## Svenska Isländsk Fårhund Klubben

## Annual report for the year 2016

The $22^{\text {st }}$ International seminar for The Icelandic Sheepdog Everett, Washington, USA $27^{\text {th }}-29^{\text {th }}$ October 2017

## Club information

## Board members

Chairman: Ingbritt Sannel
Vice Chairman: Göran Andersson
Treasurer: Tomas Agdahl
Secretary: Marie Lundin
Committee member: May Britt Sannerholt, Marie Lindström and Marie Olsson

1. Substitute: Linda Fyhr
2. Substitute: Pia Elldalen

## Commitees

Breeding responsible: May Britt Sannerholt, e-mail: avel@islandshunden.se
Editor for the club magazine: Lena och Bengt Friberg
Herding responsible: Marie Lindström
Obedience and rally responsible: Marie Lundin
Agility responsible: Linda Fyhr
Show Committee responsible: Ingbritt Sannel / Göran Andersson
Mentality responsible: Marie Olsson

## Club members

|  | $\mathbf{2 0 1 6}$ <br> $31^{\text {th }}$ December | $\mathbf{2 0 1 5}$ <br> $31^{\text {th }}$ December | $\mathbf{2 0 1 4}$ <br> $31^{\text {th }}$ December | $\mathbf{2 0 1 3}$ <br> $31^{\text {th }}$ December | $\mathbf{2 0 1 2}$ <br> $31^{\text {th }}$ December |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Members | 306 | 232 | 240 | 269 | 262 |
| New <br> members this <br> year |  |  |  |  |  |

## Others

## Official address:

SIFK, c/o Ingbritt Sannel, Vintervägen 9, 61174 Tystberga

## Summary

63 dogs registered 2016
Average litter size $=4,6$
Average inbreeding $=1,1 \%$
Generation interval $=5,1$ years
Sixty-three (63) dogs were registered by Svenska Kennelklubben (SKK) last year. The registration have decreased the last three years. We need the figures to be around 100 registered dogs per year to be sure to keep the genetic variation and to have a number of dogs to choose new breeding individuals from. Among the registered dogs 2016 were 56 Swedish born puppies out of 12 litters. The other eight (8) dogs were imports from Iceland, Denmark, Finland and Polen. Thought the low registration numbers we raised the numbers of members in our club from 232 to 306 in one year which we were very happy about. That is very positive for the future because the club need to have more members like we have for about ten years ago.

Among the dogs used in breeding 2016 were 11 males and 12 females. All of them were 2 years or older.

The average litter size was 4,6 puppies/litter which we are quite satisfied with. Year 2007 we had a result of 5 puppies/litter. A result that we only have reached once. Knowing that 5 puppies/litter is possible to reach, it is our goal to reach that level again.

The average inbreeding calculated on five generation is as low as $1,1 \%$. This result is below SIFK's recommendation which is $2,5 \%$.
The effective population size for the period 2010-2014 is: The utilized $\mathrm{Ne}=251$ and the available $\mathrm{Ne}=90$ animals. Together with an average generation interval of 5,1 years, we are very satisfied with the result of the breeders work. It is a very positive result but.....
The use of new blood is still essential in practical breeding as well as international exchanges of dogs.

## Health

The Icelandic Sheepdog is a very healthy breed. As far as we know from official results and from SIFKs' members. There are no signals telling us about diseases to be aware of. The kind of diseases that shows up in the breed is what is normal in a dog breed as well as in a population of humans.
SIFK will still keep an eye on the HD situation together with the results from eye examinations and of cause we follow what happens in the other countries as well.

SIFK's main goal is to keep the genetic variation wide. The effect of a wide genetic variation is to keep the risk for serious diseases to be spread in the whole population low and hopefully we still will be able to look up on the breed from a healthy point of view also in the future.

