	BEIJING SHIH CHIA	2 Jun 2004 11 Apr 2005	04202 NONE	Hatch Transfer	04202	
612	?	5 Jun 2004	351	349	BEIJING SHIH CHIA	5 Jun 2004 11 Apr 2005	04704 NONE	Hatch Transfer	04704	
613	?	6 Jun 2004	351	353	BEIJING SHIH CHIA	6 Jun 2004 4 Nov 2005	04301 NONE	Hatch Transfer	04301	
614	M	????	WILD	WILD	HOPEI YANCHENG	28 Dec 2004 18 Apr 2009	04019 04019	Transfer Transfer	04019	
615	?	~ May 2003	WILD	WILD	SUSONO LINGHU	~ Nov 2003 ~ Nov 2003 ~ Dec 2003	NONE NONE	Capture Transfer Death		
616	M	4 Jun 2005	149	110	BERLIN TP CRACID BC	4 Jun 2005 23 Feb 2006	B00406 GLT036	Hatch Transfer		
617	F	8 Jun 2005	149	110	BERLIN TP WALSRODE	8 Jun 2005 7 Dec 2005	B00407 BNU31	Hatch Transfer		
618	M	9 Jun 2005	149	94	BERLIN TP	9 Jun 2005 14 Jan 2006	B00408	Hatch Death		
620	M	27 May 2005	255	250	RISKEN BREMEHR L RISKEN	27 May 2005 28 May 2005 ~ Sep 2005	05-01 05-01 05-01	Hatch Transfer Transfer	03020,0DBN	
621	M	5 Jun 2005	95	104	WALSRODE	5 Jun 2005 3 Apr 2006	BNU030	Hatch Death	DBNA-AZ428	
622	F	6 May 2005	UNK	UNK	CRACID BC	6 May 2005 ~ Feb 2006	GL0501	Hatch Death	05-0049	
623	F	12 May 2005	UNK	UNK	CRACID BC UARAB EM	12 May 2005 ~ Mar 2008	GL0502 NONE	Hatch Transfer	05-0140	
624	M	14 May 2005	UNK	UNK	CRACID BC	14 May 2005	GL0503	Hatch	05-127	
625	F	14 May 2005	UNK	UNK	CRACID BC	14 May 2005	GL0504	Hatch		
626	F	16 May 2005	UNK	UNK	CRACID BC	16 May 2005	GL0505	Hatch	05-0071	
627	M	16 May 2005	UNK	UNK	CRACID BC KOLN	16 May 2005 15 Feb 2006	GL0506 B4735	Hatch Transfer	25	
628	M	18 May 2005	UNK	UNK	CRACID BC ALBUSTAN	18 May 2005 14 Feb 2009	GL0507 BGL001	Hatch Transfer	05-0128	
629	F	19 May 2005	149	UNK	CRACID BC	19 May 2005	GL0508	Hatch		
630	F	22 May 2005	UNK	UNK	CRACID BC	22 May 2005	GL0509	Hatch		

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
631	F	23 May 2005	UNK	UNK	CRACID BC KOLN	23 May 2005 15 Feb 2006	GL0510 B4736	Hatch Transfer	13	
632	F	29 May 2005	UNK	UNK	CRACID BC ALBUSTAN	29 May 2005 14 Feb 2009	GL0511 BGL002	Hatch Transfer	05-068	
633	M	1 Jun 2005	UNK	UNK	CRACID BC	1 Jun 2005	GL0512	Hatch	05-0133	
634	M	6 Jun 2005	UNK	UNK	CRACID BC UARAB EM	6 Jun 2005 ~ Mar 2008	GL0513 NONE	Hatch Transfer	05-0148	
635	F	9 Jun 2005	149	UNK	CRACID BC	9 Jun 2005	GL0514	Hatch		
636	M	17 May 2005	35	99	MOSCOW OSTRAVA	17 May 2005 29 Oct 2009	50200	Hatch Transfer		ARGON
637	F	20 May 2005	269	247	MOSCOW ROEVRUCHI	20 May 2005 14 Feb 2007	50201 NONE	Hatch Transfer		GORGONA
638	?	12 May 2005	351	353	BEIJING	12 May 2005 17 Oct 2008	NONE	Hatch Death	05301	
639	?	31 May 2005	347	WLDCO4	BEIJING	31 May 2005	NONE	Hatch	05201	
640	?	7 Jun 2005	351	348	BEIJING	7 Jun 2005 8 Jul 2005	NONE	Hatch Death	05601	
641	?	11 Jun 2005	351	356	BEIJING	11 Jun 2005 12 Jun 2005	NONE	Hatch Death		
642	M	27 May 2005	73	75	OKA CRANE IRAN IRAN	27 May 2005 ~ Jan 2007 ~ Nov 2007	OKA267 NONE NONE	Hatch Transfer Release	GREEN+RED A-145911	VITIM
643	F	29 May 2005	37	42	OKA CRANE KALININGR	29 May 2005 21 Oct 2006	OKA268 TB4000	Hatch Transfer		PURGATCH
644	F	29 May 2005	215	218	OKA CRANE	29 May 2005 21 Jun 2005	OKA269	Hatch Death		MEGRA
645	M	11 Jun 2005	UNK	219	OKA CRANE NOVOSIBRK	11 Jun 2005 25 Oct 2008	OKA270 754004	Hatch Transfer	RED	OMA
646	M	11 Jun 2005	82	128	OKA CRANE	11 Jun 2005	OKA271	Hatch		UKHTA
647	M	17 Jun 2005	85	42	OKA CRANE IRAN	17 Jun 2005 9 Dec 2008	OKA272 NONE	Hatch Release		NEYA
648	F	18 Jun 2005	85	97	OKA CRANE	18 Jun 2005 11 Jul 2007	OKA273	Hatch Death		KUBAN
649	F	19 Jun 2005	UNK	154	OKA CRANE	19 Jun 2005 16 Jan 2006	OKA274	Hatch Death		YUZA
650	?	~ 2005	WILD	WILD	TONGCHENG HOPEI	30 Oct 2005 1 Nov 2005 8 Nov 2005	NONE 05020	Capture Transfer Death		
651	?	~ 2005	WILD	WILD	FEIDONG HOPEI YANCHENG	9 Nov 2005 9 Nov 2005 18 Apr 2008	NONE 05021 05021	Capture Transfer Transfer	05021	
652	M	~ 2005	WILD	WILD	JINZHAI HOPEI SHANGHAIZ	15 Nov 2005 18 Nov 2005 25 Dec 2006	NONE 05022 NONE	Capture Transfer Transfer		
653	?	1 Jun 2005	WILD	WILD	LIXIN HOPEI SHANGHAIZ	22 Nov 2005 24 Nov 2005 25 Dec 2006	NONE 05023 NONE	Capture Transfer Transfer		
654	?	~2000 +/-1yr	WILD	WILD	ZONGYANG LINGHU	~ Nov 2003 20 Nov 2003 26 Oct 2005	0.5 NONE	Capture Transfer Death		
655	?	~2000 +/-2yr	WILD	WILD	POYANGHU NANCHANG	~ 2005 ~ Dec 2005	NONE NONE	Capture Transfer		
656	?	~2000 +/-2yr	WILD	WILD	POYANGHU NANCHANG	~ 2005 ~ Dec 2005	NONE NONE	Capture Transfer		

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
657	?	????	WILD	WILD	TIANBEIXI JIANGNAN	~ Oct 2005 ~ Oct 2005	NONE NONE	Capture Transfer		
658	?	15 May 2006	351	353	BEIJING	15 May 2006	06301	Hatch	010A009	
659	?	23 May 2006	351	356	BEIJING XIXIAKOU	23 May 2006 25 Sep 2006	06601 NONE	Hatch Transfer	010A004	
660	?	30 May 2006	351	356	BEIJING XIXIAKOU	30 May 2006 25 Sep 2006	06501 NONE	Hatch Transfer	010A003	
661	M	11 May 2006	234	214	CRACID BC	11 May 2006	GL0601	Hatch	10-752	BANGO
662	M	11 May 2006	425	74	CRACID BC	11 May 2006	GL0602	Hatch	10-753	PISCO
663	M	15 May 2006	319	142	CRACID BC	15 May 2006	GL0603	Hatch	10-754	ZORRO
664	F	22 May 2006	425	142	CRACID BC	22 May 2006	GL0604	Hatch	10-755	FABO
665	F	25 May 2006	425	142	CRACID BC	25 May 2006	GL0605	Hatch	10-756	PLAU
666	M	26 May 2006	402	214	CRACID BC	26 May 2006	GL0606	Hatch	10-758	BACARDI
667	F	30 May 2006	285	142	CRACID BC	30 May 2006	GL0607	Hatch	22-06-036	BERT
668	F	2 Jun 2006	402	214	CRACID BC	2 Jun 2006	GL0608	Hatch		MALTE
669	M	5 Jun 2006	27	142	CRACID BC	5 Jun 2006	GL0609	Hatch		MOMO
670	M	7 Jun 2006	259	287	CRACID BC	7 Jun 2006	GL0610	Hatch	22-06-037	SUSAN
671	F	20 Jun 2006	285	116	CRACID BC	20 Jun 2006	GL0611	Hatch	22-06-040	SEBAS
672	F	3 Jul 2006	27	413	CRACID BC	3 Jul 2006	GL0612	Hatch		EDU
674	F	9 May 2006	35	99	MOSCOW OSTRAVA	9 May 2006 29 Oct 2009	60414 _____	Hatch Transfer		
675	M	7 May 2006	119	110	BERLIN TP KOOY P	7 May 2006 14 Mar 2007	B00443 NONE	Hatch Transfer		
676	?	29 May 2006	119	94	BERLIN TP	29 May 2006 8 Jul 2006	B00434	Hatch Death		
677	M	31 May 2006	119	94	BERLIN TP KOOY P	31 May 2006 14 Mar 2007	B0435 NONE	Hatch Transfer		
678	F	3 Jun 2006	73	75	OKA CRANE KUNOVAT	3 Jun 2006 1 Jul 2009	OKA275 NONE	Hatch Release		ITERA
679	M	6 Jun 2006	73	75	OKA CRANE KUNOVAT	6 Jun 2006 1 Jul 2009	OKA276 NONE	Hatch Release		YAMAL
680	F	12 Jun 2006	73	75	OKA CRANE	12 Jun 2006 17 Aug 2006	OKA277	Hatch Death		YUGRA
681	F	12 Jun 2006	215	218	OKA CRANE	12 Jun 2006 13 Jun 2006	OKA278	Hatch Death		DUBNA
682	F	14 Jun 2006	33	68	OKA CRANE	14 Jun 2006 15 Aug 2006	OKA279	Hatch Death		TYUMA
683	M	23 Jun 2006	82	128	OKA CRANE	23 Jun 2006	OKA280	Hatch		PINEGA
684	F	6 Jun 2006	95	104	WALSRODE	6 Jun 2006	BNU32	Hatch		
685	?	19 Jun 2006	258	251	TALLIN	19 Jun 2006 20 Jun 2006	16189	Hatch Death		
686	?	~ 2004	WILD	WILD	BAICHENG CHANGCHUN	~ Jun 2006 2 Jun 2006	NONE NONE	Capture Transfer		
687	?	~ 2004	WILD	WILD	BAICHENG CHANGCHUN	~ Jun 2006 ~ Jun 2006	NONE NONE	Capture Transfer		
688	?	????	WILD	WILD	JINZHAI HOPEI YANCHENG	28 Oct 2006 28 Oct 2006 18 Apr 2008	NONE 06024 06024	Capture Transfer Transfer	06024	

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
689	?	????	WILD	WILD	JIUJIANG GANTANG	2 Dec 2003 2 Dec 2003	NONE NONE	Capture Transfer		
690	?	~ 2007	WILD	WILD	JINZHAI HOPEI YANCHENG	30 Oct 2007 30 Oct 2007 18 Apr 2008	NONE 07025 07025	Capture Transfer Transfer	07025	
691	?	25 May 2007	351	353	BEIJING	25 May 2007	_____	Hatch		
692	?	25 May 2007	351	356	BEIJING	25 May 2007 30 Jun 2007	_____	Hatch Death		
693	?	????	UNK	UNK	L RUHE PHILADELP	~ Jan 1904 19 Apr 1904 1 Aug 1904	NONE 21601	Transfer Transfer Death		
694	?	????	UNK	UNK	L RUHE PHILADELP	~ Jan 1904 19 Apr 1904 6 May 1908	NONE 21602	Transfer Transfer Death		
695	?	????	UNK	UNK	L RUHE PHILADELP	~ Jan 1904 23 Aug 1904 8 Aug 1938	NONE 21603	Transfer Transfer Death		
696	?	~ May 1926	WILD	WILD	SANDIEGOZ	1 Jan 1927 1 Jan 1932	413654	Transfer Death		
697	?	~ May 1926	WILD	WILD	SANDIEGOZ	1 Jan 1927 1 Jan 1932	413655	Transfer Death		
698	F	????	UNK	UNK	EVANS NZP-WASH	~ Jan 1931 7 May 1931 25 Dec 1950	NONE 13477A	Transfer Transfer Death		
699	F	????	UNK	UNK	EVANS NZP-WASH	~ Jan 1931 7 May 1931 31 Dec 1931	NONE 13477B	Transfer Transfer Death		
701	F	11 May 2007	149	74	CRACID BC	11 May 2007	GL0701	Hatch	20-07-0061	PITJE
702	F	22 May 2007	61	116	CRACID BC UARAB EM	22 May 2007 ~ Mar 2008	GL0702 NONE	Hatch Transfer	20-07-0062	USYA
703	F	24 May 2007	450	116	CRACID BC ALBUSTAN	24 May 2007 14 Feb 2009	GL0703 BGL003	Hatch Transfer	20-07-0074	MISKY
704	M	25 May 2007	234	214	CRACID BC UARAB EM	25 May 2007 ~ Mar 2008	GL0704 NONE	Hatch Transfer	20-07-0063	SUPAY
705	F	26 May 2007	234	74	CRACID BC	26 May 2007	GL0705	Hatch	20-07-0087	COCO
706	M	29 May 2007	92	142	CRACID BC UARAB EM	29 May 2007 ~ Mar 2008	GL0706 NONE	Hatch Transfer	20-07-0064	APU
707	F	1 Jun 2007	234	214	CRACID BC UARAB EM	1 Jun 2007 ~ Mar 2008	GL0707 NONE	Hatch Transfer	20-07-0065	CIELO
708	M	13 Jun 2007	234	214	CRACID BC ALBUSTAN	13 Jun 2007 14 Feb 2009	GL0708 BGL004	Hatch Transfer	070076 Gre	JUPITER
709	F	22 Jun 2007	UNK	30	CRACID BC ALBUSTAN	22 Jun 2007 14 Feb 2009	GL0709 BGL005	Hatch Transfer	20-07-0081	MOISES
710	M	28 Jun 2007	27	74	CRACID BC ALBUSTAN	28 Jun 2007 14 Feb 2009	GL0710 BGL006	Hatch Transfer	20-07-0072	URANO
711	F	3 Jun 2007	UNK	UNK	TOKYOTAMA	3 Jun 2007	5423	Hatch		
712	M	30 May 2007	258	251	TALLIN	30 May 2007	16572	Hatch		AMISH
713	?	1 May 2007	111	47	CAMBRON	1 May 2007	7857	Hatch	AO 7595	22
714	?	1 May 2007	111	47	CAMBRON	1 May 2007	7858	Hatch	AO 7595	23
715	M	1 May 2007	85	97	OKA CRANE CHOMUTOV	1 May 2007 24 Jul 2009	I-281 _____	Hatch Transfer		INGUL
716	F	15 May 2007	85	154	OKA CRANE YAROSLAVZ	15 May 2007 8 Oct 2009	1-282 _____	Hatch Transfer		LOTTA

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
717	M	19 May 2007	215	218	OKA CRANE ANAPA	19 May 2007 19 May 2008	1-283 NONE	Hatch Transfer		VIVI
718	F	27 May 2007	33	68	OKA CRANE ANAPA	27 May 2007 19 May 2008	1-284 NONE	Hatch Transfer		ANADYR
719	F	29 May 2007	421	75	OKA CRANE CHOMUTOV	29 May 2007 24 Jul 2009	1-285	Hatch Transfer		SIY
720	?	1 May 2007	95	104	WALSRODE	1 May 2007 17 Jul 2007	BNU33	Hatch Death		
721	?	24 May 2007	95	104	WALSRODE	24 May 2007 11 Sep 2007	BNU34	Hatch Death		
722	?	1 Jul 2008	258	251	TALLIN	1 Jul 2008 8 Jul 2008	17163	Hatch Death		
723	M	4 Jul 2008	258	251	TALLIN	4 Jul 2008	17164	Hatch		SHALLY
724	?	????	WILD	WILD	BUDAPEST BERLINZOO	1 Jan 1959 16 Jun 1967	200742 NONE	Transfer Transfer	ltf	
725	?	8 Jul 2007	258	251	TALLIN	8 Jul 2007 8 Jul 2007	16797	Hatch Death		
726	?	10 Jul 2007	258	251	TALLIN	10 Jul 2007 10 Jul 2007	16798	Hatch Death		
727	F	28 May 2008	440	298	TOKYOTAMA	28 May 2008	5679	Hatch		
730	M	14 May 2008	215	218	OKA CRANE GARAN EC	14 May 2008 10 Nov 2009	1-286 NONE	Hatch Transfer		STESHA
731	M	15 May 2008	421	97	OKA CRANE	15 May 2008 1 Aug 2008	1-287	Hatch Death		
732	M	16 Apr 2008	67	154	OKA CRANE ASTRAKHAN	16 Apr 2008 15 Sep 2009	1-288 NONE	Hatch Release	GREEN	YUGAN
733	M	16 Apr 2008	215	218	OKA CRANE	16 Apr 2008 13 Jul 2008	1-289	Hatch Death		ZENIT
734	F	19 Apr 2008	33	154	OKA CRANE GARAN EC	19 Apr 2008 10 Nov 2009	1-290 NONE	Hatch Transfer	RED	KATYUSHA
735	M	27 Apr 2008	73	75	OKA CRANE ASTRAKHAN	27 Apr 2008 15 Sep 2009	1-291 NONE	Hatch Release		AMGA
736	F	30 May 2008	82	128	OKA CRANE	30 May 2008 30 May 2008	1-292	Hatch Death		NERL
737	F	14 Jun 2008	82	128	OKA CRANE	14 Jun 2008 14 Jun 2008	1-293	Hatch Death		LANYU
738	M	14 Jul 2008	37	42	OKA CRANE YAROSLAVZ	14 Jul 2008 8 Oct 2009	1-294	Hatch Transfer	WHITE	VEKSA
740	M	12 May 2008	109	144	FRANKLINP CINCINNAT	12 May 2008 23 Sep 2009	F08409 209075	Hatch Transfer		NACHALO
751	F	5 May 2008	259	307	CRACID BC	5 May 2008	GL0801	Hatch	22-08-0026	JURU
752	M	5 May 2008	402	214	CRACID BC	5 May 2008	GL0802	Hatch	22-08-0027	TINCOS
753	M	8 May 2008	402	142	CRACID BC	8 May 2008	GL0803	Hatch	20-08-0118	GUAZA
754	F	11 May 2008	533	287	CRACID BC	11 May 2008	GL0804	Hatch	20-08-0119	KATISHA
755	F	19 May 2008	259	531	CRACID BC	19 May 2008	GL0805	Hatch	20-08-0120	TUMBES
756	F	21 May 2008	624	307	CRACID BC	21 May 2008	GL0806	Hatch	20-08-0121	PIURA
757	F	21 May 2008	450	116	CRACID BC	21 May 2008	GL0807	Hatch	20-08-0122	LAMBAYEQUE
758	F	21 May 2008	533	287	CRACID BC	21 May 2008	GL0808	Hatch	20-08-0123	MORON
759	F	23 May 2008	416	30	CRACID BC	23 May 2008	GL0809	Hatch	20-08-0125	ANCASH

SIBERIAN CRANE (*Grus leucogeranus*) International & EEP Studbook - Historical Listing

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
760	M	24 May 2008	402	142	CRACID BC	24 May 2008	GL0810	Hatch	20-08-0124	HUANUCO
761	M	26 May 2008	234	214	CRACID BC	26 May 2008	GL0811	Hatch	20-08-0126	ICA
762	M	28 May 2008	308	307	CRACID BC	28 May 2008	GL0812	Hatch	20-08-0129	AREQUIPA
763	F	29 May 2008	426	142	CRACID BC	29 May 2008	GL0813	Hatch	20-08-0127	MOQUEGUA
764	M	29 May 2008	426	287	CRACID BC	29 May 2008	GL0814	Hatch	20-08-0128	TACNA
765	M	31 May 2008	149	529	CRACID BC	31 May 2008	GL0815	Hatch	20-08-0130	CAJAMARCA
766	F	3 Jun 2008	450	116	CRACID BC	3 Jun 2008	GL0816	Hatch	20-08-0131	AMAZONAS
767	M	4 Jun 2008	402	307	CRACID BC	4 Jun 2008	GL0817	Hatch	20-08-0132	WILLI
768	?	4 Jun 2008	416	142	CRACID BC	4 Jun 2008	GL0818	Hatch		
769	M	5 Jun 2008	308	292	CRACID BC	5 Jun 2008	GL0819	Hatch	20-08-0133	OLMOS
770	F	8 Jun 2008	291	530	CRACID BC	8 Jun 2008	GL0820	Hatch	20-08-0134	PUCALLPA
771	M	11 Jun 2008	402	307	CRACID BC	11 Jun 2008	GL0821	Hatch	20-08-0135	CUZCO
772	M	13 Jun 2008	308	292	CRACID BC	13 Jun 2008	GL0822	Hatch	20-08-0137	ABANCAY
773	F	14 Jun 2008	450	116	CRACID BC	14 Jun 2008	GL0823	Hatch	20-08-0138	AYACUCHO
774	F	17 Jun 2008	450	221	CRACID BC	17 Jun 2008	GL0824	Hatch	20-08-0140	HUANCVELI
775	M	17 Jun 2008	533	530	CRACID BC	17 Jun 2008	GL0825	Hatch	20-08-0141	PASCO
776	F	17 Jun 2008	533	287	CRACID BC	17 Jun 2008	GL0826	Hatch	20-08-0142	JUNIN
777	F	22 Jun 2008	285	116	CRACID BC	22 Jun 2008	GL0827	Hatch	20-08-0143	TUMAN
778	M	24 Jun 2008	285	292	CRACID BC	24 Jun 2008	GL0828	Hatch	20-08-0145	PISCO
779	M	24 Jun 2008	259	287	CRACID BC	24 Jun 2008	GL0829	Hatch	20-08-0144	CHACLACAYO
780	M	30 Jun 2008	402	417	CRACID BC	30 Jun 2008	GL0830	Hatch	20-08-0147	GABRIEL
781	?	15 Jun 2008	351	356	BEIJING	15 Jun 2008	NONE	Hatch		
782	?	15 Jun 2008	351	356	BEIJING	15 Jun 2008 15 Jun 2008	NONE	Hatch Death		
783	?	????	WILD	WILD	ZHALONG	~ Jun 2008 ~ Jun 2008	NONE NONE	Capture Transfer		
784	?	1 Jun 1993	WILD	WILD	LIAONING PANJINZOO	~ 1994 ~ 1994	NONE NONE	Capture Transfer		
785	M	????	UNK	UNK	TONGLING	~ 2003	NONE	Transfer		
786	F	????	UNK	UNK	TONGLING	~ 2003	NONE	Transfer		
787	?	????	WILD	WILD	SHANTUNG TONGLING	~ 1994 ~ 2003	NONE NONE	Capture Transfer		
788	?	????	WILD	WILD	SHANTUNG TONGLING	~ 1994 ~ 2003	NONE NONE	Capture Transfer		
789	?	????	WILD	WILD	SHANTUNG TONGLING	~ 1994 ~ 2003	NONE NONE	Capture Transfer		
790	?	????	WILD	WILD	SHANTUNG TONGLING	~ 1994 ~ 2003	NONE NONE	Capture Transfer		
791	?	????	WILD	WILD	SHANTUNG TONGLING	~ 1994 ~ 2003	NONE NONE	Capture Transfer		
801	M	4 May 2009	109	144	FRANKLINP	4 May 2009	F09406	Hatch		KHANTY
802	F	22 Mar 2009	215	218	OKA CRANE	22 Mar 2009 8 Jul 2009	1-295	Hatch Death		TRUBEZH
803	F	25 May 2009	73	75	OKA CRANE ASTRAKHAN	25 May 2009 15 Sep 2009	1-296 NONE	Hatch Release		LYBED

SIBERIAN CRANE (*Grus leucogeranus*) International & EEP Studbook - Historical Listing

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
804	F	28 May 2009	73	75	OKA CRANE	28 May 2009 28 May 2009	1-297	Hatch Death		IOKONGA
805	M	2 Jun 2009	85	226	OKA CRANE ASTRAKHAN	2 Jun 2009 15 Sep 2009	1-298 NONE	Hatch Release		KUNDYSH
806	F	4 Jun 2009	215	218	OKA CRANE ASTRAKHAN	4 Jun 2009 15 Sep 2009	1-299 NONE	Hatch Release		INDIGIRKA
807	M	4 Jun 2009	33	226	OKA CRANE	4 Jun 2009	1-300	Hatch		KHROMA
808	M	6 Jun 2009	85	154	OKA CRANE	6 Jun 2009 11 Jun 2009	1-301	Hatch Death		VISHERA
809	F	7 Jun 2009	505	89	OKA CRANE ASTRAKHAN	7 Jun 2009 15 Sep 2009	1-302 NONE	Hatch Release		AKHTUBA
810	F	7 Jun 2009	215	218	OKA CRANE	7 Jun 2009 9 Jun 2009	1-303	Hatch Death		IZH
811	F	8 Jun 2009	85	154	OKA CRANE	8 Jun 2009	1-304	Hatch		SOSVA
812	F	10 Jun 2009	33	154	OKA CRANE	10 Jun 2009	1-305	Hatch		NADYM
813	F	13 Jun 2009	73	75	OKA CRANE	13 Jun 2009 13 Jun 2009	1-306	Hatch Death		KAPSHA
814	?	17 May 2009	440	298	TOKYOTAMA	17 May 2009	5968	Hatch		
815	M	22 May 2009	258	251	TALLIN	22 May 2009	_____	Hatch		SHON
816	M	25 May 2009	258	251	TALLIN	25 May 2009	_____	Hatch		SHINE
817	M	17 May 2009	286	423	CRACID BC	17 May 2009	GL0901	Hatch		
818	F	19 May 2009	149	540	CRACID BC	19 May 2009	GL0902	Hatch		
819	F	29 May 2009	308	307	CRACID BC	29 May 2009	GL0903	Hatch		
820	M	30 May 2009	402	142	CRACID BC	30 May 2009	GL0904	Hatch		
821	F	30 May 2009	416	30	CRACID BC	30 May 2009	GL0905	Hatch		
822	F	1 Jun 2009	291	530	CRACID BC	1 Jun 2009	GL0906	Hatch		
823	M	3 Jun 2009	402	142	CRACID BC	3 Jun 2009	GL0907	Hatch		
824	F	7 Jun 2009	308	635	CRACID BC	7 Jun 2009	GL0908	Hatch		
825	M	9 Jun 2009	149	540	CRACID BC	9 Jun 2009	GL0909	Hatch		
826	F	9 Jun 2009	308	307	CRACID BC	9 Jun 2009	GL0910	Hatch		
827	F	12 Jun 2009	259	292	CRACID BC	12 Jun 2009	GL0911	Hatch		
828	F	2 Jul 2009	308	307	CRACID BC	2 Jul 2009	GL0912	Hatch		
WILD6	M	~ 1970	WILD	WILD	WILD	~ 1970	_____	lrf Hatch		
WILD7	F	~ 1970	WILD	WILD	WILD	~ 1970	_____	lrf Hatch		
WILD8	M	~ 1970	WILD	WILD	WILD	~ 1970	_____	lrf Hatch		
WILD9	F	~ 1970	WILD	WILD	WILD	~ 1970	_____	lrf Hatch		
WILD10	M	~ 1970	WILD	WILD	WILD	~ 1970	_____	lrf Hatch		
WILD11	F	~ 1970	WILD	WILD	WILD	~ 1970 ????	_____	Hatch Death		
WLD216	M	~ 1980	WILD	WILD	KUNOVAT	~ 1980	_____	lrf Hatch		
WLD217	F	~ 1980	WILD	WILD	KUNOVAT	~ 1980	_____	lrf Hatch		
WLDC01	F	~ May 1973	WILD	WILD	SIPING BEIJING	~ Aug 1973 16 Mar 1974 26 Sep 1992	NONE 74002	Capture Transfer Death	74002	

SIBERIAN CRANE (*Grus leucogeranus*) International & EEP Studbook - Historical Listing

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
WLDCO2	M	~ May 1973	WILD	WILD	SIPING	~ Aug 1973	NONE	Capture	74001	
					BEIJING	16 Mar 1974	74001	Transfer		
					CUIHU	15 Nov 2005	NONE	Transfer		
						~ May 2006		Death		
WLDCO3	M	~ 1983	WILD	WILD	ANHWEI	~ Oct 1985	NONE	Capture	85001	
					BEIJING	26 Dec 1985	85001	Transfer		
WLDCO4	F	~ 1983	WILD	WILD	LIAONING	~ Oct 1985	NONE	Capture	85002	
					BEIJING	16 Dec 1985	85002	Transfer		

TOTALS: 321.312.161 (794)

**SIBERIAN CRANE (*Grus leucogeranus*) International & EEP Studbook - Current Listing
Ordered by last location (alphabetical)**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
=====										
ALBUSTAN - Al Bustan Zoological Center, Sharjah, Ash Sharigah, United Arab Emirates										
628	M	18 May 2005	UNK	UNK	CRACID BC ALBUSTAN	18 May 2005 14 Feb 2009	GL0507 BGL001	Hatch Transfer	05-0128	
632	F	29 May 2005	UNK	UNK	CRACID BC ALBUSTAN	29 May 2005 14 Feb 2009	GL0511 BGL002	Hatch Transfer	05-068	
703	F	24 May 2007	450	116	CRACID BC ALBUSTAN	24 May 2007 14 Feb 2009	GL0703 BGL003	Hatch Transfer	20-07-0074	MISKY
708	M	13 Jun 2007	234	214	CRACID BC ALBUSTAN	13 Jun 2007 14 Feb 2009	GL0708 BGL004	Hatch Transfer	070076 Gre	JUPITER
709	F	22 Jun 2007	UNK	30	CRACID BC ALBUSTAN	22 Jun 2007 14 Feb 2009	GL0709 BGL005	Hatch Transfer	20-07-0081	MOISES
710	M	28 Jun 2007	27	74	CRACID BC ALBUSTAN	28 Jun 2007 14 Feb 2009	GL0710 BGL006	Hatch Transfer	20-07-0072	URANO
Totals: 3.3.0 (6)										

ANAPA - DoDo Zoo Anapa, 353411 Anapa, Russia										
574	M	25 May 2004	269	247	MOSCOW ANAPA	25 May 2004 4 Oct 2007	40631 NONE	Hatch Transfer		ADAM
575	F	26 May 2004	269	247	MOSCOW ANAPA	26 May 2004 4 Oct 2007	40636 NONE	Hatch Transfer		
717	M	19 May 2007	215	218	OKA CRANE ANAPA	19 May 2007 19 May 2008	1-283 NONE	Hatch Transfer		VIVI
718	F	27 May 2007	33	68	OKA CRANE ANAPA	27 May 2007 19 May 2008	1-284 NONE	Hatch Transfer		ANADYR
Totals: 2.2.0 (4)										

BAOTING - Baoding Zoological Garden, Baoding, Hopeh, China										
578	?	24 May 2002	351	WLDC04	BEIJING BAOTING	24 May 2002 16 Nov 2002	_____	Hatch Transfer	2002203	
579	F	19 May 2002	351	356	BEIJING BAOTING	19 May 2002 16 Nov 2002	_____	Hatch Transfer	2002501	
580	?	22 May 2002	351	356	BEIJING BAOTING	22 May 2002 16 Nov 2002	_____	Hatch Transfer	2002502	
583	?	26 Jun 2002	351	356	BEIJING BAOTING	26 Jun 2002 16 Nov 2002	_____	Hatch Transfer	2002505	
Totals: 0.1.3 (4)										

BARABOO - International Crane Foundation, Baraboo, Wisconsin, USA										
18	M	12 Aug 1978	WILD	WILD	BARABOO	12 Aug 1978	060008	Hatch	ICF #06-08	BAZOV
40	M	4 Jun 1981	5	4	BARABOO	4 Jun 1981	060011	Hatch	ICF #06-11	DUSHENKA
58	M	19 May 1984	18	4	BARABOO	19 May 1984	060016	Hatch	ICF #06-16	A.WRIGHT
64	F	17 May 1986	18	4	BARABOO	17 May 1986	060022	Hatch	ICF #06-22	RANJIT
78	M	29 May 1987	40	13	BARABOO	29 May 1987	060025	Hatch	ICF #06-25	HIMA
79	M	4 Jun 1987	40	12	BARABOO	4 Jun 1987	060026	Hatch	ICF #06-26	MODA
86	F	19 May 1989	18	12	BARABOO	19 May 1989	060030	Hatch	ICF #06-03	OKA
107	M	3 May 1992	18	45	BARABOO DETROIT BARABOO	3 May 1992 30 Aug 1994 20 Oct 2004	060033 4369 060033	Hatch Transfer Transfer	ICF #06-03	ELPIS
120	M	26 May 1992	78	64	BARABOO DETROIT BARABOO	26 May 1992 31 Jan 1995 20 Oct 2004	060040 4586 060040	Hatch Transfer Transfer	ICF #06-04	PARANDA
126	F	8 Jun 1992	27	30	WALSRODE BARABOO	8 Jun 1992 29 Dec 1993	BNU016 060051	Hatch Transfer	ICF #06-51	LANCE

SIBERIAN CRANE (*Grus leucogeranus*) International & EEP Studbook - Current Listing
Ordered by last location (alphabetical)

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
131	F	29 Apr 1993	79	45	BARABOO	29 Apr 1993	060043	Hatch	ICF #06-04	MEENAKSHI
					DETROIT	31 Jan 1995	4587	Transfer		
					BARABOO	20 Oct 2004	060043	Transfer		
137	M	9 May 1993	78	64	BARABOO	9 May 1993	060047	Hatch	ICF #06-47	SEUSS
151	F	9 May 1994	17	60	BARABOO	9 May 1994	060053	Hatch	ICF #06-53	KAVIR
284	F	21 May 1998	17	60	BARABOO	21 May 1998	060064	Hatch	ICF #06-64	PIEPER
293	M	23 May 1999	79	126	BARABOO	23 May 1999	060066	Hatch	ICF #06-66	O'KEEFE
400	F	5 May 2001	79	126	BARABOO	5 May 2001	060069	Hatch		HAGRID

Totals: 9.7.0 (16)

