



**2018 Annual Report
Icelandic Sheepdog Association of America**

The 24th International seminar for the Icelandic Sheepdog
Skálholt 25th-27th October 2019



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Membership

	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Members 31st December	237	189	227	204	236	258	268	270	219	241	237
New members this year	48	30	38	20	48	46	51	79	25	56	81

Litter Registrations:

Summary: The good news is that we have made significant inroads on getting data on Icelandic Sheepdogs born in the United States into the ISIC database. We have gone from 600+ entries to 1300+ entries over the past year. This means that all of the dogs born in the United States that we are aware of have been entered with the exception of those with ancestors in Canada who are not in the ISIC database. We have been working to get those dogs entered with our ISIC and Canadian partners.

Since we have made no progress on getting litter registration information from AKC, we continue to solicit information from breeders in the United States.

Estimated number of Icelandic Sheepdogs Registered in the United States

2018	2017	2016	2015	2014	2013	2012	2011	2010
1746	1641	1506	1398	1256	1128	1004	986	851

Comment: These numbers are taken from the AKC studbook, which was initiated in 2010 with our foundation dogs. AKC tracks litter registrations by breed and adds dogs to the studbook when they have their first litter. Our numbers here reflect the AKC calculation adding the total dogs registered each year. This number will, therefore, include deceased dogs as it is the total number of dogs AKC registered in the United States.

	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
AKC Litters	34	28	32	34	30	28	33	28	27	19	26
AKC Puppies	135	131	127	155	129	125	147	119	129	76	113
AKC Ave Litter Size	3.97	4.68	3.97	4.56	4.3	4.46	4.45	4.25	4.78	4	4.35
ISAA Litters	33	24	32	33	22	21	31	24	24	18	23
ISAA Puppies	136	114	127	142	90	92	146	104	115	66	102
ISAA Average Litter Size	4.12	4.75	3.97	4.3	4.09	4.38	4.71	4.33	4.79	3.67	4.43
ISAA Average inbreeding	2.71	1.99	1.81	1.81	0.7	1.29	1.09	3.47	1.64	2.92	2.09
ISAA Female puppies	70	51	61	71	43	31	71	55	55	34	60
ISAA Male Puppies	66	63	66	71	47	61	75	49	60	32	42

We are now receiving aggregate numbers of AKC registrations going back to 2008. We do not receive any identifying information and so must gather any specific litter information ourselves. We have to use that information to determine number of males and females and IC scores. The complete 2018 information from AKC is not yet available.

Imports

	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
(Iceland)	2	1	2	1	3	1	1	4	8	7	4
(Canada)	2	0	0	0	0	0	0	2	9	7	9
(Denmark)	0	1	0	0	1	0	0	1	1	1	0
(Norway)	0	0	0	0	0	0	0	1	2	0	0
(Sweden)	0	0	0	0	0	0	0	1	3	0	0
(Netherlands)	0	0	0	0	0	0	0	1	1	0	0
(Germany)	0	0	2	2	0	0	0	1	1	1	0
(Switzerland)	0	0	0	0	0	0	0	1	1	1	0

Other Breeding Statistics

Unique Dogs Used In Breeding

Statistics provided by AKC

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Unique Bitches Bred	26	18	26	28	30	26	28	33	31	28	34
Unique Dogs Bred	21	17	12	23	28	24	27	29	27	24	28
Total Dogs Bred	47	35	38	51	58	50	55	62	58	52	62

Breeding Dogs

The following chart shows male or female dogs that have reached or are close to the ISIC breeding limit, which is 35 puppies for males and 25 puppies for females, with the number of grandchildren no more than twice the number of offspring during the life of the dog.

Note: These numbers were hand tabulated through 2017 as IS Pedigrees is not updated.