## Mentality

There are 122 dogs between 12-24 months of age with a complete score sheet from mental description.
In average the intensity scale shows that the dogs do not play but show interest.
They show less activity in all kinds of play.
The intensity scale for curiosity/fearlessness shows that dogs in average walk up to the unknown thing/functionary when their owner stands beside.
The intensity scale for sociability shows that dogs in average accept contact and walk away without engagement with an unknown person.
The intensity scale for aggressiveness shows that dogs in average do not show any aggressively or maybe one or two aggressive threats in the beginning.

## Statistics overview and comments, registrations

## Litters

|  | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 2}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Litters | 12 | 15 | 14 | 18 | 17 |
| Puppies <br> registrated | 63 | 76 | 67 | 95 | 53 |
| Average size <br> of litters | 4,6 | 4,6 | 4,4 | 4,5 | 3,2 |
| Average <br> inbreeding <br> $\%$ | 1,1 | 1,1 | 2,0 | 1,7 | 1,3 |

## Imports

|  | 2016 | 2015 | 2014 | 2013 | 2012 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Iceland | 4 | 3 | 1 | 6 | 1 |
| Norway |  | 2 |  |  | 1 |
| Denmark | 1 |  | 1 |  |  |
| Germany |  | 2 |  |  |  |
| Finland | 1 |  |  |  |  |
| Polen | 2 |  |  |  |  |

## Estimated number of Icelandic sheepdogs in your country



## Further comments:

During the last five years the most common country to import dogs from is Iceland followed by Norway, Denmark and Germany

## Statistics overview and comments, registrations

## Stud dogs

Who have reached - or are close - to the "ISIC breeding limit"

| Males |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Reg nr. | Name of the dog | Year of <br> birth | No. of <br> Litters | No. of <br> Puppies | No of <br> grandchildren |
| S38696/99 | Icetops Keipur | 1999 | 9 | 45 | 141 |
| S54928/94 | Yrar-Garpur | 1994 | 9 | 34 | 108 |
| S29301/2001 | Gunnar Fra Gull Lyklinum | 2001 | 4 | 12 | 84 |
| S37675/2000 | Pretty-Prud's Keli | 2000 | 5 | 19 | 84 |
| S34927/91 | Iskristallens Spoi | 1991 | 8 | 28 | 76 |
| S34927/91 | Skovridergaarden Landi | 1993 | 6 | 21 | 65 |
| S28573/2004 | Drengur | 2004 | 9 | 41 | 63 |
| S57106/91 | Prickur | 1991 | 4 | 14 | 58 |


| Females |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Reg nr. | Name of the dog | Year of <br> birth | No. of <br> Litters | No. of <br> Puppies | No of <br> grandchildren |
| S10371/96 | Ullälvas Tibra | 1995 | 4 | 20 | 104 |
| S50825/2000 | Bjartmars Sunna | 2000 | 2 | 10 | 77 |
| S19115/2003 | Wadsteinas Rita | 2003 | 4 | 17 | 73 |
| S44533/94 | Pretty-Prud's Ekkja | 1994 | 4 | 12 | 58 |
| S25345/94 | Ullälvas Sota | 1994 | 4 | 15 | 56 |
| S39207/94 | Heartseeker's Björk | 1994 | 2 | 7 | 56 |
| S57216/92 | Akka | 1992 | 4 | 17 | 54 |
| S32495/2002 | Ásta | 2002 | 4 | 17 | 54 |
| S11789/2000 | Fieldworks Stefnir | 1999 | 2 | 9 | 51 |

## Further comments:

Svenska Isländsk Fårhund Klubben (SIFK) breeding limit is five (5) litters or 25 puppies. For grandchildren the breed limit is about the double numbers of puppies. For the Icelandic sheepdog population in Sweden it should be around 50 grandchildren.