 BEIJING - Beijing Zoological Gardens, Beijing, China

340	M	~ 1985	WILD	WILD	YIZHENG NANJING BEIJING	~ 1985 ~ 1985 15 Jan 2000	NONE NONE 85005	Capture Transfer Transfer	85005	
341	M	~ Jun 1986	WILD	WILD	YIYANG CHANGSHA BEIJING	~ Oct 1989 17 Nov 1989 4 Apr 2002	NONE NONE	Capture Transfer Transfer	89001	
347	M	18 Jun 1989	WLDCO3	WLDCO1	BEIJING	18 Jun 1989	89101	Hatch	89101	
348	F	19 Jun 1989	WLDCO3	WLDCO1	BEIJING	19 Jun 1989	89102	Hatch	89102	
349	F	18 Jun 1990	WLDCO3	WLDCO1	BEIJING	18 Jun 1990	90102	Hatch	90102	
351	M	~ 1991	WILD	WILD	LANGFANG SHIH CHIA BEIJING	~ 1991 ~ 1992 23 Mar 1993	NONE NONE 93001	Capture Transfer Transfer	93001	
353	F	13 Jun 1991	WLDCO3	WLDCO1	BEIJING	13 Jun 1991	91101	Hatch	91101	
354	F	26 Jun 1991	WLDCO3	WLDCO1	BEIJING	26 Jun 1991	91102	Hatch	91102	
355	F	~ 1992	WILD	WILD	ZHEJIANG HANGCHOW BEIJING	~ Nov 1992 ~ 1993 1 Jul 1993	NONE NONE 93002	Capture Transfer Transfer	93002	
356	F	25 Jun 1992	WLDCO3	WLDCO1	BEIJING	25 Jun 1992	92101	Hatch	92101	
371	M	~ 1996	WILD	WILD	WUYANG LUOHE BEIJING	~ Mar 1999 1 Apr 1999 3 Sep 1999	NONE NONE 99004	Capture Transfer Transfer	99004	
376	F	9 Jul 1998	UNK	WLDCO4	BEIJING	9 Jul 1998	98201	Hatch	98201	
379	M	1 Jun 2000	351	356	BEIJING	1 Jun 2000	20501	Hatch	20501	
381	F	9 Jun 2000	351	356	BEIJING	9 Jun 2000	20502	Hatch	20502	
383	F	10 Jun 2000	351	354	BEIJING	10 Jun 2000	20401	Hatch	20401	
429	?	8 Jun 2001	351	353	BEIJING	8 Jun 2001	21301	Hatch	21301	
499	M	~ 1998	WILD	WILD	ANHWEI QINGYING BEIJING	~ Apr 2002 ~ May 2002 ~16 Jan 2003	NONE NONE NONE	Capture Transfer Transfer	2003001	
602	?	????	WILD	WILD	TSINAN BEIJING	???? 17 Jun 2004	NONE	Transfer Transfer	2004002	
639	?	31 May 2005	347	WLDCO4	BEIJING	31 May 2005	NONE	Hatch	05201	
658	?	15 May 2006	351	353	BEIJING	15 May 2006	06301	Hatch	010A009	
691	?	25 May 2007	351	353	BEIJING	25 May 2007		Hatch		
781	?	15 Jun 2008	351	356	BEIJING	15 Jun 2008	NONE	Hatch		
WLDCO3	M	~ 1983	WILD	WILD	ANHWEI BEIJING	~ Oct 1985 26 Dec 1985	NONE 85001	Capture Transfer	85001	

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Ordered by last location (alphabetical)**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
WLDCO4	F	~ 1983	WILD	WILD	LIAONING BEIJING	~ Oct 1985 16 Dec 1985	NONE 85002	Capture Transfer	85002	
Totals: 8.10.6 (24)										

BERLIN TP - Tierpark Berlin-Friedrichsfelde GmbH, D-10307 Berlin, Germany										
87	M	24 May 1989	18	12	BARABOO WALSRODE BERLIN TP	24 May 1989 2 Feb 1993 15 Nov 1994	060031 BNU020 B00167	Hatch Transfer Transfer	ICF #06-03	OB
94	F	12 May 1991	57	30	WALSRODE BERLIN TP	12 May 1991 15 Nov 1994	BNU006 B00168	Hatch Transfer	B8261	AMADEUS
110	F	10 May 1992	57	30	WALSRODE BERLIN TP	10 May 1992 4 Nov 1992	BNU010 B00169	Hatch Transfer		EINSTEIN
119	M	25 May 1992	27	25	WALSRODE BERLIN TP	25 May 1992 4 Nov 1992	BNU014 B00170	Hatch Transfer		ISABELLE
Totals: 2.2.0 (4)										

CAMBRON - Parc Paradisio S A De, Cambron-Casteau, Belgium										
28	F	1 Jul 1980	WILD10	WILD11	OKA CRANE CAMBRON	1 Jul 1980 9 Mar 1995	OKA-7 629	Hatch Transfer	A113902	FLINT
47	F	12 Jun 1992	37	42	OKA CRANE CAMBRON	12 Jun 1992 9 Mar 1995	OKA-58 630	Hatch Transfer	A113504	BLANKA
148	M	10 Jun 1993	35	42	OKA CRANE CAMBRON	10 Jun 1993 9 Mar 1995	OKA-68 631	Hatch Transfer	A113903	VIT
404	F	10 Jun 2001	148	121	CAMBRON	10 Jun 2001	5486	Hatch		JEANINE
451	F	27 May 2002	148	121	CAMBRON	27 May 2002	6208	Hatch	AC VERT	WODKA
713	?	1 May 2007	111	47	CAMBRON	1 May 2007	7857	Hatch	AO 7595	22
714	?	1 May 2007	111	47	CAMBRON	1 May 2007	7858	Hatch	AO 7595	23
Totals: 1.4.2 (7)										

CHANGCHUN - Changchun Zoological and Botanical Gdn, Changchun, Kirin, China										
585	?	~ 2002	WILD	WILD	XIANGTAN CHANGCHUN HARBIN CHANGCHUN	~ Jul 2002 ~ Aug 2002 ~ Jun 2003 ~ May 2005	NONE NONE NONE NONE	Capture Transfer Transfer Transfer		
686	?	~ 2004	WILD	WILD	BAICHENG CHANGCHUN	~ Jun 2006 2 Jun 2006	NONE NONE	Capture Transfer		
687	?	~ 2004	WILD	WILD	BAICHENG CHANGCHUN	~ Jun 2006 ~ Jun 2006	NONE NONE	Capture Transfer		
Totals: 0.0.3 (3)										

CHOMUTOV - Podkrusnohorsky Zoopark Chomutov, Chomutov, Czech Republic										
715	M	1 May 2007	85	97	OKA CRANE CHOMUTOV	1 May 2007 24 Jul 2009	I-281 _____	Hatch Transfer		INGUL
719	F	29 May 2007	421	75	OKA CRANE CHOMUTOV	29 May 2007 24 Jul 2009	1-285 _____	Hatch Transfer		SIY
Totals: 1.1.0 (2)										

CINCINNAT - Cincinnati Zoo & Botanical Garden, Cincinnati, Ohio, USA										
135	F	7 May 1993	79	45	BARABOO CINCINNAT	7 May 1993 2 Feb 1995	060045 295010	Hatch Transfer	ICF #06-45	BRAR
740	M	12 May 2008	109	144	FRANKLINP CINCINNAT	12 May 2008 23 Sep 2009	F08409 209075	Hatch Transfer		NACHALO
Totals: 1.1.0 (2)										

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Ordered by last location (alphabetical)**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
=====										
CRACID BC - Cracid Breeding & Conservation Ctr, 3620 Neerharen, Belgium										
27	M	27 Jun 1980	WILD	WILD	OKA CRANE	27 Jun 1980	OKA-17	Hatch	OKA-17	NATASHA
					WALSRODE	14 Jan 1991	BNU005	Transfer		
					CRACID BC	15 Nov 2000	GLT016	Transfer		
30	F	4 Jul 1980	WILD8	WILD9	WALSRODE	4 Jul 1980	BNU001	Hatch		EVA
					CRACID BC	1 Nov 2002	GLT029	Transfer		
57	M	16 May 1984		5	4	BARABOO	16 May 1984	060015	Hatch	ICF #06-15 BENJIE
						WALSRODE	16 Mar 1988	BNU003	Transfer	
						CRACID BC	1 Nov 2002	GLT030	Transfer	
61	M	20 Jun 1984		18	4	BARABOO	20 Jun 1984	060019	Hatch	D8302 FERGUSON
						WALSRODE	16 Mar 1988	BNU004	Transfer	
						CRACID BC	1 Mar 1999	GLT010	Transfer	
74	F	6 Jul 1986	WILD	WILD	OKA CRANE	6 Jul 1986	OKA-38	Hatch		USUN
					CRACID BC	20 Jan 1995	GLT002	Transfer		
92	M	19 Jun 1990		33	42	OKA CRANE	19 Jun 1990	OKA-47	Hatch	AK
						CRACID BC	20 Jan 1995	GLT003	Transfer	
116	F	24 May 1992		17	19	BARABOO	24 May 1992	060038	Hatch	ICF #06-03 AASHA
						CRACID BC	18 May 1995	GLT006	Transfer	
142	F	21 May 1993		73	75	OKA CRANE	21 May 1993	OKA-65	Hatch	BILYI
						CRACID BC	20 Jan 1995	GLT004	Transfer	
149	M	27 Jun 1993		33	42	OKA CRANE	27 Jun 1993	OKA-69	Hatch	SIROY
						CRACID BC	20 Jan 1995	GLT005	Transfer	
163	M	17 May 1994		73	75	OKA CRANE	17 May 1994	OKA-80	Hatch	INDIA
						CRACID BC	1 May 1998	GLT007	Transfer	
167	F	14 May 1994		27	30	WALSRODE	14 May 1994	BNU023	Hatch	PUMUCKL
						CRACID BC	15 Nov 2000	GLT017	Transfer	
197	F	4 Jul 1995		92	74	CRACID BC	4 Jul 1995	GL9501	Hatch	SJEUF
214	F	2 Jul 1996		82	89	OKA CRANE	2 Jul 1996	OKA117	Hatch	LILY
						CRACID BC	1 May 1998	GLT008	Transfer	
221	F	25 Apr 1996		17	86	BARABOO	25 Apr 1996	060059	Hatch	BAYUN
						CRACID BC	27 Oct 1999	GLT011	Transfer	
234	M	1 Jul 1997		33	68	OKA CRANE	1 Jul 1997	OKA131	Hatch	KHAKU
						CRACID BC	1 May 1998	GLT009	Transfer	
236	M	11 May 1997		40	86	BARABOO	11 May 1997	060061	Hatch	ICF #06-61 TYPHOON
						CRACID BC	28 Mar 2001	GLT018	Transfer	
259	M	5 Jun 1998		40	86	WALSRODE	5 Jun 1998	NONE	Hatch	16016A GANS
						TYUMENSKA	21 Aug 1998	GANS	Transfer	
						OKA CRANE	1 Oct 1998	OKA152	Transfer	
						CRACID BC	22 May 2000	GLT013	Transfer	
276	F	9 Jun 1999		15	42	OKA CRANE	9 Jun 1999	OKA163	Hatch	CBCC 156 MAION
						CRACID BC	22 May 2000	GLT014	Transfer	
277	F	24 May 1999		78	64	OKA CRANE	24 May 1999	OKA162	Hatch	FIN
						CRACID BC	22 May 2000	GLT015	Transfer	
285	M	21 Jun 1998		52	47	CAMBRON	21 Jun 1998	3910	Hatch	HARRY PP
						CRACID BC	9 Mar 2003	NONE	Transfer	
286	M	27 May 1998		52	74	CRACID BC	27 May 1998	GL9801	Hatch	KOBUS
287	F	29 May 1998		52	142	CRACID BC	29 May 1998	GL9802	Hatch	SJANET
290	M	1 May 1999		149	142	CRACID BC	1 May 1999	GL9901	Hatch	KONRAAD
291	M	1 May 1999		149	142	CRACID BC	1 May 1999	GL9902	Hatch	KEVIN
292	F	13 May 1999		79	126	BARABOO	13 May 1999	060065	Hatch	ICF #06-65 MATISSE
						CRACID BC	28 Mar 2001	GLT019	Transfer	

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Ordered by last location (alphabetical)

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
307	F	2 Mar 2000	82	128	OKA CRANE CRACID BC	2 Mar 2000 12 Apr 2002	OKA169 GLT020	Hatch Transfer	16058A	PODSNEZHNI
308	M	11 Apr 2000	73	75	OKA CRANE CRACID BC	11 Apr 2000 12 Apr 2002	OKA170 GLT021	Hatch Transfer	16057A	KYTALYK
319	M	13 Jul 2000	15	219	OKA CRANE CRACID BC	13 Jul 2000 12 Apr 2002	OKA181 GLT022	Hatch Transfer	16059A	KURKI
324	F	29 Apr 2000	61	142	CRACID BC	29 Apr 2000	GL0001	Hatch		SJER
325	F	11 Apr 2000	149	142	CRACID BC	11 Apr 2000	GL0002	Hatch		SJAHEERA
326	F	8 May 2000	149	74	CRACID BC	8 May 2000	GL0003	Hatch		SJANTAL
327	F	8 May 2000	61	142	CRACID BC	8 May 2000	GL0004	Hatch		SJOUNA
328	F	20 May 2000	149	74	CRACID BC	20 May 2000	GL0005	Hatch		SJEILAH
329	F	25 May 2000	149	74	CRACID BC	25 May 2000	GL0006	Hatch		SJARLOT
330	M	7 Jun 2000	149	142	CRACID BC	7 Jun 2000	GL0007	Hatch		KARSTEN
402	M	22 May 2001	87	94	BERLIN TP MARLOW BP CRACID BC	22 May 2001 8 Oct 2003 27 Oct 2004	B00171 850 GLT035	Hatch Transfer Transfer	TP BERLIN	HARRY AB
413	F	18 May 2001	82	128	OKA CRANE ARMIZON OKA CRANE CRACID BC	18 May 2001 6 Aug 2001 25 Sep 2001 22 May 2002	OKA189 NONE OKA189 GLT023	Hatch Transfer Transfer Transfer	16072A	SAPPHIR
416	M	23 May 2001	73	75	OKA CRANE CRACID BC	23 May 2001 22 May 2002	OKA192 GLT024	Hatch Transfer	16076A	AGAT
417	F	24 May 2001	82	89	OKA CRANE CRACID BC	24 May 2001 22 May 2002	OKA193 GLT025	Hatch Transfer	16077A	AQUAMARIN
423	F	4 Jun 2001	82	128	OKA CRANE CRACID BC	4 Jun 2001 22 May 2002	OKA199 GLT026	Hatch Transfer	16079A	KHRUSTAL
425	M	9 Jun 2001	82	89	OKA CRANE CRACID BC	9 Jun 2001 22 May 2002	OKA201 GLT027	Hatch Transfer	16080A	RODONIT
426	M	21 Jun 2001	215	218	OKA CRANE CRACID BC	21 Jun 2001 22 May 2002	OKA202 GLT028	Hatch Transfer	16081A	ALEXANDRIT
443	F	8 May 2001	149	142	CRACID BC	8 May 2001	GL0101	Hatch		SJATJE
444	F	14 May 2001	27	74	CRACID BC	14 May 2001	GL0102	Hatch		SJEELE
446	M	3 Jun 2001	27	74	CRACID BC	3 Jun 2001	GL0104	Hatch		KOKI
450	M	9 May 2002	111	47	CAMBRON CRACID BC	9 May 2002 10 Mar 2003	6163 GLT032	Hatch Transfer	FY BLEU	WANJA
453	M	9 Jun 2002	111	47	CAMBRON CRACID BC	9 Jun 2002 9 Mar 2003	6211 GLT034	Hatch Transfer		NERO
484	M	6 May 2002	149	142	CRACID BC	6 May 2002	GL0201	Hatch		KOEN (Sjoen)
486	M	20 May 2002	259	287	CRACID BC	20 May 2002	GL0203	Hatch		KUIFJE
487	F	30 May 2002	259	287	CRACID BC	30 May 2002	GL0204	Hatch		SJERP
488	M	2 Jun 2002	149	74	CRACID BC	2 Jun 2002	GL0205	Hatch		KUMMEL
489	M	4 Jun 2002	163	74	CRACID BC	4 Jun 2002	GL0206	Hatch		KARLOS
490	M	8 Jun 2002	27	116	CRACID BC	8 Jun 2002	GL0207	Hatch		KOBLENZ
491	M	11 Jun 2002	149	142	CRACID BC	11 Jun 2002	GL0208	Hatch		KENIA
525	M	25 Apr 2003	259	287	CRACID BC	25 Apr 2003	GL0301	Hatch		
526	F	4 May 2003	149	142	CRACID BC	4 May 2003	GL0302	Hatch	99/66	
527	M	7 May 2003	149	142	CRACID BC	7 May 2003	GL0303	Hatch	79	

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
528	F	8 May 2003	27	74	CRACID BC	8 May 2003	GL0304	Hatch	60	
529	F	8 May 2003	27	214	CRACID BC	8 May 2003	GL0305	Hatch	61	HEIDI
530	F	14 May 2003	27	214	CRACID BC	14 May 2003	GL0306	Hatch	85	MIMI
531	F	17 May 2003	149	74	CRACID BC	17 May 2003	GL0307	Hatch	91	
532	F	18 May 2003	149	30	CRACID BC	18 May 2003	GL0308	Hatch	98	
533	M	20 May 2003	27	214	CRACID BC	20 May 2003	GL0309	Hatch	88	ADOLPH
534	F	20 May 2003	149	142	CRACID BC	20 May 2003	GL0310	Hatch	86	
535	M	23 May 2003	259	287	CRACID BC	23 May 2003	GL0311	Hatch	92	
536	M	27 May 2003	149	142	CRACID BC	27 May 2003	GL0312	Hatch	89	
537	M	28 May 2003	259	287	CRACID BC	28 May 2003	GL0313	Hatch	96	
538	M	2 Jun 2003	57	30	CRACID BC	2 Jun 2003	GL0314	Hatch	84	
540	F	12 Jun 2003	27	74	CRACID BC	12 Jun 2003	GL0316	Hatch	94	
541	F	22 Jun 2003	57	30	CRACID BC	22 Jun 2003	GL0317	Hatch		
591	M	13 May 2004	27	142	CRACID BC	13 May 2004	GL0402	Hatch	04-0038	
592	M	16 May 2004	163	167	CRACID BC	16 May 2004	GL0403	Hatch	04-0004	
593	F	24 May 2004	52	214	CRACID BC	24 May 2004	GL0404	Hatch	04-0040	
595	F	8 Jun 2004	149	30	CRACID BC	8 Jun 2004	GL0406	Hatch	04-0012	
597	F	12 Jun 2004	425	167	CRACID BC	12 Jun 2004	GL0408	Hatch	04-0021	
598	M	16 Jun 2004	416	142	CRACID BC	16 Jun 2004	GL0409	Hatch	04-0003	
599	M	2 Jul 2004	149	142	CRACID BC	2 Jul 2004	GL0410	Hatch	GREEN 99	
616	M	4 Jun 2005	149	110	BERLIN TP CRACID BC	4 Jun 2005 23 Feb 2006	B00406 GLT036	Hatch Transfer		
624	M	14 May 2005	UNK	UNK	CRACID BC	14 May 2005	GL0503	Hatch	05-127	
625	F	14 May 2005	UNK	UNK	CRACID BC	14 May 2005	GL0504	Hatch		
626	F	16 May 2005	UNK	UNK	CRACID BC	16 May 2005	GL0505	Hatch	05-0071	
629	F	19 May 2005	149	UNK	CRACID BC	19 May 2005	GL0508	Hatch		
630	F	22 May 2005	UNK	UNK	CRACID BC	22 May 2005	GL0509	Hatch		
633	M	1 Jun 2005	UNK	UNK	CRACID BC	1 Jun 2005	GL0512	Hatch	05-0133	
635	F	9 Jun 2005	149	UNK	CRACID BC	9 Jun 2005	GL0514	Hatch		
661	M	11 May 2006	234	214	CRACID BC	11 May 2006	GL0601	Hatch	10-752	BANGO
662	M	11 May 2006	425	74	CRACID BC	11 May 2006	GL0602	Hatch	10-753	PISCO
663	M	15 May 2006	319	142	CRACID BC	15 May 2006	GL0603	Hatch	10-754	ZORRO
664	F	22 May 2006	425	142	CRACID BC	22 May 2006	GL0604	Hatch	10-755	FABO
665	F	25 May 2006	425	142	CRACID BC	25 May 2006	GL0605	Hatch	10-756	PLAU
666	M	26 May 2006	402	214	CRACID BC	26 May 2006	GL0606	Hatch	10-758	BACARDI
667	F	30 May 2006	285	142	CRACID BC	30 May 2006	GL0607	Hatch	22-06-036	BERT
668	F	2 Jun 2006	402	214	CRACID BC	2 Jun 2006	GL0608	Hatch		MALTE
669	M	5 Jun 2006	27	142	CRACID BC	5 Jun 2006	GL0609	Hatch		MOMO
670	M	7 Jun 2006	259	287	CRACID BC	7 Jun 2006	GL0610	Hatch	22-06-037	SUSAN
671	F	20 Jun 2006	285	116	CRACID BC	20 Jun 2006	GL0611	Hatch	22-06-040	SEBAS

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
672	F	3 Jul 2006	27	413	CRACID BC	3 Jul 2006	GL0612	Hatch		EDU
701	F	11 May 2007	149	74	CRACID BC	11 May 2007	GL0701	Hatch	20-07-0061	PITJE
705	F	26 May 2007	234	74	CRACID BC	26 May 2007	GL0705	Hatch	20-07-0087	COCO
751	F	5 May 2008	259	307	CRACID BC	5 May 2008	GL0801	Hatch	22-08-0026	JURU
752	M	5 May 2008	402	214	CRACID BC	5 May 2008	GL0802	Hatch	22-08-0027	TINCOS
753	M	8 May 2008	402	142	CRACID BC	8 May 2008	GL0803	Hatch	20-08-0118	GUAZA
754	F	11 May 2008	533	287	CRACID BC	11 May 2008	GL0804	Hatch	20-08-0119	KATISHA
755	F	19 May 2008	259	531	CRACID BC	19 May 2008	GL0805	Hatch	20-08-0120	TUMBES
756	F	21 May 2008	624	307	CRACID BC	21 May 2008	GL0806	Hatch	20-08-0121	PIURA
757	F	21 May 2008	450	116	CRACID BC	21 May 2008	GL0807	Hatch	20-08-0122	LAMBAYEQUE
758	F	21 May 2008	533	287	CRACID BC	21 May 2008	GL0808	Hatch	20-08-0123	MORON
759	F	23 May 2008	416	30	CRACID BC	23 May 2008	GL0809	Hatch	20-08-0125	ANCASH
760	M	24 May 2008	402	142	CRACID BC	24 May 2008	GL0810	Hatch	20-08-0124	HUANUCO
761	M	26 May 2008	234	214	CRACID BC	26 May 2008	GL0811	Hatch	20-08-0126	ICA
762	M	28 May 2008	308	307	CRACID BC	28 May 2008	GL0812	Hatch	20-08-0129	AREQUIPA
763	F	29 May 2008	426	142	CRACID BC	29 May 2008	GL0813	Hatch	20-08-0127	MOQUEGUA
764	M	29 May 2008	426	287	CRACID BC	29 May 2008	GL0814	Hatch	20-08-0128	TACNA
765	M	31 May 2008	149	529	CRACID BC	31 May 2008	GL0815	Hatch	20-08-0130	CAJAMARCA
766	F	3 Jun 2008	450	116	CRACID BC	3 Jun 2008	GL0816	Hatch	20-08-0131	AMAZONAS
767	M	4 Jun 2008	402	307	CRACID BC	4 Jun 2008	GL0817	Hatch	20-08-0132	WILLI
768	?	4 Jun 2008	416	142	CRACID BC	4 Jun 2008	GL0818	Hatch		
769	M	5 Jun 2008	308	292	CRACID BC	5 Jun 2008	GL0819	Hatch	20-08-0133	OLMOS
770	F	8 Jun 2008	291	530	CRACID BC	8 Jun 2008	GL0820	Hatch	20-08-0134	PUCALLPA
771	M	11 Jun 2008	402	307	CRACID BC	11 Jun 2008	GL0821	Hatch	20-08-0135	CUZCO
772	M	13 Jun 2008	308	292	CRACID BC	13 Jun 2008	GL0822	Hatch	20-08-0137	ABANCAY
773	F	14 Jun 2008	450	116	CRACID BC	14 Jun 2008	GL0823	Hatch	20-08-0138	AYACUCHO
774	F	17 Jun 2008	450	221	CRACID BC	17 Jun 2008	GL0824	Hatch	20-08-0140	HUANCAVELI
775	M	17 Jun 2008	533	530	CRACID BC	17 Jun 2008	GL0825	Hatch	20-08-0141	PASCO
776	F	17 Jun 2008	533	287	CRACID BC	17 Jun 2008	GL0826	Hatch	20-08-0142	JUNIN
777	F	22 Jun 2008	285	116	CRACID BC	22 Jun 2008	GL0827	Hatch	20-08-0143	TUMAN
778	M	24 Jun 2008	285	292	CRACID BC	24 Jun 2008	GL0828	Hatch	20-08-0145	PISCO
779	M	24 Jun 2008	259	287	CRACID BC	24 Jun 2008	GL0829	Hatch	20-08-0144	CHACLACAYO
780	M	30 Jun 2008	402	417	CRACID BC	30 Jun 2008	GL0830	Hatch	20-08-0147	GABRIEL
817	M	17 May 2009	286	423	CRACID BC	17 May 2009	GL0901	Hatch		
818	F	19 May 2009	149	540	CRACID BC	19 May 2009	GL0902	Hatch		
819	F	29 May 2009	308	307	CRACID BC	29 May 2009	GL0903	Hatch		
820	M	30 May 2009	402	142	CRACID BC	30 May 2009	GL0904	Hatch		
821	F	30 May 2009	416	30	CRACID BC	30 May 2009	GL0905	Hatch		
822	F	1 Jun 2009	291	530	CRACID BC	1 Jun 2009	GL0906	Hatch		

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
823	M	3 Jun 2009	402	142	CRACID BC	3 Jun 2009	GL0907	Hatch		
824	F	7 Jun 2009	308	635	CRACID BC	7 Jun 2009	GL0908	Hatch		
825	M	9 Jun 2009	149	540	CRACID BC	9 Jun 2009	GL0909	Hatch		
826	F	9 Jun 2009	308	307	CRACID BC	9 Jun 2009	GL0910	Hatch		
827	F	12 Jun 2009	259	292	CRACID BC	12 Jun 2009	GL0911	Hatch		
828	F	2 Jul 2009	308	307	CRACID BC	2 Jul 2009	GL0912	Hatch		
Totals: 68.72.1 (141)										

ESTUDILLO - Jesus Estudillo Lopez, Colonia Portales, D F, Mexico										
179	F	29 May 1995	78	64	BARABOO ESTUDILLO	29 May 1995 15 Jan 1996	060056 NONE	Hatch Transfer		BAZOOKA
180	M	5 Jun 1995	18	4	BARABOO ESTUDILLO	5 Jun 1995 15 Jan 1996	060057 NONE	Hatch Transfer		PEZ
201	F	10 Jun 1996	27	30	WALSRODE ESTUDILLO	10 Jun 1996 3 Feb 1997	BNU025 NONE	Hatch Transfer	B8827	RUMPELSTIL
202	M	25 Jun 1996	27	30	WALSRODE ESTUDILLO	25 Jun 1996 3 Feb 1997	BNU026 NONE	Hatch Transfer	B8999	STRUWELPE
Totals: 2.2.0 (4)										

FRANKLINP - Zoo New England Franklin Park Zoo, Boston, Massachusetts, USA										
109	M	7 May 1992	18	45	BARABOO FRANKLINP	7 May 1992 18 Sep 1996	060035 96A549	Hatch Transfer	ICF #06-03	SHAKTI
144	F	27 May 1993	17	19	BARABOO FRANKLINP	27 May 1993 18 Sep 1996	060050 96A550	Hatch Transfer	ICF #06-05	SNEETCH
801	M	4 May 2009	109	144	FRANKLINP	4 May 2009	F09406	Hatch		KHANTY
Totals: 2.1.0 (3)										

GANTANG - Zoo Gantang CHINA										
689	?	????	WILD	WILD	JIUJIANG GANTANG	2 Dec 2003 2 Dec 2003	NONE NONE	Capture Transfer		

GARAN EC - Garan Eco Center, BUKHARA, UZBEKISTAN										
730	M	14 May 2008	215	218	OKA CRANE GARAN EC	14 May 2008 10 Nov 2009	1-286 NONE	Hatch Transfer		STESHA
734	F	19 Apr 2008	33	154	OKA CRANE GARAN EC	19 Apr 2008 10 Nov 2009	1-290 NONE	Hatch Transfer	RED	KATYUSHA
Totals: 1.1.0 (2)										

HARBIN - Harbin Northern Forest Zoo, Harbin, Heilungkiang, Republic of China										
357	M	~ 1992	WILD	WILD	SUIHUA HARBIN	~ 1992 1 Oct 1992	NONE 001	Capture Transfer		001
370	F	~ 1995	WILD	WILD	TONGBEI HARBIN	~ 1995 ~ Oct 1995	NONE 002	Capture Transfer		002
380	F	6 Jun 2000	351	353	BEIJING HARBIN	6 Jun 2000 17 Jul 2008	20301 NONE	Hatch Transfer	20301	
388	F	~ 1998	WILD	WILD	ZHAOYUAN HARBIN	~ May 2001 16 May 2001	NONE 003	Capture Transfer		
390	F	~ 1998	WILD	WILD	JILIN HARBIN	~ Sep 2001 11 Oct 2001	NONE 005	Capture Transfer	005	
391	F	~ 1998	WILD	WILD	SHUANGYAS HARBIN	~ Nov 2001 23 Nov 2001	NONE 006	Capture Transfer	006	
547	M	13 May 2003	347	WLDCO4	BEIJING HARBIN	13 May 2003 17 Jul 2008	NONE NONE	Hatch Transfer	03201	
Totals: 2.5.0 (7)										

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
=====										
HIGASHI M - Saitama Children's Zoo, Higashimatuyama, Saitama, Japan										
448	M	3 Jul 2002	UNK	31	HIRAKAWA	3 Jul 2002	NONE	Hatch		
					HIGASHI M	1 Mar 2005	1265	Transfer		
Totals: 1.0.0 (1)										

HIRAKAWA - Hirakawa Zoological Park, Kagoshima-Shi, Kagoshima, Japan										
31	F	1 Jul 1980	WILD	WILD	WALSRODE	1 Jul 1980	WLS-3	Hatch		LAZARUS
					HIRAKAWA	30 Jun 1987	8180	Transfer		
304	M	20 Jun 2000	62	31	HIRAKAWA	20 Jun 2000	NONE	Hatch		
Totals: 1.1.0 (2)										

HOPEI - Hopei Xiaoyaotsin Park, Hopei, Anhui (anhwei), China										
342	M	~ May 1988	WILD	WILD	SUSONG	~ Sep 1988	NONE	Capture	88002	
					HOPEI	~ Oct 1988	88002	Transfer		
343	F	~ Jun 1988	WILD	WILD	SHOUXIAN	~ Nov 1988	NONE	Capture	89003	
					HOPEI	~ Jan 1989	89003	Transfer		
362	F	~ Jun 1993	WILD	WILD	YUEXI	~ Aug 1998	NONE	Capture		C#
					ANQING	~ Sep 1998		Transfer		
					HOPEI	16 Nov 1999	C#	Transfer		
364	F	~ 1994	WILD	WILD	YUEXI	14 Nov 1999	NONE	Capture	99007	
					HOPEI	14 Nov 1999	99007	Transfer		
368	M	~ May 1995	WILD	WILD	SHUCHENG	~ Nov 1995	NONE	Capture	95005	
					HOPEI	~ Nov 1995	95005	Transfer		
493	?	27 Apr 2002	366	343	HOPEI	27 Apr 2002		Hatch	02012	
494	F	~ 1996	WILD	WILD	MENGCHENG	~ May 2002	NONE	Capture	02011	
					HOPEI	4 Jun 2002		Transfer		
495	F	~ 1997	WILD	WILD	CHAOHU	1 Sep 2002	NONE	Capture	02013	
					HOPEI	23 Oct 2002		Transfer		
496	M	~ 2002	WILD	WILD	ANQINGWAI	~ Oct 2002	NONE	Capture	02014	
					HOPEI	6 Nov 2002		Transfer		
498	M	~ 1995	WILD	WILD	ANQINGWAI	~ Nov 2001	NONE	Capture	02016	
					HOPEI	13 Dec 2002		Transfer		
558	?	1 Jun 2003	WILD	WILD	JINZHAI	1 Nov 2003	03017	Capture		
					HOPEI	3 Nov 2003		Transfer		
559	?	1 Jun 2003	WILD	WILD	JINZHAI	3 Nov 2003	03018	Capture		
					HOPEI	4 Nov 2003		Transfer		
Totals: 4.5.3 (12)										

HUANGSHAN - Zoo Huangshan CHINA										
365	M	~ May 1994	WILD	WILD	YUEXI	~ Jul 1994	NONE	Capture		A#
					ANQING	~ Jul 1994	A#	Transfer		
					HUANGSHAN	~ Aug 1994	A#	Transfer		
Totals: 1.0.0 (1)										

JIANGNAN - Zoo Jiangnan CHINA										
657	?	????	WILD	WILD	TIANBEIXI	~ Oct 2005	NONE	Capture		
					JIANGNAN	~ Oct 2005	NONE	Transfer		
Totals: 0.0.1 (1)										

KALININGR - Kaliningrad Zoo, Kaliningrad, Russia										
544	M	10 Jun 2003	35	99	MOSCOW	10 Jun 2003	30463	Hatch		
					KALININGR	14 Feb 2007		Transfer		
643	F	29 May 2005	37	42	OKA CRANE	29 May 2005	OKA268	Hatch		PURGATCH
					KALININGR	21 Oct 2006	TB4000	Transfer		
Totals: 1.1.0 (2)										

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
KOLN - Cologne Zoo, Koeln, N Rhine-Westph, Germany										
627	M	16 May 2005	UNK	UNK	CRACID BC KOLN	16 May 2005 15 Feb 2006	GL0506 B4735	Hatch Transfer	25	
631	F	23 May 2005	UNK	UNK	CRACID BC KOLN	23 May 2005 15 Feb 2006	GL0510 B4736	Hatch Transfer	13	
Totals: 1.1.0 (2)										

KOOY P - Waterfowl BreedFarm-F A PeterKooy&Sons, 'T Zand, Zeeland, Netherlands										
675	M	7 May 2006	119	110	BERLIN TP KOOY P	7 May 2006 14 Mar 2007	B00443 NONE	Hatch Transfer		
677	M	31 May 2006	119	94	BERLIN TP KOOY P	31 May 2006 14 Mar 2007	B0435 NONE	Hatch Transfer		
Totals: 2.0.0 (2)										

MOSCOW - Moscow Zoological Park, Moscow, Russia										
35	M	3 Jul 1980	WILD	WILD	OKA CRANE MOSCOW	3 Jul 1980 16 Mar 1998	OKA-12 980099	Hatch Transfer		LIBBI
99	F	1 Jun 1991	73	75	OKA CRANE MOSCOW	1 Jun 1991 22 Jan 1993	OKA-49 930004	Hatch Transfer	A-330887	VICE
247	F	2 Jun 1998	85	97	OKA CRANE MOSCOW	2 Jun 1998 21 Sep 1999	OKA140 990704	Hatch Transfer	YELLOW N45	GERMA
269	M	5 May 1999	37	42	OKA CRANE MOSCOW	5 May 1999 21 Sep 1999	OKA155 990705	Hatch Transfer	RED RING 0	ALMAZ
405	M	6 Jul 2001	35	99	MOSCOW	6 Jul 2001	10456	Hatch		ALF
Totals: 3.2.0 (5)										

NANCHANG - Nanchang Zoological Garden, Nanchang, Kiangsi, China										
359	M	~ 1993	WILD	WILD	POYANGHU NANCHANG	~ 1993 ~ 1997	NONE	Capture Transfer		
387	F	~ 1999	WILD	WILD	POYANGHU NANCHANG	~ Dec 2001 ~ Dec 2001	NONE	Capture Transfer		
655	?	~2000 +/-2yr	WILD	WILD	POYANGHU NANCHANG	~ 2005 ~ Dec 2005	NONE NONE	Capture Transfer		
656	?	~2000 +/-2yr	WILD	WILD	POYANGHU NANCHANG	~ 2005 ~ Dec 2005	NONE NONE	Capture Transfer		
Totals: 1.1.2 (4)										

NANJING - Nanjing Hongshan Forest Zoo, Nanjing, Fujian, China										
382	F	9 Jun 2000	347	WLDCO4	BEIJING NANJING	9 Jun 2000 19 Oct 2000	20201 NONE	Hatch Transfer	20201	
385	F	18 Jun 2000	340	356	BEIJING NANJING	18 Jun 2000 19 Oct 2000	20503 NONE	Hatch Transfer	20503	
Totals: 0.2.0 (2)										

NANNING - Nanning Zoological Garden, Nanning, Guangxi, China										
435	?	24 Jun 2001	351	353	BEIJING NANNING	24 Jun 2001 22 Apr 2005	21303 NONE	Hatch Transfer	21303	
548	?	16 May 2003	347	WLDCO4	BEIJING NANNING	16 May 2003 22 Apr 2005	03202 NONE	Hatch Transfer	03202	
Totals: 0.0.2 (2)										

NOVOSIBRK - Novosibirsk Zoological Park, Novosibirsk, Russia										
164	F	21 May 1994	73	75	OKA CRANE NOVOSIBRK	21 May 1994 30 Mar 1995	OKA-81 754002	Hatch Transfer		BKHARAM
645	M	11 Jun 2005	UNK	219	OKA CRANE NOVOSIBRK	11 Jun 2005 25 Oct 2008	OKA270 754004	Hatch Transfer	RED	OMA
Totals: 1.1.0 (2)										

