

Deutscher Club für Nordische Hunde e.V.



Annual report 2012

The 18th International seminar for
the Icelandic Sheepdog
Kopenhagen 25th-27th October 2013



Club information

Board members

Chairman:

Guido Schäfer	Koblenzer Str. 4d 56759 Kaisersesch eMail: DCNH-Vorsitzender@t-online.de 02653 911264

Vice Chairman:

Nadja Robien	Achtern Diek 8 24239 Achterwehr EMail: nadja.robien@gmail.com 04340 4192992

Treasurer:

Petra Schnupp	Freiheit 19a 53721 Siegburg eMail: petra.schnupp@arcor.de 02241-1270638
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Secretary:

Jenny Zeimetz	Dortebachstr. 11 56759 Kaisersesch eMail: Geschaeftsstelle@dcnh.de 02653 914554
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Commitees

Breeding comittee	Michael Schnupp	Freiheit 19a 53721 Siegburg eMail: dcnh-fb-zucht@t-online.de 02241-1270638
representative for hunting-, herding- and Japanese dogs	Steffen Kopsch	Elbufer Str. 44a 21423 Winsen eMail: kopschi@web.de

Others

Breeding representative Icelandic Sheepdog	Susanne Schütte	Im Mühlental 12 58642 Iserlohn Tel. 0049-2374-914246 eMail: Susanne-Schuette@t-online.de or Susanne-Schuette@islandhund.com
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Club information

Club members

	2011 31 th December	2010 31 th December	2009 31 th December	2008 31 th December	2007 31 th December
Members					
New members this year					

Summary

No project for icelandic sheepdogs in 2012

Summary

2012 29 eye-examinations have been made

6 dogs were checked a second time

We found 2 dogs with MPP (iris) one of them was diagnosed in 2011 with the same result.

2013 until 13th September

43 eye-examinations have been made

7 dogs were checked a second time

We found 1 dog with cataract, 1 dog with suspicion for cataract, this Dog is free 6 month later, 3 dogs with MPP (iris), 1 dog with suspicion For PRA

2012 37 dogs were x-rayed, 31 were free (A+B), 6 (C;D;E)

2013 until 13th September

45 dogs were x-rayed, 38 were free (A+B), 7 (C;D;E)

Susanne Schütte, breedrepresentative DCNH for herding dogs

Statistics overview and comments, registrations

Litters

	2012	2011	2010	2009	2008	2007
Litters	12	16	17	7	8	5
Puppies registered	61	88	79 (80)	32 (33)	48 (51)	68 (71)
Average size of litters	5,08	5,5	4,65	4,57	6	4,53
Average inbreeding %	0,53	0,9	0,79	0,93	2,16	3,08

Generation Interval

Father – Son	4,7 years
Father – Daughter	4,7 years
Mother – Son	4,0 years
Mother – Daughter	4,4 years

Imports

	2012	2011	2010	2009	2008
Iceland	2	2	2	1	3
Sweden		1	1		
Danmark			1	1	
Swiss		2			1
Finland	1	1			
Netherland	1			3	
Norway	1				1
USA	1	1			

Further comments:

It is not easy to get information about imports, because it is only necessary to registrate in DCNH studbook when the dog is a breeding dog.

Stud dogs

Who have reached – or are close – to the “ISIC breeding limit”