## Hip Dysplasia (HD)

| Total number of <br> X-rayed dogs | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 5}$ |  | $\mathbf{2 0 1 4}$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| A | 17 | 17 | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 2}$ |  |
| B | 13 | 6 | 9 | 10 | 10 |
| A+B | $\mathbf{3 0}$ | $\mathbf{2 3}$ | $\mathbf{2 3}$ | 8 | 10 |
| C | 6 | 10 | 5 | $\mathbf{1 8}$ | $\mathbf{2 0}$ |
| D | 4 | 2 | 3 | 15 | 7 |
| E |  |  |  | 2 | 2 |
| C+D+E | $\mathbf{1 0}$ | $\mathbf{1 2}$ | $\mathbf{8}$ | $\mathbf{1 8}$ | $\mathbf{1 0}$ |
| In total | $\mathbf{4 0}$ | $\mathbf{3 5}$ | $\mathbf{3 1}$ | $\mathbf{3 6}$ | $\mathbf{3 0}$ |

## Further comments:

Method - FCl's (F'dération Internationale Cynologique) rules for x-ray.
The figures shows the result of the total number of dogs which are X-rayed year by year. The average age of a dog when owners $X$-ray their Icelandic sheepdogs in Sweden is about 21-25 month of age.

The numbers of dogs with $D$ and $E$ hips are quite constant. During the last five years it has been between 2-4 dogs/year.
SIFK's recommendation is that the hip dysplasia situation should be known for dogs used in breeding. There are two reasons for that. One is to statistically certain the results and the second is that Svenska Kennelklubbens (SKK) breeding policy says:" It could never be recommended to mate two serious (D and E) dysplasi.

## Elbow dysplasia (ED)

| Total number of <br> x-rayed dogs | $\mathbf{2 0 1 6}$ |  | 2015 |  | $\mathbf{2 0 1 4}$ |  | $\mathbf{2 0 1 3}$ |  | 2012 |
| :--- | :--- | :--- | :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| Level 0 | 4 | 11 | 6 | 5 | 3 |  |  |  |  |
| Level 1 |  |  | 1 | 1 |  |  |  |  |  |
| Level 2 |  |  |  |  |  |  |  |  |  |
| Level 3 |  |  | 1 |  |  |  |  |  |  |
| In total | 4 | 11 | 8 | 6 | 3 |  |  |  |  |

## Further comments:

It is not very common to X-ray elbows in our breed. Therefore there are not many ED results in the Swedish Icelandic Sheepdog population. During the years $1990-2016$ the total number of X-ray dogs is 170 . Only eight (8) of them have got remarks; seven (7) dogs have got level 1 , one has got level 2 and two has level 3.

## Patella luxation:

| Total number of <br> x-rayed dogs | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Level 0 | 1 |  | 1 |  |  |  |

## Statistics overview and comments, health

| Level 1 |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Level 2 |  |  |  |  |  |  |
| Level 3 |  |  |  |  |  |  |
| In total | 1 |  | 1 |  |  |  |

Further comments:
The total numbers of x-rayed dogs is very few. Only seven (7) dogs are diagnosed and all are free.
The first Icelandic Sheepdog which was diagnosed was registered 2002 and number two was registered 2005.

## Eye examinations

| Total number of x-rayed dogs | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Unaffected signifies (free) | 34 | 27 | 19 | 29 | 29 | 32 |
| Hereditary Cataract |  |  |  |  | 1 |  |
| Cornea Distrophe |  |  |  |  |  | 1 |
| Distichiatis |  | 1 |  |  |  |  |
| Others (see below) | 1 |  | 1 |  |  | 2 |
| In total | 35 | 28 | 20 | 29 | 30 | 35 |

## Other hereditary eye diseases:

Cataract in the hinder area of the central lens
Cataract others.
Retinopati, not hereditary
PPM, iris - lens moderate affected

## Further comments:

About $23 \%$ of all registered dogs since 1990 have done an eye examination.
One dog got the remark, hereditary cataract in 2012. The dog is born in Norway
Two dogs registered 2011, one 2010 and one 2009 have got the remark (cataract in the hinder central lens). The total number of dogs with remarks is listed in appendix. This year we have got the first remark, PPM. The dog is registered 2015.