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
=====										
OKA CRANE - Oka Crane Breeding Center, Spassky R-N, Ryazanskaya Obl, Russian Fed										
15	M	~ 1978	WILD	WILD	RUSSIA OKA CRANE	4 Jan 1982 4 Jan 1982	OKA-19 OKA-19	Capture Transfer		UCHUR
33	M	2 Jul 1980	WILD10	WILD11	OKA CRANE	2 Jul 1980	OKA-10	Hatch		SERGEY
37	M	4 Jul 1980	WILD	WILD	OKA CRANE	4 Jul 1980	OKA-14	Hatch		NAZAR
42	F	28 Jun 1981	WILD	WILD	OKA CRANE	28 Jun 1981	OKA-18	Hatch		YULIY
67	M	2 Jul 1986	WILD	WILD	OKA CRANE	2 Jul 1986	OKA-30	Hatch		KIENG
68	F	3 Jul 1986	WILD	WILD	OKA CRANE	3 Jul 1986	OKA-31	Hatch		BANYL
73	M	5 Jul 1986	WILD	WILD	OKA CRANE	5 Jul 1986	OKA-36	Hatch		BAKUL
75	F	6 Jul 1986	WILD	WILD	OKA CRANE	6 Jul 1986	OKA-37	Hatch		BYUGYUCHEN
82	M	~ 1982	WILD	WILD	RUSSIA OKA CRANE	16 Oct 1987 16 Oct 1987	OKA-42 OKA-42	Capture Transfer		KOLYMA
85	M	18 Jun 1988	WILD	WILD	OKA CRANE	18 Jun 1988	OKA-41	Hatch		KUNOVAT
89	F	23 Jun 1989	33	42	OKA CRANE	23 Jun 1989	OKA-44	Hatch		AGIDEL
97	F	30 May 1991	61	25	KUNOVAT OKA CRANE	30 May 1991 5 Sep 1991	NONE OKA-51	Hatch Transfer		WALSRODE
128	F	24 Jun 1992	67	42	OKA CRANE	24 Jun 1992	OKA-59	Hatch		BILIPU
154	F	11 May 1994	40	86	OKA CRANE KUNOVAT TYUMENSKA OKA CRANE KUNOVAT OKA CRANE	11 May 1994 1 Jul 1994 ~15 Aug 1994 27 Sep 1994 8 Jul 1995 20 Oct 1995	OKA-74 OKA-74 OKA-74 OKA-74 158801 OKA-74	Hatch Transfer Transfer Transfer Transfer Transfer		GLASS
215	M	8 Jul 1996	82	39	OKA CRANE	8 Jul 1996	OKA118	Hatch		BARDE
218	F	18 Jun 1996	WLD216	WLD217	OKA CRANE	18 Jun 1996	OKA119	Hatch		BOOR
219	F	21 Jun 1996	WLD216	WLD217	OKA CRANE	21 Jun 1996	OKA120	Hatch		SAMGYM
226	F	22 Jun 1997	82	89	OKA CRANE	22 Jun 1997	OKA123	Hatch		MIRANDE
421	M	29 May 2001	UNK	42	OKA CRANE	29 May 2001	OKA197	Hatch	16078A	GRANAT
502	F	11 May 2003	82	128	OKA CRANE KUNOVAT RUSSIA OKA CRANE	11 May 2003 9 Aug 2003 ~ Oct 2003 ~ 2005	OKA230 NONE NONE OKA230	Hatch Release Capture Transfer		KAMA
505	M	14 May 2003	73	75	OKA CRANE	14 May 2003	OKA233	Hatch		CHARA
509	M	17 May 2003	37	42	OKA CRANE	17 May 2003	OKA237	Hatch		TYUNG
510	F	18 May 2003	73	75	OKA CRANE	18 May 2003	OKA238	Hatch		SOIMA
522	F	6 Jun 2003	215	218	OKA CRANE ARMIZON BASHKIRIA OKA CRANE	6 Jun 2003 18 Aug 2004 17 Nov 2004 22 Dec 2004	OKA250 A25411 A25411 OKA250	Hatch Release Capture Transfer	A 25411	MOSCOW
646	M	11 Jun 2005	82	128	OKA CRANE	11 Jun 2005	OKA271	Hatch		UKHTA
683	M	23 Jun 2006	82	128	OKA CRANE	23 Jun 2006	OKA280	Hatch		PINEGA
807	M	4 Jun 2009	33	226	OKA CRANE	4 Jun 2009	1-300	Hatch		KHROMA
811	F	8 Jun 2009	85	154	OKA CRANE	8 Jun 2009	1-304	Hatch		SOSVA
812	F	10 Jun 2009	33	154	OKA CRANE	10 Jun 2009	1-305	Hatch		NADYM

Totals: 14.15.0 (29)

SIBERIAN CRANE (*Grus leucogeranus*) International & EEP Studbook - Current Listing
Ordered by last location (alphabetical)

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name

OSAKA - Osaka Municipal Tennoji Zool Gdns, Osaka, Japan										
103	M	7 Jun 1991	17	45	BARABOO	7 Jun 1991	060032	Hatch	ICF #06-03	KUNOVAT
					WALSRODE	4 Feb 1993	BNU021	Transfer		
					OSAKA	25 Jul 1995	1195	Transfer		
113	F	18 May 1992	57	30	WALSRODE	18 May 1992	BNU012	Hatch		GINA
					OSAKA	31 Aug 1993	1193	Transfer		
Totals: 1.1.0 (2)										

OSTRAVA - Zoologicka Zahrada Ostrava, 710 00 Ostrava, Czech Republic										
636	M	17 May 2005	35	99	MOSCOW	17 May 2005	50200	Hatch		ARGON
					OSTRAVA	29 Oct 2009		Transfer		
674	F	9 May 2006	35	99	MOSCOW	9 May 2006	60414	Hatch		
					OSTRAVA	29 Oct 2009		Transfer		
Totals: 1.1.0 (2)										

PANJINZOO - Panjing Zoo, Panjin, Liaoning, China										
784	?	1 Jun 1993	WILD	WILD	LIAONING	~ 1994	NONE	Capture		
					PANJINZOO	~ 1994	NONE	Transfer		

QINHUANGD - Qinghuangdao Peoples Park, Qinhuangdao, Hebei, China										
374	?	~ Mar 1997	WILD	WILD	HEBEI	~ Oct 1997	NONE	Capture		
					QINHUANGD	~ Oct 1997		Transfer		

RAMBOUILT - Reserve Zool De Sauvage, Rambouillet, Yvelines, France										
102	M	3 Jun 1991	17	45	KUNOVAT	3 Jun 1991	VODKA	Hatch		VODKA
					OKA CRANE	5 Sep 1991	OKA-53	Transfer		
					KUNOVAT	1 Jul 1992	VODKA	Transfer		
					OKA CRANE	1 Sep 1992	OKA-53	Transfer		
					KUNOVAT	1 Jul 1993	VODKA	Transfer		
					OKA CRANE	1 Sep 1993	OKA-53	Transfer		
					RAMBOUILT	22 Aug 1997	NONE	Transfer		
190	F	8 Jun 1995	82	89	OKA CRANE	8 Jun 1995	OKA103	Hatch		AZAR
					RAMBOUILT	22 Aug 1997	NONE	Transfer		
257	F	3 Jul 1998	82	42	OKA CRANE	3 Jul 1998	OKA150	Hatch		OB 1
					RAMBOUILT	15 Jan 2001	NONE	Transfer		
270	M	24 May 1999	82	89	OKA CRANE	24 May 1999	OKA156	Hatch		ALBIN
					RAMBOUILT	15 Jan 2001	NONE	Transfer		
Totals: 2.2.0 (4)										

RISKEN - Heinrich Risken, Bad Rothenfeld, North Rhine, Germany										
233	F	16 Jun 1997	67	42	OKA CRANE	16 Jun 1997	OKA130	Hatch		FEER
					RISKEN	25 May 2000	NONE	Transfer		
250	F	3 Jun 1998	40	86	OKA CRANE	3 Jun 1998	OKA143	Hatch		ODA
					RISKEN	30 Apr 1999	NONE	Transfer		
253	M	26 Jun 1998	82	42	OKA CRANE	26 Jun 1998	OKA146	Hatch		TYUMEN
					RISKEN	30 Apr 1999	NONE	Transfer		
255	M	29 Jun 1998	33	68	OKA CRANE	29 Jun 1998	OKA148	Hatch		TOR
					RISKEN	30 Apr 1999	NONE	Transfer		
620	M	27 May 2005	255	250	RISKEN	27 May 2005	05-01	Hatch	03020,0DBN	
					BREMEHR L	28 May 2005	05-01	Transfer		
					RISKEN	~ Sep 2005	05-01	Transfer		
Totals: 3.2.0 (5)										

ROEVRUCHI - Krasnoyarsk Flora & Fauna Roev Ruchei, Krasnoyarsk, Krasnoyarskiy K, Russia										
589	M	1 Jun 2004	35	99	MOSCOW	1 Jun 2004	40666	Hatch		IVOMEK
					ROEVRUCHI	14 Feb 2007	NONE	Transfer		
637	F	20 May 2005	269	247	MOSCOW	20 May 2005	50201	Hatch		GORGONA
					ROEVRUCHI	14 Feb 2007	NONE	Transfer		
Totals: 1.1.0 (2)										

**SIBERIAN CRANE (*Grus leucogeranus*) International & EEP Studbook - Current Listing
Ordered by last location (alphabetical)**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
=====										
SENDAISHI - Yagiyama Zoological Park Sendai, Sendai-Shi, Miyagi, Japan										
321	F	14 May 2000	62	182	TOKYOTAMA SENDAISHI	14 May 2000 5 Oct 2005	3026 NONE	Hatch Transfer	U0193/PINK	
543	M	28 Jun 2003	63	183	TOKYOTAMA SENDAISHI	28 Jun 2003 5 Oct 2005	4248 NONE	Hatch Transfer		
Totals: 1.1.0 (2)										

SHANGHAI - Shanghai Wild Animal Park, Shanghai, China										
369	F	~ Jun 1995	WILD	WILD	JIUJIANG SHANGHAI	~ Oct 1996 22 Dec 1996	NONE NONE	Capture Transfer		

SHANGHAIZ - Shanghai Zoological Garden, 200335 Shanghai, Kiangsu, China										
551	F	27 May 2003	351	348	BEIJING SHANGHAIZ	27 May 2003 29 Jul 2004	NONE NONE	Hatch Transfer	03601	
652	M	~ 2005	WILD	WILD	JINZHAI HOPEI SHANGHAIZ	15 Nov 2005 18 Nov 2005 25 Dec 2006	NONE 05022 NONE	Capture Transfer Transfer		
653	?	1 Jun 2005	WILD	WILD	LIXIN HOPEI SHANGHAIZ	22 Nov 2005 24 Nov 2005 25 Dec 2006	NONE 05023 NONE	Capture Transfer Transfer		
Totals: 1.1.1 (3)										

SHENYANG - Shenyang Zoological Garden, Shenyang, Liaoning, China										
393	M	~ Jun 1996	WILD	WILD	TIANJIN SHENYANG	~ Dec 1997 27 Nov 1998	NONE 96-03	Capture Transfer	96-03	
394	F	~ Jul 1996	WILD	WILD	TIANJIN SHENYANG	~ Dec 1997 27 Nov 1998	NONE 96-04	Capture Transfer	96-04	
Totals: 1.1.0 (2)										

SHIH CHIA - Shijiazhuang Zoological Garden, Shijiazhuang, Hebei (hopeh), Republic of China										
605	?	22 May 2004	351	WLDCO4	BEIJING SHIH CHIA	22 May 2004 11 Apr 2005	04201 NONE	Hatch Transfer	04201	
606	?	24 May 2004	351	348	BEIJING SHIH CHIA	24 May 2004 11 Apr 2005	04602 NONE	Hatch Transfer	04602	
607	?	24 May 2004	351	349	BEIJING SHIH CHIA	24 May 2004 11 Apr 2005	04702 NONE	Hatch Transfer	04702	
608	?	25 May 2004	351	356	BEIJING SHIH CHIA	25 May 2004 11 Apr 2005	04501 NONE	Hatch Transfer	04501	
609	?	27 May 2004	351	348	BEIJING SHIH CHIA	27 May 2004 11 Apr 2005	04603 NONE	Hatch Transfer	04603	
610	?	28 May 2004	351	349	BEIJING SHIH CHIA	28 May 2004 11 Apr 2005	04703 NONE	Hatch Transfer	04703	
611	?	2 Jun 2004	351	WLDCO4	BEIJING SHIH CHIA	2 Jun 2004 11 Apr 2005	04202 NONE	Hatch Transfer	04202	
612	?	5 Jun 2004	351	349	BEIJING SHIH CHIA	5 Jun 2004 11 Apr 2005	04704 NONE	Hatch Transfer	04704	
613	?	6 Jun 2004	351	353	BEIJING SHIH CHIA	6 Jun 2004 4 Nov 2005	04301 NONE	Hatch Transfer	04301	
Totals: 0.0.9 (9)										

TALLIN - Tallinn Zoo, Tallinn, Estonia										
251	F	24 Jun 1998	82	128	OKA CRANE TALLIN	24 Jun 1998 6 Oct 1999	OKA144 13212	Hatch Transfer		ISHIM
258	M	5 Jul 1998	73	75	OKA CRANE TALLIN	5 Jul 1998 6 Oct 1999	OKA151 13211	Hatch Transfer		SHAIM
712	M	30 May 2007	258	251	TALLIN	30 May 2007	16572	Hatch		AMISH
723	M	4 Jul 2008	258	251	TALLIN	4 Jul 2008	17164	Hatch		SHALLY

SIBERIAN CRANE (*Grus leucogeranus*) International & EEP Studbook - Current Listing
Ordered by last location (alphabetical)

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
815	M	22 May 2009	258	251	TALLIN	22 May 2009		Hatch		SHON
816	M	25 May 2009	258	251	TALLIN	25 May 2009		Hatch		SHINE
Totals: 5.1.0 (6)										

TASHKENT - Tashkent Zoo, Tashkent 700000, Uzbekistan										
479	F	15 Jun 2002	73	75	OKA CRANE TASHKENT	15 Jun 2002 10 Nov 2009	OKA225	Hatch Transfer		KUSHEVAT
518	M	2 Jun 2003	85	42	OKA CRANE TASHKENT	2 Jun 2003 10 Nov 2009	OKA246	Hatch Transfer		BOBRIK
Totals: 1.1.0 (2)										

TOKYOTAMA - Tama Zoological Park, Hino-Shi, Tokyo, Japan										
63	M	20 Jun 1985	5	12	BARABOO TOKYOTAMA	20 Jun 1985 12 Mar 1986	060021 1462	Hatch Transfer	GREEN	SAMAR
182	F	5 Jun 1990	WLDCO3	WLDCO1	BEIJING HARBIN TOKYOTAMA	5 Jun 1990 26 May 1992 8 Oct 1992	90101 NONE 1459	Hatch Transfer Transfer	WHITE	
183	F	25 Jun 1990	WLDCO3	WLDCO1	BEIJING HARBIN TOKYOTAMA	25 Jun 1990 26 May 1992 8 Oct 1992	90103 NONE 1460	Hatch Transfer Transfer	RED/U-0131	
223	F	5 Jun 1996	62	182	TOKYOTAMA	5 Jun 1996	1735	Hatch	T0737/ORAN	
298	F	13 May 1997	63	182	TOKYOTAMA	13 May 1997	1970	Hatch	YELLOW/016	
300	F	13 May 1998	62	182	TOKYOTAMA	13 May 1998	2301	Hatch	U0177/RED.	
302	F	28 May 1998	62	183	TOKYOTAMA	28 May 1998	2357	Hatch	U0175/YELL	
438	M	16 May 2001	62	182	TOKYOTAMA	16 May 2001	3573	Hatch	U0334	
440	M	31 May 2001	62	183	TOKYOTAMA	31 May 2001	3575	Hatch	U0335	
441	F	8 Jun 2001	62	183	TOKYOTAMA	8 Jun 2001	3589	Hatch	U0336	
442	F	10 Jun 2001	62	183	TOKYOTAMA	10 Jun 2001	3591	Hatch	U0337	
542	M	17 Jun 2003	63	183	TOKYOTAMA	17 Jun 2003	4247	Hatch		
711	F	3 Jun 2007	UNK	UNK	TOKYOTAMA	3 Jun 2007	5423	Hatch		
727	F	28 May 2008	440	298	TOKYOTAMA	28 May 2008	5679	Hatch		
814	?	17 May 2009	440	298	TOKYOTAMA	17 May 2009	5968	Hatch		
Totals: 4.10.1 (15)										

TONGLING - Tongling Tianjing Lake Park Zoo, Tongling, Anhui (anhwei), China										
785	M	????	UNK	UNK	TONGLING	~ 2003	NONE	Transfer		
786	F	????	UNK	UNK	TONGLING	~ 2003	NONE	Transfer		
787	?	????	WILD	WILD	SHANTUNG TONGLING	~ 1994 ~ 2003	NONE NONE	Capture Transfer		
788	?	????	WILD	WILD	SHANTUNG TONGLING	~ 1994 ~ 2003	NONE NONE	Capture Transfer		
789	?	????	WILD	WILD	SHANTUNG TONGLING	~ 1994 ~ 2003	NONE NONE	Capture Transfer		
790	?	????	WILD	WILD	SHANTUNG TONGLING	~ 1994 ~ 2003	NONE NONE	Capture Transfer		
791	?	????	WILD	WILD	SHANTUNG TONGLING	~ 1994 ~ 2003	NONE NONE	Capture Transfer		
Totals: 1.1.5 (7)										

**SIBERIAN CRANE (*Grus leucogeranus*) International & EEP Studbook - Current Listing
Ordered by last location (alphabetical)**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
=====										
TURKEY - TURKEY, Continental Europe, European Region,										
193	M	4 Jun 1995	67	39	OKA CRANE	4 Jun 1995	OKA102	Hatch	4-02	WHITE NANKI
						30 Aug 1996	OKA102	Release		
					TURKEY	~ May 1997	NONE	Capture		

UARAB EM - United Arab Emirates, Southwestern Asia, Asian Region,										
623	F	12 May 2005	UNK	UNK	CRACID BC UARAB EM	12 May 2005 ~ Mar 2008	GL0502 NONE	Hatch Transfer	05-0140	
634	M	6 Jun 2005	UNK	UNK	CRACID BC UARAB EM	6 Jun 2005 ~ Mar 2008	GL0513 NONE	Hatch Transfer	05-0148	
702	F	22 May 2007	61	116	CRACID BC UARAB EM	22 May 2007 ~ Mar 2008	GL0702 NONE	Hatch Transfer	20-07-0062	USYA
704	M	25 May 2007	234	214	CRACID BC UARAB EM	25 May 2007 ~ Mar 2008	GL0704 NONE	Hatch Transfer	20-07-0063	SUPAY
706	M	29 May 2007	92	142	CRACID BC UARAB EM	29 May 2007 ~ Mar 2008	GL0706 NONE	Hatch Transfer	20-07-0064	APU
707	F	1 Jun 2007	234	214	CRACID BC UARAB EM	1 Jun 2007 ~ Mar 2008	GL0707 NONE	Hatch Transfer	20-07-0065	CIELO
Totals: 3.3.0 (6)										

WALSRODE - Vogelpark Walsrode, D-29664 Walsrode, Germany										
95	M	17 May 1991	27	30	WALSRODE	17 May 1991	BNU07	Hatch	B8262	BEETHOVEN
104	F	7 Jun 1991	61	30	WALSRODE	7 Jun 1991	BNU08	Hatch	B8240	CLEOPATRA
600	M	11 Jun 2004	95	104	WALSRODE	11 Jun 2004	BNU29	Hatch		
617	F	8 Jun 2005	149	110	BERLIN TP WALSRODE	8 Jun 2005	B00407	Hatch		
						7 Dec 2005	BNU31	Transfer		
684	F	6 Jun 2006	95	104	WALSRODE	6 Jun 2006	BNU32	Hatch		
Totals: 2.3.0 (5)										

XIAN - Yangliang Park, Xian, Shanzi, China										
550	?	22 May 2003	351	WLDCO4	BEIJING XIAN	22 May 2003 8 Apr 2004	<u> </u> NONE	Hatch Transfer	03203	
554	F	9 Jun 2003	351	348	BEIJING XIAN	9 Jun 2003 8 Apr 2004	<u> </u> NONE	Hatch Transfer	03602	
Totals: 0.1.1 (2)										

XIXIAKOU - Xixiakou Wild Animal Park, Rongcheng, Shandong, China										
659	?	23 May 2006	351	356	BEIJING XIXIAKOU	23 May 2006 25 Sep 2006	06601 NONE	Hatch Transfer	010A004	
660	?	30 May 2006	351	356	BEIJING XIXIAKOU	30 May 2006 25 Sep 2006	06501 NONE	Hatch Transfer	010A003	
Totals: 0.0.2 (2)										

XUZHOU - Xuzhou Pengyuan Zoo, Xuzhou, Jiangsu, China										
344	?	~ May 1989	WILD	WILD	JIANGSU XUZHOU	~ Nov 1989 ~ Nov 1989	<u> </u> NONE	Capture Transfer		
345	?	~ May 1989	WILD	WILD	JIANGSU XUZHOU	~ Nov 1994 ~ Nov 1994	<u> </u> NONE	Capture Transfer		
361	?	~ Jun 1993	WILD	WILD	JIANGSU XUZHOU	~ Jan 1997 ~ Jan 1997	<u> </u> NONE	Capture Transfer		
Totals: 0.0.3 (3)										

YANCHENG - Yancheng Peoples Park, Yancheng, Jiangsu, China										
339	F	~ Jun 1980	WILD	WILD	HUOYN HOPEI YANCHENG	~ Sep 1986 ~ Nov 1986 18 Apr 2008	<u> </u> 86001 86001	Capture Transfer Transfer	86001	

**SIBERIAN CRANE (*Grus leucogeranus*) International & EEP Studbook - Current Listing
Ordered by last location (alphabetical)**

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event	Tag/Band	Name
497	M	~ 1997	WILD	WILD	LONGHU	~ Oct 2002	NONE	Capture	02015	
					HOPEI	19 Nov 2002	02015	Transfer		
					YANCHENG	18 Apr 2008	02015	Transfer		
614	M	????	WILD	WILD	HOPEI	28 Dec 2004	04019	Transfer	04019	
					YANCHENG	18 Apr 2009	04019	Transfer		
651	?	~ 2005	WILD	WILD	FEIDONG	9 Nov 2005	NONE	Capture	05021	
					HOPEI	9 Nov 2005	05021	Transfer		
					YANCHENG	18 Apr 2008	05021	Transfer		
688	?	????	WILD	WILD	JINZHAI	28 Oct 2006	NONE	Capture	06024	
					HOPEI	28 Oct 2006	06024	Transfer		
					YANCHENG	18 Apr 2008	06024	Transfer		
690	?	~ 2007	WILD	WILD	JINZHAI	30 Oct 2007	NONE	Capture	07025	
					HOPEI	30 Oct 2007	07025	Transfer		
					YANCHENG	18 Apr 2008	07025	Transfer		

Totals: 2.1.3 (6)

YAROSLAVZ - Yaroslavl Zoo, YAROSLAVL, RUSSIA

716	F	15 May 2007	85	154	OKA CRANE	15 May 2007	1-282	Hatch		LOTTA
					YAROSLAVZ	8 Oct 2009		Transfer		
738	M	14 Jul 2008	37	42	OKA CRANE	14 Jul 2008	1-294	Hatch	WHITE	VESKA
					YAROSLAVZ	8 Oct 2009		Transfer		

Totals: 1.1.0 (2)

ZHALONG - Zhalong Nature Reserve, Qiqihar, Heilongjiang, China

358	M	~ Aug 1992	WILD	WILD	FUYU	20 Oct 1998	NONE	Capture		002#
					ZHALONG	20 Oct 1998	002#	Transfer		
360	M	~ Jun 1993	WILD	WILD	HEILUNGKI	~ Nov 1993	NONE	Capture		001#
					ZHALONG	~ Nov 1993	001#	Transfer		
557	M	????	WILD	WILD	CHICHIHAL	~ Oct 2002	NONE	Capture		
					ZHALONG	~ Oct 2002	NONE	Transfer		
783	?	????	WILD	WILD	ZHALONG	~ Jun 2008	NONE	Capture		
						~ Jun 2008	NONE	Transfer		

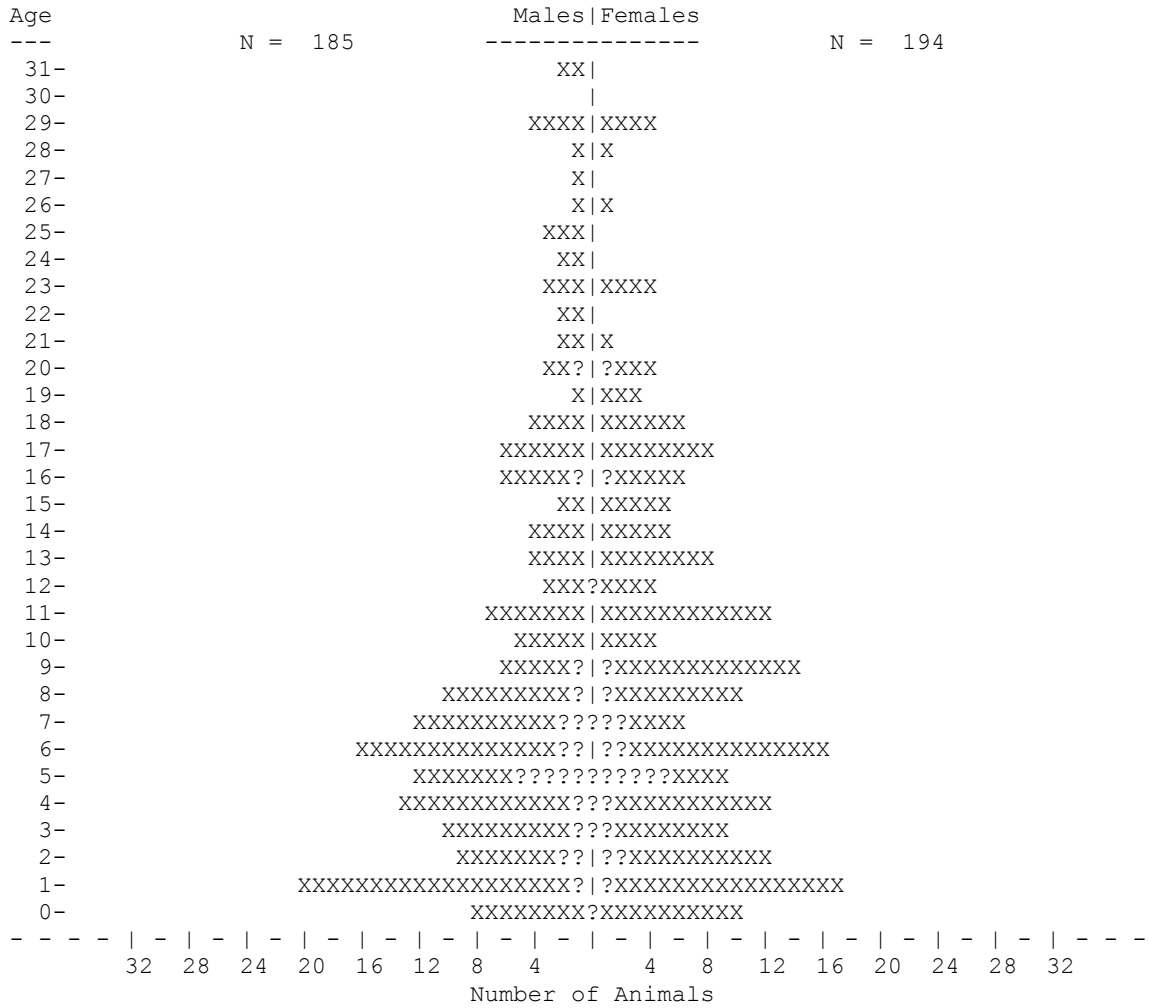
Totals: 3.0.1 (4)

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TOTALS: 166.174.52 (393) in 55 Institutions

Age Pyramid Report SIBERIAN CRANE Studbook Status: Living on 12 Dec 2009

Taxon Name: GRUS LEUCOGERANUS



X >>> Specimens of known sex...
 ? >>> Specimens of unknown sex...
 3 Male Specimens of unknown age...
 1 Female Specimen of unknown age...
 10 Unknown sex Specimens of unknown age...

Taxon Name: GRUS LEUCOGERANUS

Age Class	Fecundity [Mx]...				Mortality [Qx]...			
	Male	N	Female	N	Male	N	Female	N
0- 1	0.00	251.7	0.00	240.0	0.25	322.1	0.28	318.1
1- 2	0.00	209.4	0.00	203.9	0.06	217.4	0.05	209.3
2- 3	0.00	188.9	0.00	182.7	0.02	191.4	0.05	186.2
3- 4	0.02	175.2	0.01	167.4	0.03	179.1	0.02	168.7
4- 5	0.04	161.4	0.03	157.0	0.03	162.8	0.02	157.8
5- 6	0.12	144.9	0.09	144.5	0.03	147.4	0.02	146.2
6- 7	0.18	126.8	0.12	133.1	0.05	131.3	0.01	133.8
7- 8	0.16	110.7	0.15	120.7	0.02	112.3	0.00	120.7
8- 9	0.18	96.9	0.20	112.4	0.04	98.2	0.00	112.4
9-10	0.23	84.8	0.35	100.3	0.04	86.6	0.01	101.4
10-11	0.23	76.9	0.39	89.3	0.01	77.5	0.01	90.1
11-12	0.32	69.9	0.34	82.0	0.00	69.9	0.00	82.0
12-13	0.33	64.6	0.27	71.6	0.03	65.4	0.05	72.9
13-14	0.41	59.4	0.48	62.5	0.00	59.4	0.00	62.5
14-15	0.43	55.6	0.34	55.9	0.00	55.6	0.02	56.0
15-16	0.43	51.4	0.41	49.6	0.04	52.2	0.02	50.3
16-17	0.39	46.6	0.34	42.8	0.00	46.6	0.05	43.4
17-18	0.22	40.6	0.21	34.6	0.00	40.6	0.00	34.6
18-19	0.28	35.6	0.17	27.1	0.00	35.6	0.00	27.1
19-20	0.26	32.5	0.33	21.9	0.00	32.5	0.04	22.5
20-21	0.34	29.1	0.31	18.1	0.07	30.7	0.00	18.1
21-22	0.31	25.2	0.23	15.5	0.04	26.1	0.00	15.5
22-23	0.36	23.1	0.40	14.1	0.00	23.1	0.07	15.0
23-24	0.16	19.6	0.14	11.0	0.05	20.4	0.08	11.9
24-25	0.06	16.5	0.11	9.0	0.06	17.4	0.00	9.0
25-26	0.19	13.6	0.19	8.1	0.00	13.6	0.11	9.0
26-27	0.09	12.0	0.06	8.0	0.00	12.0	0.00	8.0
27-28	0.10	10.5	0.44	7.0	0.00	10.5	0.00	7.0
28-29	0.16	9.5	0.10	5.0	0.00	9.5	0.31	6.5
29-30	0.00	6.8	0.00	1.9	0.00	6.8	0.00	1.9
30-31	0.00	5.0	0.00	0.0	0.00	5.0	0.00	0.0
31-32	0.00	3.8	0.00	0.0	0.00	3.8	0.00	0.0
32-33	0.00	3.0	0.00	0.0	0.28	3.5	0.00	0.0
33-34	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
34-35	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
35-36	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
36-37	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
37-38	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
38-39	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
39-40	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
40-41	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
41-42	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
42-43	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
43-44	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
44-45	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
45-46	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
46-47	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
47-48	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
48-49	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
49-50	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
50-51	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
51-52	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
52-53	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
53-54	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
54-55	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
55-56	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
56-57	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
57-58	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
58-59	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0

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 Taxon Name: GRUS LEUCOGERANUS
 =====

59-60	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
60-61	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
61-62	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
62-63	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
63-64	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
64-65	0.00	2.0	0.00	0.0	0.00	2.0	0.00	0.0
65-66	0.00	1.5	0.00	0.0	0.50	2.0	0.00	0.0
66-67	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
67-68	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
68-69	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
69-70	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
70-71	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
71-72	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
72-73	1.05	1.0	0.00	0.0	0.00	1.0	0.00	0.0
73-74	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
74-75	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
75-76	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
76-77	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
77-78	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
78-79	0.00	0.6	0.00	0.0	1.00	1.0	0.00	0.0
79-80	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0
80-81	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0

Gestation Period: 28 days

T = 17.869	T = 15.232	30 day mortality: 16%
Ro = 3.147	Ro = 3.216	(106 deaths out of 682 arriving
lambda=1.07	lambda=1.08	within 30 days of birth date)
r = 0.064	r = 0.077	

615 birth events to known age parents tabulated for Mx...
 (Average of 622 births to female parents and 609 births to male parents.)
 plus...
 28 births to UNK or MULT sires...
 15 births to UNK or MULT dams...

274 death events with known age tabulated for Qx...

Census Report SIBERIAN CRANE Studbook

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=====
Year
as of 31 Dec      Specimen Counts      Observed Lambda
-----
Annual  Geometric Mean
-----
2008      162.166.51 (379)      1.10
2007      144.150.49 (343)      1.01  1.06 (last 2 yrs)
2006      141.147.50 (338)      1.03  1.05 (last 3 yrs)
2005      134.143.52 (329)      1.10  1.06 (last 4 yrs)
2004      120.133.47 (300)      1.08  1.06 (last 5 yrs)
2003      117.124.36 (277)      1.12  1.07 (last 6 yrs)
2002      107.112.29 (248)      1.18  1.09 (last 7 yrs)
2001       89.100.22 (211)      1.17  1.10 (last 8 yrs)
2000       79.88.13 (180)       1.12  1.10 (last 9 yrs)
1999       75.75.11 (161)      1.05  1.09 (last 10 yrs)
1998       72.71.11 (154)      1.17  1.10 (last 11 yrs)
1997       62.60.10 (132)      1.02  1.09 (last 12 yrs)
1996       62.60.8 (130)       1.04  1.09 (last 13 yrs)
1995       59.58.8 (125)       1.04  1.09 (last 14 yrs)
1994       60.52.8 (120)       1.09  1.09 (last 15 yrs)
1993       56.52.2 (110)       1.12  1.09 (last 16 yrs)
1992       52.44.2 (98)        1.26  1.10 (last 17 yrs)
1991       43.33.2 (78)        1.22  1.10 (last 18 yrs)
1990       36.26.2 (64)        1.03  1.10 (last 19 yrs)
1989       35.25.2 (62)        1.13  1.10 (last 20 yrs)
1988       32.23.0 (55)        0.98  1.10 (last 21 yrs)
1987       33.23.0 (56)        1.02  1.09 (last 22 yrs)
1986       31.24.0 (55)        1.22  1.10 (last 23 yrs)
1985       29.16.0 (45)        1.07  1.10 (last 24 yrs)
1984       26.16.0 (42)        1.14  1.10 (last 25 yrs)
1983       22.15.0 (37)        1.06  1.10 (last 26 yrs)
1982       21.14.0 (35)        1.09  1.10 (last 27 yrs)
1981       18.14.0 (32)        1.03  1.09 (last 28 yrs)
1980       18.13.0 (31)        2.21  1.12 (last 29 yrs)
1979        8.6.0 (14)         1.17  1.12 (last 30 yrs)
1978        7.5.0 (12)         1.33  1.13 (last 31 yrs)
1977        4.5.0 (9)          1.29  1.13 (last 32 yrs)
1976        4.3.0 (7)          1.00  1.13 (last 33 yrs)
1975        4.3.0 (7)          1.00  1.12 (last 34 yrs)
1974        4.3.0 (7)          1.00  1.12 (last 35 yrs)
1973        4.3.0 (7)          1.40  1.13 (last 36 yrs)
1972        3.2.0 (5)          1.00  1.12 (last 37 yrs)
1971        3.2.0 (5)          1.00  1.12 (last 38 yrs)
1970        3.2.0 (5)          1.25  1.12 (last 39 yrs)
1969        2.2.0 (4)          1.33  1.13 (last 40 yrs)
1968        2.1.0 (3)          0.60  1.11 (last 41 yrs)
1967        2.3.0 (5)          0.83  1.10 (last 42 yrs)
1966        2.3.1 (6)          1.20  1.11 (last 43 yrs)
1965        2.2.1 (5)          1.00  1.10 (last 44 yrs)
1964        2.2.1 (5)          1.00  1.10 (last 45 yrs)
1963        2.2.1 (5)          1.00  1.10 (last 46 yrs)
1962        2.2.1 (5)          1.00  1.10 (last 47 yrs)
1961        2.2.1 (5)          1.00  1.09 (last 48 yrs)
1960        2.2.1 (5)          1.00  1.09 (last 49 yrs)
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Note: Lambda values include Imports and Exports...