Males – Matadors in Germany calculated with Lathunden						
ID Nr.	Name	Birth	Inbreeding	Litter	Children	grandchildren
IH 00140/00	Fjalla Breki	07.03.99	4,4	13	67	105
IH 00293/03	Eldur of Brooks Range	29.06.03	2,7	8	38	16
IH 00351/04	Kersins Katur	16.12.02	4,3	6	35	88
IH 00415/05	Tinni	04.10.03	2,4	8	34	17
IH 00268/03	Cleo vom Lechfeld	07.01.03	5,1	7	38	17
IH 00123/99	Leirubakka Smari	11.03.98	4,2	9	27	16
IH 00443/06	Isdalurs Askur	04.07.06	0,8	6	30	5
IH 00225/02	Blikki vom Lindenweberhof	12.04.02	3,6	8	23	0
IH R0232/97	Skotti frá Thytur Stadir	07.11.95	7,6	5	21	42
IH 00197/01	Sindra Snaebjartur	31.07.97	11,4	7	22	6
IH R0246/00	Mouk van Het Reutse Veld	19.10.98	12,5	6	20	23
IH 00159/00	Tyri vom Schloss Neubronn	30.11.00	3,6	5	15	39
IH R0247/00	Lagsi frá Thytur Stadir	16.11.97	7,6	3	14	18
IH R0263/03	Kopasker frá Thytur Stadir	27.06.01	8,2	8	14	0
IH 00118/99	Reddi vom Schloss Neubronn	04.04.99	5,1	2	13	26
IH 00168/01	Kappi	16.10.98	5,3	5	13	7
IH 00219/02	Afram frá Gull Lyklinum	01.04.00	5,9	5	16	49
IH R0224/96	Jaki frá Thytur Stadir	30.05.93	1	9	10	70
IH R0235/98	Aurin frá Bjarkarlundi	13.06.98	2,7	6	7	43
IS 04150/96	Yrar Akkur	26.03.96	1,4		5	34
IS 03416/95	Sunnusteins Canis	27.10.94	10		2	36
IS 05149/98	Laekjamots Katur	17.08.98	4,8		1	34

Statistics overview and comments, registrations

Females					
Reg nr.	Name of the dog	Year of birth	No. of Litters	No. of Puppies	No of grandchildren
DCNH IH 00137/99	Saeta vom Schloss Neubronn	1999	6	34	26
DCNH IH 00132/99 castrated	Askja vom Lechfeld	1999	7	33	78
IS 0002/82 dead	Bina fra Keldnakoti	1981	6	30	79
IS 03929/96 dead	Harka	1995	5	29	97
DCNH IH 00340/04	C-Fjalla Skjona vom Lindenweberhof	2004		28	10
DCNH IH 00161/00 dead	Toa vom Schloss Neubronn	2000	5	26	65
DCNH IH 00277/03	Assy vom Schloss Neubronn	2003		26	8
DCNH IH 00102/98	Puma vom Schloss Neubronn	1998	4	24	113
DCNH IH R0237/98 dead	Aishe fra Bjarkarlundi	1998	4	23	46
DCNH IH 00377/05	Stjörnuljosa Mana Syn	2003	3	23	55
DCNH IH R0013/80 dead	Dufa	1979	3	21	53
DCNH IH 00425/06	Ansvör Smilla von der Kinnwies	2006	3	21	0
DCNH IH 00148/00	A-Hjördis of Brooks Range	2000	3	17	59
DCNH IH R0238/98 castrated	Agnea fra Bjarkarlundi	1998	2	14	46
NHSB 1924639 dead	Fina fra Thytur Stadir	1994	3	14	65
DCNH IH R0047/82 dead	Tofa von der Schreverdeide	1982	2	11	59
DCNH IH 00284/03	Dyrgja of Brooks Range	2003	3	11	41

Further comments:

Hip Dysplasia (HD)

Total number of x-rayed dogs	2012	2011	2010	2009	2008
A	19 (51,35%)	17 (53,13%)	6 (37,5%)	6 (33,33%)	5 (27,78%)
B	12 (32,43%)	9 (28,13%)	7 (43,75%)	7 (38,89%)	8 (44,44%)
A+B	31 (83,78%)	26 (81,25%)	13 (81,25%)	13 (72,22%)	13 (72,22%)
C	5 (13,51%)	4 (12,5%)	3 (18,75%)	2 (11,11%)	4 (22,22%)
D	0	1 (3,13%)	0	1 (5,55%)	1 (5,56%)
E	1 (2,7%)	1 (3,13%)	0	2 (11,11%)	0
C+D+E	6 (16,22%)	6 (18,75%)	3 (18,75%)	5 (27,78%)	5 (27,78%)
In total	37	32	16	18	18

Further comments:

Elbow dysplasia (ED)

Total number of x-rayed dogs	2011	2010	2009	2008	2007
Level 0					
Level 1					
Level 2					
Level 3					
In total					