Litter Information

Males					
Reg. #	Dog's Name	Birth Year	# Litters	# Puppies	# Grandchildren
DN07514406	Alaskastadirs Korpur	2004	8	36	81
DN18776402	Arbakki Magni	2007	5	21	46
DN23596804	Enska Puck	2008	5	24	29
DN21481602	Foothills Laki	2008	8	48	55
DN15616601	Frostfyles Roskur	2006	4	18	33
DN15694301	Gerplu Spori	2003	8	37	67
DN07215701	Gunnar of Sherwood Forest	2001	8	33	15
DN14013502	Heimskauts Reike	2006	6	28	41
DN05912701	Hofshesta Gloi	2003	7	36	94
DN16111001	Isi Kaffisukkolathi	2006	2	10	37
DN15949601	Isi Kappusino	2006	2	11	98
DN08101001	Lavandels Benedikt	2004	7	33	36
DN14294102	Lonestar Ansel	2006	4	16	42
DN07173701	Loki fra Palmahaus	1993	8	28	77
DN05909701	Loki fra Sherwood	2003	9	36	95
DL75415001	Virkis Tyri	1995	6	28	79
DL91681901	Vittetoes Kutur Hjaltisson	2001	4	20	87

Females					
Reg. #	Dog's Name	Birth Year	# Litters	# Puppies	# Grandchildren
DN06629401	Aldebaran Gryla	2001	4	17	43
DN17276401	Audurs Dimmalim	2006	4	22	41
DN21731805	Audurs Kamilla	2008	4	20	8
DN15154601	Birta	2004	3	18	65
DN05911601	Blackstar Perla	2002	6	15	52
DN07207602	Blueridge Yffa	2004	3	19	43
DN12267404	Emerald Isle Grima	2005	4	21	52
DN02544101	Frelsi Farms Belle	2002	4	24	71
DL86572102	Istolt Aska	2001	2	14	33
DN16101111	Lavandels Kyssa	2006	3	17	38
DN242740005	Lavandels Vera	2008	4	24	25
DN24736402	Pinnacle Brook Elska	2009	4	18	29
DN07804901	Thordunu Kria	2004	3	19	43
DN23549302	Valhalla's Heart O'Gold	2008	4	19	49

Health Information

Health Summary

The Icelandic Sheepdog Association of America (ISAA) joins the country of origin, other recognized breed clubs and the Icelandic Sheepdog International Cooperation (ISIC) to work together to protect and maintain breed health. This includes encouraging health testing and sharing results in the Orthopedic Foundation for Animals (OFA) registry as participating in studies and research. Additionally, contributing to the Canine Health Information Center (CHIC) DNA Repository, co-sponsored by the OFA and the AKC/Canine Health Foundation (CHF) is encouraged as they collect and store canine DNA samples along with corresponding genealogic and phenotypic information to facilitate future research and testing aimed at reducing the incidence of inherited disease in dogs.

Hip Dysplasia (HD)

Two methods of hip testing are done in the United States: PennHip and OFA.

PennHip: This method recommends breeding only dogs with an above average score, so starting at the 60th percentile is recommended. The scores that correlate with the different percentiles may change as genetic progress is made from one generation to the next, moving the breed average towards tighter hips.

PennHip	2016*	2015	2014	2013	2012	2011	2009	2007
Total Dogs Tested (cumulative)	206	191	191	181	175	167	137	96
Minimum Score (tightest hips)	0.22	0.24	0.24	0.24	0.24	0.24	0.25	0.25
Maximum Score (loosest hips)	0.96	0.96	0.96	0.96	0.96	0.96	0.94	0.83
25th percentile	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
50th percentile	0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.50
60th percentile	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.47
75th percentile	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44

*Numbers provided from PennHip through 8/16. They have not provided any additional results since.

Health Information

OFA: According to OFA “The phenotypic evaluation of hips done by the Orthopedic Foundation for Animals falls into seven different categories. Those categories are Normal (Excellent, Good, Fair), Borderline, and Dysplastic (Mild, Moderate, Severe). Once each of the radiologists classifies the hip into one of the 7 phenotypes above, the final hip grade is decided by a consensus of the 3 independent outside evaluations.”

ORTHOPEDIC FOUNDATION FOR ANIMALS (OFA) HD (HIP DYSPLASIA) STATISTICS

Cumulative Results Through December 31ST 2018

Breed	Rank	All Data			Born 2011-2015		
		Number of Evaluations	Percent Excellent	Percent Dysplastic	Number Evaluations	Percent Excellent	Percent Dysplastic
ICELANDIC SHEEPDOG	48	625	13.1	19	287	13.2	18.5

Compared to 2017, the overall percent of excellent results have gone up from 12.8% to 13.1% but the percent of dysplastic results have also gone up from 17.9% to 19%.