Reproductive Parameters Report SIBERIAN CRANE Studbook
Filters applied to parents: Dates: 01/01/1900 <= date

=====
Incubation period set to 29 days, ~1.0 months.

DAM DATA: 63 reported dams, with 247.250.119 (616) offspring
(not including 28 offspring of unknown dams)

Youngest dams at first clutch:

287 at age 3Y,11M,22D
635 at age 3Y,11M,29D
219 at age 4Y,0M,23D
75 at age 4Y,10M,27D
86 at age 4Y,11M,9D
128 at age 4Y,11M,19D
218 at age 5Y,0M,4D
531 at age 5Y,0M,4D
142 at age 5Y,0M,9D
529 at age 5Y,0M,25D

Oldest dams at first clutch:

31 at age 19Y,11M,24D
WLD217 at age ~16Y
WLDCO1 at age ~16Y,1M
WLDCO4 at age ~14Y
348 at age 13Y,11M,10D
19 at age 13Y,10M,2D
4 at age ~13Y
110 at age 13Y,0M,28D
349 at age 12Y,11M,4D
39 at age 12Y,9M,20D

Oldest dams to have clutched:

30 at age 28Y,11M,2D
30 at age 27Y,10M,26D
4 at age ~27Y
4 at age ~27Y
4 at age ~27Y
4 at age ~27Y
42 at age 27Y,0M,23D
30 at age 26Y,11M,24D
4 at age ~25Y
4 at age ~25Y

Median age of females at first reproduction: 8Y,2M,5D

Average age of females at first reproduction: 8Y,8M,23D

Median age of females at reproduction: 11Y,11M,12D

Average age of females at reproduction: 12Y,6M,9D

Reproductive Parameters Report SIBERIAN CRANE Studbook
Filters applied to parents: Dates: 01/01/1900 <= date

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=====
Shortest interclutch intervals
Dam      Interval      Offspring
-----
  4      16 days between 138 & 143
 30      16 days between 100 & 95
 42      16 days between 125 & 128
 42      16 days between 509 & 518
 74      16 days between 288 & 289
 75      16 days between 174 & 177
 75      16 days between 220 & 207
 75      16 days between 407 & 414
 89      16 days between 417 & 425
142      16 days between 526 & 534
142      16 days between 598 & 599
142      16 days between 753 & 760

```

Dams with most offspring:

```

 75      55
 42      39
142      34
 89      26
 30      25
 68      24
356      22
 74      22
  4      22
128      20
 45      18
 97      17

```

Hatch seasonality (clutches)