We need more dogs to be eye examine though the results do not show any health problem. The numbers of dogs yearly examined are too few to guarantee a healthy situation in the breed.

SIFK's recommendation is that all dogs used in breeding should be eye examine before mating.

## Statistics overview and comments, health

|  | 2016 | 2015 | 2014 | 2013 | 2012 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| BEAR <br> (Hearingdiseases) |  |  |  |  |  |
| Heart diseases |  |  |  |  |  |
| Kidney diseases |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## Further comments:

There aren't any official results recognized by the Swedish Kennel Club for the breed.

## Mentality descriptions

|  | 2016 |  | 2015 | 2014 | 2013 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Descripted <br> dogs MH | 0 | 1 | 5 | 9 | 2012 | 2011 |
| Descripted <br> Dogs BPH | 4 | 7 | $14(2)$ | 7 | 9 | 13 |
| In total | 4 | 8 | 19 | 16 | 2 |  |

## Further comments:

The total numbers of Icelandic Sheepdogs which have taken part in Mentalbeskrivning Hund (MH) with a complete score sheet is by the end of 2016 are 114 dogs. Last year 2016, there were no dogs participating in the description.

The Swedish Kennel Club open up for all breeds to take part in the new behavior and personality description in dogs, in Swedish called Beteende och Personlighetsbeskrivning Hund (BPH) in 2012. Two Icelandic Sheepdogs took part in the description with a complete score sheet the first year and 7 dogs with a complete score sheet 2013. Year 2014 took 14 dogs part and 12 of them got a complete score sheet. The other two were stopped by their owner. Year 2015 seven (7) and 2016 four (4) dogs took part in the description with a complete score sheet.
The total number of dogs with a complete score sheet for BPH are 53 dogs. Only two dogs have been stops by their owner and not fulfill the description. The number of dogs taking part in BPH are too few to use for any statistical survey. When we have 200 dogs which including dogs from nearly all family groups in the Swedish population The Swedish Kennel club will support us with a breed related analyse of the mentality in the breed.

If we see to the group of dogs between $12-24$ months with a complete score sheet at MH , the total numbers of dogs is 122 . The average figures for these dogs are shown in an intensity scale above.

## Egenskapsvärden



- Medelvärde (ras, 122 st, 12-24 månader)

| Deskription | Average |
| :--- | :---: |
| Curiosity /fearlessness (Nyfikenhet/Orädsla) | 2,9 |
| Aggressiveness (Aggressivitet) | 1,7 |
| Sociability (Socialitet) | 3,6 |
| Chase- proneness (Jaktintresse) | 1,8 |
| Playfullness (Lekfullhet) | 2,6 |

## The average figures means:

With an average of $\mathbf{2 , 9}$ for curiosity/fearlessness means that dogs in average walk up to the unknown thing/functionary when their owner stands beside.

With an average of $\mathbf{1 , 7}$ for aggressiveness means that dogs in average do not show any aggressively or one or two aggressive threats in the beginning.

With an average of 3,6 for sociability means that dogs in average accept contact and walk away without engagement with an unknown person.

With an average of $\mathbf{1 , 8}$ for chase-proneness means that dogs in average do not start or they start but stopped.

With an average of $\mathbf{2 , 6}$ for playfulness means that dogs in average do not play but shows interest.

## Working abilities (herding) descriptions

|  | 2016 | 2015 | 2014 | 2013 | 2012 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Descripted <br> dogs | 26 | 18 | 19 | 0 | 12 |


| In total | 26 | 18 | 19 | 0 | 12 |
| :--- | :--- | :--- | :--- | :--- | :--- |

## Further comments:

There were four opportunities to describe herding abilities last year. First at Stöde $29^{\text {th }}$ of May were 3 dogs took part, Klämmestorp-Sandhem the $5^{\text {th }}$ of August -14 dogs, Ormön $11^{\text {th }}$ of September - 4 dogs, Klämmestorp-Sandhem $25^{\text {th }}$ of September -5 dog.