Further comments:

Patella luxation:

Total number of x-rayed dogs	2011	2010	2009	2008	2007
Level 0					
Level 1					
Level 2					
Level 3					
In total					

Further comments:

Eye examinations

Total number of x-rayed dogs	2012	2011	2010	2009	2008
Unaffected signifiers (free)	27	30	17	22	24
Hereditary Cataract	0	0	0	0	0
Cornea Distrophe	0	0	0	0	0
Distichiatis	0	1	0	0	0
Others (see below)	2	5	0	0	0
In total	29	36	17	22	24

Other hereditary eye diseases:

Further comments:

Health, optional testing

	2011	2010	2009	2008	2007
BEAR (Hearingdiseases)					
Heart diseases					
Kidney diseases					

Further comments:

Mentality descriptions

	2011	2010	2009	2008	2007
Descripted dogs					
In total					

Further comments:

Working abilities (herding) descriptions

	2011	2010	2009	2008	2007
Descripted dogs					
In total					

Further comments:

Shows

	2011	2010	2009	2008	2007
Number of shows					
Number of dogs					
In total (dogs)					

Further comments:

Events

Appendix

Litters

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Litters	2	6	5	5	9	10	13	7	12	10	15	8	7	17	16	12
Puppies	11	32 (34)	29 (30)	25 (26)	51 (53)	55 (57)	64 (68)	30	63 (65)	47 (48)	68 (71)	48 (51)	32 (33)	79 (80)	88	61
Average size of litters	5,5	5,3 (5,7)	5,8 (6,0)	5,0 (5,2)	5,7 (5,9)	5,5 (5,7)	4,93 (5,23)	4,29	5,3 (5,4)	4,7 (4,8)	4,53 (4,73)	6,0 (6,38)	4,57 (4,71)	4,65 (4,71)	5,5	5,08
Average inbreeding %	11,1	3,88	4,2	2,64	4,73	4,11	3,75	5,27	5,3	2,62	3,08	2,16	0,93	0,79	0,9	0,53

Imports

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Netherland	2	4	1	6	1	0	2	1	0	0	0	0	3	0	0	1
Iceland	0	3	3	0	1	1	2	0	1	1	3	3	1	2	2	2
Danmark	0	1	1	0	0	3	0	1	0	0	2	0	1	1	0	0
Sweden	0	0	0	0	0	0	0	2	0	0	0	0	0	1	1	0
Norway	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Finland	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
France	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Switzerland	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0
USA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1

Appendix

Hip Dysplasia (HD)

Total number of x-rayed dogs	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
A	4	2	1	15	6	6	5	7	4	2	4	5	6	6	17	19
B	2	2	2	2	2	7	4	6	5	6	6	8	6	7	9	12
A+B	6	4	3	17	8	13	9	13	9	8	10	13	12	13	26	31
C	2	0	0	1	3	1	1	7	3	2	3	4	2	3	4	5
D	0	0	1	2	1	3	3	1	0	1	1	1	1	0	1	0
E	0	0	1	1	0	0	1	0	1	0	0	0	2	0	1	1
C+D+E	2	0	2	4	4	4	5	8	4	3	4	5	5	3	6	6
In total	8	4	5	21	12	17	14	21	13	11	14	18	17	16	32	37

Elbow dysplasia (ED)

Total number of x-rayed dogs	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Level 0															
Level 1															
Level 2															
Level 3															
In total															

Appendix

Patella luxation:

Total number of x-rayed dogs	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Level 0															
Level 1															
Level 2															
Level 3															
In total															

Eye examinations

Total number of x-rayed dogs	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Unaffected signifies (free)	8	4	6	17	15	26	18	21	20	22	25	24	22	17	30	27
Hereditary Cataract							1				1					
Cornea Distrophe																
Distichiasis					1										1	
Others									1 MPP	2 *					5 MPP	2 MPP
In total	8	4	6	17	16	26	19	21	21	24	26	24	22	17	36	29
*suspicion for cataract																

Appendix

Imports

2013

USA-Mc Emeros Kiva

2012

USA- Runamuck Lipurta Disa (Eyjahunda Bragi X Runamuck Litla Hvisla)