```

-----
January:    0      0%
February:  0      0%
March:     2      1%
April:    16      4%
May:    208     53%
June:   149     38%
July:    17      4%
August:   0      0%
September: 0      0%
October:  0      0%
November: 0      0%
December: 0      0%

```

Rearing:	Viability:					
	Lived > 1 year		Died < 1 year		Died < 30 days	
Parent (105)	73	70%	11	10%	21	20%
Hand (397)	316	80%	43	11%	38	10%
Foster (43)	38	88%	1	2%	4	9%
Peer (29)	22	76%	5	17%	2	7%
None (2)	0	0%	0	0%	2	100%
Unknown (40)	18	45%	2	5%	20	50%
	-----		-----		-----	
	467	76%	62	10%	87	14%

Reproductive Parameters Report SIBERIAN CRANE Studbook
Filters applied to parents: Dates: 01/01/1900 <= date

=====
 First hatches to dams at an average age of ~8Y,8M,23D
 84.1% lived >1 year 6.3% died <1 year 9.5% died <30 days
 N = 53 N = 4 N = 6

Subsequent hatches to dams at an average age of ~12Y,11M,3D
 74.9% lived >1 year 10.5% died <1 year 14.6% died <30 days
 N = 414 N = 58 N = 81

=====

Clutch size	N	
1	227	58%
2	116	30%
3	41	10%
4	6	2%
5	2	1%

392 total clutches, mean size is 1.6

SIRE DATA: 60 reported sires, with 239.248.116 (603) offspring

Youngest sires at first reproduction:

(male's age when dam conceived)

- 425 at age 2Y,11M,5D
- 624 at age 2Y,11M,9D
- 416 at age 2Y,11M,19D
- 259 at age 3Y,10M,17D
- 43 at age 4Y,0M,7D
- 73 at age 4Y,9M,29D
- 215 at age 4Y,10M,16D
- 533 at age 4Y,10M,25D
- 78 at age 4Y,10M,29D
- 402 at age 4Y,11M,6D

Oldest sires at first reproduction:

- 1 at age ~72Y
- WLD216 at age ~16Y
- 340 at age ~15Y
- 58 at age 14Y,11M,23D
- 52 at age 14Y,9M,23D
- 119 at age 13Y,10M,17D
- 82 at age ~12Y
- 17 at age 12Y,8M,23D
- 5 at age ~12Y
- 109 at age 12Y,0M,2D

Oldest sires to have reproduced:

- 1 at age ~72Y
- 1 at age ~72Y
- 33 at age 28Y,10M,17D
- 33 at age 28Y,10M,11D
- 37 at age 27Y,11M,18D
- 33 at age 27Y,8M,26D
- 27 at age 26Y,11M,8D
- 33 at age 26Y,10M,2D
- 27 at age 25Y,11M,13D
- 82 at age ~25Y

Median age of males at first reproduction: 7Y,4M,24D

Average age of males at first reproduction: 9Y,2M,30D

Median age of males at reproduction: 12Y,10M,10D

Average age of males at reproduction: 13Y,3M,16D

(all ages are at dam conception)

Reproductive Parameters Report SIBERIAN CRANE Studbook
Filters applied to parents: Dates: 01/01/1900 <= date

Sires with most offspring:

73	54
351	51
82	49
85	32
149	30
33	27
27	25
18	22
40	19
79	17
62	17
78	15

Age Report SIBERIAN CRANE Studbook - ates: 01/01/1900 <= date

Ages at death for animals surviving to at least 30 days					
	25th %tile	Median	75th %tile	Maximum	N
males:	4M,5D	2Y,0M,21D	8Y,6M,21D	~78Y	74
females:	3M,25D	1Y,10M,23D	10Y,2M,30D	28Y,5M,1D	60
unknown sex:	2M,15D	10M,28D	3Y,5M,7D	~9Y	48

Oldest dozen males:

1	Wild hatched	Died at BARABOO at age of ~78Y
2	Wild hatched	Died at BERLINZOO at age of ~65Y
WLDCO2	Wild hatched	Died at CUIHU at age of ~33Y,0M
338	Wild hatched	Died at CHANGCHUN at age of ~24Y
36	Captive hatched	Died at OKA CRANE at age of 23Y,2M,3D
5	Wild hatched	Died at BARABOO at age of ~21Y
62	Captive hatched	Died at TOKYOTAMA at age of 20Y,3M,10D
17	Captive hatched	Died at BARABOO at age of 20Y,2M,2D
52	Captive hatched	Died at CRACID BC at age of 15Y,8M,27D
111	Captive hatched	Died at CAMBRON at age of 15Y,5M,11D
44	Captive hatched	Died at HIRAKAWA at age of 12Y,11M,8D
352	Wild hatched	Died at SHANGHAI at age of ~12Y,3M

Oldest dozen females:

19	Captive hatched	Died at BARABOO at age of 28Y,5M,1D
4	Wild hatched	Died at BARABOO at age of ~28Y
3	Wild hatched	Died at BARABOO at age of ~25Y
WILD11	Wild hatched	Died at WILD at age of ~24Y
60	Captive hatched	Died at BARABOO at age of 23Y,1M,10D
337	Wild hatched	Died at CHANGCHUN at age of ~22Y
WLDCO1	Wild hatched	Died at BEIJING at age of ~19Y,5M
39	Captive hatched	Died at OKA CRANE at age of 16Y,11M,29D
25	Captive hatched	Died at WALSRODE at age of 16Y,4M,23D
45	Captive hatched	Died at BARABOO at age of 15Y,3M,27D
127	Captive hatched	Died at FRANKLINP at age of 14Y,11M,17D
121	Captive hatched	Died at CAMBRON at age of 12Y,10M,8D

Oldest dozen unknown sex:

389	Wild hatched	Died at HARBIN at age of ~9Y
378	Wild hatched	Died at CHANGCHUN at age of ~6Y,10M
430	Captive hatched	Died at XIAN at age of 6Y,3M,6D
697	Wild hatched	Died at SANDIEGOZ at age of ~5Y,8M
696	Wild hatched	Died at SANDIEGOZ at age of ~5Y,8M
654	Wild hatched	Died at LINGHU at age of ~5Y,4M,26D
577	Captive hatched	Died at XIAN at age of 5Y,4M,22D
428	Captive hatched	Died at CUIHU at age of 5Y,1M,8D
346	Wild hatched	Died at NANJING at age of ~4Y,11M
427	Captive hatched	Died at XIAN at age of 4Y,9M,26D
582	Captive hatched	Died at XIAN at age of 4Y,9M,14D
581	Captive hatched	Died at XIAN at age of 3Y,8M,3D

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Ages for animals surviving to present					
	25th %tile	Median	75th %tile	Maximum	N
males:	3Y, 7M, 3D	7Y, 6M, 20D	14Y, 11M, 14D	~31Y	164
females:	3Y, 6M, 26D	9Y, 5M, 27D	14Y, 6M, 14D	~29Y, 6M	173
unknown sex:	4Y, 0M, 21D	5Y, 6M, 22D	7Y, 7M, 6D	~20Y, 7M	42

Oldest dozen living males:

15 Wild hatched At OKA CRANE at age of ~31Y
 18 Captive hatched At BARABOO at age of 31Y, 4M, 8D
 27 Captive hatched At CRACID BC at age of 29Y, 5M, 23D
 33 Captive hatched At OKA CRANE at age of 29Y, 5M, 18D
 35 Captive hatched At MOSCOW at age of 29Y, 5M, 17D
 37 Captive hatched At OKA CRANE at age of 29Y, 5M, 16D
 40 Captive hatched At HIRAKAWA at age of 28Y, 6M, 16D
 82 Wild hatched At OKA CRANE at age of ~27Y
 WLDCO3 Wild hatched At BEIJING at age of ~26Y
 57 Captive hatched At CRACID BC at age of 25Y, 7M, 3D
 58 Captive hatched At HIRAKAWA at age of 25Y, 7M, 0D
 61 Captive hatched At CRACID BC at age of 25Y, 5M, 29D

Oldest dozen living females:

339 Wild hatched At YANCHENG at age of ~29Y, 6M
 31 Captive hatched At HIRAKAWA at age of 29Y, 5M, 19D
 28 Captive hatched At CAMBRON at age of 29Y, 5M, 19D
 30 Captive hatched At CRACID BC at age of 29Y, 5M, 16D
 42 Captive hatched At OKA CRANE at age of 28Y, 5M, 22D
 WLDCO4 Wild hatched At BEIJING at age of ~26Y
 64 Captive hatched At HIRAKAWA at age of 23Y, 7M, 2D
 68 Captive hatched At OKA CRANE at age of 23Y, 5M, 16D
 75 Captive hatched At OKA CRANE at age of 23Y, 5M, 13D
 74 Captive hatched At CRACID BC at age of 23Y, 5M, 13D
 343 Wild hatched At HOPEI at age of ~21Y, 6M
 86 Captive hatched At BARABOO at age of 20Y, 6M, 30D

Oldest dozen living unknown sex:

345 Wild hatched At XUZHOU at age of ~20Y, 7M
 344 Wild hatched At XUZHOU at age of ~20Y, 7M
 784 Wild hatched At PANJINZOO at age of 16Y, 6M, 16D
 361 Wild hatched At XUZHOU at age of ~16Y, 6M
 374 Wild hatched At QINHUANGD at age of ~12Y, 9M
 656 Wild hatched At NANCHANG at age of ~9Y, 11M, 13D
 655 Wild hatched At NANCHANG at age of ~9Y, 11M, 13D
 429 Captive hatched At BEIJING at age of 8Y, 6M, 7D
 435 Captive hatched At NANNING at age of 8Y, 5M, 21D
 585 Wild hatched At CHANGCHUN at age of ~7Y
 493 Captive hatched At HOPEI at age of 7Y, 7M, 18D
 580 Captive hatched At BAOTING at age of 7Y, 6M, 24D

Crude Demographic Parameters SIBERIAN CRANE Studbook 40 years

	Crude Demographics					
	CBR	CIR	CDR	CDRn	CER	CRC
31 Dec 2008	13%	0%	3%	9%	0%	1.105
31 Dec 2007	7%	0%	6%	8%	0%	1.015
31 Dec 2006	8%	1%	6%	7%	0%	1.027
31 Dec 2005	11%	2%	3%	6%	0%	1.104
31 Dec 2004	15%	1%	3%	14%	0%	1.080
31 Dec 2003	23%	5%	10%	18%	0%	1.136
31 Dec 2002	26%	4%	8%	11%	0%	1.186
31 Dec 2001	27%	3%	7%	13%	0%	1.179
31 Dec 2000	25%	0%	8%	21%	0%	1.123
31 Dec 1999	15%	3%	8%	9%	0%	1.055
31 Dec 1998	27%	4%	6%	15%	0%	1.207
31 Dec 1997	14%	3%	12%	12%	0%	0.984
31 Dec 1996	19%	3%	10%	32%	0%	1.051
31 Dec 1995	26%	2%	19%	38%	0%	1.035
31 Dec 1994	17%	3%	8%	11%	0%	1.037
31 Dec 1993	21%	2%	6%	10%	0%	1.124
31 Dec 1992	34%	3%	9%	8%	0%	1.260
31 Dec 1991	23%	3%	6%	7%	0%	1.203
31 Dec 1990	11%	0%	8%	0%	0%	1.032
31 Dec 1989	11%	7%	4%	0%	0%	1.148
31 Dec 1988	5%	2%	11%	33%	0%	0.964
31 Dec 1987	7%	2%	7%	25%	0%	1.018
31 Dec 1986	33%	2%	13%	7%	0%	1.222
31 Dec 1985	5%	7%	5%	0%	0%	1.071
31 Dec 1984	14%	0%	0%	0%	0%	1.135
31 Dec 1983	26%	0%	20%	33%	0%	1.057
31 Dec 1982	12%	3%	6%	0%	0%	1.094
31 Dec 1981	10%	0%	6%	33%	0%	1.032
31 Dec 1980	107%	21%	7%	0%	0%	2.214
31 Dec 1979	33%	8%	25%	25%	0%	1.167
31 Dec 1978	62%	12%	25%	20%	0%	1.500
31 Dec 1977	33%	0%	0%	0%	0%	1.333
31 Dec 1976	0%	0%	0%	0%	0%	1.000
31 Dec 1975	0%	0%	0%	0%	0%	1.000
31 Dec 1974	0%	50%	0%	0%	0%	1.500
31 Dec 1973	0%	0%	0%	0%	0%	1.000
31 Dec 1972	0%	0%	0%	0%	0%	1.000
31 Dec 1971	0%	0%	0%	0%	0%	1.000
31 Dec 1970	0%	0%	0%	0%	0%	1.000
31 Dec 1969	0%	33%	0%	0%	0%	1.333

Explanatory Notes

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Crude Demographics>

- CBR - Crude birth rate (births per 100).
- CIR - Crude import rate (imports per 100).
- CDR - Crude death rate (deaths per 100).
- CDRn - Crude death rate of neonates (neonatal deaths per 100 births).
- CER - Crude export rate (exports per 100).
[Note that this value is NOT calculated and will always be 0.]
- CRC - Crude rate of change (actual observed annual growth rate).

Inbreeding coefficients and mean kinships Analysis date: 12/12/2009

Status: Living during 1 Jan 1900 -> 12 Dec 2009

Inbreeding and kinship calculations omit genes from UNKNOWN ancestors.

 MEAN KINSHIP OF LIVING ANIMALS TO LIVING NON-FOUNDERS

Studbook	Sire	Dam	Inbreeding	Mean kinship	Known	Location
15 M	WILD	WILD	F = 0.0000	mk = 0.0021	1.0000	OKA CRANE
18 M	WILD	WILD	F = 0.0000	mk = 0.0267	1.0000	BARABOO
27 M	WILD	WILD	F = 0.0000	mk = 0.0235	1.0000	CRACID BC
28 F	WILD10	WILD11	F = 0.0000	mk = 0.0175	1.0000	CAMBRON
30 F	WILD8	WILD9	F = 0.0000	mk = 0.0235	1.0000	CRACID BC
31 F	WILD	WILD	F = 0.0000	mk = 0.0016	1.0000	HIRAKAWA
33 M	WILD10	WILD11	F = 0.0000	mk = 0.0325	1.0000	OKA CRANE
35 M	WILD	WILD	F = 0.0000	mk = 0.0058	1.0000	MOSCOW
37 M	WILD	WILD	F = 0.0000	mk = 0.0093	1.0000	OKA CRANE
40 M	5	4	F = 0.0000	mk = 0.0327	1.0000	BARABOO
42 F	WILD	WILD	F = 0.0000	mk = 0.0451	1.0000	OKA CRANE
47 F	37	42	F = 0.0000	mk = 0.0319	1.0000	CAMBRON
57 M	5	4	F = 0.0000	mk = 0.0290	1.0000	CRACID BC
58 M	18	4	F = 0.0000	mk = 0.0298	1.0000	BARABOO
61 M	18	4	F = 0.0000	mk = 0.0330	1.0000	CRACID BC
63 M	5	12	F = 0.0000	mk = 0.0198	1.0000	TOKYOTAMA
64 F	18	4	F = 0.0000	mk = 0.0314	1.0000	BARABOO
67 M	WILD	WILD	F = 0.0000	mk = 0.0082	1.0000	OKA CRANE
68 F	WILD	WILD	F = 0.0000	mk = 0.0054	1.0000	OKA CRANE
73 M	WILD	WILD	F = 0.0000	mk = 0.0327	1.0000	OKA CRANE
74 F	WILD	WILD	F = 0.0000	mk = 0.0148	1.0000	CRACID BC
75 F	WILD	WILD	F = 0.0000	mk = 0.0336	1.0000	OKA CRANE
78 M	40	13	F = 0.0000	mk = 0.0242	1.0000	BARABOO
79 M	40	12	F = 0.0000	mk = 0.0289	1.0000	BARABOO
82 M	WILD	WILD	F = 0.0000	mk = 0.0301	1.0000	OKA CRANE
85 M	WILD	WILD	F = 0.0000	mk = 0.0054	1.0000	OKA CRANE
86 F	18	12	F = 0.0000	mk = 0.0284	1.0000	BARABOO
87 M	18	12	F = 0.0000	mk = 0.0255	1.0000	BERLIN TP
89 F	33	42	F = 0.0000	mk = 0.0466	1.0000	OKA CRANE
92 M	33	42	F = 0.0000	mk = 0.0405	1.0000	CRACID BC
94 F	57	30	F = 0.0000	mk = 0.0299	1.0000	BERLIN TP
95 M	27	30	F = 0.0000	mk = 0.0251	1.0000	WALSRODE
97 F	61	25	F = 0.0000	mk = 0.0207	1.0000	OKA CRANE
99 F	73	75	F = 0.0000	mk = 0.0360	1.0000	MOSCOW
102 M	17	45	F = 0.0000	mk = 0.0173	1.0000	RAMBOUILT
103 M	17	45	F = 0.0000	mk = 0.0173	1.0000	OSAKA
104 F	61	30	F = 0.0000	mk = 0.0299	1.0000	WALSRODE
107 M	18	45	F = 0.0000	mk = 0.0241	1.0000	BARABOO
109 M	18	45	F = 0.0000	mk = 0.0249	1.0000	FRANKLINP
110 F	57	30	F = 0.0000	mk = 0.0283	1.0000	BERLIN TP
113 F	57	30	F = 0.0000	mk = 0.0271	1.0000	OSAKA
116 F	17	19	F = 0.0000	mk = 0.0148	1.0000	CRACID BC
119 M	27	25	F = 0.0000	mk = 0.0153	1.0000	BERLIN TP
120 M	78	64	F = 0.0625	mk = 0.0286	1.0000	BARABOO
126 F	27	30	F = 0.0000	mk = 0.0264	1.0000	BARABOO
128 F	67	42	F = 0.0000	mk = 0.0333	1.0000	OKA CRANE
131 F	79	45	F = 0.0625	mk = 0.0252	1.0000	BARABOO
135 F	79	45	F = 0.0625	mk = 0.0252	1.0000	CINCINNAT
137 M	78	64	F = 0.0625	mk = 0.0286	1.0000	BARABOO
138 F	18	4	F = 0.0000	mk = 0.0298	1.0000	KEOLADEO
140 F	18	4	F = 0.0000	mk = 0.0298	1.0000	KEOLADEO
142 F	73	75	F = 0.0000	mk = 0.0486	1.0000	CRACID BC
144 F	17	19	F = 0.0000	mk = 0.0124	1.0000	FRANKLINP
148 M	35	42	F = 0.0000	mk = 0.0271	1.0000	CAMBRON
149 M	33	42	F = 0.0000	mk = 0.0516	1.0000	CRACID BC
151 F	17	60	F = 0.0000	mk = 0.0164	1.0000	BARABOO

MEAN KINSHIP OF LIVING ANIMALS TO LIVING NON-FOUNDERS

Studbook	Sire	Dam	Inbreeding	Mean	kinship	Known	Location
154	F	40	86	F = 0.0000	mk = 0.0330	1.0000	OKA CRANE
163	M	73	75	F = 0.0000	mk = 0.0348	1.0000	CRACID BC
164	F	73	75	F = 0.0000	mk = 0.0340	1.0000	NOVOSIBRK
167	F	27	30	F = 0.0000	mk = 0.0251	1.0000	CRACID BC
179	F	78	64	F = 0.0625	mk = 0.0286	1.0000	ESTUDILLO
180	M	18	4	F = 0.0000	mk = 0.0298	1.0000	ESTUDILLO
182	F	WLD03	WLD01	F = 0.0000	mk = 0.0272	1.0000	TOKYOTAMA
183	F	WLD03	WLD01	F = 0.0000	mk = 0.0276	1.0000	TOKYOTAMA
190	F	82	89	F = 0.0000	mk = 0.0392	1.0000	RAMBOUILT
193	M	67	39	F = 0.0000	mk = 0.0068	1.0000	TURKEY
197	F	92	74	F = 0.0000	mk = 0.0285	1.0000	CRACID BC
201	F	27	30	F = 0.0000	mk = 0.0243	1.0000	ESTUDILLO
202	M	27	30	F = 0.0000	mk = 0.0243	1.0000	ESTUDILLO
214	F	82	89	F = 0.0000	mk = 0.0458	1.0000	CRACID BC
215	M	82	39	F = 0.0000	mk = 0.0198	1.0000	OKA CRANE
218	F	WLD216	WLD217	F = 0.0000	mk = 0.0076	1.0000	OKA CRANE
219	F	WLD216	WLD217	F = 0.0000	mk = 0.0066	1.0000	OKA CRANE
221	F	17	86	F = 0.0000	mk = 0.0219	1.0000	CRACID BC
223	F	62	182	F = 0.0000	mk = 0.0309	1.0000	TOKYOTAMA
226	F	82	89	F = 0.0000	mk = 0.0396	1.0000	OKA CRANE
233	F	67	42	F = 0.0000	mk = 0.0275	1.0000	RISKEN
234	M	33	68	F = 0.0000	mk = 0.0222	1.0000	CRACID BC
236	M	40	86	F = 0.0000	mk = 0.0314	1.0000	CRACID BC
247	F	85	97	F = 0.0000	mk = 0.0151	1.0000	MOSCOW
250	F	40	86	F = 0.0000	mk = 0.0318	1.0000	RISKEN
251	F	82	128	F = 0.0000	mk = 0.0341	1.0000	TALLIN
253	M	82	42	F = 0.0000	mk = 0.0384	1.0000	RISKEN
255	M	33	68	F = 0.0000	mk = 0.0202	1.0000	RISKEN
257	F	82	42	F = 0.0000	mk = 0.0384	1.0000	RAMBOUILT
258	M	73	75	F = 0.0000	mk = 0.0356	1.0000	TALLIN
259	M	40	86	F = 0.0000	mk = 0.0355	1.0000	CRACID BC
269	M	37	42	F = 0.0000	mk = 0.0292	1.0000	MOSCOW
270	M	82	89	F = 0.0000	mk = 0.0392	1.0000	RAMBOUILT
276	F	15	42	F = 0.0000	mk = 0.0244	1.0000	CRACID BC
277	F	78	64	F = 0.0625	mk = 0.0286	1.0000	CRACID BC
284	F	17	60	F = 0.0000	mk = 0.0164	1.0000	BARABOO
285	M	52	47	F = 0.0000	mk = 0.0234	1.0000	CRACID BC
286	M	52	74	F = 0.0000	mk = 0.0136	1.0000	CRACID BC
287	F	52	142	F = 0.0000	mk = 0.0346	1.0000	CRACID BC
290	M	149	142	F = 0.0000	mk = 0.0509	1.0000	CRACID BC
291	M	149	142	F = 0.0000	mk = 0.0517	1.0000	CRACID BC
292	F	79	126	F = 0.0000	mk = 0.0301	1.0000	CRACID BC
293	M	79	126	F = 0.0000	mk = 0.0285	1.0000	BARABOO
298	F	63	182	F = 0.0000	mk = 0.0251	1.0000	TOKYOTAMA
300	F	62	182	F = 0.0000	mk = 0.0309	1.0000	TOKYOTAMA
302	F	62	183	F = 0.0000	mk = 0.0311	1.0000	TOKYOTAMA
304	M	62	31	F = 0.0000	mk = 0.0182	1.0000	HIRAKAWA
307	F	82	128	F = 0.0000	mk = 0.0358	1.0000	CRACID BC
308	M	73	75	F = 0.0000	mk = 0.0369	1.0000	CRACID BC
319	M	15	219	F = 0.0000	mk = 0.0056	1.0000	CRACID BC
321	F	62	182	F = 0.0000	mk = 0.0309	1.0000	SENDAISHI
324	F	61	142	F = 0.0000	mk = 0.0416	1.0000	CRACID BC
325	F	149	142	F = 0.0000	mk = 0.0509	1.0000	CRACID BC
326	F	149	74	F = 0.0000	mk = 0.0340	1.0000	CRACID BC
327	F	61	142	F = 0.0000	mk = 0.0416	1.0000	CRACID BC
328	F	149	74	F = 0.0000	mk = 0.0340	1.0000	CRACID BC
329	F	149	74	F = 0.0000	mk = 0.0340	1.0000	CRACID BC
330	M	149	142	F = 0.0000	mk = 0.0509	1.0000	CRACID BC
339	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YANCHENG
340	M	WILD	WILD	F = 0.0000	mk = 0.0008	1.0000	BEIJING
341	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BEIJING
342	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOPEI
343	F	WILD	WILD	F = 0.0000	mk = 0.0008	1.0000	HOPEI

MEAN KINSHIP OF LIVING ANIMALS TO LIVING NON-FOUNDERS

Studbook	Sire	Dam	Inbreeding	Mean	kinship	Known	Location
344 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	XUZHOU	
345 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	XUZHOU	
347 M	WLDCO3	WLDCO1	F = 0.0000	mk = 0.0264	1.0000	BEIJING	
348 F	WLDCO3	WLDCO1	F = 0.0000	mk = 0.0264	1.0000	BEIJING	
349 F	WLDCO3	WLDCO1	F = 0.0000	mk = 0.0259	1.0000	BEIJING	
351 M	WILD	WILD	F = 0.0000	mk = 0.0231	1.0000	BEIJING	
353 F	WLDCO3	WLDCO1	F = 0.0000	mk = 0.0272	1.0000	BEIJING	
354 F	WLDCO3	WLDCO1	F = 0.0000	mk = 0.0251	1.0000	BEIJING	
355 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BEIJING	
356 F	WLDCO3	WLDCO1	F = 0.0000	mk = 0.0292	1.0000	BEIJING	
357 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HARBIN	
358 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	ZHALONG	
359 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NANCHANG	
360 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	ZHALONG	
361 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	XUZHOU	
362 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOPEI	
364 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOPEI	
365 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HUANGSHAN	
368 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOPEI	
369 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SHANGHAI	
370 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HARBIN	
371 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BEIJING	
374 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	QINHUANGD	
376 F	PLDCO4	WLDCO4	F = 0.0000	mk = 0.0082	0.5000	BEIJING	
379 M	351	356	F = 0.0000	mk = 0.0270	1.0000	BEIJING	
380 F	351	353	F = 0.0000	mk = 0.0259	1.0000	HARBIN	
381 F	351	356	F = 0.0000	mk = 0.0270	1.0000	BEIJING	
382 F	347	WLDCO4	F = 0.0000	mk = 0.0177	1.0000	NANJING	
383 F	351	354	F = 0.0000	mk = 0.0249	1.0000	BEIJING	
385 F	340	356	F = 0.0000	mk = 0.0159	1.0000	NANJING	
387 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NANCHANG	
388 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HARBIN	
390 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HARBIN	
391 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HARBIN	
393 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SHENYANG	
394 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SHENYANG	
400 F	79	126	F = 0.0000	mk = 0.0285	1.0000	BARABOO	
402 M	87	94	F = 0.0000	mk = 0.0327	1.0000	CRACID BC	
404 F	148	121	F = 0.0000	mk = 0.0292	1.0000	CAMBRON	
405 M	35	99	F = 0.0000	mk = 0.0217	1.0000	MOSCOW	
413 F	82	128	F = 0.0000	mk = 0.0329	1.0000	CRACID BC	
416 M	73	75	F = 0.0000	mk = 0.0356	1.0000	CRACID BC	
417 F	82	89	F = 0.0000	mk = 0.0396	1.0000	CRACID BC	
421 M	P42	42	F = 0.0000	mk = 0.0463	0.5000	OKA CRANE	
423 F	82	128	F = 0.0000	mk = 0.0329	1.0000	CRACID BC	
425 M	82	89	F = 0.0000	mk = 0.0408	1.0000	CRACID BC	
426 M	215	218	F = 0.0000	mk = 0.0153	1.0000	CRACID BC	
429 U	351	353	F = 0.0000	mk = 0.0259	1.0000	BEIJING	
435 U	351	353	F = 0.0000	mk = 0.0259	1.0000	NANNING	
437 U	351	356	F = 0.0000	mk = 0.0270	1.0000	SHANHAIGU	
438 M	62	182	F = 0.0000	mk = 0.0309	1.0000	TOKYOTAMA	
440 M	62	183	F = 0.0000	mk = 0.0320	1.0000	TOKYOTAMA	
441 F	62	183	F = 0.0000	mk = 0.0311	1.0000	TOKYOTAMA	
442 F	62	183	F = 0.0000	mk = 0.0311	1.0000	TOKYOTAMA	
443 F	149	142	F = 0.0000	mk = 0.0509	1.0000	CRACID BC	
444 F	27	74	F = 0.0000	mk = 0.0200	1.0000	CRACID BC	
446 M	27	74	F = 0.0000	mk = 0.0200	1.0000	CRACID BC	
448 M	P31	31	F = 0.0000	mk = 0.0025	0.5000	HIGASHI M	
450 M	111	47	F = 0.0000	mk = 0.0255	1.0000	CRACID BC	
451 F	148	121	F = 0.0000	mk = 0.0292	1.0000	CAMBRON	
453 M	111	47	F = 0.0000	mk = 0.0235	1.0000	CRACID BC	
479 F	73	75	F = 0.0000	mk = 0.0340	1.0000	TASHKENT	
484 M	149	142	F = 0.0000	mk = 0.0509	1.0000	CRACID BC	

MEAN KINSHIP OF LIVING ANIMALS TO LIVING NON-FOUNDERS

Studbook	Sire	Dam	Inbreeding	Mean	kinship	Known	Location
486 M	259	287	F = 0.0000	mk = 0.0359	1.0000	CRACID BC	
487 F	259	287	F = 0.0000	mk = 0.0359	1.0000	CRACID BC	
488 M	149	74	F = 0.0000	mk = 0.0340	1.0000	CRACID BC	
489 M	163	74	F = 0.0000	mk = 0.0256	1.0000	CRACID BC	
490 M	27	116	F = 0.0000	mk = 0.0200	1.0000	CRACID BC	
491 M	149	142	F = 0.0000	mk = 0.0509	1.0000	CRACID BC	
493 U	366	343	F = 0.0000	mk = 0.0016	1.0000	HOPEI	
494 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOPEI	
495 F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOPEI	
496 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOPEI	
497 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YANCHENG	
498 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOPEI	
499 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BEIJING	
502 F	82	128	F = 0.0000	mk = 0.0325	1.0000	OKA CRANE	
505 M	73	75	F = 0.0000	mk = 0.0340	1.0000	OKA CRANE	
509 M	37	42	F = 0.0000	mk = 0.0280	1.0000	OKA CRANE	
510 F	73	75	F = 0.0000	mk = 0.0340	1.0000	OKA CRANE	
518 M	85	42	F = 0.0000	mk = 0.0261	1.0000	TASHKENT	
522 F	215	218	F = 0.0000	mk = 0.0145	1.0000	OKA CRANE	
525 M	259	287	F = 0.0000	mk = 0.0359	1.0000	CRACID BC	
526 F	149	142	F = 0.0000	mk = 0.0509	1.0000	CRACID BC	
527 M	149	142	F = 0.0000	mk = 0.0509	1.0000	CRACID BC	
528 F	27	74	F = 0.0000	mk = 0.0200	1.0000	CRACID BC	
529 F	27	214	F = 0.0000	mk = 0.0359	1.0000	CRACID BC	
530 F	27	214	F = 0.0000	mk = 0.0367	1.0000	CRACID BC	
531 F	149	74	F = 0.0000	mk = 0.0344	1.0000	CRACID BC	
532 F	149	30	F = 0.0000	mk = 0.0384	1.0000	CRACID BC	
533 M	27	214	F = 0.0000	mk = 0.0371	1.0000	CRACID BC	
534 F	149	142	F = 0.0000	mk = 0.0509	1.0000	CRACID BC	
535 M	259	287	F = 0.0000	mk = 0.0359	1.0000	CRACID BC	
536 M	149	142	F = 0.0000	mk = 0.0509	1.0000	CRACID BC	
537 M	259	287	F = 0.0000	mk = 0.0359	1.0000	CRACID BC	
538 M	57	30	F = 0.0000	mk = 0.0271	1.0000	CRACID BC	
540 F	27	74	F = 0.0000	mk = 0.0208	1.0000	CRACID BC	
541 F	57	30	F = 0.0000	mk = 0.0271	1.0000	CRACID BC	
542 M	63	183	F = 0.0000	mk = 0.0245	1.0000	TOKYOTAMA	
543 M	63	183	F = 0.0000	mk = 0.0245	1.0000	SENDAISHI	
544 M	35	99	F = 0.0000	mk = 0.0217	1.0000	KALININGR	
547 M	347	WLDCO4	F = 0.0000	mk = 0.0177	1.0000	HARBIN	
548 U	347	WLDCO4	F = 0.0000	mk = 0.0177	1.0000	NANNING	
550 U	351	WLDCO4	F = 0.0000	mk = 0.0161	1.0000	XIAN	
551 F	351	348	F = 0.0000	mk = 0.0255	1.0000	SHANGHAIZ	
554 F	351	348	F = 0.0000	mk = 0.0255	1.0000	XIAN	
557 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	ZHALONG	
558 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOPEI	
559 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOPEI	
574 M	269	247	F = 0.0000	mk = 0.0230	1.0000	ANAPA	
575 F	269	247	F = 0.0000	mk = 0.0230	1.0000	ANAPA	
578 U	351	WLDCO4	F = 0.0000	mk = 0.0161	1.0000	BAOTING	
579 F	351	356	F = 0.0000	mk = 0.0270	1.0000	BAOTING	
580 U	351	356	F = 0.0000	mk = 0.0270	1.0000	BAOTING	
583 U	351	356	F = 0.0000	mk = 0.0270	1.0000	BAOTING	
585 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CHANGCHUN	
589 M	35	99	F = 0.0000	mk = 0.0217	1.0000	ROEVRUCHI	
591 M	27	142	F = 0.0000	mk = 0.0369	1.0000	CRACID BC	
592 M	163	167	F = 0.0000	mk = 0.0308	1.0000	CRACID BC	
593 F	52	214	F = 0.0000	mk = 0.0287	1.0000	CRACID BC	
595 F	149	30	F = 0.0000	mk = 0.0384	1.0000	CRACID BC	
597 F	425	167	F = 0.0000	mk = 0.0338	1.0000	CRACID BC	
598 M	416	142	F = 0.2500	mk = 0.0429	1.0000	CRACID BC	
599 M	149	142	F = 0.0000	mk = 0.0509	1.0000	CRACID BC	
600 M	95	104	F = 0.1250	mk = 0.0283	1.0000	WALSRODE	
602 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BEIJING	

MEAN KINSHIP OF LIVING ANIMALS TO LIVING NON-FOUNDERS

Studbook	Sire	Dam	Inbreeding	Mean	kinship	Known	Location
605 U	351	WLDCO4	F = 0.0000	mk = 0.0161	1.0000	SHIH CHIA	
606 U	351	348	F = 0.0000	mk = 0.0255	1.0000	SHIH CHIA	
607 U	351	349	F = 0.0000	mk = 0.0253	1.0000	SHIH CHIA	
608 U	351	356	F = 0.0000	mk = 0.0270	1.0000	SHIH CHIA	
609 U	351	348	F = 0.0000	mk = 0.0255	1.0000	SHIH CHIA	
610 U	351	349	F = 0.0000	mk = 0.0253	1.0000	SHIH CHIA	
611 U	351	WLDCO4	F = 0.0000	mk = 0.0161	1.0000	SHIH CHIA	
612 U	351	349	F = 0.0000	mk = 0.0253	1.0000	SHIH CHIA	
613 U	351	353	F = 0.0000	mk = 0.0259	1.0000	SHIH CHIA	
614 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YANCHENG	
616 M	149	110	F = 0.0000	mk = 0.0408	1.0000	CRACID BC	
617 F	149	110	F = 0.0000	mk = 0.0408	1.0000	WALSRODE	
620 M	255	250	F = 0.0000	mk = 0.0268	1.0000	RISKEN	
623 F	UNK	UNK			0.0000	UARAB EM	
624 M	UNK	UNK			0.0000	CRACID BC	
625 F	UNK	UNK			0.0000	CRACID BC	
626 F	UNK	UNK			0.0000	CRACID BC	
627 M	UNK	UNK			0.0000	KOLN	
628 M	UNK	UNK			0.0000	ALBUSTAN	
629 F	149	P149	F = 0.0000	mk = 0.0524	0.5000	CRACID BC	
630 F	UNK	UNK			0.0000	CRACID BC	
631 F	UNK	UNK			0.0000	KOLN	
632 F	UNK	UNK			0.0000	ALBUSTAN	
633 M	UNK	UNK			0.0000	CRACID BC	
634 M	UNK	UNK			0.0000	UARAB EM	
635 F	149	P149	F = 0.0000	mk = 0.0528	0.5000	CRACID BC	
636 M	35	99	F = 0.0000	mk = 0.0217	1.0000	OSTRAVA	
637 F	269	247	F = 0.0000	mk = 0.0230	1.0000	ROEVRUCHI	
639 U	347	WLDCO4	F = 0.0000	mk = 0.0177	1.0000	BEIJING	
642 M	73	75	F = 0.0000	mk = 0.0340	1.0000	IRAN	
643 F	37	42	F = 0.0000	mk = 0.0280	1.0000	KALININGR	
645 M	P219	219	F = 0.0000	mk = 0.0074	0.5000	NOVOSIBRK	
646 M	82	128	F = 0.0000	mk = 0.0325	1.0000	OKA CRANE	
651 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YANCHENG	
652 M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SHANGHAIZ	
653 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SHANGHAIZ	
655 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NANCHANG	
656 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NANCHANG	
657 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	JIANGNAN	
658 U	351	353	F = 0.0000	mk = 0.0259	1.0000	BEIJING	
659 U	351	356	F = 0.0000	mk = 0.0270	1.0000	XIXIAKOU	
660 U	351	356	F = 0.0000	mk = 0.0270	1.0000	XIXIAKOU	
661 M	234	214	F = 0.0625	mk = 0.0348	1.0000	CRACID BC	
662 M	425	74	F = 0.0000	mk = 0.0287	1.0000	CRACID BC	
663 M	319	142	F = 0.0000	mk = 0.0279	1.0000	CRACID BC	
664 F	425	142	F = 0.0000	mk = 0.0455	1.0000	CRACID BC	
665 F	425	142	F = 0.0000	mk = 0.0455	1.0000	CRACID BC	
666 M	402	214	F = 0.0000	mk = 0.0400	1.0000	CRACID BC	
667 F	285	142	F = 0.0000	mk = 0.0368	1.0000	CRACID BC	
668 F	402	214	F = 0.0000	mk = 0.0400	1.0000	CRACID BC	
669 M	27	142	F = 0.0000	mk = 0.0369	1.0000	CRACID BC	
670 M	259	287	F = 0.0000	mk = 0.0359	1.0000	CRACID BC	
671 F	285	116	F = 0.0000	mk = 0.0199	1.0000	CRACID BC	
672 F	27	413	F = 0.0000	mk = 0.0290	1.0000	CRACID BC	
674 F	35	99	F = 0.0000	mk = 0.0217	1.0000	OSTRAVA	
675 M	119	110	F = 0.0000	mk = 0.0226	1.0000	KOY P	
677 M	119	94	F = 0.0000	mk = 0.0235	1.0000	KOY P	
683 M	82	128	F = 0.0000	mk = 0.0325	1.0000	OKA CRANE	
684 F	95	104	F = 0.1250	mk = 0.0283	1.0000	WALSRODE	
686 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CHANGCHUN	
687 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CHANGCHUN	
688 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YANCHENG	
689 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	GANTANG	

MEAN KINSHIP OF LIVING ANIMALS TO LIVING NON-FOUNDERS

Studbook	Sire	Dam	Inbreeding	Mean	kinship	Known	Location
690 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YANCHENG	
691 U	351	353	F = 0.0000	mk = 0.0259	1.0000	BEIJING	
701 F	149	74	F = 0.0000	mk = 0.0340	1.0000	CRACID BC	
702 F	61	116	F = 0.0000	mk = 0.0247	1.0000	UARAB EM	
703 F	450	116	F = 0.1250	mk = 0.0210	1.0000	ALBUSTAN	
704 M	234	214	F = 0.0625	mk = 0.0348	1.0000	UARAB EM	
705 F	234	74	F = 0.0000	mk = 0.0194	1.0000	CRACID BC	
706 M	92	142	F = 0.0000	mk = 0.0454	1.0000	UARAB EM	
707 F	234	214	F = 0.0625	mk = 0.0348	1.0000	UARAB EM	
708 M	234	214	F = 0.0625	mk = 0.0348	1.0000	ALBUSTAN	
709 F	P30	30	F = 0.0000	mk = 0.0243	0.5000	ALBUSTAN	
710 M	27	74	F = 0.0000	mk = 0.0200	1.0000	ALBUSTAN	
711 F	UNK	UNK			0.0000	TOKYOTAMA	
712 M	258	251	F = 0.0000	mk = 0.0357	1.0000	TALLIN	
713 U	111	47	F = 0.0000	mk = 0.0235	1.0000	CAMBRON	
714 U	111	47	F = 0.0000	mk = 0.0235	1.0000	CAMBRON	
715 M	85	97	F = 0.0000	mk = 0.0139	1.0000	CHOMUTOV	
716 F	85	154	F = 0.0000	mk = 0.0200	1.0000	YAROSLAVZ	
717 M	215	218	F = 0.0000	mk = 0.0145	1.0000	ANAPA	
718 F	33	68	F = 0.0000	mk = 0.0198	1.0000	ANAPA	
719 F	421	75	F = 0.0000	mk = 0.0386	0.7500	CHOMUTOV	
723 M	258	251	F = 0.0000	mk = 0.0357	1.0000	TALLIN	
724 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BERLINZOO	
727 F	440	298	F = 0.0625	mk = 0.0294	1.0000	TOKYOTAMA	
730 M	215	218	F = 0.0000	mk = 0.0145	1.0000	GARAN EC	
734 F	33	154	F = 0.0000	mk = 0.0336	1.0000	GARAN EC	
738 M	37	42	F = 0.0000	mk = 0.0280	1.0000	YAROSLAVZ	
740 M	109	144	F = 0.0000	mk = 0.0195	1.0000	CINCINNAT	
751 F	259	307	F = 0.0000	mk = 0.0365	1.0000	CRACID BC	
752 M	402	214	F = 0.0000	mk = 0.0400	1.0000	CRACID BC	
753 M	402	142	F = 0.0000	mk = 0.0415	1.0000	CRACID BC	
754 F	533	287	F = 0.0000	mk = 0.0367	1.0000	CRACID BC	
755 F	259	531	F = 0.0000	mk = 0.0358	1.0000	CRACID BC	
756 F	624	307	F = 0.0000	mk = 0.0366	0.5000	CRACID BC	
757 F	450	116	F = 0.1250	mk = 0.0210	1.0000	CRACID BC	
758 F	533	287	F = 0.0000	mk = 0.0367	1.0000	CRACID BC	
759 F	416	30	F = 0.0000	mk = 0.0304	1.0000	CRACID BC	
760 M	402	142	F = 0.0000	mk = 0.0415	1.0000	CRACID BC	
761 M	234	214	F = 0.0625	mk = 0.0348	1.0000	CRACID BC	
762 M	308	307	F = 0.0000	mk = 0.0372	1.0000	CRACID BC	
763 F	426	142	F = 0.0000	mk = 0.0328	1.0000	CRACID BC	
764 M	426	287	F = 0.0000	mk = 0.0258	1.0000	CRACID BC	
765 M	149	529	F = 0.0625	mk = 0.0446	1.0000	CRACID BC	
766 F	450	116	F = 0.1250	mk = 0.0210	1.0000	CRACID BC	
767 M	402	307	F = 0.0000	mk = 0.0351	1.0000	CRACID BC	
768 U	416	142	F = 0.2500	mk = 0.0429	1.0000	CRACID BC	
769 M	308	292	F = 0.0000	mk = 0.0343	1.0000	CRACID BC	
770 F	291	530	F = 0.0313	mk = 0.0450	1.0000	CRACID BC	
771 M	402	307	F = 0.0000	mk = 0.0351	1.0000	CRACID BC	
772 M	308	292	F = 0.0000	mk = 0.0343	1.0000	CRACID BC	
773 F	450	116	F = 0.1250	mk = 0.0210	1.0000	CRACID BC	
774 F	450	221	F = 0.0625	mk = 0.0246	1.0000	CRACID BC	
775 M	533	530	F = 0.2500	mk = 0.0377	1.0000	CRACID BC	
776 F	533	287	F = 0.0000	mk = 0.0367	1.0000	CRACID BC	
777 F	285	116	F = 0.0000	mk = 0.0199	1.0000	CRACID BC	
778 M	285	292	F = 0.0000	mk = 0.0276	1.0000	CRACID BC	
779 M	259	287	F = 0.0000	mk = 0.0359	1.0000	CRACID BC	
780 M	402	417	F = 0.0000	mk = 0.0370	1.0000	CRACID BC	
781 U	351	356	F = 0.0000	mk = 0.0270	1.0000	BEIJING	
783 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	ZHALONG	
784 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PANJINZOO	
785 M	UNK	UNK			0.0000	TONGLING	
786 F	UNK	UNK			0.0000	TONGLING	

MEAN KINSHIP OF LIVING ANIMALS TO LIVING NON-FOUNDERS

Studbook	Sire	Dam	Inbreeding	Mean	kinship	Known	Location
787 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	TONGLING	