The formula for the herding description we used last year is the formula that Cecilia Persson suggested for ISIC during the seminar in Norway 2012.

## Shows

|  | 2016 | 2015 | 2014 | 2013 | 2012 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number of shows | 1 | 1 | 1 | 1 | 1 |
| Number of dogs | 78 | 54 | 51 | 64 | 64 |
| In total (dogs) | 78 | 54 | 51 | 64 | 64 |

Further comments:

## Events

Our special show was, for the second consecutive year, held in Ulricehamn and we called our show and all different competitions ISIC- as well as a club championship due to the fact that we celebrated SIFK 25 years and ISIC 20 years. The conformation show was judged by Hanne Line Jensen. There were 78 dogs in the show. Mrs. Jensen picked Multichamp Surtsey's E-Eydis as BOB. Eydis is owned by Ulrikke and Wilfred Olsen Denmark and Best of opposite sex was Surtsey's P-Poki owned by Randi Johansen Denmark.

Clubchampion rally Konungsbergets Lendi Askursson, owner Kajsa Wahlberg 96 p ISIC champion rally Svenska Engårdens Steina, owner Marie Lundin
Agility winner Linarfins Tindra, owner Anna-Lena Welling
ISIC-champion agility Tellusdream Embla, owner Annette Kjellgren
Hearding startclass Brytarspezens Hetja Pratadottir, owner Josefina f Klintberg 45 p and Konungsbergets Viggo, owner Kerstin Karlsson 45 p
Club- and ISIC-champion hearding Vestanvinder Draumur Kátson, owner Sanna Rasimus Finland
Obedience Konungsbertets Lendi Askursson, owner Kajsa Wahlberg
SIFK/ISIC Allrounddog Konungsbergets Lendi Askursson, owner Kajsa Wahlberg
Other events have been local meetings in different parts of Sweden where we have discussed breeding matters and health issues as well as have nice friendly meetings. We have taken part in the two biggest shows in Stockholm and Gothenburg with breed information both. There we have a lot of interested visitors and we handed out informationleaflets about the breed and our club.

## Parents age when they debut in breeding

Parents age when they got their first litter. Litters born 2016.

|  | $0-6$ months | $7-12$ months | $13-18$ months | $19-24$ months | $2-3$ years | $4-6$ years | $<7$ år years | Total |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mother | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 6 |
| Father | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 7 |
| Total | 0 | 0 | 0 | 0 | 6 | 6 | 1 |  |

Parents age when they got their first litter. Litters born 2015.

|  | $0-6$ Months | $7-12$ months | $13-18$ months | $19-24$ months | $2-3$ years | $4-6$ years | $<7$ years | Total |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mother | 0 | 0 | 0 | 1 | 4 | 6 | 1 | 12 |
| Father | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 8 |
| Total | 0 | 0 | 0 | 1 | 7 | 11 | 1 |  |

Parents age when they got their first litter. Litters born 2014.

|  | $0-6$ Months | $7-12$ months | $13-18$ months | $19-24$ months | $2-3$ years | $4-6$ years | $<7$ years | Total |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mother | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 6 |
| Father | 0 | 0 | 0 | 0 | 4 | 1 | 2 | 7 |
| Total | 0 | 0 | 0 | 0 | 8 | 3 | 2 |  |

Parents age when they got their first litter. Litters born 2013.

|  | $0-6$ months | $7-12$ months | $13-18$ months | $19-24$ months | $2-3$ years | $4-6$ years | $<7$ ar years | Total |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mother | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 |
| Father | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 5 |
| Total | 0 | 0 | 0 | 0 | 7 | 1 | 1 |  |