Finnland – Katimon Mundilfari (Katimon Mergur X Lonestar Kira)

Norwegen-Fjarhundis Andri (Icetops Noi X Wadsteinas Wäna Wilja)

Iceland- Gerplu Loki Tröll (Gerplu Snata Tryggur X Leirubakka Sollilje Dögg)

Iceland – Istjarna Esja (Stefsstells Skrudur X Bjarkarkots Dimma Nott)

Netherland – Bingo van de Wadenborgh (Kopasker fra Thytur Stadir X Freyja van de Wadenborgh)

2011

Finland – Ginfaxi Ifill (Vuoreksen Zimba X Netla fra Blönduos)

Iceland – Isskogar Ronja Katla (Arnastada Askur X Stefsstells Moa)

Iceland – Gerplu Thorkatla Thumalina (Arnastada Snati X Gerplu Ynja)

Switzerland – Gantropps Kari (Gladur Glampi X Ayla fra Esjubergi)

Switzerland – Gantropps Fina (Thordunu Leppur X Dimma Dora vom Schloss Neubronn)

USA – Nocona (Gerplu Spori X Lavandels Vorros)

Schweden – Astvinur Jorunn Kolbra (Meester Ridge Gisli Viking X Fältstigen Salka)

2010

Iceland – Snjofells Freydis (Kersins Svarti Petur X Eldhamars Freyja)

Iceland – Töfra Tigla Vina (Töfra Klooi Hektorson X Kersins Skella)

Sweden – Svenska Engardens Kristall (Ullälvas Dofri X Hofshesta Fjara)

Danmark – Tritla (Geislandi Bessi X Gladur Bryja)

2009

Danmark – Surtseys F-Fjalladis (Geysirs Doni X Ishundurs Gaefa)

Netherland – Silly fra Olafsfjörður (Indi fra Bjarkarlundi X Grima fra Fuglatorgi)

Netherland – Jodis India fra Olafsfjörður (Indi fra Bjarkarlundi X Grima fra Fuglatorgi)

Iceland – Kersins Kappi (Thordunu Surtur X Tyra)

Netherland – Ardi (Baloe fra Thytur Stadir X Una fra Thytur Stadir)

2008

Appendix

Iceland – Sindra Jökull (Lagafells Mani X Kersins Sindra)
Iceland – Kersins Kani (Arnastada Bersi X Kersins Tibra Töfradis)
Iceland – Stefsstells Selma Spesia (Kolgrimur X Stefsstells Aska Spesia)
Switzerland – Gantropps Busla (Dyri fra Klettakoti X Dimma Dora vom Schloss Neubronn)
Norway – Samur av Isheim (Tolli X Bersa av Isheim)

2007

Iceland – Thordunu Ausa (Rosi fra Husatoftum X Thordunu Eyja)
Iceland – Thordunu Skreppur (Thordunu Surtur X Kersins Urdur)
Iceland – Thordunu Nordan Drifa (Skessu Skolli X Kersins Urdur)
Danmark – Solargeisli Raudur (Frej X Solargeisli Soley)
Danmark – Hi Lydur Vina (Surtseys Fafnir X Godrumgards Lippa)
Finland – Tunturiketun Ljomi (Tunutriketun Ötull Arnar X Blackstar Snella Gudridur)

2006

Iceland – Frekja (Eldhamars Freyr X Hnuks Luska)

2005

Iceland – Stjörmuljosa Koltinna (Siggi X Fjola)

2004

Sweden – Mon Gards Nypa (Spori X Ullälvas Sokka)
Sweden – Mon Gards Jarpi (Spori X Ullälvas Sokka)
Netherland – Astrida v.h. Reutse Veld (Leirubakka Smari X Menja v.h. Reutse Veld)
Netherland – Sergeant Peppes Lif (Kjartan v.h. Reutse Veld X Yrsa v.h. Reutse Veld)
Danmark – Surtseys Pia (Tvaerskov Diddi X Surtseys Dana)