788 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	TONGLING	
789 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	TONGLING	
790 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	TONGLING	
791 U	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	TONGLING	
801 M	109	144	F = 0.0000	mk = 0.0195	1.0000	FRANKLINP	
807 M	33	226	F = 0.1250	mk = 0.0369	1.0000	OKA CRANE	
811 F	85	154	F = 0.0000	mk = 0.0200	1.0000	OKA CRANE	
812 F	33	154	F = 0.0000	mk = 0.0336	1.0000	OKA CRANE	
814 U	440	298	F = 0.0625	mk = 0.0294	1.0000	TOKYOTAMA	
815 M	258	251	F = 0.0000	mk = 0.0357	1.0000	TALLIN	
816 M	258	251	F = 0.0000	mk = 0.0357	1.0000	TALLIN	
817 M	286	423	F = 0.0000	mk = 0.0241	1.0000	CRACID BC	
818 F	149	540	F = 0.0000	mk = 0.0370	1.0000	CRACID BC	
819 F	308	307	F = 0.0000	mk = 0.0372	1.0000	CRACID BC	
820 M	402	142	F = 0.0000	mk = 0.0415	1.0000	CRACID BC	
821 F	416	30	F = 0.0000	mk = 0.0304	1.0000	CRACID BC	
822 F	291	530	F = 0.0313	mk = 0.0450	1.0000	CRACID BC	
823 M	402	142	F = 0.0000	mk = 0.0415	1.0000	CRACID BC	
824 F	308	635	F = 0.0000	mk = 0.0430	0.7500	CRACID BC	
825 M	149	540	F = 0.0000	mk = 0.0370	1.0000	CRACID BC	
826 F	308	307	F = 0.0000	mk = 0.0372	1.0000	CRACID BC	
827 F	259	292	F = 0.0938	mk = 0.0336	1.0000	CRACID BC	
828 F	308	307	F = 0.0000	mk = 0.0372	1.0000	CRACID BC	
WILD6 M	WILD	WILD	F = 0.0000	mk = 0.0095	1.0000	WILD	
WILD7 F	WILD	WILD	F = 0.0000	mk = 0.0095	1.0000	WILD	
WILD8 M	WILD	WILD	F = 0.0000	mk = 0.0117	1.0000	WILD	
WILD9 F	WILD	WILD	F = 0.0000	mk = 0.0117	1.0000	WILD	
WILD10 M	WILD	WILD	F = 0.0000	mk = 0.0167	1.0000	WILD	
WLD216 M	WILD	WILD	F = 0.0000	mk = 0.0047	1.0000	KUNOVAT	
WLD217 F	WILD	WILD	F = 0.0000	mk = 0.0047	1.0000	KUNOVAT	
WLDCO3 M	WILD	WILD	F = 0.0000	mk = 0.0239	1.0000	BEIJING	
WLDCO4 F	WILD	WILD	F = 0.0000	mk = 0.0074	1.0000	BEIJING	

ORDERED LISTS OF MEAN KINSHIP BY SEX:

Rank	MALES MK	Age	Known		FEMALES MK	Age	Known		UNKNOWNNS MK	Age	Known			
1	557	.0000	98	1.00	ZHALO	339	.0000	30	1.00	YANCH	602	.0000	98	1.00
2	614	.0000	98	1.00	YANCH	355	.0000	18	1.00	BEIJI	657	.0000	98	1.00
3	341	.0000	24	1.00	BEIJI	362	.0000	17	1.00	HOPEI	688	.0000	98	1.00
4	342	.0000	22	1.00	HOPEI	364	.0000	16	1.00	HOPEI	689	.0000	98	1.00
5	357	.0000	18	1.00	HARBI	370	.0000	15	1.00	HARBI	724	.0000	98	1.00
6	358	.0000	17	1.00	ZHALO	369	.0000	15	1.00	SHANG	783	.0000	98	1.00
7	359	.0000	17	1.00	NANCH	494	.0000	14	1.00	HOPEI	787	.0000	98	1.00
8	360	.0000	17	1.00	ZHALO	394	.0000	13	1.00	SHENY	788	.0000	98	1.00
9	365	.0000	16	1.00	HUANG	495	.0000	13	1.00	HOPEI	789	.0000	98	1.00
10	498	.0000	15	1.00	HOPEI	388	.0000	12	1.00	HARBI	790	.0000	98	1.00
11	368	.0000	15	1.00	HOPEI	390	.0000	12	1.00	HARBI	791	.0000	98	1.00
12	371	.0000	14	1.00	BEIJI	391	.0000	12	1.00	HARBI	344	.0000	21	1.00
13	393	.0000	14	1.00	SHENY	387	.0000	11	1.00	NANCH	345	.0000	21	1.00
14	497	.0000	13	1.00	YANCH	343	.0008	22	1.00	HOPEI	361	.0000	17	1.00
15	499	.0000	12	1.00	BEIJI	31	.0016	29	1.00	HIRAK	784	.0000	17	1.00
16	496	.0000	8	1.00	HOPEIWLD217	.0047	30	1.00	KUNOV	374	.0000	13	1.00	
17	652	.0000	5	1.00	SHANG	68	.0053	23	1.00	OKA C	655	.0000	10	1.00
18	340	.0008	25	1.00	BEIJI	219	.0065	13	1.00	OKA C	656	.0000	10	1.00
19	15	.0020	31	1.00	OKA CWLDCO4	.0074	27	1.00	BEIJI	585	.0000	8	1.00	
20	448	.0024	7	0.50	HIGAS	218	.0076	13	1.00	OKA C	558	.0000	7	1.00
21	WLD216	.0047	30	1.00	KUNOV	376	.0082	11	0.50	BEIJI	559	.0000	7	1.00
22	85	.0053	21	1.00	OKA C	WILD7	.0094	40	1.00	WILD	686	.0000	6	1.00
23	319	.0055	9	1.00	CRACI	WILD9	.0117	40	1.00	WILD	687	.0000	6	1.00
24	35	.0057	29	1.00	MOSCO	144	.0123	17	1.00	FRANK	651	.0000	5	1.00
25	193	.0067	15	1.00	TURKE	522	.0145	7	1.00	OKA C	653	.0000	5	1.00
26	645	.0074	5	0.50	NOVOS	74	.0148	23	1.00	CRACI	690	.0000	3	1.00
27	67	.0082	23	1.00	OKA C	116	.0148	18	1.00	CRACI	493	.0016	8	1.00
28	37	.0092	29	1.00	OKA C	247	.0150	12	1.00	MOSCO	578	.0160	8	1.00
29	WILD6	.0094	40	1.00	WILD	385	.0158	9	1.00	NANJI	550	.0160	7	1.00
30	WILD8	.0117	40	1.00	WILD	151	.0163	16	1.00	BARAB	605	.0160	6	1.00
31	286	.0135	12	1.00	CRACI	284	.0163	12	1.00	BARAB	611	.0160	6	1.00
32	715	.0138	3	1.00	CHOMU	28	.0175	29	1.00	CAMBR	548	.0177	7	1.00
33	717	.0145	3	1.00	ANAPA	382	.0177	10	1.00	NANJI	639	.0177	5	1.00
34	730	.0145	2	1.00	GARAN	705	.0193	3	1.00	CRACI	713	.0234	3	1.00
35	119	.0153	18	1.00	BERLI	718	.0197	3	1.00	ANAPA	714	.0234	3	1.00
36	426	.0153	8	1.00	CRACI	777	.0199	1	1.00	CRACI	607	.0253	6	1.00
37	WILD10	.0166	40	1.00	WILD	671	.0199	3	1.00	CRACI	610	.0253	6	1.00
38	102	.0172	19	1.00	RAMBO	444	.0199	9	1.00	CRACI	612	.0253	6	1.00
39	103	.0172	19	1.00	OSAKA	528	.0199	7	1.00	CRACI	606	.0255	6	1.00
40	547	.0177	7	1.00	HARBI	716	.0200	3	1.00	YAROS	609	.0255	6	1.00
41	304	.0181	9	1.00	HIRAK	811	.0200	1	1.00	OKA C	429	.0259	9	1.00
42	740	.0194	2	1.00	CINCI	97	.0206	19	1.00	OKA C	435	.0259	8	1.00
43	801	.0194	1	1.00	FRANK	540	.0207	7	1.00	CRACI	613	.0259	6	1.00
44	215	.0197	13	1.00	OKA C	703	.0210	3	1.00	ALBUS	658	.0259	4	1.00
45	63	.0197	24	1.00	TOKYO	757	.0210	2	1.00	CRACI	691	.0259	3	1.00
46	446	.0199	9	1.00	CRACI	766	.0210	2	1.00	CRACI	437	.0269	8	1.00
47	490	.0199	8	1.00	CRACI	773	.0210	1	1.00	CRACI	580	.0269	8	1.00
48	710	.0199	2	1.00	ALBUS	674	.0217	4	1.00	OSTRA	583	.0269	7	1.00
49	255	.0201	11	1.00	RISKE	221	.0219	14	1.00	CRACI	608	.0269	6	1.00
50	405	.0217	8	1.00	MOSCO	575	.0229	6	1.00	ANAPA	659	.0269	4	1.00
51	544	.0217	7	1.00	KALIN	637	.0229	5	1.00	ROEVR	660	.0269	4	1.00
52	589	.0217	6	1.00	ROEVR	30	.0234	29	1.00	CRACI	781	.0269	1	1.00
53	636	.0217	5	1.00	OSTRA	201	.0242	14	1.00	ESTUD	814	.0293	1	1.00
54	234	.0222	12	1.00	CRACI	709	.0242	2	0.50	ALBUS	768	.0429	2	1.00
55	675	.0226	4	1.00	KOOY	276	.0244	11	1.00	CRACI				
56	574	.0229	6	1.00	ANAPA	774	.0245	1	1.00	CRACI				
57	351	.0230	19	1.00	BEIJI	702	.0247	3	1.00	UARAB				
58	285	.0233	11	1.00	CRACI	383	.0249	10	1.00	BEIJI				
59	677	.0234	4	1.00	KOOY	354	.0251	18	1.00	BEIJI				
60	27	.0234	29	1.00	CRACI	167	.0251	16	1.00	CRACI				
61	453	.0234	8	1.00	CRACI	298	.0251	13	1.00	TOKYO				
62	WLDCO3	.0238	27	1.00	BEIJI	131	.0252	17	1.00	BARAB				
63	817	.0240	1	1.00	CRACI	135	.0252	17	1.00	CINCI				

ORDERED LISTS OF MEAN KINSHIP BY SEX:

Rank	MALES MK	Age	Known		FEMALES MK	Age	Known		UNKNOWNNS MK	Age	Known
64	107	.0241	18	1.00	BARAB	551	.0255	7	1.00	SHANG	
65	78	.0241	23	1.00	BARAB	554	.0255	7	1.00	XIAN	
66	202	.0242	13	1.00	ESTUD	349	.0259	19	1.00	BEIJI	
67	542	.0245	6	1.00	TOKYO	380	.0259	10	1.00	HARBI	
68	543	.0245	6	1.00	SENDA	348	.0263	20	1.00	BEIJI	
69	109	.0249	18	1.00	FRANK	126	.0263	18	1.00	BARAB	
70	95	.0251	19	1.00	WALSR	381	.0269	10	1.00	BEIJI	
71	87	.0254	21	1.00	BERLI	579	.0269	8	1.00	BAOTI	
72	450	.0255	8	1.00	CRACI	113	.0270	18	1.00	OSAKA	
73	489	.0256	8	1.00	CRACI	541	.0270	6	1.00	CRACI	
74	764	.0257	2	1.00	CRACI	182	.0271	20	1.00	TOKYO	
75	518	.0260	7	1.00	TASHK	353	.0271	18	1.00	BEIJI	
76	347	.0263	20	1.00	BEIJI	233	.0274	12	1.00	RISKE	
77	18	.0266	31	1.00	BARAB	183	.0275	19	1.00	TOKYO	
78	620	.0268	5	1.00	RISKE	643	.0280	5	1.00	KALIN	
79	379	.0269	10	1.00	BEIJI	110	.0282	18	1.00	BERLI	
80	538	.0270	7	1.00	CRACI	684	.0283	4	1.00	WALSR	
81	148	.0270	17	1.00	CAMBR	86	.0283	21	1.00	BARAB	
82	778	.0275	1	1.00	CRACI	400	.0284	9	1.00	BARAB	
83	663	.0279	4	1.00	CRACI	197	.0284	14	1.00	CRACI	
84	509	.0280	7	1.00	OKA C	179	.0286	15	1.00	ESTUD	
85	738	.0280	1	1.00	YAROS	277	.0286	11	1.00	CRACI	
86	600	.0283	6	1.00	WALSR	593	.0286	6	1.00	CRACI	
87	293	.0284	11	1.00	BARAB	672	.0290	3	1.00	CRACI	
88	120	.0286	18	1.00	BARAB	356	.0292	17	1.00	BEIJI	
89	137	.0286	17	1.00	BARAB	404	.0292	9	1.00	CAMBR	
90	662	.0286	4	1.00	CRACI	451	.0292	8	1.00	CAMBR	
91	79	.0289	23	1.00	BARAB	727	.0293	2	1.00	TOKYO	
92	57	.0289	26	1.00	CRACI	138	.0297	17	1.00	KEOLA	
93	269	.0292	11	1.00	MOSCO	140	.0297	17	1.00	KEOLA	
94	58	.0297	26	1.00	BARAB	104	.0298	19	1.00	WALSR	
95	180	.0297	15	1.00	ESTUD	94	.0299	19	1.00	BERLI	
96	82	.0300	27	1.00	OKA C	292	.0301	11	1.00	CRACI	
97	592	.0307	6	1.00	CRACI	759	.0303	2	1.00	CRACI	
98	438	.0309	9	1.00	TOKYO	821	.0303	1	1.00	CRACI	
99	236	.0313	13	1.00	CRACI	223	.0309	14	1.00	TOKYO	
100	440	.0319	9	1.00	TOKYO	300	.0309	12	1.00	TOKYO	
101	646	.0324	5	1.00	OKA C	321	.0309	10	1.00	SENDA	
102	683	.0324	3	1.00	OKA C	302	.0311	12	1.00	TOKYO	
103	33	.0325	29	1.00	OKA C	441	.0311	9	1.00	TOKYO	
104	402	.0326	9	1.00	CRACI	442	.0311	9	1.00	TOKYO	
105	40	.0326	29	1.00	BARAB	64	.0314	24	1.00	BARAB	
106	73	.0327	23	1.00	OKA C	250	.0317	12	1.00	RISKE	
107	61	.0329	25	1.00	CRACI	47	.0319	18	1.00	CAMBR	
108	505	.0339	7	1.00	OKA C	502	.0324	7	1.00	OKA C	
109	642	.0339	5	1.00	IRAN	763	.0327	2	1.00	CRACI	
110	488	.0340	8	1.00	CRACI	423	.0329	9	1.00	CRACI	
111	769	.0343	2	1.00	CRACI	413	.0329	9	1.00	CRACI	
112	772	.0343	1	1.00	CRACI	154	.0330	16	1.00	OKA C	
113	163	.0348	16	1.00	CRACI	128	.0332	17	1.00	OKA C	
114	661	.0348	4	1.00	CRACI	75	.0335	23	1.00	OKA C	
115	704	.0348	3	1.00	UARAB	734	.0335	2	1.00	GARAN	
116	708	.0348	2	1.00	ALBUS	812	.0335	1	1.00	OKA C	
117	761	.0348	2	1.00	CRACI	827	.0336	1	1.00	CRACI	
118	771	.0350	2	1.00	CRACI	597	.0338	6	1.00	CRACI	
119	767	.0350	2	1.00	CRACI	164	.0339	16	1.00	NOVOS	
120	259	.0354	12	1.00	CRACI	479	.0339	7	1.00	TASHK	
121	258	.0356	11	1.00	TALLI	510	.0339	7	1.00	OKA C	
122	416	.0356	9	1.00	CRACI	326	.0340	10	1.00	CRACI	
123	723	.0357	1	1.00	TALLI	328	.0340	10	1.00	CRACI	
124	815	.0357	1	1.00	TALLI	329	.0340	10	1.00	CRACI	
125	816	.0357	1	1.00	TALLI	701	.0340	3	1.00	CRACI	
126	712	.0357	3	1.00	TALLI	251	.0341	11	1.00	TALLI	

ORDERED LISTS OF MEAN KINSHIP BY SEX:

Rank	MALES MK	Age	Known		FEMALES MK	Age	Known		UNKNOWNNS MK	Age	Known
127	486	.0358	8	1.00	CRACI	531	.0344	7	1.00	CRACI	
128	525	.0358	7	1.00	CRACI	287	.0345	12	1.00	CRACI	
129	535	.0358	7	1.00	CRACI	707	.0348	3	1.00	UARAB	
130	537	.0358	7	1.00	CRACI	307	.0357	10	1.00	CRACI	
131	670	.0358	4	1.00	CRACI	755	.0357	2	1.00	CRACI	
132	779	.0358	1	1.00	CRACI	487	.0358	8	1.00	CRACI	
133	308	.0368	10	1.00	CRACI	529	.0358	7	1.00	CRACI	
134	591	.0368	6	1.00	CRACI	99	.0360	19	1.00	MOSCO	
135	669	.0368	4	1.00	CRACI	751	.0364	2	1.00	CRACI	
136	807	.0368	1	1.00	OKA C	756	.0366	2	0.50	CRACI	
137	780	.0369	1	1.00	CRACI	754	.0366	2	1.00	CRACI	
138	825	.0370	1	1.00	CRACI	758	.0366	2	1.00	CRACI	
139	533	.0370	7	1.00	CRACI	776	.0366	1	1.00	CRACI	
140	762	.0371	2	1.00	CRACI	530	.0366	7	1.00	CRACI	
141	775	.0377	1	1.00	CRACI	667	.0368	4	1.00	CRACI	
142	253	.0384	11	1.00	RISKE	818	.0370	1	1.00	CRACI	
143	270	.0391	11	1.00	RAMBO	826	.0371	1	1.00	CRACI	
144	666	.0400	4	1.00	CRACI	828	.0371	0	1.00	CRACI	
145	752	.0400	2	1.00	CRACI	819	.0371	1	1.00	CRACI	
146	92	.0404	19	1.00	CRACI	532	.0383	7	1.00	CRACI	
147	616	.0407	5	1.00	CRACI	595	.0383	6	1.00	CRACI	
148	425	.0408	9	1.00	CRACI	257	.0384	11	1.00	RAMBO	
149	753	.0414	2	1.00	CRACI	719	.0386	3	0.75	CHOMU	
150	760	.0414	2	1.00	CRACI	190	.0391	15	1.00	RAMBO	
151	820	.0414	1	1.00	CRACI	226	.0395	12	1.00	OKA C	
152	823	.0414	1	1.00	CRACI	417	.0395	9	1.00	CRACI	
153	598	.0429	5	1.00	CRACI	668	.0400	4	1.00	CRACI	
154	765	.0445	2	1.00	CRACI	617	.0407	5	1.00	WALSR	
155	706	.0453	3	1.00	UARAB	324	.0416	10	1.00	CRACI	
156	421	.0463	9	0.50	OKA C	327	.0416	10	1.00	CRACI	
157	290	.0509	11	1.00	CRACI	824	.0430	1	0.75	CRACI	
158	330	.0509	10	1.00	CRACI	770	.0450	2	1.00	CRACI	
159	484	.0509	8	1.00	CRACI	822	.0450	1	1.00	CRACI	
160	491	.0509	8	1.00	CRACI	42	.0450	28	1.00	OKA C	
161	527	.0509	7	1.00	CRACI	664	.0455	4	1.00	CRACI	
162	536	.0509	7	1.00	CRACI	665	.0455	4	1.00	CRACI	
163	599	.0509	5	1.00	CRACI	214	.0457	13	1.00	CRACI	
164	149	.0515	16	1.00	CRACI	89	.0466	20	1.00	OKA C	
165	291	.0517	11	1.00	CRACI	142	.0485	17	1.00	CRACI	
166	785		98	0.00	TONGL	325	.0509	10	1.00	CRACI	
167	624		5	0.00	CRACI	443	.0509	9	1.00	CRACI	
168	627		5	0.00	KOLN	526	.0509	7	1.00	CRACI	
169	628		5	0.00	ALBUS	534	.0509	7	1.00	CRACI	
170	633		5	0.00	CRACI	629	.0524	5	0.50	CRACI	
171	634		5	0.00	UARAB	635	.0528	5	0.50	CRACI	
172						786		98	0.00	TONGL	
173						623		5	0.00	UARAB	
174						625		5	0.00	CRACI	
175						626		5	0.00	CRACI	
176						630		5	0.00	CRACI	
177						631		5	0.00	KOLN	
178						632		5	0.00	ALBUS	
179						711		3	0.00	TOKYO	

GENETIC SUMMARY OF DESCENDANT POPULATION

Number of living descendants: 303.5
Descendant population Mean Kinship: 0.0299
Note: Following numbers are approximations, because of partial UNK ancestries.
See Gene Drop output for better estimates.
Gene Diversity: 0.9701
Founder Genome Equivalent: 16.7219
Mean Inbreeding: 0.0090

Mean Ne over past 1.87 generations: 55.985
Current Ne estimated from 35 male and 44 female breeders: 77.975
Ne/N ratio: 0.253

MATING CHOICES: Inbreeding coefficients for potential offspring.
 Males across top, females down side.
 Studbook numbers followed by U indicate partially unknown ancestry.

Inbreeding coefficients for possible matings at: TONGLING

785U
 786U 0.0000

Inbreeding coefficients for possible matings at: ZHALONG

358 360 557

Inbreeding coefficients for possible matings at: BEIJING

	340	341	347	351	371	379	499	WLDCO3
348	0.0000	0.0000	0.2500	0.0000	0.0000	0.1250	0.0000	0.2500
349	0.0000	0.0000	0.2500	0.0000	0.0000	0.1250	0.0000	0.2500
353	0.0000	0.0000	0.2500	0.0000	0.0000	0.1250	0.0000	0.2500
354	0.0000	0.0000	0.2500	0.0000	0.0000	0.1250	0.0000	0.2500
355	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
356	0.0000	0.0000	0.2500	0.0000	0.0000	0.2500	0.0000	0.2500
376U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
381	0.0000	0.0000	0.1250	0.2500	0.0000	0.2500	0.0000	0.1250
383	0.0000	0.0000	0.1250	0.2500	0.0000	0.1875	0.0000	0.1250
WLDCO4	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Inbreeding coefficients for possible matings at: YANCHENG

497 614
 339 0.0000 0.0000

Inbreeding coefficients for possible matings at: OKA CRANE

	15	33	37	67	73	82	85
42	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
68	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
89	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000
97	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128	0.0000	0.0000	0.0000	0.2500	0.0000	0.0000	0.0000
154	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
218	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
219	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
226	0.0000	0.1250	0.0000	0.0000	0.0000	0.2500	0.0000
502	0.0000	0.0000	0.0000	0.1250	0.0000	0.2500	0.0000
510	0.0000	0.0000	0.0000	0.0000	0.2500	0.0000	0.0000
522	0.0000	0.0000	0.0000	0.0000	0.0000	0.1250	0.0000
811	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500
812	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000

	215	421U	505	509	646	683	807
42	0.0000	0.5000	0.0000	0.2500	0.1250	0.1250	0.0625
68	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000
89	0.0000	0.2500	0.0000	0.1250	0.0625	0.0625	0.2500
97	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128	0.0000	0.2500	0.0000	0.1250	0.2500	0.2500	0.0313
154	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
218	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
219	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
226	0.1250	0.1250	0.0000	0.0625	0.1563	0.1563	0.3125
502	0.1250	0.1250	0.0000	0.0625	0.2500	0.2500	0.0781
510	0.0000	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000
522	0.2500	0.0000	0.0000	0.0000	0.0625	0.0625	0.0313
811	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
812	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1563

Inbreeding coefficients for possible matings at: BARABOO

	18	40	58	78	79	107	120
64	0.2500	0.1250	0.2500	0.0625	0.0625	0.1875	0.2813
86	0.2500	0.0000	0.1250	0.0625	0.1250	0.1250	0.0938
126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131	0.0000	0.1875	0.0938	0.1250	0.2813	0.1406	0.1094
151	0.0000	0.0625	0.0000	0.0625	0.0938	0.0000	0.0313
284	0.0000	0.0625	0.0000	0.0625	0.0938	0.0000	0.0313
400	0.0000	0.1250	0.0313	0.0938	0.2500	0.0157	0.0625

	137	293
64	0.2813	0.0313
86	0.0938	0.0625
126	0.0000	0.2500
131	0.1094	0.1406
151	0.0313	0.0469
284	0.0313	0.0469
400	0.0625	0.2500

Inbreeding coefficients for possible matings at: CRACID BC

	27	57	61	92	149	163	234
30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
142	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500	0.0000
167	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
197	0.0000	0.0000	0.0000	0.2500	0.1250	0.0000	0.0625
214	0.0000	0.0000	0.0000	0.1250	0.1250	0.0000	0.0625
221	0.0000	0.0000	0.0625	0.0000	0.0000	0.0000	0.0000
276	0.0000	0.0000	0.0000	0.1250	0.1250	0.0000	0.0000
277	0.0000	0.1250	0.1563	0.0000	0.0000	0.0000	0.0000
287	0.0000	0.0000	0.0000	0.0000	0.0000	0.1250	0.0000
292	0.1250	0.0625	0.0313	0.0000	0.0000	0.0000	0.0000
307	0.0000	0.0000	0.0000	0.0625	0.0625	0.0000	0.0000
324	0.0000	0.0625	0.2500	0.0000	0.0000	0.1250	0.0000
325	0.0000	0.0000	0.0000	0.1250	0.2500	0.1250	0.0625
326	0.0000	0.0000	0.0000	0.1250	0.2500	0.0000	0.0625
327	0.0000	0.0625	0.2500	0.0000	0.0000	0.1250	0.0000
328	0.0000	0.0000	0.0000	0.1250	0.2500	0.0000	0.0625
329	0.0000	0.0000	0.0000	0.1250	0.2500	0.0000	0.0625
413	0.0000	0.0000	0.0000	0.0625	0.0625	0.0000	0.0000
417	0.0000	0.0000	0.0000	0.1250	0.1250	0.0000	0.0625
423	0.0000	0.0000	0.0000	0.0625	0.0625	0.0000	0.0000
443	0.0000	0.0000	0.0000	0.1250	0.2500	0.1250	0.0625
444	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
487	0.0000	0.0625	0.0625	0.0000	0.0000	0.0625	0.0000
526	0.0000	0.0000	0.0000	0.1250	0.2500	0.1250	0.0625
528	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
529	0.2500	0.0000	0.0000	0.0625	0.0625	0.0000	0.0313
530	0.2500	0.0000	0.0000	0.0625	0.0625	0.0000	0.0313
531	0.0000	0.0000	0.0000	0.1250	0.2500	0.0000	0.0625
532	0.0000	0.0000	0.0000	0.1250	0.2500	0.0000	0.0625
534	0.0000	0.0000	0.0000	0.1250	0.2500	0.1250	0.0625
540	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
541	0.0000	0.2500	0.0625	0.0000	0.0000	0.0000	0.0000
593	0.0000	0.0000	0.0000	0.0625	0.0625	0.0000	0.0313
595	0.0000	0.0000	0.0000	0.1250	0.2500	0.0000	0.0625
597	0.1250	0.0000	0.0000	0.0625	0.0625	0.0000	0.0313
625U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
626U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
629U	0.0000	0.0000	0.0000	0.2500	0.5000	0.0000	0.1250
630U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
635U	0.0000	0.0000	0.0000	0.2500	0.5000	0.0000	0.1250
664	0.0000	0.0000	0.0000	0.0625	0.0625	0.1250	0.0313
665	0.0000	0.0000	0.0000	0.0625	0.0625	0.1250	0.0313
667	0.0000	0.0000	0.0000	0.0313	0.0313	0.1250	0.0000
668	0.0000	0.0625	0.0469	0.0625	0.0625	0.0000	0.0313

Inbreeding coefficients for possible matings at: CRACID BC

	27	57	61	92	149	163	234
671	0.0000	0.0000	0.0000	0.0313	0.0313	0.0000	0.0000
672	0.2500	0.0000	0.0000	0.0313	0.0313	0.0000	0.0000
701	0.0000	0.0000	0.0000	0.1250	0.2500	0.0000	0.0625
705	0.0000	0.0000	0.0000	0.0625	0.0625	0.0000	0.2500
751	0.0000	0.0625	0.0625	0.0313	0.0313	0.0000	0.0000
754	0.1250	0.0000	0.0000	0.0313	0.0313	0.0625	0.0157
755	0.0000	0.0625	0.0625	0.0625	0.1250	0.0000	0.0313
756U	0.0000	0.0000	0.0000	0.0625	0.0625	0.0000	0.0000
757	0.0000	0.0000	0.0000	0.0313	0.0313	0.0000	0.0000
758	0.1250	0.0000	0.0000	0.0313	0.0313	0.0625	0.0157
759	0.0000	0.0000	0.0000	0.0000	0.0000	0.1250	0.0000
763	0.0000	0.0000	0.0000	0.0000	0.0000	0.1250	0.0000
766	0.0000	0.0000	0.0000	0.0313	0.0313	0.0000	0.0000
770	0.1250	0.0000	0.0000	0.0938	0.1563	0.0625	0.0469
773	0.0000	0.0000	0.0000	0.0313	0.0313	0.0000	0.0000
774	0.0000	0.0000	0.0313	0.0313	0.0313	0.0000	0.0000
776	0.1250	0.0000	0.0000	0.0313	0.0313	0.0625	0.0157
777	0.0000	0.0000	0.0000	0.0313	0.0313	0.0000	0.0000
818	0.1250	0.0000	0.0000	0.1250	0.2500	0.0000	0.0625
819	0.0000	0.0000	0.0000	0.0313	0.0313	0.1250	0.0000
821	0.0000	0.0000	0.0000	0.0000	0.0000	0.1250	0.0000
822	0.1250	0.0000	0.0000	0.0938	0.1563	0.0625	0.0469
824U	0.0000	0.0000	0.0000	0.0834	0.1667	0.1667	0.0416
826	0.0000	0.0000	0.0000	0.0313	0.0313	0.1250	0.0000
827	0.0625	0.0938	0.0781	0.0000	0.0000	0.0000	0.0000
828	0.0000	0.0000	0.0000	0.0313	0.0313	0.1250	0.0000
	236	259	285	286	290	291	308
30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.2500	0.0000	0.0000	0.0000
116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
142	0.0000	0.0000	0.0000	0.0000	0.2500	0.2500	0.2500
167	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
197	0.0000	0.0000	0.0313	0.1250	0.0625	0.0625	0.0000
214	0.0000	0.0000	0.0313	0.0000	0.0625	0.0625	0.0000
221	0.1250	0.1250	0.0000	0.0000	0.0000	0.0000	0.0000
276	0.0000	0.0000	0.0625	0.0000	0.0625	0.0625	0.0000
277	0.1406	0.1406	0.0000	0.0000	0.0000	0.0000	0.0000
287	0.0000	0.0000	0.1250	0.1250	0.1250	0.1250	0.1250
292	0.0938	0.0938	0.0000	0.0000	0.0000	0.0000	0.0000
307	0.0000	0.0000	0.0313	0.0000	0.0313	0.0313	0.0000
324	0.0625	0.0625	0.0000	0.0000	0.1250	0.1250	0.1250
325	0.0000	0.0000	0.0313	0.0000	0.2500	0.2500	0.1250
326	0.0000	0.0000	0.0313	0.1250	0.1250	0.1250	0.0000
327	0.0625	0.0625	0.0000	0.0000	0.1250	0.1250	0.1250
328	0.0000	0.0000	0.0313	0.1250	0.1250	0.1250	0.0000
329	0.0000	0.0000	0.0313	0.1250	0.1250	0.1250	0.0000
413	0.0000	0.0000	0.0313	0.0000	0.0313	0.0313	0.0000
417	0.0000	0.0000	0.0313	0.0000	0.0625	0.0625	0.0000
423	0.0000	0.0000	0.0313	0.0000	0.0313	0.0313	0.0000
443	0.0000	0.0000	0.0313	0.0000	0.2500	0.2500	0.1250
444	0.0000	0.0000	0.0000	0.1250	0.0000	0.0000	0.0000
487	0.1250	0.2500	0.0625	0.0625	0.0625	0.0625	0.0625
526	0.0000	0.0000	0.0313	0.0000	0.2500	0.2500	0.1250
528	0.0000	0.0000	0.0000	0.1250	0.0000	0.0000	0.0000
529	0.0000	0.0000	0.0157	0.0000	0.0313	0.0313	0.0000
530	0.0000	0.0000	0.0157	0.0000	0.0313	0.0313	0.0000
531	0.0000	0.0000	0.0313	0.1250	0.1250	0.1250	0.0000
532	0.0000	0.0000	0.0313	0.0000	0.1250	0.1250	0.0000
534	0.0000	0.0000	0.0313	0.0000	0.2500	0.2500	0.1250
540	0.0000	0.0000	0.0000	0.1250	0.0000	0.0000	0.0000
541	0.0625	0.0625	0.0000	0.0000	0.0000	0.0000	0.0000
593	0.0000	0.0000	0.1406	0.1250	0.0313	0.0313	0.0000
595	0.0000	0.0000	0.0313	0.0000	0.1250	0.1250	0.0000
597	0.0000	0.0000	0.0157	0.0000	0.0313	0.0313	0.0000

	236	259	285	286	290	291	308
625U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
626U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
629U	0.0000	0.0000	0.0625	0.0000	0.2500	0.2500	0.0000
630U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
635U	0.0000	0.0000	0.0625	0.0000	0.2500	0.2500	0.0000
664	0.0000	0.0000	0.0157	0.0000	0.1563	0.1563	0.1250
665	0.0000	0.0000	0.0157	0.0000	0.1563	0.1563	0.1250
667	0.0000	0.0000	0.2500	0.0625	0.1406	0.1406	0.1250
668	0.0469	0.0469	0.0157	0.0000	0.0313	0.0313	0.0000
671	0.0000	0.0000	0.2500	0.0625	0.0157	0.0157	0.0000
672	0.0000	0.0000	0.0157	0.0000	0.0157	0.0157	0.0000
701	0.0000	0.0000	0.0313	0.1250	0.1250	0.1250	0.0000
705	0.0000	0.0000	0.0000	0.1250	0.0313	0.0313	0.0000
751	0.1250	0.2500	0.0157	0.0000	0.0157	0.0157	0.0000
754	0.0000	0.0000	0.0704	0.0625	0.0781	0.0781	0.0625
755	0.1250	0.2500	0.0157	0.0625	0.0625	0.0625	0.0000
756U	0.0000	0.0000	0.0313	0.0000	0.0313	0.0313	0.0000
757	0.0000	0.0000	0.0625	0.0000	0.0157	0.0157	0.0000
758	0.0000	0.0000	0.0704	0.0625	0.0781	0.0781	0.0625
759	0.0000	0.0000	0.0000	0.0000	0.0625	0.0625	0.1250
763	0.0000	0.0000	0.0000	0.0000	0.1250	0.1250	0.1250
766	0.0000	0.0000	0.0625	0.0000	0.0157	0.0157	0.0000
770	0.0000	0.0000	0.0235	0.0000	0.1406	0.2656	0.0625
773	0.0000	0.0000	0.0625	0.0000	0.0157	0.0157	0.0000
774	0.0625	0.0625	0.0625	0.0000	0.0157	0.0157	0.0000
776	0.0000	0.0000	0.0704	0.0625	0.0781	0.0781	0.0625
777	0.0000	0.0000	0.2500	0.0625	0.0157	0.0157	0.0000
818	0.0000	0.0000	0.0313	0.0625	0.1250	0.1250	0.0000
819	0.0000	0.0000	0.0157	0.0000	0.0781	0.0781	0.2500
821	0.0000	0.0000	0.0000	0.0000	0.0625	0.0625	0.1250
822	0.0000	0.0000	0.0235	0.0000	0.1406	0.2656	0.0625
824U	0.0000	0.0000	0.0209	0.0000	0.1667	0.1667	0.3334
826	0.0000	0.0000	0.0157	0.0000	0.0781	0.0781	0.2500
827	0.1719	0.2969	0.0000	0.0000	0.0000	0.0000	0.0000
828	0.0000	0.0000	0.0157	0.0000	0.0781	0.0781	0.2500

	319	330	402	416	425	426	446
30	0.0000	0.0000	0.1250	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500
116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
142	0.0000	0.2500	0.0000	0.2500	0.0000	0.0000	0.0000
167	0.0000	0.0000	0.0625	0.0000	0.0000	0.0000	0.1250
197	0.0000	0.0625	0.0000	0.0000	0.0625	0.0000	0.1250
214	0.0000	0.0625	0.0000	0.0000	0.2500	0.0625	0.0000
221	0.0000	0.0000	0.0625	0.0000	0.0000	0.0000	0.0000
276	0.1250	0.0625	0.0000	0.0000	0.0625	0.0000	0.0000
277	0.0000	0.0000	0.0781	0.0000	0.0000	0.0000	0.0000
287	0.0000	0.1250	0.0000	0.1250	0.0000	0.0000	0.0000
292	0.0000	0.0000	0.0781	0.0000	0.0000	0.0000	0.0625
307	0.0000	0.0313	0.0000	0.0000	0.1563	0.0625	0.0000
324	0.0000	0.1250	0.0469	0.1250	0.0000	0.0000	0.0000
325	0.0000	0.2500	0.0000	0.1250	0.0625	0.0000	0.0000
326	0.0000	0.1250	0.0000	0.0000	0.0625	0.0000	0.1250
327	0.0000	0.1250	0.0469	0.1250	0.0000	0.0000	0.0000
328	0.0000	0.1250	0.0000	0.0000	0.0625	0.0000	0.1250
329	0.0000	0.1250	0.0000	0.0000	0.0625	0.0000	0.1250
413	0.0000	0.0313	0.0000	0.0000	0.1563	0.0625	0.0000
417	0.0000	0.0625	0.0000	0.0000	0.2500	0.0625	0.0000
423	0.0000	0.0313	0.0000	0.0000	0.1563	0.0625	0.0000
443	0.0000	0.2500	0.0000	0.1250	0.0625	0.0000	0.0000
444	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500
487	0.0000	0.0625	0.0469	0.0625	0.0000	0.0000	0.0000
526	0.0000	0.2500	0.0000	0.1250	0.0625	0.0000	0.0000
528	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500
529	0.0000	0.0313	0.0000	0.0000	0.1250	0.0313	0.1250
530	0.0000	0.0313	0.0000	0.0000	0.1250	0.0313	0.1250

	319	330	402	416	425	426	446
531	0.0000	0.1250	0.0000	0.0000	0.0625	0.0000	0.1250
532	0.0000	0.1250	0.0625	0.0000	0.0625	0.0000	0.0000
534	0.0000	0.2500	0.0000	0.1250	0.0625	0.0000	0.0000
540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500
541	0.0000	0.0000	0.1250	0.0000	0.0000	0.0000	0.0000
593	0.0000	0.0313	0.0000	0.0000	0.1250	0.0313	0.0000
595	0.0000	0.1250	0.0625	0.0000	0.0625	0.0000	0.0000
597	0.0000	0.0313	0.0313	0.0000	0.2500	0.0313	0.0625
625U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
626U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
629U	0.0000	0.2500	0.0000	0.0000	0.1250	0.0000	0.0000
630U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
635U	0.0000	0.2500	0.0000	0.0000	0.1250	0.0000	0.0000
664	0.0000	0.1563	0.0000	0.1250	0.2500	0.0313	0.0000
665	0.0000	0.1563	0.0000	0.1250	0.2500	0.0313	0.0000
667	0.0000	0.1406	0.0000	0.1250	0.0157	0.0000	0.0000
668	0.0000	0.0313	0.2500	0.0000	0.1250	0.0313	0.0000
671	0.0000	0.0157	0.0000	0.0000	0.0157	0.0000	0.0000
672	0.0000	0.0157	0.0000	0.0000	0.0781	0.0313	0.1250
701	0.0000	0.1250	0.0000	0.0000	0.0625	0.0000	0.1250
705	0.0000	0.0313	0.0000	0.0000	0.0313	0.0000	0.1250
751	0.0000	0.0157	0.0469	0.0000	0.0781	0.0313	0.0000
754	0.0000	0.0781	0.0000	0.0625	0.0625	0.0157	0.0625
755	0.0000	0.0625	0.0469	0.0000	0.0313	0.0000	0.0625
756U	0.0000	0.0313	0.0000	0.0000	0.1563	0.0625	0.0000
757	0.0000	0.0157	0.0000	0.0000	0.0157	0.0000	0.0000
758	0.0000	0.0781	0.0000	0.0625	0.0625	0.0157	0.0625
759	0.0000	0.0625	0.0625	0.2500	0.0000	0.0000	0.0000
763	0.0313	0.1250	0.0000	0.1250	0.0313	0.2500	0.0000
766	0.0000	0.0157	0.0000	0.0000	0.0157	0.0000	0.0000
770	0.0000	0.1406	0.0000	0.0625	0.0938	0.0157	0.0625
773	0.0000	0.0157	0.0000	0.0000	0.0157	0.0000	0.0000
774	0.0000	0.0157	0.0313	0.0000	0.0157	0.0000	0.0000
776	0.0000	0.0781	0.0000	0.0625	0.0625	0.0157	0.0625
777	0.0000	0.0157	0.0000	0.0000	0.0157	0.0000	0.0000
818	0.0000	0.1250	0.0000	0.0000	0.0625	0.0000	0.1250
819	0.0000	0.0781	0.0000	0.1250	0.0781	0.0313	0.0000
821	0.0000	0.0625	0.0625	0.2500	0.0000	0.0000	0.0000
822	0.0000	0.1406	0.0000	0.0625	0.0938	0.0157	0.0625
824U	0.0000	0.1667	0.0000	0.1667	0.0416	0.0000	0.0000
826	0.0000	0.0781	0.0000	0.1250	0.0781	0.0313	0.0000
827	0.0000	0.0000	0.0859	0.0000	0.0000	0.0000	0.0313
828	0.0000	0.0781	0.0000	0.1250	0.0781	0.0313	0.0000
	450	453	484	486	488	489	490
30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000	0.2500	0.2500	0.0000
116	0.1250	0.1250	0.0000	0.0000	0.0000	0.0000	0.2500
142	0.0000	0.0000	0.2500	0.1250	0.0000	0.1250	0.0000
167	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1250
197	0.0313	0.0313	0.0625	0.0000	0.1875	0.1250	0.0000
214	0.0313	0.0313	0.0625	0.0000	0.0625	0.0000	0.0000
221	0.0625	0.0625	0.0000	0.0625	0.0000	0.0000	0.0625
276	0.0625	0.0625	0.0625	0.0000	0.0625	0.0000	0.0000
277	0.0000	0.0000	0.0000	0.0704	0.0000	0.0000	0.0000
287	0.0000	0.0000	0.1250	0.2500	0.0000	0.0625	0.0000
292	0.0000	0.0000	0.0000	0.0469	0.0000	0.0000	0.0625
307	0.0313	0.0313	0.0313	0.0000	0.0313	0.0000	0.0000
324	0.0000	0.0000	0.1250	0.0938	0.0000	0.0625	0.0000
325	0.0313	0.0313	0.2500	0.0625	0.1250	0.0625	0.0000
326	0.0313	0.0313	0.1250	0.0000	0.2500	0.1250	0.0000
327	0.0000	0.0000	0.1250	0.0938	0.0000	0.0625	0.0000
328	0.0313	0.0313	0.1250	0.0000	0.2500	0.1250	0.0000
329	0.0313	0.0313	0.1250	0.0000	0.2500	0.1250	0.0000
413	0.0313	0.0313	0.0313	0.0000	0.0313	0.0000	0.0000
417	0.0313	0.0313	0.0625	0.0000	0.0625	0.0000	0.0000

	450	453	484	486	488	489	490
423	0.0313	0.0313	0.0313	0.0000	0.0313	0.0000	0.0000
443	0.0313	0.0313	0.2500	0.0625	0.1250	0.0625	0.0000
444	0.0000	0.0000	0.0000	0.0000	0.1250	0.1250	0.1250
487	0.0000	0.0000	0.0625	0.2500	0.0000	0.0313	0.0000
526	0.0313	0.0313	0.2500	0.0625	0.1250	0.0625	0.0000
528	0.0000	0.0000	0.0000	0.0000	0.1250	0.1250	0.1250
529	0.0157	0.0157	0.0313	0.0000	0.0313	0.0000	0.1250
530	0.0157	0.0157	0.0313	0.0000	0.0313	0.0000	0.1250
531	0.0313	0.0313	0.1250	0.0000	0.2500	0.1250	0.0000
532	0.0313	0.0313	0.1250	0.0000	0.1250	0.0000	0.0000
534	0.0313	0.0313	0.2500	0.0625	0.1250	0.0625	0.0000
540	0.0000	0.0000	0.0000	0.0000	0.1250	0.1250	0.1250
541	0.0000	0.0000	0.0000	0.0313	0.0000	0.0000	0.0000
593	0.0157	0.0157	0.0313	0.0625	0.0313	0.0000	0.0000
595	0.0313	0.0313	0.1250	0.0000	0.1250	0.0000	0.0000
597	0.0157	0.0157	0.0313	0.0000	0.0313	0.0000	0.0625
625U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
626U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
629U	0.0625	0.0625	0.2500	0.0000	0.2500	0.0000	0.0000
630U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
635U	0.0625	0.0625	0.2500	0.0000	0.2500	0.0000	0.0000
664	0.0157	0.0157	0.1563	0.0625	0.0313	0.0625	0.0000
665	0.0157	0.0157	0.1563	0.0625	0.0313	0.0625	0.0000
667	0.0625	0.0625	0.1406	0.0938	0.0157	0.0625	0.0000
668	0.0157	0.0157	0.0313	0.0235	0.0313	0.0000	0.0000