2018 OFA HD (Hip Dysplasia) Test Results

Total Dogs Tested	77
Excellent	12
Good	37
Fair	7
Mild	17
Moderate	3
Severe	1

Please see Appendix C for additional OFA HD information.

Eye Examinations

According to OFA, the purpose of the OFA Companion Animal Eye Registry (CAER) is to provide breeders with information regarding canine eye diseases so that they may make informed breeding decisions in an effort to produce healthier dogs. CAER certifications are performed by board certified (ACVO) veterinary ophthalmologists. Regardless of whether owners submit their CAER exam forms to the OFA for "certification," all CAER exam data is collected for aggregate statistical purposes to provide information on trends in eye disease and breed susceptibility.

Genetic diseases are those that are passed on from parent to offspring through genes that carry the codes for each specific trait. Many of the diseases and disorders that affect the eyes have genetic factors. How does OFA identify an inherited eye disease? Until the genetic basis of an ocular disorder is defined in a peer-reviewed published report, they rely on what statistical information is available from registry organizations, informed opinions and consensus from ACVO diplomates. They must satisfy themselves with terms like "presumed inherited" and "suspected to be inherited." There are eye diseases in the dog for which there is evidence of a genetic or heritable cause.

The American College of Veterinary Ophthalmologists has listed ten of these diseases as automatic "fails" (this means the affected dog is ineligible to receive an eye certification) because of the significance of the condition to vision and/or the very strong evidence of heritability. These are conditions which frequently result in blindness and for which there is definite evidence of heritability in one or more breeds.

OFA OCULAR DISORDER REPORT 2018			
TOTAL DOGS EXAMINED 2018		70	
TOTAL NORMAL (NORMAL GLOBE)		56	80.00%
TOTAL WITH DIAGNOSIS		14	20.00%
DIAGNOSTIC NAME			
UVEA			
93.71	persistent pupillary membranes, iris to iris	3	4.30%
LENS			
100.21	cataract, suspect not inherited	1	1.40%
100.321	incomplete cataract, anterior cortex (significant cataracts)	2	2.90%
RETINA			
120.96	retinopathy	2	2.90%
OTHER			
900.1	other, not inherited	7	10.00%
900.11	other, suspected as inherited	1	1.40%

OFA DISEASE DATABASE STATISTICS:

ICELANDIC SHEEPDOG		Evaluations through December 2018				
Registry	Rank	Evaluations	Abnormal	Normal	Carrier	Equivocal
ADVANCED CARDIAC	--	8	0.00%	100.00%	0.00%	0.00%
BAER HEARING TEST	--	12	16.70%	83.30%	0.00%	0.00%
CARDIAC	--	16	0.00%	93.80%	0.00%	6.30%
DEGENERATIVE MYELOPATHY	--	1	0.00%	100.00%	0.00%	0.00%
DENTITION DATABASE	--	23	13.00%	87.00%	0.00%	0.00%
ELBOW	132	172	0.00%	100.00%	0.00%	0.00%
EYES	119	625	1.00%	99.00%	0.00%	0.00%
HIPS	48	625	19.00%	79.70%	0.00%	1.30%
MULTIPLE DRUG RESISTANCE (MDR1)	--	1	0.00%	100.00%	0.00%	0.00%
PATELLA	--	14	7.10%	92.90%	0.00%	0.00%
SHOULDER	--	2	0.00%	100.00%	0.00%	0.00%
THYROID	--	12	0.00%	100.00%	0.00%	0

ISAA Sponsored Shows

	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Number of shows	1	6	2	1	4	2	1	2	0	1
Number of dogs	54	287	68	36	46	51	8	33		35
In total (dogs)	54	287	68	36	46	52	8	33		35

ISAA Sponsored Events for 2018

February 10 AKC Meet the Breed, Pier 92, NYC, NY

May - ISAA National Specialty, Gray Summit, MO

- ◆ Thursday, May 3 – Farm Dog Certification Test
- ◆ Thursday, May 3 - Herding Tests
- ◆ Friday, May 4 – Judges Education
- ◆ Friday, May 4 - Annual Meeting, Gray Summit, MO
- ◆ Saturday, May 5 – Specialty Sweepstakes & Conformation,
- ◆ Saturday, May 5 – Club Banquet and Auction

Note: Please see Appendix H for results of these events.