Parents age when they got their first litter. Litters born 2012.

|  | $0-6$ years | $7-12$ years | $13-18$ months | $19-24$ months | $2-3$ years | $4-6$ years | $<7$ years | Total |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mother | 0 | 0 | 1 | 0 | 3 | 4 | 0 | 8 |
| Father | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 7 |
| Total | 0 | 0 | 1 | 0 | 5 | 7 | 2 |  |

## Further comments:

The total numbers of dogs used in breeding last year were 23 dogs. Thirteen (13) of them did their debut in breeding.
During the last five years there have been one (1) dog is used in breeding which have been less than 24 months old.

The ISIC and SIFK reckomentation is that dogs (males and females) are avoing from breeding before the age of 24 months.

Males and females used in breeding

|  | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Litters | 24 | 23 | 23 | 17 | 24 | 19 | 17 | 18 | 14 | 15 | 12 |
| Females | $\underline{24}$ | $\underline{23}$ | $\underline{23}$ | $\underline{17}$ | $\underline{24}$ | $\underline{19}$ | $\underline{17}$ | $\underline{18}$ | $\underline{14}$ | $\underline{15}$ | $\underline{12}$ |
| Males | $\underline{18}$ | $\underline{21}$ | $\underline{22}$ | $\underline{14}$ | $\underline{17}$ | $\underline{18}$ | $\underline{13}$ | $\underline{16}$ | $\underline{14}$ | $\underline{13}$ | 11 |

During the years females have been used more than males in breeding. The years 2007 and 2008 we reach the goal of keeping at least 20 males in breeding.
This is an important goal to reach and it is really something we have to be aware of in the future.

## Increase of genetic variation

It is necessary to increase genetic variation in the breed. The effect of keeping genetic variation wide is to keep the risk for serious diseases to be spread in the whole population low. If a hereditary disease should show up it is important to use individuals which is low related to each other and hopefully lacks the defect gene.

For that purpose we need to use as many dogs as possible in breeding and at least have as many males as females in breeding at the same time. To lower the risk from lost of genes should at least twenty males and 3-5 females per male be used in breeding at the same time.

## Litters

| Litters | $\mathbf{2 0 0 2}$ | $\mathbf{2 0 0 3}$ | $\mathbf{2 0 0 4}$ | $\mathbf{2 0 0 5}$ | $\mathbf{2 0 0 6}$ | $\mathbf{2 0 0 7}$ | $\mathbf{2 0 0 8}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 1 1}$ | $\mathbf{2 0 1 2}$ | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 6}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Puppies | 19 | 20 | 22 | 25 | 24 | 23 | 23 | 17 | 24 | 19 | 17 | 18 | 14 | 15 | 12 |
| Average size <br> of litters | 4,3 | 4 | 4,1 | 4,3 | 3,9 | 5 | 4.5 | 4 | 4,8 | 4,3 | 3,2 | 4,5 | 4,4 | 4,6 | 4,6 |
| Average <br> inbreeding <br> $\%$ | 3,7 | 4,3 | 5,4 | 2,7 | 1,2 | 1,7 | 2,3 | 1,6 | 2,1 | 1,5 | 1,3 | 1,7 | 2 | 1,1 | 1,1 |

Imports

|  | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Iceland | 2 |  |  | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 1 | 6 | 1 | 3 | 4 |
| Norway | 3 | 3 | 1 |  | 2 | 2 | 4 | 1 | 4 |  | 1 |  |  | 2 |  |
| Denmark |  |  | 1 | 2 |  |  |  |  | 1 | 2 |  |  |  |  | 1 |
| Finland |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| Germany |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  | 2 |
| Polen |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |

## Hip Dysplasia (HD)

| Total number <br> of x-rayed <br> dogs | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Appendix

| A | 13 | 18 | 31 | 20 | 11 | 23 | 15 | 31 | 15 | 15 | 10 | 10 | 14 | 17 | 17 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B | 7 | 15 | 16 | 5 | 11 | 19 | 7 | 16 | 7 | 7 | 10 | 8 | 9 | 6 | 13 |
| A+B | $\mathbf{2 0}$ | $\mathbf{3 3}$ | $\mathbf{4 7}$ | $\mathbf{2 5}$ | $\mathbf{2 2}$ | $\mathbf{4 2}$ | $\mathbf{2 2}$ | $\mathbf{4 7}$ | $\mathbf{2 2}$ | $\mathbf{2 2}$ | $\mathbf{2 0}$ | $\mathbf{1 8}$ | $\mathbf{2 3}$ | $\mathbf{2 3}$ | $\mathbf{3 0}$ |
| C | 8 | 9 | 4 | 6 | 12 | 13 | 7 | 13 | 2 | 7 | 7 | 15 | 5 | 10 | 6 |
| D | 4 | 3 | 2 | 4 | 3 | 5 | 1 | 2 | 6 | 3 | 2 | 3 | 3 | 2 | 4 |
| E | 2 |  | 1 |  |  |  |  | 1 |  | 3 | 1 |  |  |  |  |
| C+D+E | $\mathbf{1 4}$ | $\mathbf{1 2}$ | $\mathbf{7}$ | $\mathbf{1 0}$ | $\mathbf{1 5}$ | $\mathbf{1 8}$ | $\mathbf{8}$ | $\mathbf{1 6}$ | $\mathbf{8}$ | $\mathbf{1 3}$ | $\mathbf{1 0}$ | $\mathbf{1 8}$ | $\mathbf{8}$ | $\mathbf{1 2}$ | $\mathbf{1 0}$ |
| In total | $\mathbf{3 4}$ | $\mathbf{4 5}$ | $\mathbf{5 4}$ | $\mathbf{3 5}$ | $\mathbf{3 7}$ | $\mathbf{6 0}$ | $\mathbf{3 0}$ | $\mathbf{6 3}$ | $\mathbf{3 0}$ | $\mathbf{3 5}$ | $\mathbf{3 0}$ | $\mathbf{3 6}$ | $\mathbf{3 1}$ | $\mathbf{3 5}$ | $\mathbf{4 0}$ |

Elbow dysplasia (ED)

| Total number <br> of x-rayed <br> dogs | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Level 0 | 4 | 10 | 17 | 5 | 8 | 11 | 6 | 15 | 8 | 8 | 3 | 5 | 6 | 11 | 4 |
| Level 1 |  |  |  |  |  |  |  | 1 |  |  |  | 1 | 1 |  |  |
| Level 2 |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |
| Level 3 |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |
| In total | 4 | 10 | 17 | 5 | 8 | 11 | 6 | 17 | 8 | 8 | 3 | 6 | 8 | 11 | 4 |

Patella luxation:

| Total number <br> of x-rayed <br> dogs | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Level 0 | 1 |  |  | 1 | 1 |  |  |  |  |  |  |  | 1 |  |  |
| Level 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Level 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Level 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| In total | 1 |  |  | 1 | 1 |  |  |  |  |  |  |  |  |  |  |

## Appendix

Eye examinations

| Total number <br> of x-rayed <br> dogs | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Unaffected <br> signifies (free) | 26 | 34 | 28 | 20 | 24 | 41 | 21 | 47 | 34 | 29 | 29 | 29 | 19 | 27 | 34 |
| Hereditary <br> Cataract |  |  |  |  |  | 1 |  |  |  |  | 2 |  |  |  |  |
| Cornea <br> Distrophe |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |
| Distichiatis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PPM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others | 1 | 2 | 1 | 2 | 1 | 1 |  | 1 | 1 | 2 |  |  | 1 | 1 |  |
| In total | 27 | 36 | 29 | 22 | 25 | 43 | 21 | 48 | 35 | 32 | 30 | 29 | 20 | 28 | 35 |