671	0.1250	0.1250	0.0157	0.0313	0.0157	0.0000	0.1250
672	0.0157	0.0157	0.0157	0.0000	0.0157	0.0000	0.1250
701	0.0313	0.0313	0.1250	0.0000	0.2500	0.1250	0.0000
705	0.0000	0.0000	0.0313	0.0000	0.1563	0.1250	0.0000
751	0.0157	0.0157	0.0157	0.1250	0.0157	0.0000	0.0000
754	0.0079	0.0079	0.0781	0.1250	0.0157	0.0313	0.0625
755	0.0157	0.0157	0.0625	0.1250	0.1250	0.0625	0.0000
756U	0.0313	0.0313	0.0313	0.0000	0.0313	0.0000	0.0000
757	0.3125	0.1875	0.0157	0.0000	0.0157	0.0000	0.1563
758	0.0079	0.0079	0.0781	0.1250	0.0157	0.0313	0.0625
759	0.0000	0.0000	0.0625	0.0313	0.0000	0.0625	0.0000
763	0.0000	0.0000	0.1250	0.0625	0.0000	0.0625	0.0000
766	0.3125	0.1875	0.0157	0.0000	0.0157	0.0000	0.1563
770	0.0235	0.0235	0.1406	0.0313	0.0781	0.0313	0.0625
773	0.3125	0.1875	0.0157	0.0000	0.0157	0.0000	0.1563
774	0.2813	0.1563	0.0157	0.0313	0.0157	0.0000	0.0625
776	0.0079	0.0079	0.0781	0.1250	0.0157	0.0313	0.0625
777	0.1250	0.1250	0.0157	0.0313	0.0157	0.0000	0.1250
818	0.0313	0.0313	0.1250	0.0000	0.1875	0.0625	0.0625
819	0.0157	0.0157	0.0781	0.0313	0.0157	0.0625	0.0000
821	0.0000	0.0000	0.0625	0.0313	0.0000	0.0625	0.0000
822	0.0235	0.0235	0.1406	0.0313	0.0781	0.0313	0.0625
824U	0.0209	0.0209	0.1667	0.0416	0.0834	0.0834	0.0000
826	0.0157	0.0157	0.0781	0.0313	0.0157	0.0625	0.0000
827	0.0000	0.0000	0.0000	0.1484	0.0000	0.0000	0.0313
828	0.0157	0.0157	0.0781	0.0313	0.0157	0.0625	0.0000

	491	525	527	533	535	536	537
30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
142	0.2500	0.1250	0.2500	0.0000	0.1250	0.2500	0.1250
167	0.0000	0.0000	0.0000	0.1250	0.0000	0.0000	0.0000
197	0.0625	0.0000	0.0625	0.0313	0.0000	0.0625	0.0000
214	0.0625	0.0000	0.0625	0.2500	0.0000	0.0625	0.0000
221	0.0000	0.0625	0.0000	0.0000	0.0625	0.0000	0.0625
276	0.0625	0.0000	0.0625	0.0313	0.0000	0.0625	0.0000
277	0.0000	0.0704	0.0000	0.0000	0.0704	0.0000	0.0704
287	0.1250	0.2500	0.1250	0.0000	0.2500	0.1250	0.2500
292	0.0000	0.0469	0.0000	0.0625	0.0469	0.0000	0.0469
307	0.0313	0.0000	0.0313	0.0781	0.0000	0.0313	0.0000

	491	525	527	533	535	536	537
324	0.1250	0.0938	0.1250	0.0000	0.0938	0.1250	0.0938
325	0.2500	0.0625	0.2500	0.0313	0.0625	0.2500	0.0625
326	0.1250	0.0000	0.1250	0.0313	0.0000	0.1250	0.0000
327	0.1250	0.0938	0.1250	0.0000	0.0938	0.1250	0.0938
328	0.1250	0.0000	0.1250	0.0313	0.0000	0.1250	0.0000
329	0.1250	0.0000	0.1250	0.0313	0.0000	0.1250	0.0000
413	0.0313	0.0000	0.0313	0.0781	0.0000	0.0313	0.0000
417	0.0625	0.0000	0.0625	0.1250	0.0000	0.0625	0.0000
423	0.0313	0.0000	0.0313	0.0781	0.0000	0.0313	0.0000
443	0.2500	0.0625	0.2500	0.0313	0.0625	0.2500	0.0625
444	0.0000	0.0000	0.0000	0.1250	0.0000	0.0000	0.0000
487	0.0625	0.2500	0.0625	0.0000	0.2500	0.0625	0.2500
526	0.2500	0.0625	0.2500	0.0313	0.0625	0.2500	0.0625
528	0.0000	0.0000	0.0000	0.1250	0.0000	0.0000	0.0000
529	0.0313	0.0000	0.0313	0.2500	0.0000	0.0313	0.0000
530	0.0313	0.0000	0.0313	0.2500	0.0000	0.0313	0.0000
531	0.1250	0.0000	0.1250	0.0313	0.0000	0.1250	0.0000
532	0.1250	0.0000	0.1250	0.0313	0.0000	0.1250	0.0000
534	0.2500	0.0625	0.2500	0.0313	0.0625	0.2500	0.0625
540	0.0000	0.0000	0.0000	0.1250	0.0000	0.0000	0.0000
541	0.0000	0.0313	0.0000	0.0000	0.0313	0.0000	0.0313
593	0.0313	0.0625	0.0313	0.1250	0.0625	0.0313	0.0625
595	0.1250	0.0000	0.1250	0.0313	0.0000	0.1250	0.0000
597	0.0313	0.0000	0.0313	0.1250	0.0000	0.0313	0.0000
625U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
626U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
629U	0.2500	0.0000	0.2500	0.0625	0.0000	0.2500	0.0000
630U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
635U	0.2500	0.0000	0.2500	0.0625	0.0000	0.2500	0.0000
664	0.1563	0.0625	0.1563	0.0625	0.0625	0.1563	0.0625
665	0.1563	0.0625	0.1563	0.0625	0.0625	0.1563	0.0625
667	0.1406	0.0938	0.1406	0.0079	0.0938	0.1406	0.0938
668	0.0313	0.0235	0.0313	0.1250	0.0235	0.0313	0.0235
671	0.0157	0.0313	0.0157	0.0079	0.0313	0.0157	0.0313
672	0.0157	0.0000	0.0157	0.1641	0.0000	0.0157	0.0000
701	0.1250	0.0000	0.1250	0.0313	0.0000	0.1250	0.0000
705	0.0313	0.0000	0.0313	0.0157	0.0000	0.0313	0.0000
751	0.0157	0.1250	0.0157	0.0391	0.1250	0.0157	0.1250
754	0.0781	0.1250	0.0781	0.2500	0.1250	0.0781	0.1250
755	0.0625	0.1250	0.0625	0.0157	0.1250	0.0625	0.1250
756U	0.0313	0.0000	0.0313	0.0781	0.0000	0.0313	0.0000
757	0.0157	0.0000	0.0157	0.0079	0.0000	0.0157	0.0000
758	0.0781	0.1250	0.0781	0.2500	0.1250	0.0781	0.1250
759	0.0625	0.0313	0.0625	0.0000	0.0313	0.0625	0.0313
763	0.1250	0.0625	0.1250	0.0157	0.0625	0.1250	0.0625
766	0.0157	0.0000	0.0157	0.0079	0.0000	0.0157	0.0000
770	0.1406	0.0313	0.1406	0.1406	0.0313	0.1406	0.0313
773	0.0157	0.0000	0.0157	0.0079	0.0000	0.0157	0.0000
774	0.0157	0.0313	0.0157	0.0079	0.0313	0.0157	0.0313
776	0.0781	0.1250	0.0781	0.2500	0.1250	0.0781	0.1250
777	0.0157	0.0313	0.0157	0.0079	0.0313	0.0157	0.0313
818	0.1250	0.0000	0.1250	0.0938	0.0000	0.1250	0.0000
819	0.0781	0.0313	0.0781	0.0391	0.0313	0.0781	0.0313
821	0.0625	0.0313	0.0625	0.0000	0.0313	0.0625	0.0313
822	0.1406	0.0313	0.1406	0.1406	0.0313	0.1406	0.0313
824U	0.1667	0.0416	0.1667	0.0209	0.0416	0.1667	0.0416
826	0.0781	0.0313	0.0781	0.0391	0.0313	0.0781	0.0313
827	0.0000	0.1484	0.0000	0.0313	0.1484	0.0000	0.1484
828	0.0781	0.0313	0.0781	0.0391	0.0313	0.0781	0.0313

	538	591	592	598	599	616	624U
30	0.2500	0.0000	0.1250	0.0000	0.0000	0.1250	0.0000
74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
142	0.0000	0.2500	0.1250	0.3750	0.2500	0.0000	0.0000
167	0.1250	0.1250	0.2500	0.0000	0.0000	0.0625	0.0000
197	0.0000	0.0000	0.0000	0.0000	0.0625	0.0625	0.0000
214	0.0000	0.0000	0.0000	0.0000	0.0625	0.0625	0.0000
221	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
276	0.0000	0.0000	0.0000	0.0000	0.0625	0.0625	0.0000
277	0.0625	0.0000	0.0000	0.0000	0.0000	0.0313	0.0000
287	0.0000	0.1250	0.0625	0.1875	0.1250	0.0000	0.0000
292	0.0938	0.0625	0.0625	0.0000	0.0000	0.0469	0.0000
307	0.0000	0.0000	0.0000	0.0000	0.0313	0.0313	0.0000
324	0.0313	0.1250	0.0625	0.1875	0.1250	0.0157	0.0000
325	0.0000	0.1250	0.0625	0.1875	0.2500	0.1250	0.0000
326	0.0000	0.0000	0.0000	0.0000	0.1250	0.1250	0.0000
327	0.0313	0.1250	0.0625	0.1875	0.1250	0.0157	0.0000
328	0.0000	0.0000	0.0000	0.0000	0.1250	0.1250	0.0000
329	0.0000	0.0000	0.0000	0.0000	0.1250	0.1250	0.0000
413	0.0000	0.0000	0.0000	0.0000	0.0313	0.0313	0.0000
417	0.0000	0.0000	0.0000	0.0000	0.0625	0.0625	0.0000
423	0.0000	0.0000	0.0000	0.0000	0.0313	0.0313	0.0000
443	0.0000	0.1250	0.0625	0.1875	0.2500	0.1250	0.0000
444	0.0000	0.1250	0.0625	0.0000	0.0000	0.0000	0.0000
487	0.0313	0.0625	0.0313	0.0938	0.0625	0.0157	0.0000
526	0.0000	0.1250	0.0625	0.1875	0.2500	0.1250	0.0000
528	0.0000	0.1250	0.0625	0.0000	0.0000	0.0000	0.0000
529	0.0000	0.1250	0.0625	0.0000	0.0313	0.0313	0.0000
530	0.0000	0.1250	0.0625	0.0000	0.0313	0.0313	0.0000
531	0.0000	0.0000	0.0000	0.0000	0.1250	0.1250	0.0000
532	0.1250	0.0000	0.0625	0.0000	0.1250	0.1875	0.0000
534	0.0000	0.1250	0.0625	0.1875	0.2500	0.1250	0.0000
540	0.0000	0.1250	0.0625	0.0000	0.0000	0.0000	0.0000
541	0.2500	0.0000	0.0625	0.0000	0.0000	0.1250	0.0000
593	0.0000	0.0000	0.0000	0.0000	0.0313	0.0313	0.0000
595	0.1250	0.0000	0.0625	0.0000	0.1250	0.1875	0.0000
597	0.0625	0.0625	0.1250	0.0000	0.0313	0.0625	0.0000
625U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
626U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
629U	0.0000	0.0000	0.0000	0.0000	0.2500	0.2500	0.0000
630U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
635U	0.0000	0.0000	0.0000	0.0000	0.2500	0.2500	0.0000
664	0.0000	0.1250	0.0625	0.1875	0.1563	0.0313	0.0000
665	0.0000	0.1250	0.0625	0.1875	0.1563	0.0313	0.0000
667	0.0000	0.1250	0.0625	0.1875	0.1406	0.0157	0.0000
668	0.0625	0.0000	0.0157	0.0000	0.0313	0.0625	0.0000
671	0.0000	0.0000	0.0000	0.0000	0.0157	0.0157	0.0000
672	0.0000	0.1250	0.0625	0.0000	0.0157	0.0157	0.0000
701	0.0000	0.0000	0.0000	0.0000	0.1250	0.1250	0.0000
705	0.0000	0.0000	0.0000	0.0000	0.0313	0.0313	0.0000
751	0.0313	0.0000	0.0000	0.0000	0.0157	0.0313	0.0000
754	0.0000	0.1250	0.0625	0.0938	0.0781	0.0157	0.0000
755	0.0313	0.0000	0.0000	0.0000	0.0625	0.0781	0.0000
756U	0.0000	0.0000	0.0000	0.0000	0.0313	0.0313	0.0000
757	0.0000	0.0000	0.0000	0.0000	0.0157	0.0157	0.0000
758	0.0000	0.1250	0.0625	0.0938	0.0781	0.0157	0.0000
759	0.1250	0.0625	0.1250	0.1875	0.0625	0.0625	0.0000
763	0.0000	0.1250	0.0625	0.1875	0.1250	0.0000	0.0000
766	0.0000	0.0000	0.0000	0.0000	0.0157	0.0157	0.0000
770	0.0000	0.1250	0.0625	0.0938	0.1406	0.0781	0.0000
773	0.0000	0.0000	0.0000	0.0000	0.0157	0.0157	0.0000
774	0.0000	0.0000	0.0000	0.0000	0.0157	0.0157	0.0000
776	0.0000	0.1250	0.0625	0.0938	0.0781	0.0157	0.0000
777	0.0000	0.0000	0.0000	0.0000	0.0157	0.0157	0.0000
818	0.0000	0.0625	0.0313	0.0000	0.1250	0.1250	0.0000
819	0.0000	0.0625	0.0625	0.1250	0.0781	0.0157	0.0000

	538	591	592	598	599	616	624U
821	0.1250	0.0625	0.1250	0.1875	0.0625	0.0625	0.0000
822	0.0000	0.1250	0.0625	0.0938	0.1406	0.0781	0.0000
824U	0.0000	0.0834	0.0834	0.1667	0.1667	0.0834	0.0000
826	0.0000	0.0625	0.0625	0.1250	0.0781	0.0157	0.0000
827	0.0781	0.0313	0.0313	0.0000	0.0000	0.0391	0.0000
828	0.0000	0.0625	0.0625	0.1250	0.0781	0.0157	0.0000

	633U	661	662	663	666	669	670
30	0.0000	0.0000	0.0000	0.0000	0.0625	0.0000	0.0000
74	0.0000	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000
116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
142	0.0000	0.0000	0.0000	0.2500	0.0000	0.2500	0.1250
167	0.0000	0.0000	0.0000	0.0000	0.0313	0.1250	0.0000
197	0.0000	0.0625	0.1563	0.0000	0.0313	0.0000	0.0000
214	0.0000	0.2813	0.1250	0.0000	0.2500	0.0000	0.0000
221	0.0000	0.0000	0.0000	0.0000	0.0313	0.0000	0.0625
276	0.0000	0.0313	0.0313	0.0625	0.0313	0.0000	0.0000
277	0.0000	0.0000	0.0000	0.0000	0.0391	0.0000	0.0704
287	0.0000	0.0000	0.0000	0.1250	0.0000	0.1250	0.2500
292	0.0000	0.0000	0.0000	0.0000	0.0391	0.0625	0.0469
307	0.0000	0.0781	0.0781	0.0000	0.0781	0.0000	0.0000
324	0.0000	0.0000	0.0000	0.1250	0.0235	0.1250	0.0938
325	0.0000	0.0625	0.0313	0.1250	0.0313	0.1250	0.0625
326	0.0000	0.0625	0.1563	0.0000	0.0313	0.0000	0.0000
327	0.0000	0.0000	0.0000	0.1250	0.0235	0.1250	0.0938
328	0.0000	0.0625	0.1563	0.0000	0.0313	0.0000	0.0000
329	0.0000	0.0625	0.1563	0.0000	0.0313	0.0000	0.0000
413	0.0000	0.0781	0.0781	0.0000	0.0781	0.0000	0.0000
417	0.0000	0.1563	0.1250	0.0000	0.1250	0.0000	0.0000
423	0.0000	0.0781	0.0781	0.0000	0.0781	0.0000	0.0000
443	0.0000	0.0625	0.0313	0.1250	0.0313	0.1250	0.0625
444	0.0000	0.0000	0.1250	0.0000	0.0000	0.1250	0.0000
487	0.0000	0.0000	0.0000	0.0625	0.0235	0.0625	0.2500
526	0.0000	0.0625	0.0313	0.1250	0.0313	0.1250	0.0625
528	0.0000	0.0000	0.1250	0.0000	0.0000	0.1250	0.0000
529	0.0000	0.1406	0.0625	0.0000	0.1250	0.1250	0.0000
530	0.0000	0.1406	0.0625	0.0000	0.1250	0.1250	0.0000
531	0.0000	0.0625	0.1563	0.0000	0.0313	0.0000	0.0000
532	0.0000	0.0625	0.0313	0.0000	0.0625	0.0000	0.0000
534	0.0000	0.0625	0.0313	0.1250	0.0313	0.1250	0.0625
540	0.0000	0.0000	0.1250	0.0000	0.0000	0.1250	0.0000
541	0.0000	0.0000	0.0000	0.0000	0.0625	0.0000	0.0313
593	0.0000	0.1406	0.0625	0.0000	0.1250	0.0000	0.0625
595	0.0000	0.0625	0.0313	0.0000	0.0625	0.0000	0.0000
597	0.0000	0.0781	0.1250	0.0000	0.0781	0.0625	0.0000
625U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
626U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
629U	0.0000	0.1250	0.0625	0.0000	0.0625	0.0000	0.0000
630U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
635U	0.0000	0.1250	0.0625	0.0000	0.0625	0.0000	0.0000
664	0.0000	0.0781	0.1250	0.1250	0.0625	0.1250	0.0625
665	0.0000	0.0781	0.1250	0.1250	0.0625	0.1250	0.0625
667	0.0000	0.0079	0.0079	0.1250	0.0079	0.1250	0.0938
668	0.0000	0.1406	0.0625	0.0000	0.2500	0.0000	0.0235
671	0.0000	0.0079	0.0079	0.0000	0.0079	0.0000	0.0313
672	0.0000	0.0391	0.0391	0.0000	0.0391	0.1250	0.0000
701	0.0000	0.0625	0.1563	0.0000	0.0313	0.0000	0.0000
705	0.0000	0.1406	0.1406	0.0000	0.0157	0.0000	0.0000
751	0.0000	0.0391	0.0391	0.0000	0.0626	0.0000	0.1250
754	0.0000	0.0704	0.0313	0.0625	0.0625	0.1250	0.1250
755	0.0000	0.0313	0.0781	0.0000	0.0391	0.0000	0.1250
756U	0.0000	0.0781	0.0781	0.0000	0.0781	0.0000	0.0000
757	0.0000	0.0079	0.0079	0.0000	0.0079	0.0000	0.0000
758	0.0000	0.0704	0.0313	0.0625	0.0625	0.1250	0.1250
759	0.0000	0.0000	0.0000	0.0625	0.0313	0.0625	0.0313
763	0.0000	0.0157	0.0157	0.1406	0.0157	0.1250	0.0625

	633U	661	662	663	666	669	670
766	0.0000	0.0079	0.0079	0.0000	0.0079	0.0000	0.0000
770	0.0000	0.1016	0.0469	0.0625	0.0781	0.1250	0.0313
773	0.0000	0.0079	0.0079	0.0000	0.0079	0.0000	0.0000
774	0.0000	0.0079	0.0079	0.0000	0.0235	0.0000	0.0313
776	0.0000	0.0704	0.0313	0.0625	0.0625	0.1250	0.1250
777	0.0000	0.0079	0.0079	0.0000	0.0079	0.0000	0.0313
818	0.0000	0.0625	0.0938	0.0000	0.0313	0.0625	0.0000
819	0.0000	0.0391	0.0391	0.0625	0.0391	0.0625	0.0313
821	0.0000	0.0000	0.0000	0.0625	0.0313	0.0625	0.0313
822	0.0000	0.1016	0.0469	0.0625	0.0781	0.1250	0.0313
824U	0.0000	0.0416	0.0209	0.0834	0.0209	0.0834	0.0416
826	0.0000	0.0391	0.0391	0.0625	0.0391	0.0625	0.0313
827	0.0000	0.0000	0.0000	0.0000	0.0430	0.0313	0.1484
828	0.0000	0.0391	0.0391	0.0625	0.0391	0.0625	0.0313

	752	753	760	761	762	764	765
30	0.0625	0.0625	0.0625	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
142	0.0000	0.2500	0.2500	0.0000	0.1250	0.1250	0.0000
167	0.0313	0.0313	0.0313	0.0000	0.0000	0.0000	0.0625
197	0.0313	0.0000	0.0000	0.0625	0.0157	0.0000	0.0781
214	0.2500	0.0000	0.0000	0.2813	0.0781	0.0313	0.1875
221	0.0313	0.0313	0.0313	0.0000	0.0000	0.0000	0.0000
276	0.0313	0.0000	0.0000	0.0313	0.0313	0.0000	0.0781
277	0.0391	0.0391	0.0391	0.0000	0.0000	0.0000	0.0000
287	0.0000	0.1250	0.1250	0.0000	0.0625	0.2500	0.0000
292	0.0391	0.0391	0.0391	0.0000	0.0000	0.0000	0.0313
307	0.0781	0.0000	0.0000	0.0781	0.2500	0.0313	0.0704
324	0.0235	0.1484	0.1484	0.0000	0.0625	0.0625	0.0000
325	0.0313	0.1250	0.1250	0.0625	0.0781	0.0625	0.1406
326	0.0313	0.0000	0.0000	0.0625	0.0157	0.0000	0.1406
327	0.0235	0.1484	0.1484	0.0000	0.0625	0.0625	0.0000
328	0.0313	0.0000	0.0000	0.0625	0.0157	0.0000	0.1406
329	0.0313	0.0000	0.0000	0.0625	0.0157	0.0000	0.1406
413	0.0781	0.0000	0.0000	0.0781	0.1250	0.0313	0.0704
417	0.1250	0.0000	0.0000	0.1563	0.0781	0.0313	0.1250
423	0.0781	0.0000	0.0000	0.0781	0.1250	0.0313	0.0704
443	0.0313	0.1250	0.1250	0.0625	0.0781	0.0625	0.1406
444	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0625
487	0.0235	0.0859	0.0859	0.0000	0.0313	0.1250	0.0000
526	0.0313	0.1250	0.1250	0.0625	0.0781	0.0625	0.1406
528	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0625
529	0.1250	0.0000	0.0000	0.1406	0.0391	0.0157	0.2813
530	0.1250	0.0000	0.0000	0.1406	0.0391	0.0157	0.1563
531	0.0313	0.0000	0.0000	0.0625	0.0157	0.0000	0.1406
532	0.0625	0.0313	0.0313	0.0625	0.0157	0.0000	0.1406
534	0.0313	0.1250	0.1250	0.0625	0.0781	0.0625	0.1406
540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0625
541	0.0625	0.0625	0.0625	0.0000	0.0000	0.0000	0.0000
593	0.1250	0.0000	0.0000	0.1406	0.0391	0.0781	0.0938
595	0.0625	0.0313	0.0313	0.0625	0.0157	0.0000	0.1406
597	0.0781	0.0157	0.0157	0.0781	0.0391	0.0157	0.0938
625U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
626U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
629U	0.0625	0.0000	0.0000	0.1250	0.0313	0.0000	0.2813
630U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
635U	0.0625	0.0000	0.0000	0.1250	0.0313	0.0000	0.2813
664	0.0625	0.1250	0.1250	0.0781	0.1016	0.0781	0.0625
665	0.0625	0.1250	0.1250	0.0781	0.1016	0.0781	0.0625
667	0.0079	0.1250	0.1250	0.0079	0.0704	0.0938	0.0196
668	0.2500	0.1250	0.1250	0.1406	0.0391	0.0157	0.0938
671	0.0079	0.0000	0.0000	0.0079	0.0079	0.0313	0.0196
672	0.0391	0.0000	0.0000	0.0391	0.0625	0.0157	0.0977
701	0.0313	0.0000	0.0000	0.0625	0.0157	0.0000	0.1406
705	0.0157	0.0000	0.0000	0.1406	0.0000	0.0000	0.0391

	752	753	760	761	762	764	765
751	0.0626	0.0235	0.0235	0.0391	0.1250	0.0157	0.0352
754	0.0625	0.0625	0.0625	0.0704	0.0508	0.1328	0.0781
755	0.0391	0.0235	0.0235	0.0313	0.0079	0.0000	0.0704
756U	0.0781	0.0000	0.0000	0.0781	0.2500	0.0313	0.0704
757	0.0079	0.0000	0.0000	0.0079	0.0079	0.0000	0.0196
758	0.0625	0.0625	0.0625	0.0704	0.0508	0.1328	0.0781
759	0.0313	0.0938	0.0938	0.0000	0.0625	0.0313	0.0000
763	0.0157	0.1250	0.1250	0.0157	0.0781	0.1875	0.0079
766	0.0079	0.0000	0.0000	0.0079	0.0079	0.0000	0.0196
770	0.0781	0.0625	0.0625	0.1016	0.0587	0.0391	0.1484
773	0.0079	0.0000	0.0000	0.0079	0.0079	0.0000	0.0196
774	0.0235	0.0157	0.0157	0.0079	0.0079	0.0000	0.0196
776	0.0625	0.0625	0.0625	0.0704	0.0508	0.1328	0.0781
777	0.0079	0.0000	0.0000	0.0079	0.0079	0.0313	0.0196
818	0.0313	0.0000	0.0000	0.0625	0.0157	0.0000	0.1719
819	0.0391	0.0625	0.0625	0.0391	0.2500	0.0469	0.0352
821	0.0313	0.0938	0.0938	0.0000	0.0625	0.0313	0.0000
822	0.0781	0.0625	0.0625	0.1016	0.0587	0.0391	0.1484
824U	0.0209	0.0834	0.0834	0.0416	0.1771	0.0416	0.0938
826	0.0391	0.0625	0.0625	0.0391	0.2500	0.0469	0.0352
827	0.0430	0.0430	0.0430	0.0000	0.0000	0.0000	0.0157
828	0.0391	0.0625	0.0625	0.0391	0.2500	0.0469	0.0352

	767	769	771	772	775	778	779
30	0.0625	0.0625	0.0625	0.0625	0.0000	0.0625	0.0000
74	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
142	0.0000	0.1250	0.0000	0.1250	0.0000	0.0000	0.1250
167	0.0313	0.0625	0.0313	0.0625	0.1250	0.0625	0.0000
197	0.0157	0.0000	0.0157	0.0000	0.0313	0.0157	0.0000
214	0.0781	0.0000	0.0781	0.0000	0.2500	0.0157	0.0000
221	0.0313	0.0157	0.0313	0.0157	0.0000	0.0157	0.0625
276	0.0313	0.0000	0.0313	0.0000	0.0313	0.0313	0.0000
277	0.0391	0.0313	0.0391	0.0313	0.0000	0.0313	0.0704
287	0.0000	0.0625	0.0000	0.0625	0.0000	0.0625	0.2500
292	0.0391	0.2500	0.0391	0.2500	0.0625	0.2500	0.0469
307	0.2500	0.0000	0.2500	0.0000	0.0781	0.0157	0.0000
324	0.0235	0.0704	0.0235	0.0704	0.0000	0.0079	0.0938
325	0.0157	0.0625	0.0157	0.0625	0.0313	0.0157	0.0625
326	0.0157	0.0000	0.0157	0.0000	0.0313	0.0157	0.0000
327	0.0235	0.0704	0.0235	0.0704	0.0000	0.0079	0.0938
328	0.0157	0.0000	0.0157	0.0000	0.0313	0.0157	0.0000
329	0.0157	0.0000	0.0157	0.0000	0.0313	0.0157	0.0000
413	0.1250	0.0000	0.1250	0.0000	0.0781	0.0157	0.0000
417	0.0781	0.0000	0.0781	0.0000	0.1250	0.0157	0.0000
423	0.1250	0.0000	0.1250	0.0000	0.0781	0.0157	0.0000
443	0.0157	0.0625	0.0157	0.0625	0.0313	0.0157	0.0625
444	0.0000	0.0313	0.0000	0.0313	0.1250	0.0313	0.0000
487	0.0235	0.0547	0.0235	0.0547	0.0000	0.0547	0.2500
526	0.0157	0.0625	0.0157	0.0625	0.0313	0.0157	0.0625
528	0.0000	0.0313	0.0000	0.0313	0.1250	0.0313	0.0000
529	0.0391	0.0313	0.0391	0.0313	0.2500	0.0391	0.0000
530	0.0391	0.0313	0.0391	0.0313	0.3750	0.0391	0.0000
531	0.0157	0.0000	0.0157	0.0000	0.0313	0.0157	0.0000
532	0.0469	0.0313	0.0469	0.0313	0.0313	0.0469	0.0000
534	0.0157	0.0625	0.0157	0.0625	0.0313	0.0157	0.0625
540	0.0000	0.0313	0.0000	0.0313	0.1250	0.0313	0.0000
541	0.0625	0.0469	0.0625	0.0469	0.0000	0.0469	0.0313
593	0.0391	0.0000	0.0391	0.0000	0.1250	0.0704	0.0625
595	0.0469	0.0313	0.0469	0.0313	0.0313	0.0469	0.0000
597	0.0547	0.0313	0.0547	0.0313	0.1250	0.0391	0.0000
625U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
626U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
629U	0.0313	0.0000	0.0313	0.0000	0.0625	0.0313	0.0000
630U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
635U	0.0313	0.0000	0.0313	0.0000	0.0625	0.0313	0.0000

	767	769	771	772	775	778	779
664	0.0391	0.0625	0.0391	0.0625	0.0625	0.0079	0.0625
665	0.0391	0.0625	0.0391	0.0625	0.0625	0.0079	0.0625
667	0.0079	0.0625	0.0079	0.0625	0.0079	0.1250	0.0938
668	0.1641	0.0196	0.1641	0.0196	0.1250	0.0274	0.0235
671	0.0079	0.0000	0.0079	0.0000	0.0079	0.1250	0.0313
672	0.0625	0.0313	0.0625	0.0313	0.1641	0.0391	0.0000
701	0.0157	0.0000	0.0157	0.0000	0.0313	0.0157	0.0000
705	0.0000	0.0000	0.0000	0.0000	0.0157	0.0000	0.0000
751	0.1484	0.0235	0.1484	0.0235	0.0391	0.0313	0.1250
754	0.0196	0.0469	0.0196	0.0469	0.1875	0.0508	0.1250
755	0.0313	0.0235	0.0313	0.0235	0.0157	0.0313	0.1250
756U	0.2500	0.0000	0.2500	0.0000	0.0781	0.0157	0.0000
757	0.0079	0.0000	0.0079	0.0000	0.0079	0.0313	0.0000
758	0.0196	0.0469	0.0196	0.0469	0.1875	0.0508	0.1250
759	0.0313	0.0938	0.0313	0.0938	0.0000	0.0313	0.0313
763	0.0157	0.0625	0.0157	0.0625	0.0157	0.0000	0.0625
766	0.0079	0.0000	0.0079	0.0000	0.0079	0.0313	0.0000
770	0.0274	0.0469	0.0274	0.0469	0.2031	0.0274	0.0313
773	0.0079	0.0000	0.0079	0.0000	0.0079	0.0313	0.0000
774	0.0235	0.0079	0.0235	0.0079	0.0079	0.0391	0.0313
776	0.0196	0.0469	0.0196	0.0469	0.1875	0.0508	0.1250
777	0.0079	0.0000	0.0079	0.0000	0.0079	0.1250	0.0313
818	0.0157	0.0157	0.0157	0.0157	0.0938	0.0313	0.0000
819	0.1250	0.1250	0.1250	0.1250	0.0391	0.0079	0.0313
821	0.0313	0.0938	0.0313	0.0938	0.0000	0.0313	0.0313
822	0.0274	0.0469	0.0274	0.0469	0.2031	0.0274	0.0313
824U	0.0104	0.1667	0.0104	0.1667	0.0209	0.0104	0.0416
826	0.1250	0.1250	0.1250	0.1250	0.0391	0.0079	0.0313
827	0.0430	0.1484	0.0430	0.1484	0.0313	0.1484	0.1484
828	0.1250	0.1250	0.1250	0.1250	0.0391	0.0079	0.0313

	780	817	820	823	825
30	0.0625	0.0000	0.0625	0.0625	0.0000
74	0.0000	0.1250	0.0000	0.0000	0.1250
116	0.0000	0.0000	0.0000	0.0000	0.0000
142	0.0000	0.0000	0.2500	0.2500	0.0000
167	0.0313	0.0000	0.0313	0.0313	0.0625
197	0.0313	0.0781	0.0000	0.0000	0.1250
214	0.1250	0.0781	0.0000	0.0000	0.0625
221	0.0313	0.0000	0.0313	0.0313	0.0000
276	0.0313	0.0313	0.0000	0.0000	0.0625
277	0.0391	0.0000	0.0391	0.0391	0.0000
287	0.0000	0.0625	0.1250	0.1250	0.0000
292	0.0391	0.0000	0.0391	0.0391	0.0313
307	0.0781	0.1250	0.0000	0.0000	0.0313
324	0.0235	0.0000	0.1484	0.1484	0.0000
325	0.0313	0.0157	0.1250	0.1250	0.1250
326	0.0313	0.0781	0.0000	0.0000	0.1875
327	0.0235	0.0000	0.1484	0.1484	0.0000
328	0.0313	0.0781	0.0000	0.0000	0.1875
329	0.0313	0.0781	0.0000	0.0000	0.1875
413	0.0781	0.1250	0.0000	0.0000	0.0313
417	0.2500	0.0781	0.0000	0.0000	0.0625
423	0.0781	0.2500	0.0000	0.0000	0.0313
443	0.0313	0.0157	0.1250	0.1250	0.1250
444	0.0000	0.0625	0.0000	0.0000	0.1250
487	0.0235	0.0313	0.0859	0.0859	0.0000
526	0.0313	0.0157	0.1250	0.1250	0.1250
528	0.0000	0.0625	0.0000	0.0000	0.1250
529	0.0625	0.0391	0.0000	0.0000	0.0938
530	0.0625	0.0391	0.0000	0.0000	0.0938
531	0.0313	0.0781	0.0000	0.0000	0.1875
532	0.0625	0.0157	0.0313	0.0313	0.1250
534	0.0313	0.0157	0.1250	0.1250	0.1250
540	0.0000	0.0625	0.0000	0.0000	0.2500
541	0.0625	0.0000	0.0625	0.0625	0.0000

	780	817	820	823	825
593	0.0625	0.1016	0.0000	0.0000	0.0313
595	0.0625	0.0157	0.0313	0.0313	0.1250
597	0.0781	0.0391	0.0157	0.0157	0.0625
625U	0.0000	0.0000	0.0000	0.0000	0.0000
626U	0.0000	0.0000	0.0000	0.0000	0.0000
629U	0.0625	0.0313	0.0000	0.0000	0.2500
630U	0.0000	0.0000	0.0000	0.0000	0.0000
635U	0.0625	0.0313	0.0000	0.0000	0.2500
664	0.0625	0.0391	0.1250	0.1250	0.0313
665	0.0625	0.0391	0.1250	0.1250	0.0313
667	0.0079	0.0391	0.1250	0.1250	0.0157
668	0.1875	0.0391	0.1250	0.1250	0.0313
671	0.0079	0.0391	0.0000	0.0000	0.0157
672	0.0391	0.0625	0.0000	0.0000	0.0781
701	0.0313	0.0781	0.0000	0.0000	0.1875
705	0.0157	0.0625	0.0000	0.0000	0.0938
751	0.0626	0.0625	0.0235	0.0235	0.0157
754	0.0313	0.0508	0.0625	0.0625	0.0469
755	0.0391	0.0391	0.0235	0.0235	0.0938
756U	0.0781	0.1250	0.0000	0.0000	0.0313
757	0.0079	0.0079	0.0000	0.0000	0.0157
758	0.0313	0.0508	0.0625	0.0625	0.0469
759	0.0313	0.0000	0.0938	0.0938	0.0000
763	0.0157	0.0157	0.1250	0.1250	0.0000
766	0.0079	0.0079	0.0000	0.0000	0.0157
770	0.0469	0.0274	0.0625	0.0625	0.1094
773	0.0079	0.0079	0.0000	0.0000	0.0157
774	0.0235	0.0079	0.0157	0.0157	0.0157
776	0.0313	0.0508	0.0625	0.0625	0.0469
777	0.0079	0.0391	0.0000	0.0000	0.0157
818	0.0313	0.0469	0.0000	0.0000	0.2500
819	0.0391	0.0625	0.0625	0.0625	0.0157
821	0.0313	0.0000	0.0938	0.0938	0.0000
822	0.0469	0.0274	0.0625	0.0625	0.1094
824U	0.0209	0.0104	0.0834	0.0834	0.0834
826	0.0391	0.0625	0.0625	0.0625	0.0157
827	0.0430	0.0000	0.0430	0.0430	0.0157
828	0.0391	0.0625	0.0625	0.0625	0.0157

Inbreeding coefficients for possible matings at: HIRAKAWA

304
31 0.2500

Inbreeding coefficients for possible matings at: MOSCOW

35 269 405
99 0.0000 0.0000 0.2500
247 0.0000 0.0000 0.0000

Inbreeding coefficients for possible matings at: HOPEI

342 368 496 498
343 0.0000 0.0000 0.0000 0.0000
362 0.0000 0.0000 0.0000 0.0000
364 0.0000 0.0000 0.0000 0.0000
494 0.0000 0.0000 0.0000 0.0000
495 0.0000 0.0000 0.0000 0.0000

Inbreeding coefficients for possible matings at: HARBIN

357 547
370 0.0000 0.0000
380 0.0000 0.0625
388 0.0000 0.0000
390 0.0000 0.0000
391 0.0000 0.0000

Inbreeding coefficients for possible matings at: NANCHANG
359
387 0.0000

Inbreeding coefficients for possible matings at: SHANGHAI
652
369 0.0000
551 0.0000

Inbreeding coefficients for possible matings at: SHENYANG
393
394 0.0000

Inbreeding coefficients for possible matings at: UARAB EM
634U 704 706
623U 0.0000 0.0000 0.0000
702 0.0000 0.0000 0.0000
707 0.0000 0.2813 0.0625

Inbreeding coefficients for possible matings at: KOLN
627U
631U 0.0000

Inbreeding coefficients for possible matings at: ALBUSTAN
628U 708 710
632U 0.0000 0.0000 0.0000
703 0.0000 0.0079 0.0000
709U 0.0000 0.0000 0.0000

Inbreeding coefficients for possible matings at: TOKYOTAMA
63 438 440 542
182 0.0000 0.2500 0.1250 0.1250
183 0.0000 0.1250 0.2500 0.2500
223 0.0000 0.2500 0.1875 0.0625
298 0.2500 0.1250 0.0625 0.1875
300 0.0000 0.2500 0.1875 0.0625
302 0.0000 0.1875 0.2500 0.1250
441 0.0000 0.1875 0.2500 0.1250
442 0.0000 0.1875 0.2500 0.1250
711U 0.0000 0.0000 0.0000 0.0000
727 0.1250 0.1563 0.2813 0.1563

Inbreeding coefficients for possible matings at: CAMBRON
148
28 0.0000
47 0.1250
404 0.2500
451 0.2500

Inbreeding coefficients for possible matings at: BERLIN TP
87 119
94 0.0000 0.0000
110 0.0000 0.0000

Inbreeding coefficients for possible matings at: WALSRODE
95 600
104 0.1250 0.3125
617 0.0625 0.0704
684 0.3125 0.3125

Inbreeding coefficients for possible matings at: RAMBOUILT
102 270
190 0.0000 0.2500
257 0.0000 0.1875

Inbreeding coefficients for possible matings at: OSAKA
103
113 0.0313

Inbreeding coefficients for possible matings at: FRANKLINP
109 801
144 0.0000 0.2500

Inbreeding coefficients for possible matings at: CINCINNAT
740
135 0.0704

Inbreeding coefficients for possible matings at: NOVOSIBRK
645U
164 0.0000

Inbreeding coefficients for possible matings at: ESTUDILLO
180 202
179 0.1563 0.0000
201 0.0000 0.2500

Inbreeding coefficients for possible matings at: RISKEN
253 255 620
233 0.1250 0.0000 0.0000
250 0.0000 0.0000 0.2500

Inbreeding coefficients for possible matings at: TALLIN
258 712 723 815 816
251 0.0000 0.2500 0.2500 0.2500 0.2500

Inbreeding coefficients for possible matings at: SENDAISHI
543
321 0.0625

Inbreeding coefficients for possible matings at: TASHKENT
518
479 0.0000

Inbreeding coefficients for possible matings at: KALININGR
544
643 0.0000

Inbreeding coefficients for possible matings at: ANAPA
574 717
575 0.2500 0.0000
718 0.0000 0.0000

Inbreeding coefficients for possible matings at: ROEVRUCHI
589
637 0.0000

Inbreeding coefficients for possible matings at: OSTRAVA
636
674 0.2500

Inbreeding coefficients for possible matings at: CHOMUTOV
715
719U 0.0000

Inbreeding coefficients for possible matings at: YAROSLAVZ
738
716 0.0000

Inbreeding coefficients for possible matings at: GARAN EC
730
734 0.0000

FOUNDER analysis - date: 12/12/2009

Dates: 01/01/1900 <= date Status: Living during 1 Jan 1900 -> 12 Dec 2009

Founder calculations omit UNKNOWNs.

Founders	1	4	5	15	17	18	19
Founders	25	27	31	35	37	39	42
Founders	52	67	68	73	74	75	82
Founders	85	339	340	341	342	343	344
Founders	345	351	355	357	358	359	360
Founders	361	362	364	365	366	368	369
Founders	370	371	374	387	388	390	391
Founders	393	394	494	495	496	497	498
Founders	499	557	558	559	585	602	614
Founders	651	652	653	655	656	657	686
Founders	687	688	689	690	724	783	784
Founders	787	788	789	790	791	WILD6	WILD7
Founders	WILD8	WILD9	WILD10	WILD11	WLD216	WLD217	WLDCO1
Founders	WLDCO3	WLDCO4					

Founder contributions

1.7500	18.9375	10.2500	1.2500	7.8750	16.1875	5.1250
2.3750	14.2500	1.0000	3.5000	5.6250	2.2500	27.3750
6.0000	5.0000	3.2500	19.8750	9.0000	20.3750	18.2500
3.2500	0.0000	0.5000	0.0000	0.0000	0.5000	0.0000
0.0000	14.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	5.7500	5.7500
7.1250	7.1250	10.1253	10.1253	2.8750	2.8750	14.5000
14.5000	4.5000					

Founders	1	4	5	15	17	18	19
Founders	25	27	31	35	37	39	42
Founders	52	67	68	73	74	75	82
Founders	85	339	340	341	342	343	344
Founders	345	351	355	357	358	359	360
Founders	361	362	364	365	366	368	369
Founders	370	371	374	387	388	390	391
Founders	393	394	494	495	496	497	498
Founders	499	557	558	559	585	602	614
Founders	651	652	653	655	656	657	686
Founders	687	688	689	690	724	783	784
Founders	787	788	789	790	791	WILD6	WILD7
Founders	WILD8	WILD9	WILD10	WILD11	WLD216	WLD217	WLDCO1
Founders	WLDCO3	WLDCO4					

Fractional contributions

0.0058	0.0624	0.0338	0.0041	0.0259	0.0533	0.0169
0.0078	0.0470	0.0033	0.0115	0.0185	0.0074	0.0902
0.0198	0.0165	0.0107	0.0655	0.0297	0.0671	0.0601
0.0107	0.0000	0.0016	0.0000	0.0000	0.0016	0.0000
0.0000	0.0461	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0016	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0189	0.0189
0.0235	0.0235	0.0334	0.0334	0.0095	0.0095	0.0478
0.0478	0.0148					

Founders	1	4	5	15	17	18	19
Founders	25	27	31	35	37	39	42
Founders	52	67	68	73	74	75	82
Founders	85	339	340	341	342	343	344
Founders	345	351	355	357	358	359	360
Founders	361	362	364	365	366	368	369
Founders	370	371	374	387	388	390	391
Founders	393	394	494	495	496	497	498
Founders	499	557	558	559	585	602	614
Founders	651	652	653	655	656	657	686
Founders	687	688	689	690	724	783	784
Founders	787	788	789	790	791	WILD6	WILD7
Founders	WILD8	WILD9	WILD10	WILD11	WLD216	WLD217	WLDCO1
Founders	WLDCO3	WLDCO4					

Number of living descendants

8	92	63	3	22	73	17
9	40	2	8	22	8	118
20	24	10	73	20	74	61
8	0	1	0	0	1	0
0	28	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	56	56
43	43	73	73	11	11	50
50	9					

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Studbook	Sire	Dam	Location	Prop. genome living desc.	unique among all living	Prob. allele will be lost
15	M	WILD	WILD OKA CRANE		0.2495	0.0904
18	M	WILD	WILD BARABOO		0.0003	0.0003
27	M	WILD	WILD CRACID BC		0.0000	0.0000
28	FWILD10	WILD11	CAMBRON	0.4970	0.2504	0.0781
30	F	WILD8	WILD9 CRACID BC	0.0000	0.0000	0.0000
31	F	WILD	WILD HIRAKAWA		0.2492	0.0976
33	MWILD10	WILD11	OKA CRANE	0.0009	0.0005	0.0006
35	M	WILD	WILD MOSCOW		0.0143	0.0128
37	M	WILD	WILD OKA CRANE		0.0308	0.0164
40	M	5	4 BARABOO	0.0013	0.0013	0.0006