2003

Netherland – Filour v.h. Reutse Veld (Jaki v.h. Reutse Veld X B-Solveig von Baltshaus)
Netherland – Akki v.h. Reutse Veld (Raki v.h. Reutse Veld X Elfi vom Pöttgesberg)
Iceland – Stjörmuljosa Mana Syn (Tyr fra Husatoftum X Leirubakka Fjola)
Iceland – Tinni (Laekjamots Katur X Dama)

2002

Danmark – Askjas Ofeigur (Orri av Isheim X Askjas Hrefna)
Danmark – Vinur Vauka (Surtseys Issi Ilmason X Pila)
Danmark – Solargeisli Eydis (Solargeisli Odur X Solargeisli Lava)
Iceland – Kersins Katur (Sunnustein Canis X Melkolku Brenda)

Appendix

2001

Iceland – Sindra Snaebjartur (Gerplu Mani X Töfra Stjarna)
Netherland – Kopasker fra Thytur Stadir (Jaki fra Thytur Stadir XPrydi)

2000

Netherland – Afram fra Gull Lyklinum (Castor vom Pöttgesberg X Rakel fra Thytur Stadir)
Netherland – Salka v.h. Reutse Veld (Trausti fra Thytur Stadir X Lara v.h. Reutse Veld)
Netherland – Sprækur fra Thytur Stadir (Bakur fra Thytur Stadir X Prydi)
Netherland – Raki v.h. Reutse Veld (A-Vitus fra Himnabaer X Rakel)
Netherland – Hugin v.h. Reutse Veld (Leirubakka Smari X Menja v.h. Reutse Veld)
Netherland – Snorri fra Fridarstöðum (Taktur fra Fridarstöðum X Frekja fra Fridarstöðum)

1999

Iceland – Fjalla Breki (Ulfur fra Keldnakoti X Ylfa fra Olafsvöllum)
Iceland – Eldeyjar Katla (Snaelukku Katur X Tata)
Iceland – Minni Nups Snorri (Kolur fra Husatoftum X Blida fra Olafsvöllum)
Netherland – Bjalla fra Thytur Stadir (Farandi X Björk fra Thytur Stadir)
Danmark – Töttrups Heiko (Orri av Isheim X Töttrups Hebe)

1998

Iceland – Leirubakka Smari (Yrar Akkur X Snoppa)
Iceland – Frigg (Tyr fra Husatoftum X Ölvastada Ula)
Iceland – Kappi (Tanga Somi X Ula)
Netherland – Diana fra Thytur Stadir (Farandi X Edda fra Thytur Stadir)
Netherland – Mouk v.h. Reutse Veld (Skotti fra Thytur Stadir X Rakel)
Netherland – Lagsi fra Thytur Stadir (Jaki fra Thytur Stadir X Halldora fra Thytur Stadir)
Netherland – Joschi v.h. Reutse Veld (Jaki fra Thytur Stadir X Muska fra Thytur Stadir)
Danmark – Töttrups Tau (Trym av Holteheia X Töttrups Hebe)

1997

Netherland – Fatima fra Thytur Stadir (Kormak fra Thytur Stadir X Prydi)
Netherland – Mani v.h. Reutse Veld (Jaki fra Thytur Stadir X Rakel)

1996

Netherland – Steinnun fra Thytur Stadir (Farandi X Dufa fra Thytur Stadir)
Netherland – Bjor fra Thytur Stadir (Agnar fra Thytur Stadir X Dufa fra Thytur Stadir)

Appendix

Netherland – Skotti fra Thytur Stadir (Jaki fra Thytur Stadir X Halldora fra Thytur Stadir)
France – Magni (Gladur D acca Laurentia X Perla)
Iceland- Harka (Vaskur X Tryna)
Iceland – Hörku Biskup (Spori X Stjörnu Pila)

Effective Population Size (Ne)

Icelandic Sheepdog

Calculation made on all dogs in the database.