## Appendix

## Eye results

Dogs with total cataract

| Regnr | Name | Sex | Father | Mother |
| :--- | :--- | :---: | :--- | :--- |
| S14555/2000 | Ullälvas Soti | M | Myrkvi | Ullälvas Sunna |
| S15030/93 | Bessi | M | Tofta-Njall | Iskristallens Loa |

## Dogs with cataract in the hinder central lens

| Regnr | Name | Sex | Father | Mother |
| :--- | :--- | :---: | :--- | :--- |
| S19112/2003 | Wadsteinas Rammi | M | Fjalla-Freki | Ullälvas Tibra |
| S30093/2009 | Isboda Gisli | M | Drengur | Isboda Hilda |
| S57090/2008 | Meester Ridge Arris | M | Drengur | Meester Ridge Huita |
| S37473/2009 | Icetops Teitur | M | Icetops Drengur | Naerleiken's Keila |

## Dogs with other cataracts

| Regnr | Name | Sex | Father | Mother |
| :--- | :--- | :---: | :--- | :--- |
| S41351/2005 | Isboda Blossi | F | Ullälvas Smari | Wadsteinas Trissa Litbrá |
| S63756/92 | Gydjans Freyja Fra Folkvangr | F | Slettvola's Tajo | Gydjans I. Urdur |
| S51617/95 | Gydjans Spori | M | Iskristallens Spoi | Gydjans Freyja Fra Folkvangr |
| S10370/96 | Ullälvas Titla | F | Timi | Ullälvas Tinna |

## Dogs with disticiastis

| Regnr | Name | Sex | Father | Mother |
| :--- | :--- | :---: | :--- | :--- |
| SE53618/2014 | Vestanvindur Dani <br> Kátsson | M | Ástvinur Kátur <br> Silfurgeisli | Losnabakken's Vilda Vikingsdottir |

## Dogs with PPM

| Regnr | Name | Sex | Father | Mother |
| :--- | :--- | :--- | :--- | :--- |
| SE15953/2015 | Brytarspetzens Elska | F | Hilding | Brytarspetzens Milla Fjalarsdóttir |

## Imports

Year: 2016
Male:
SE32245/2016 Snjofells Myrkvi
Father: IS13764/09 Snjofells Othinn
Mother: IS16077/11 Gerplu Ronja Nös
SE48483/2016 Stefsstells Tivar
Father: IS17542/12 Heidarhofs Kolmar
Mother: IS17444/12 Stjörnuljosa Palfridur
SE51777/2016 C-Ylur Polski Kopieccy Poland Father: PKRV17084 Ana Camptis Gratis Grettir Mother: PKRV17722 Bruna Fra Fridarstodum

SE55718/2016 Fljota-Bessi
Father: IS18338/13 Fagrahvamms Rimmugygur Mother: IS16077/11 Gerplu Ronja Nös

| Country | Date of birth |
| :--- | ---: |
| Iceland | $20-03-2015$ |

Iceland 01-05-2016

Poland 10-04-2016

Iceland 04-05-2016

## Appendix

## Female:

SE10284/2016 Kolsholts Kilja
Father: IS20423/15 Solargeisli Reynir
Mother: IS11944/08 Hnúks Loppa
SE40196/2016 Ishundfelding Mysla Auradottir
Father: SE 36303/2010 Tellusdream Frosti Mother: DK18774/2012 Toftedal Aura

SE42925/2016 Skimras Tisla
Father: SE37477/2009 Icetops Jörd
Mother: SE62993/2009 Siv

SE52234/2016 C-Ylfa Kopieccy Poland

Mother: PKRV17722 Bruna Fra Fridarstodum

Denmark 23-03 2016

Poland 10-04-2016
Iceland 31-08-2015

Finland 01-03-2012