42	F	WILD	WILD OKA CRANE		0.0000	0.0001
47	F	37	42 CAMBRON	0.0009	0.0000	0.0003
57	M	5	4 CRACID BC	0.0029	0.0029	0.0018
58	M	18	4 BARABOO	0.0008	0.0005	0.0004
61	M	18	4 CRACID BC	0.0001	0.0001	0.0000
63	M	5	12 TOKYOTAMA	0.0137	0.0093	0.0052
64	F	18	4 BARABOO	0.0001	0.0001	0.0001
67	M	WILD	WILD OKA CRANE		0.1239	0.0490
68	F	WILD	WILD OKA CRANE		0.1232	0.0454
73	M	WILD	WILD OKA CRANE		0.0005	0.0004
74	F	WILD	WILD CRACID BC		0.0001	0.0001
75	F	WILD	WILD OKA CRANE		0.0007	0.0004
78	M	40	13 BARABOO	0.0162	0.0000	0.0025
79	M	40	12 BARABOO	0.0008	0.0000	0.0002
82	M	WILD	WILD OKA CRANE		0.0000	0.0000
85	M	WILD	WILD OKA CRANE		0.0300	0.0199
86	F	18	12 BARABOO	0.0010	0.0000	0.0002
87	M	18	12 BERLIN TP	0.0135	0.0000	0.0011
89	F	33	42 OKA CRANE	0.0000	0.0000	0.0000
92	M	33	42 CRACID BC	0.0000	0.0000	0.0001
94	F	57	30 BERLIN TP	0.0000	0.0000	0.0001
95	M	27	30 WALSRODE	0.0000	0.0000	0.0000
97	F	61	25 OKA CRANE	0.0607	0.0607	0.0223
99	F	73	75 MOSCOW	0.0000	0.0000	0.0000
102	M	17	45 RAMBOUILT	0.0116	0.0116	0.0078
103	M	17	45 OSAKA	0.0106	0.0106	0.0077
104	F	61	30 WALSRODE	0.0000	0.0000	0.0000
107	M	18	45 BARABOO	0.0075	0.0073	0.0051
109	M	18	45 FRANKLINP	0.0024	0.0021	0.0024
110	F	57	30 BERLIN TP	0.0000	0.0000	0.0001
113	F	57	30 OSAKA	0.0000	0.0000	0.0004
116	F	17	19 CRACID BC	0.0003	0.0003	0.0009
119	M	27	25 BERLIN TP	0.0647	0.0647	0.0269
120	M	78	64 BARABOO	0.0000	0.0000	0.0005
126	F	27	30 BARABOO	0.0000	0.0000	0.0000
128	F	67	42 OKA CRANE	0.0012	0.0000	0.0003
131	F	79	45 BARABOO	0.0070	0.0070	0.0049
135	F	79	45 CINCINNAT	0.0075	0.0075	0.0053
137	M	78	64 BARABOO	0.0000	0.0000	0.0005
138	F	18	4 KEOLADEO	0.0014	0.0010	0.0005
140	F	18	4 KEOLADEO	0.0008	0.0006	0.0005
142	F	73	75 CRACID BC	0.0000	0.0000	0.0000
144	F	17	19 FRANKLINP	0.0352	0.0352	0.0151
148	M	35	42 CAMBRON	0.0037	0.0000	0.0011
149	M	33	42 CRACID BC	0.0000	0.0000	0.0000
151	F	17	60 BARABOO	0.0254	0.0193	0.0084
154	F	40	86 OKA CRANE	0.0000	0.0000	0.0000
163	M	73	75 CRACID BC	0.0002	0.0000	0.0001
164	F	73	75 NOVOSIBRK	0.0009	0.0000	0.0002

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167	F	27	30 CRACID BC	0.0000	0.0000	0.0000
179	F	78	64 ESTUDILLO	0.0000	0.0000	0.0005
180	M	18	4 ESTUDILLO	0.0007	0.0004	0.0004
182	FWLDCO3	WLDCO1	TOKYOTAMA	0.0004	0.0002	0.0002
183	FWLDCO3	WLDCO1	TOKYOTAMA	0.0002	0.0001	0.0001
190	F	82	89 RAMBOUILT	0.0000	0.0000	0.0000
193	M	67	39 TURKEY	0.3745	0.2465	0.0737
197	F	92	74 CRACID BC	0.0000	0.0000	0.0000
201	F	27	30 ESTUDILLO	0.0000	0.0000	0.0000
202	M	27	30 ESTUDILLO	0.0000	0.0000	0.0000
214	F	82	89 CRACID BC	0.0000	0.0000	0.0000
215	M	82	39 OKA CRANE	0.0142	0.0142	0.0100
218	FWLD216	WLD217	OKA CRANE	0.0309	0.0000	0.0046
219	FWLD216	WLD217	OKA CRANE	0.1247	0.0000	0.0117
221	F	17	86 CRACID BC	0.0018	0.0018	0.0017
223	F	62	182 TOKYOTAMA	0.0000	0.0000	0.0000
226	F	82	89 OKA CRANE	0.0001	0.0000	0.0000
233	F	67	42 RISKEN	0.1243	0.0000	0.0098
234	M	33	68 CRACID BC	0.0020	0.0000	0.0007
236	M	40	86 CRACID BC	0.0000	0.0000	0.0001
247	F	85	97 MOSCOW	0.0042	0.0000	0.0025
250	F	40	86 RISKEN	0.0000	0.0000	0.0001
251	F	82	128 TALLIN	0.0000	0.0000	0.0000
253	M	82	42 RISKEN	0.0001	0.0000	0.0000
255	M	33	68 RISKEN	0.0654	0.0000	0.0064
257	F	82	42 RAMBOUILT	0.0002	0.0000	0.0000
258	M	73	75 TALLIN	0.0001	0.0000	0.0000
259	M	40	86 CRACID BC	0.0000	0.0000	0.0000
269	M	37	42 MOSCOW	0.0031	0.0000	0.0009
270	M	82	89 RAMBOUILT	0.0000	0.0000	0.0000
276	F	15	42 CRACID BC	0.2506	0.0000	0.0181
277	F	78	64 CRACID BC	0.0000	0.0000	0.0005
284	F	17	60 BARABOO	0.0264	0.0204	0.0086
285	M	52	47 CRACID BC	0.0034	0.0034	0.0033
286	M	52	74 CRACID BC	0.0306	0.0306	0.0124
287	F	52	142 CRACID BC	0.0001	0.0001	0.0001
290	M	149	142 CRACID BC	0.0000	0.0000	0.0000
291	M	149	142 CRACID BC	0.0000	0.0000	0.0000
292	F	79	126 CRACID BC	0.0000	0.0000	0.0000
293	M	79	126 BARABOO	0.0000	0.0000	0.0000
298	F	63	182 TOKYOTAMA	0.0000	0.0000	0.0005
300	F	62	182 TOKYOTAMA	0.0000	0.0000	0.0000
302	F	62	183 TOKYOTAMA	0.0000	0.0000	0.0000
304	M	62	31 HIRAKAWA	0.2508	0.0000	0.0196
307	F	82	128 CRACID BC	0.0000	0.0000	0.0000
308	M	73	75 CRACID BC	0.0001	0.0000	0.0000
319	M	15	219 CRACID BC	0.1276	0.0000	0.0140
321	F	62	182 SENDAISHI	0.0000	0.0000	0.0000
324	F	61	142 CRACID BC	0.0000	0.0000	0.0000
325	F	149	142 CRACID BC	0.0000	0.0000	0.0000
326	F	149	74 CRACID BC	0.0000	0.0000	0.0000
327	F	61	142 CRACID BC	0.0000	0.0000	0.0000
328	F	149	74 CRACID BC	0.0000	0.0000	0.0000
329	F	149	74 CRACID BC	0.0000	0.0000	0.0000
330	M	149	142 CRACID BC	0.0000	0.0000	0.0000
339	F	WILD	WILD YANCHENG		1.0000	0.2500
340	M	WILD	WILD BEIJING		0.5000	0.1563
341	M	WILD	WILD BEIJING		1.0000	0.2500
342	M	WILD	WILD HOPEI		1.0000	0.2500
343	F	WILD	WILD HOPEI		0.5000	0.1563
344	U	WILD	WILD XUZHOU		1.0000	0.2500

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345	U	WILD	WILD XUZHOU		1.0000	0.2500
347	M	WLDCO3	WLDCO1 BEIJING	0.0009	0.0003	0.0003
348	F	FWLDCO3	WLDCO1 BEIJING	0.0005	0.0002	0.0003
349	F	FWLDCO3	WLDCO1 BEIJING	0.0008	0.0004	0.0004
351	M	WILD	WILD BEIJING		0.0000	0.0000
353	F	FWLDCO3	WLDCO1 BEIJING	0.0002	0.0001	0.0001
354	F	FWLDCO3	WLDCO1 BEIJING	0.0032	0.0016	0.0008
355	F	WILD	WILD BEIJING		1.0000	0.2500
356	F	FWLDCO3	WLDCO1 BEIJING	0.0000	0.0000	0.0000
357	M	WILD	WILD HARBIN		1.0000	0.2500
358	M	WILD	WILD ZHALONG		1.0000	0.2500
359	M	WILD	WILD NANCHANG		1.0000	0.2500
360	M	WILD	WILD ZHALONG		1.0000	0.2500
361	U	WILD	WILD XUZHOU		1.0000	0.2500
362	F	WILD	WILD HOPEI		1.0000	0.2500
364	F	WILD	WILD HOPEI		1.0000	0.2500
365	M	WILD	WILD HUANGSHAN		1.0000	0.2500
368	M	WILD	WILD HOPEI		1.0000	0.2500
369	F	WILD	WILD SHANGHAI		1.0000	0.2500
370	F	WILD	WILD HARBIN		1.0000	0.2500
371	M	WILD	WILD BEIJING		1.0000	0.2500
374	U	WILD	WILD QINHUANGD		1.0000	0.2500
376	F	FPLDCO4	WLDCO4 BEIJING	0.5024	0.5000	0.1257
379	M	351	356 BEIJING	0.0000	0.0000	0.0000
380	F	351	353 HARBIN	0.0000	0.0000	0.0000
381	F	351	356 BEIJING	0.0000	0.0000	0.0000
382	F	347	WLDCO4 NANJING	0.0016	0.0000	0.0008
383	F	351	354 BEIJING	0.0000	0.0000	0.0002
385	F	340	356 NANJING	0.5000	0.0000	0.0313
387	F	WILD	WILD NANCHANG		1.0000	0.2500
388	F	WILD	WILD HARBIN		1.0000	0.2500
390	F	WILD	WILD HARBIN		1.0000	0.2500
391	F	WILD	WILD HARBIN		1.0000	0.2500
393	M	WILD	WILD SHENYANG		1.0000	0.2500
394	F	WILD	WILD SHENYANG		1.0000	0.2500
400	F	79	126 BARABOO	0.0000	0.0000	0.0000
402	M	87	94 CRACID BC	0.0000	0.0000	0.0000
404	F	148	121 CAMBRON	0.0003	0.0002	0.0004
405	M	35	99 MOSCOW	0.0153	0.0000	0.0026
413	F	82	128 CRACID BC	0.0000	0.0000	0.0000
416	M	73	75 CRACID BC	0.0001	0.0000	0.0000
417	F	82	89 CRACID BC	0.0000	0.0000	0.0000
421	M	P42	42 OKA CRANE	0.2528	0.2528	0.0786
423	F	82	128 CRACID BC	0.0000	0.0000	0.0000
425	M	82	89 CRACID BC	0.0000	0.0000	0.0000
426	M	215	218 CRACID BC	0.0000	0.0000	0.0013
429	U	351	353 BEIJING	0.0000	0.0000	0.0000
435	U	351	353 NANNING	0.0000	0.0000	0.0000
437	U	351	356 SHANHAIGU	0.0000	0.0000	0.0000
438	M	62	182 TOKYOTAMA	0.0000	0.0000	0.0000
440	M	62	183 TOKYOTAMA	0.0000	0.0000	0.0000
441	F	62	183 TOKYOTAMA	0.0000	0.0000	0.0000
442	F	62	183 TOKYOTAMA	0.0000	0.0000	0.0000
443	F	149	142 CRACID BC	0.0000	0.0000	0.0000
444	F	27	74 CRACID BC	0.0000	0.0000	0.0000
446	M	27	74 CRACID BC	0.0000	0.0000	0.0000
448	M	P31	31 HIGASHI M	0.7508	0.5000	0.1446
450	M	111	47 CRACID BC	0.0003	0.0003	0.0004
451	F	148	121 CAMBRON	0.0001	0.0000	0.0003
453	M	111	47 CRACID BC	0.0080	0.0080	0.0039
479	F	73	75 TASHKENT	0.0006	0.0000	0.0001

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484 M	149	142	CRACID BC	0.0000	0.0000	0.0000
486 M	259	287	CRACID BC	0.0000	0.0000	0.0000
487 F	259	287	CRACID BC	0.0000	0.0000	0.0000
488 M	149	74	CRACID BC	0.0000	0.0000	0.0000
489 M	163	74	CRACID BC	0.0000	0.0000	0.0000
490 M	27	116	CRACID BC	0.0000	0.0000	0.0002
491 M	149	142	CRACID BC	0.0000	0.0000	0.0000
493 U	366	343	HOPEI	1.0000	0.5000	0.1563
494 F	WILD	WILD	HOPEI		1.0000	0.2500
495 F	WILD	WILD	HOPEI		1.0000	0.2500
496 M	WILD	WILD	HOPEI		1.0000	0.2500
497 M	WILD	WILD	YANCHENG		1.0000	0.2500
498 M	WILD	WILD	HOPEI		1.0000	0.2500
499 M	WILD	WILD	BEIJING		1.0000	0.2500
502 F	82	128	OKA CRANE	0.0001	0.0000	0.0001
505 M	73	75	OKA CRANE	0.0007	0.0000	0.0002
509 M	37	42	OKA CRANE	0.0322	0.0000	0.0033
510 F	73	75	OKA CRANE	0.0009	0.0000	0.0002
518 M	85	42	TASHKENT	0.0311	0.0000	0.0041
522 F	215	218	OKA CRANE	0.0000	0.0000	0.0030
525 M	259	287	CRACID BC	0.0000	0.0000	0.0000
526 F	149	142	CRACID BC	0.0000	0.0000	0.0000
527 M	149	142	CRACID BC	0.0000	0.0000	0.0000
528 F	27	74	CRACID BC	0.0000	0.0000	0.0000
529 F	27	214	CRACID BC	0.0000	0.0000	0.0000
530 F	27	214	CRACID BC	0.0000	0.0000	0.0000
531 F	149	74	CRACID BC	0.0000	0.0000	0.0000
532 F	149	30	CRACID BC	0.0000	0.0000	0.0000
533 M	27	214	CRACID BC	0.0000	0.0000	0.0000
534 F	149	142	CRACID BC	0.0000	0.0000	0.0000
535 M	259	287	CRACID BC	0.0000	0.0000	0.0000
536 M	149	142	CRACID BC	0.0000	0.0000	0.0000
537 M	259	287	CRACID BC	0.0000	0.0000	0.0000
538 M	57	30	CRACID BC	0.0000	0.0000	0.0003
540 F	27	74	CRACID BC	0.0000	0.0000	0.0000
541 F	57	30	CRACID BC	0.0000	0.0000	0.0003
542 M	63	183	TOKYOTAMA	0.0000	0.0000	0.0010
543 M	63	183	SENDAISHI	0.0000	0.0000	0.0010
544 M	35	99	KALININGR	0.0158	0.0000	0.0027
547 M	347	WLDLCO4	HARBIN	0.0018	0.0000	0.0008
548 U	347	WLDLCO4	NANNING	0.0019	0.0000	0.0008
550 U	351	WLDLCO4	XIAN	0.0016	0.0000	0.0007
551 F	351	348	SHANGHAIZ	0.0000	0.0000	0.0001
554 F	351	348	XIAN	0.0000	0.0000	0.0000
557 M	WILD	WILD	ZHALONG		1.0000	0.2500
558 U	WILD	WILD	HOPEI		1.0000	0.2500
559 U	WILD	WILD	HOPEI		1.0000	0.2500
574 M	269	247	ANAPA	0.0000	0.0000	0.0007
575 F	269	247	ANAPA	0.0000	0.0000	0.0007
578 U	351	WLDLCO4	BAOTING	0.0018	0.0000	0.0007
579 F	351	356	BAOTING	0.0000	0.0000	0.0000
580 U	351	356	BAOTING	0.0000	0.0000	0.0000
583 U	351	356	BAOTING	0.0000	0.0000	0.0000
585 U	WILD	WILD	CHANGCHUN		1.0000	0.2500
589 M	35	99	ROEVRUCHI	0.0162	0.0000	0.0027
591 M	27	142	CRACID BC	0.0001	0.0000	0.0000
592 M	163	167	CRACID BC	0.0000	0.0000	0.0000
593 F	52	214	CRACID BC	0.0631	0.0631	0.0189
595 F	149	30	CRACID BC	0.0000	0.0000	0.0000
597 F	425	167	CRACID BC	0.0000	0.0000	0.0000
598 M	416	142	CRACID BC	0.0000	0.0000	0.0000

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599 M	149	142	CRACID BC	0.0000	0.0000	0.0000
600 M	95	104	WALSRODE	0.0000	0.0000	0.0000
602 U	WILD	WILD	BEIJING		1.0000	0.2500
605 U	351	WLDLCO4	SHIH CHIA	0.0021	0.0000	0.0007
606 U	351	348	SHIH CHIA	0.0000	0.0000	0.0000
607 U	351	349	SHIH CHIA	0.0000	0.0000	0.0001
608 U	351	356	SHIH CHIA	0.0000	0.0000	0.0000
609 U	351	348	SHIH CHIA	0.0000	0.0000	0.0001
610 U	351	349	SHIH CHIA	0.0000	0.0000	0.0001
611 U	351	WLDLCO4	SHIH CHIA	0.0026	0.0000	0.0007
612 U	351	349	SHIH CHIA	0.0000	0.0000	0.0001
613 U	351	353	SHIH CHIA	0.0000	0.0000	0.0000
614 M	WILD	WILD	YANCHENG		1.0000	0.2500
616 M	149	110	CRACID BC	0.0000	0.0000	0.0000
617 F	149	110	WALSRODE	0.0000	0.0000	0.0000
620 M	255	250	RISKEN	0.0000	0.0000	0.0013
623 F	UNK	UNK	UARAB EM		1.0000	0.2500
624 M	UNK	UNK	CRACID BC		0.5000	0.1563
625 F	UNK	UNK	CRACID BC		1.0000	0.2500
626 F	UNK	UNK	CRACID BC		1.0000	0.2500
627 M	UNK	UNK	KOLN		1.0000	0.2500
628 M	UNK	UNK	ALBUSTAN		1.0000	0.2500
629 F	149	P149	CRACID BC	0.2529	0.2529	0.0730
630 F	UNK	UNK	CRACID BC		1.0000	0.2500
631 F	UNK	UNK	KOLN		1.0000	0.2500
632 F	UNK	UNK	ALBUSTAN		1.0000	0.2500
633 M	UNK	UNK	CRACID BC		1.0000	0.2500
634 M	UNK	UNK	UARAB EM		1.0000	0.2500
635 F	149	P149	CRACID BC	0.1246	0.1246	0.0489
636 M	35	99	OSTRAVA	0.0162	0.0000	0.0027
637 F	269	247	ROEVRUCHI	0.0000	0.0000	0.0007
639 U	347	WLDLCO4	BEIJING	0.0014	0.0000	0.0007
642 M	73	75	IRAN	0.0005	0.0000	0.0001
643 F	37	42	KALININGR	0.0329	0.0000	0.0034
645 M	P219	219	NOVOSIBRK	0.5000	0.5000	0.1274
646 M	82	128	OKA CRANE	0.0000	0.0000	0.0001
651 U	WILD	WILD	YANCHENG		1.0000	0.2500
652 M	WILD	WILD	SHANGHAIZ		1.0000	0.2500
653 U	WILD	WILD	SHANGHAIZ		1.0000	0.2500
655 U	WILD	WILD	NANCHANG		1.0000	0.2500
656 U	WILD	WILD	NANCHANG		1.0000	0.2500
657 U	WILD	WILD	JIANGNAN		1.0000	0.2500
658 U	351	353	BEIJING	0.0000	0.0000	0.0000
659 U	351	356	XIXIAKOU	0.0000	0.0000	0.0000
660 U	351	356	XIXIAKOU	0.0000	0.0000	0.0000
661 M	234	214	CRACID BC	0.0000	0.0000	0.0001
662 M	425	74	CRACID BC	0.0000	0.0000	0.0000
663 M	319	142	CRACID BC	0.0000	0.0000	0.0027
664 F	425	142	CRACID BC	0.0000	0.0000	0.0000
665 F	425	142	CRACID BC	0.0000	0.0000	0.0000
666 M	402	214	CRACID BC	0.0000	0.0000	0.0000
667 F	285	142	CRACID BC	0.0000	0.0000	0.0007
668 F	402	214	CRACID BC	0.0000	0.0000	0.0000
669 M	27	142	CRACID BC	0.0000	0.0000	0.0000
670 M	259	287	CRACID BC	0.0000	0.0000	0.0000
671 F	285	116	CRACID BC	0.0000	0.0000	0.0009
672 F	27	413	CRACID BC	0.0000	0.0000	0.0000
674 F	35	99	OSTRAVA	0.0146	0.0000	0.0026
675 M	119	110	KOBY P	0.0000	0.0000	0.0052
677 M	119	94	KOBY P	0.0000	0.0000	0.0053
683 M	82	128	OKA CRANE	0.0000	0.0000	0.0001

GENE DROP Analysis date: 12/12/2009

Dates: 01/01/1900 <= date Status: Living during 1 Jan 1900 -> 12 Dec 2009

(Allele loss calculations assume each animal has two more offspring.)

Studbook	Sire	Dam	Location	Prop. genome living desc.	unique among all living	Prob. allele will be lost
684	F	95	104 WALSRODE	0.0000	0.0000	0.0000
686	U	WILD	WILD CHANGCHUN		1.0000	0.2500
687	U	WILD	WILD CHANGCHUN		1.0000	0.2500
688	U	WILD	WILD YANCHENG		1.0000	0.2500
689	U	WILD	WILD GANTANG		1.0000	0.2500
690	U	WILD	WILD YANCHENG		1.0000	0.2500
691	U	351	353 BEIJING	0.0000	0.0000	0.0000
701	F	149	74 CRACID BC	0.0000	0.0000	0.0000
702	F	61	116 UARAB EM	0.0000	0.0000	0.0002
703	F	450	116 ALBUSTAN	0.0000	0.0000	0.0003
704	M	234	214 UARAB EM	0.0000	0.0000	0.0001
705	F	234	74 CRACID BC	0.0000	0.0000	0.0002
706	M	92	142 UARAB EM	0.0000	0.0000	0.0000
707	F	234	214 UARAB EM	0.0000	0.0000	0.0001
708	M	234	214 ALBUSTAN	0.0000	0.0000	0.0001
709	F	P30	30 ALBUSTAN	0.5000	0.5000	0.1250
710	M	27	74 ALBUSTAN	0.0000	0.0000	0.0000
711	F	UNK	UNK TOKYOTAMA		1.0000	0.2500
712	M	258	251 TALLIN	0.0000	0.0000	0.0000
713	U	111	47 CAMBRON	0.0071	0.0071	0.0036
714	U	111	47 CAMBRON	0.0087	0.0087	0.0041
715	M	85	97 CHOMUTOV	0.0292	0.0000	0.0084
716	F	85	154 YAROSLAVZ	0.0331	0.0000	0.0042
717	M	215	218 ANAPA	0.0000	0.0000	0.0030
718	F	33	68 ANAPA	0.1233	0.0000	0.0092
719	F	421	75 CHOMUTOV	0.0002	0.0000	0.0155
723	M	258	251 TALLIN	0.0000	0.0000	0.0000
724	U	WILD	WILD BERLINZOO		1.0000	0.2500
727	F	440	298 TOKYOTAMA	0.0000	0.0000	0.0001
730	M	215	218 GARAN EC	0.0000	0.0000	0.0030
734	F	33	154 GARAN EC	0.0000	0.0000	0.0001
738	M	37	42 YAROSLAVZ	0.0306	0.0000	0.0033
740	M	109	144 CINCINNAT	0.0000	0.0000	0.0033
751	F	259	307 CRACID BC	0.0000	0.0000	0.0000
752	M	402	214 CRACID BC	0.0000	0.0000	0.0000
753	M	402	142 CRACID BC	0.0000	0.0000	0.0000
754	F	533	287 CRACID BC	0.0000	0.0000	0.0000
755	F	259	531 CRACID BC	0.0000	0.0000	0.0000
756	F	624	307 CRACID BC	0.5000	0.0000	0.0313
757	F	450	116 CRACID BC	0.0000	0.0000	0.0003
758	F	533	287 CRACID BC	0.0000	0.0000	0.0000
759	F	416	30 CRACID BC	0.0000	0.0000	0.0000
760	M	402	142 CRACID BC	0.0000	0.0000	0.0000
761	M	234	214 CRACID BC	0.0000	0.0000	0.0001
762	M	308	307 CRACID BC	0.0000	0.0000	0.0000
763	F	426	142 CRACID BC	0.0000	0.0000	0.0003
764	M	426	287 CRACID BC	0.0000	0.0000	0.0003
765	M	149	529 CRACID BC	0.0000	0.0000	0.0000
766	F	450	116 CRACID BC	0.0000	0.0000	0.0003
767	M	402	307 CRACID BC	0.0000	0.0000	0.0000
768	U	416	142 CRACID BC	0.0000	0.0000	0.0000
769	M	308	292 CRACID BC	0.0000	0.0000	0.0000
770	F	291	530 CRACID BC	0.0000	0.0000	0.0000
771	M	402	307 CRACID BC	0.0000	0.0000	0.0000
772	M	308	292 CRACID BC	0.0000	0.0000	0.0000
773	F	450	116 CRACID BC	0.0000	0.0000	0.0003
774	F	450	221 CRACID BC	0.0000	0.0000	0.0005
775	M	533	530 CRACID BC	0.0000	0.0000	0.0000
776	F	533	287 CRACID BC	0.0000	0.0000	0.0000
777	F	285	116 CRACID BC	0.0000	0.0000	0.0009
778	M	285	292 CRACID BC	0.0000	0.0000	0.0007

GENE DROP Analysis date: 12/12/2009

Dates: 01/01/1900 <= date Status: Living during 1 Jan 1900 -> 12 Dec 2009

(Allele loss calculations assume each animal has two more offspring.)

Studbook	Sire	Dam	Location	Prop. genome living desc.	unique among all living	Prob. allele will be lost
779 M	259	287	CRACID BC	0.0000	0.0000	0.0000
780 M	402	417	CRACID BC	0.0000	0.0000	0.0000
781 U	351	356	BEIJING	0.0000	0.0000	0.0000
783 U	WILD	WILD	ZHALONG		1.0000	0.2500
784 U	WILD	WILD	PANJINZOO		1.0000	0.2500
785 M	UNK	UNK	TONGLING		1.0000	0.2500
786 F	UNK	UNK	TONGLING		1.0000	0.2500
787 U	WILD	WILD	TONGLING		1.0000	0.2500
788 U	WILD	WILD	TONGLING		1.0000	0.2500
789 U	WILD	WILD	TONGLING		1.0000	0.2500
790 U	WILD	WILD	TONGLING		1.0000	0.2500
791 U	WILD	WILD	TONGLING		1.0000	0.2500
801 M	109	144	FRANKLINP	0.0000	0.0000	0.0034
807 M	33	226	OKA CRANE	0.0000	0.0000	0.0001
811 F	85	154	OKA CRANE	0.0301	0.0000	0.0040
812 F	33	154	OKA CRANE	0.0000	0.0000	0.0001
814 U	440	298	TOKYOTAMA	0.0000	0.0000	0.0001
815 M	258	251	TALLIN	0.0000	0.0000	0.0000
816 M	258	251	TALLIN	0.0000	0.0000	0.0000
817 M	286	423	CRACID BC	0.0000	0.0000	0.0025
818 F	149	540	CRACID BC	0.0000	0.0000	0.0000
819 F	308	307	CRACID BC	0.0000	0.0000	0.0000
820 M	402	142	CRACID BC	0.0000	0.0000	0.0000
821 F	416	30	CRACID BC	0.0000	0.0000	0.0000
822 F	291	530	CRACID BC	0.0000	0.0000	0.0000
823 M	402	142	CRACID BC	0.0000	0.0000	0.0000
824 F	308	635	CRACID BC	0.0000	0.0000	0.0099
825 M	149	540	CRACID BC	0.0000	0.0000	0.0000
826 F	308	307	CRACID BC	0.0000	0.0000	0.0000
827 F	259	292	CRACID BC	0.0000	0.0000	0.0000
828 F	308	307	CRACID BC	0.0000	0.0000	0.0000
WILD6 M	WILD	WILD	WILD		0.3914	0.1004
WILD7 F	WILD	WILD	WILD		0.3898	0.1000
WILD8 M	WILD	WILD	WILD		0.5000	0.1250
WILD9 F	WILD	WILD	WILD		0.5000	0.1250
WILD10 M	WILD	WILD	WILD		0.2535	0.0789
WLD216 M	WILD	WILD	KUNOVAT		0.2482	0.0700
WLD217 F	WILD	WILD	KUNOVAT		0.2449	0.0692
WLDCO3 M	WILD	WILD	BEIJING		0.0038	0.0013
WLDCO4 F	WILD	WILD	BEIJING		0.0017	0.0035

 113 Founders 308 Living descendants 428 In analysis

FOUNDER ALLELE REPRESENTATION

Founder	Retention	%Representation		Target		Difference	
		with unk	w/o	with unk	w/o	with unk	w/o
1 M	0.493	0.574	0.583	0.455	0.542	-0.119	-0.041
4 F	0.999	6.139	6.230	0.923	1.099	-5.216	-5.132
5 M	0.922	3.329	3.378	0.852	1.014	-2.477	-2.365
15 ML	0.751	0.405	0.411	0.924	1.099	0.520	0.689
17 M	0.995	2.557	2.595	0.920	1.094	-1.637	-1.500
18 ML	1.000	5.250	5.328	0.924	1.099	-4.326	-4.229
19 F	0.868	1.664	1.688	0.802	0.954	-0.862	-0.734
25 F	0.750	0.772	0.783	0.693	0.824	-0.079	0.041
27 ML	1.000	4.627	4.696	0.924	1.099	-3.703	-3.597
31 FL	0.751	0.325	0.329	0.924	1.099	0.599	0.770
35 ML	0.986	1.136	1.153	0.924	1.099	-0.212	-0.053
37 ML	0.969	1.832	1.859	0.924	1.099	-0.908	-0.760
39 F	0.746	0.734	0.745	0.690	0.821	-0.045	0.075
42 FL	1.000	8.854	8.985	0.924	1.099	-7.930	-7.886
52 M	0.939	1.945	1.974	0.867	1.032	-1.077	-0.942
67 ML	0.876	1.625	1.649	0.924	1.099	-0.701	-0.549
68 FL	0.877	1.053	1.068	0.924	1.099	-0.129	0.031
73 ML	1.000	6.468	6.564	0.924	1.099	-5.544	-5.465
74 FL	1.000	2.920	2.963	0.924	1.099	-1.996	-1.864
75 FL	0.999	6.604	6.702	0.924	1.099	-5.680	-5.603
82 ML	1.000	5.930	6.018	0.924	1.099	-5.006	-4.919
85 ML	0.970	1.056	1.072	0.924	1.099	-0.132	0.028
339 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
340 ML	0.500	0.162	0.165	0.924	1.099	0.762	0.935
341 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
342 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
343 FL	0.500	0.162	0.165	0.924	1.099	0.762	0.935
344 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
345 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
351 ML	1.000	4.545	4.613	0.924	1.099	-3.621	-3.513
355 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
357 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
358 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
359 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
360 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
361 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
362 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
364 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
365 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
366 M	0.500	0.162	0.165	0.462	0.550	0.300	0.385
368 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
369 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
370 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
371 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
374 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
387 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
388 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
390 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
391 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
393 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
394 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
494 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
495 FL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
496 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
497 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
498 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
499 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
557 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
558 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
559 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
585 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
602 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099

FOUNDER ALLELE REPRESENTATION							
Founder	Retention	%Representation		Target		Difference	
		with unk	w/o	with unk	w/o	with unk	w/o
614 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
623 FLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
624 MLU	0.500	0.162	0.000	0.924	0.000	0.762	0.000
625 FLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
626 FLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
627 MLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
628 MLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
630 FLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
631 FLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
632 FLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
633 MLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
634 MLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
651 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
652 ML	0.000	0.000	0.000	0.924	1.099	0.924	1.099
653 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
655 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
656 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
657 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
686 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
687 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
688 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
689 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
690 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
711 FLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
724 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
783 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
784 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
785 MLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
786 FLU	0.000	0.000	0.000	0.924	0.000	0.924	0.000
787 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
788 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
789 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
790 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
791 UL	0.000	0.000	0.000	0.924	1.099	0.924	1.099
P30 M U	0.500	0.162	0.000	0.462	0.000	0.300	0.000
P31 M U	0.500	0.162	0.000	0.462	0.000	0.300	0.000
P42 M U	0.500	0.243	0.000	0.462	0.000	0.219	0.000
P149 F U	0.753	0.406	0.000	0.696	0.000	0.290	0.000
P219 M U	0.500	0.162	0.000	0.462	0.000	0.300	0.000
WILD6 ML	0.609	1.880	1.907	0.924	1.099	-0.955	-0.808
WILD7 FL	0.610	1.863	1.890	0.924	1.099	-0.938	-0.791
WILD8 ML	0.500	2.311	2.345	0.924	1.099	-1.386	-1.245
WILD9 FL	0.500	2.313	2.347	0.924	1.099	-1.389	-1.248
PLDCO4 M U	0.500	0.162	0.000	0.462	0.000	0.300	0.000
WILD10 ML	0.747	3.295	3.343	0.924	1.099	-2.371	-2.244
WILD11 F	0.750	3.302	3.351	0.693	0.825	-2.608	-2.526
WLD216 ML	0.752	0.933	0.947	0.924	1.099	-0.009	0.152
WLD217 FL	0.755	0.935	0.949	0.924	1.099	-0.011	0.150
WLDCO1 F	0.995	4.709	4.779	0.920	1.094	-3.789	-3.685
WLDCO3 ML	0.996	4.707	4.777	0.924	1.099	-3.783	-3.678
WLDCO4 FL	0.998	1.461	1.483	0.924	1.099	-0.537	-0.383

Number of living descendants: 308

Proportion ancestry known: 0.985

GENETIC SUMMARY	LIVING DESCENDANT POPULATION		POTENTIAL	
	with unknowns	w/o	w/ unkn	w/o
Number of founders:	44	37	113	93
Mean retention:	0.781	0.827	0.958	0.978
Founder genomes surviving:	34.355	30.602	108.211	90.958
Founder Genome Equivalents:	17.210	16.730	108.211	90.958
Fraction source gene diversity retained:	0.971	0.970	0.995	0.995
Fraction wild source gene diversity lost:	0.029	0.030	0.005	0.005
Mean inbreeding coefficient:	0.009		0.005	

Location Glossary - SIBERIAN CRANE Studbook

- ALBUSTAN Al Bustan Zoological Center p
(Albustan Wildlife Breeding Ctr), Sharjah, Ash Sharigah, United Arab Emirates
- ANAPA DoDo Zoo Anapa
Su-Psech, ul. Zholoba, 88-b, 353411 Anapa, Russia
- ANQING Anqing Zoological Garden Anqing, Anhui (anhwei), China, 246000
- BAOTING Baoding Zoological Garden 55 Yong Hua Nan Ave., Baoding, Hopeh, China, 071000
- BARABOO International Crane Foundation
PO Box 447, Baraboo, Wisconsin, USA, 53913-0447
- BEIJING Beijing Zoological Gardens
137 Xi Zhi Men Wai Street, Beijing, China, 100044
- BERLIN TP Tierpark Berlin-Friedrichsfelde GmbH
Am Tierpark 125, D-10307 Berlin, Germany
- BREMEHR L Hof Bremehr GmbH, Verl, Germany, 33415
- CAMBRON Parc Paradisio S.A. de
Domaine de Cambron 1, Cambron-asteau, Belgium, B-7940
- CHANGCHUN Changchun Zoological and Botanical Gdn
2121# Ziyou Street, Changchun, Kirin, China, 130022
- CHANGSHA Changsha Zoological Garden
108# Deya Road, Changsha, Hunan, China, 410003
- CHICHIHAL Qiqihar Longsha Park
32# Gongyuan Road, Longsha Dist., Qiqihar, Heilungkiang, China, 161005
- CHOMUTOV Podkrusnohorsky Zoopark Chomutov
Premyslova 259, Chomutov, Czech Republic, CZ-430 01
- CINCINNAT Cincinnati Zoo & Botanical Garden
3400 Vine St., Cincinnati, Ohio, USA, 45220-1399
- CRACID BC Cracid Breeding & Conservation Ctr.
Heirbaan 27, 3620 Neerharen, Belgium
- DETROIT Detroit Zoological Society
8450 W 10 Mile Rd., Royal Oak, Michigan, USA, 48067-3001
- ESTUDILLO Jesus Estudillo Lopez Rumania 909, Colonia Portales, D.f., Mexico, 13
- FRANKLINP Zoo New England, Franklin Park Zoo
1 Franklin Park Rd., Boston, Massachusetts, USA, 02121
- GANTANG Zoo Gantang China
- GARAN EC GARAN ECO CENTER Bukhara, Uzbekistan 706100, Kagan GCP
- HANGCHOW Hangchow Zoological Garden 40 Hu Pao Ave, Hangchow, Chekiang, China
- HARBIN Harbin Northern Forest Zoo
95 He Xing Street, Harbin, Heilungkiang, Republic Of China, 150300
- HIGASHI M Saitama Children's Zoo
554 Iwadono, Higashimatuyama, Saitama, Japan, 355-0065

HIRAKAWA Hirakawa Zoological Park
Hirakawa-cho 5669-1, Kagoshima-shi, Kagoshima, Japan, 891-0133

HOPEI Hopei Xiaoyaotsin Park Hopei, Anhui (anhwei), China

HUANGSHAN Zoo Huangshan China

JIANGNAN Zoo Jiangnan China

JIUJIANG Jiujiang Zoological Garden Jiujiang, Jiangxi, China

KALININGR Kaliningrad Zoo
Prospekt Mira 26, Kaliningrad, Russia, 236000

KOLN Cologne Zoo
Riehler Strasse 173, Koeln, N Rhine-westph, Germany, D-50735

KOOY P Waterfowl BreedFarm-F.A.PeterKooy&Sons
Parallelweg 45, PO Box 1, 't Zand, Zeeland, Netherlands, 1756 ZG

LANGFANG Langfang People's Park Langfang, Hopeh, China

LIAONING LIAONING China, Far Eastern Asia, Asian Region

MARLOW BP Bird Park Marlow
Klzower Chaussee, 18337 Marlow, Germany

MOSCOW Moscow Zoological Park
Bolshaya Gruzinskaya 1, Moscow, Russia, 123242

NANCHANG Nanchang Zoological Garden
Nanchang, Kiangsi, China, 330046

NANJING Nanjing Hongshan Forest Zoo
168 Heyan Road, Nanjing, Fujian, China, 210028

NANNING Nanning Zoological Garden
3# Xixiangtang West Road, Nanning, Guangxi, China, 530012

NOVOSIBRK Novosibirsk Zoological Park
Municipal Unitary Enterprise, Novosibirsk, Russia, 630001

OKA CRANE Oka Crane Breeding Center
p/o Lakash, Spassky R-n, Ryazanskaya Obl, Russian Fed, 391072

OSAKA Osaka Municipal Tennoji Zool. Gdns.
1-108 Chausuyama-cho, Osaka, Osaka, Japan, 543-0063

OSTRAVA Zoologicka zahrada Ostrava
Michalkovicka 197, 710 00 Ostrava, Czech Republic

PANJINZOO Panjing Zoo Panjin, Liaoning, China, 124000

QINHUANGD Qinghuangdao Peoples Park Qinhuangdao, Hebei, China, 066000

RAMBOUILT Reserve Zool De Sauvage Rambouillet, Yvelines, France

RISKEN Heinrich Risken Germany, 49214

ROEVRUCHI Krasnoyarsk Flora & Fauna, Roev Ruchei
ul. Sverdlovskaya 291, Krasnoyarsk, Krasnoyarskiy K, Russia, 660054

SENDAISHI Yagiyama Zoological Park Sendai
Yagiyama-honmachi 1-43, Sendai-shi, Miyagi, Japan, 982-0801

SHANGHAI Shanghai Wild Animal Park
Sanzao, Pudong Nanhui, Shanghai, China, 201300

SHANGHAIZ Shanghai Zoological Garden
2381 Hong Qiao Road, 200335 Shanghai, Kiangsu, China

SHENYANG Shenyang Zoological Garden
Shenyang, Liaoning, China

SHIH CHIA Shijiazhuang Zoological Garden
Xiangyang Street, Shijiazhuang, Hebei (hopeh), Republic Of China, 050200

TALLIN Tallinn Zoo
Paldiski Road 145, Tallinn, Estonia, EE-13522

TASHKENT Tashkent Zoological Park
Jakhon Abidovoi 232A, Tashkent 700053, Uzbekistan

TIANJIN Tianjin Zoological Park Tianjin, Tianjin, China

TOKYOTAMA Tama Zoological Park
7-1-1 Hodokubo, Hino-shi, Tokyo, Japan, 191-0042

TONGLING Tongling Tianjing Lake Park Zoo Tongling, Anhui (anhwei), China, 244100

TSINAN Tsinan Zoological Garden Tsinan, Shantung, China

WALSRODE Vogelpark Walsrode
Am Rieselbach, D-29664 Walsrode, Germany

XIAN Yangliang Park Xian, Shanzi, China

XIANGTAN Xiangtan Heping Park
32# Chezhan Road, Xiangtan, Hunan, China, 411100

XIXIAKOU Xixiakou Wild Animal Park Rongcheng, Shandong, China

XUZHOU Xuzhou Pengyuan Zoo Xuzhou, Jiangsu, China, 221009

YANCHENG Yancheng Peoples Park Yancheng, Jiangsu, China, 332000

YAROSLAVZ YAROSLAVL ZOO
Yaroslavl, 150007 Shevelyukha st. 137, Russia

ZHALONG Zhalong Nature Reserve
Tiefeng District, Qiqihar, Heilongjiang, China, 161002

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Specific Siberian Crane info and a literature list can be found on www.sibeflyway.org

Frontpage: Breeding Siberian Crane in Oka Crane Breeding Center 2007 Photo by: Tatiana Kashentseva