Eliminated= Parents locked for breeding

Date of calculation = 13.09.2013

Period	Eliminated	All		Calculated		Avelsbas (Ne)		Inbred %	Max. no. of	Rec. no. of
		Litters	puppies	Litters	Puppies	Utilized	Available			
2008 - 2012	44	89	336	87	336	500	33	1,1	14	6
2003 - 2007	107	131	356	125	350	37	32	3,9	15	6
1998 - 2002	150	139	316	130	309	500	20	4,3	13	5

Comments

The effective population size (Ne) or the effective breeding base is not the number of dogs used for breeding. Ne describes the rate of loss of genetic variation in a breed due to inbreeding. With a value Ne= 50 the breed will for example lose 50 genetic variation as fast as if only 24 males and 25 females were used for breeding in a system with random mating. When the breeding base (the effective population size Ne) reaches a value about 500 it does not mean that 500 animals have been used for breeding. It tells that the increase in inbreeding per generation is the same as if 500 animals, equally distributed on sexes, were mated randomly generation after generation. Such populations may survive for centuries without any substantial loss of genetic variation.

High values for Ne may sometimes be reached also in small populations. It will happen if the inbreeding of the offspring is lower than in the parental generation. This will normally only happen if new and unrelated animals are added to the population. The available Ne will then become lower than the utilized Ne. This reason is that no new animals can be added in the two subsequently simulated generations. Hence the relationship between breeding animals will increase again causing a higher inbreeding in the offspring and thus an increasing loss of genetic variation.

The desired level for Ne is at least 100. At values of 50 or below the vitality of the breed is severely threatened due to very rapid loss of genetic variation.



Breed statistics for Icelandic Sheepdog during 2003 to 2012

All dogs registered from 2003-2012

Total =	<input type="text" value="695"/>	i %
Males =	<input type="text" value="372"/>	<input type="text" value="53,5"/>
Females =	<input type="text" value="323"/>	<input type="text" value="46,5"/>
Breeding Males =	<input type="text" value="65"/>	<input type="text" value="17,5"/>
Breeding females =	<input type="text" value="74"/>	<input type="text" value="22,9"/>
Litter size =	<input type="text" value="3,2"/>	

Year	No.	Inbreeding %	Litter size
------	-----	--------------	-------------

Year	No.	Inbreeding %	Litter size
0	0	0	0
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
2003	84	4,4	2,5
2004	49	3,9	2,3
M =	38	1,4	3,3

Generations in pedigree =

Breeding with dogs born in period

	<u>Males</u>	<u>Females</u>
Mean age 1st mating =	<input type="text" value="1129"/>	<input type="text" value="1144"/>
Lowest age 1st mating =	<input type="text" value="165"/>	<input type="text" value="652"/>
1st litter before 1 year =	<input type="text" value="2"/>	<input type="text" value="0"/>
1st litter before 2 year =	<input type="text" value="15"/>	<input type="text" value="5"/>
Average no. of progeny =	<input type="text" value="5,7"/>	<input type="text" value="5,8"/>
Largest no. of progeny =	<input type="text" value="38"/>	<input type="text" value="28"/>
Own inbreeding % =	<input type="text" value="2,1"/>	<input type="text" value="3,6"/>

Breeding use of "Matadors"

Max. advisable no. of pups =	<input type="text" value="5"/>
Max acceptable no. of pups =	<input type="text" value="14"/>
Largest no. of progeny =	<input type="text" value="68"/>
Largest no. grandchildren =	<input type="text" value="106"/>
"Matadors" no. =	<input type="text" value="20"/>
"Matadors" % =	<input type="text" value="14,6"/>
Matadors offspring in % =	<input type="text" value="54"/>
Matadors grandchildren % =	<input type="text" value="55"/>

GENERATION INTERVAL

	<u>Days</u>	=	<u>Years</u>
Father to sons =	<input type="text" value="1638"/>	=	<input type="text" value="4,5"/>
Fathers to daughters =	<input type="text" value="1731,8"/>	=	<input type="text" value="4,7"/>
Mothers to sons =	<input type="text" value="1461,4"/>	=	<input type="text" value="4"/>
Mothers to daughters =	<input type="text" value="1589,7"/>	=	<input type="text" value="4,4"/>
Parents to progeny =	<input type="text" value="1605"/>	=	<input type="text" value="4,4"/>

OBS ! the analysis includes all dogs with birth date!
When the number of dogs is low some values may be unrealistic.