Other Events of Note

February 12 Westminster Kennel Club

December 15-16 AKC National Championship

APPENDIX A: CUMULATIVE LITTER INFORMATION

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
# Litters	18	18	30	27	26	19	27	28	33	28	30	34	32	28	34
Puppies	81	97	130	125	119	76	129	119	147	125	129	155	127	131	135
Ave. Litter Size	4.5	5.4	4.3	4.63	4.35	4	4.78	4.25	4.45	4.46	4.3	4.56	3.97	4.68	3.97
Litter Numbers Tracked by ISAA					23	18	24	27	31	24	26	33	32	24	33
Average inbreeding % (Based on ISAA Tracked Litters)					2.09	2.92	1.64		1.09		0.67	1.81	2.37	1.83	

Note: For the years 2004 through 2007, the numbers are numbers counted by our ISAA breeding committee. From 2008 through the present, the numbers are those counted by AKC. We started calculating IC scores in 2008. They are based on the litters we captured rather than the full AKC numbers, which are a bit higher.

APPENDIX B: 2018 LITTER INFORMATION

	Whelp Date	Name of Sire	Name of Dam	# Females	# Males	Total	IC% 5 Gen
1	8-Jan	Snaetinda Seppi	Arbakki Drifa	2	0	2	0.37%
2	27-Jan	Lavandels Thorri	Iseyjar Esja	2	3	5	0.10%
3	8-Feb	Vinlands Leifur	Hidow Stassa Nella fra Thrymheim	2	0	2	3.08%
4	18-Feb	Tri-Star Hroi Hottur Roy	Stubborn Elm Ylva	1	3	4	14.55%
5	1-Mar	Myvatn's Gothi	Asgard's Tiska	1	1	2	0.00%
5	8-Apr	Audurs Raphael	Kross Gola Eldfluga	2	1	3	0.88%
6	7-Apr	Gypsy Wind's Undri	Haustlita's Birgitta Orradottir	2	4	6	2.59%
7	15-Apr	Asti-Unas Valdemar Ljosi	Tri-Star Remi	2	3	5	0.78%
8	18-Apr	Fox Meadow Hausti Solstafir	Caradoc's Stella of Greenbrier	3	1	4	0.49%
9	20-Apr	Hidew Thrymheim's Tryggur	Mceremon Ava	1	1	2	1.56%
10	28-Apr	Fox Meadow Thorra Kari	Fox Meadow Snjoflygsa By Runestone	2	3	5	0.32%
11	9-May	Fox Meadow Thorra Bylur	Mceremon's Mina	3	2	5	0.42%
12	24-May	Snaetinda Seppi	Mack Hill Amalia	5	1	6	1.56%
13	1-May	Mack Hill Ryo Of Caradoc	Caradoc's Just Shy Of Heaven	3	1	4	0.59%
14	2-May	Runamuck Himna Perseifur	Pineridge Kolblaeja	1	2	3	1.17%
15	19-May	Hidow Stassa Bersi Leesson	Stokk-Sels Laufey	1	1	2	1.17%
16	1-Jun	Stokk-Sels Bjorn Bangsi	Pikatti's Bloma Nott	1	3	4	0.00%
17	30-Jun	Fox Meadow Solstodu Saefari	Alfagardur Elskan Min Hvonn	2	4	6	0.49%
18	29-Sep	Kross Gola Fidlu	Fox Meadow Fafnir Das Rheingold	3	3	6	0.29%
19	24-Sep	Loki fra Sherwood Forest	Fox Meadow Himintelgja Gunnarsdottir	2	1	3	14.84%
20	30-Sep	Brosandi Thorbjorn Snorrason	Arcticridge Lady Reign	0	2	2	0.20%
21	20-Oct	Saman's Torin	Honey Run Orange Blossom	3	2	5	3.32%
22	21-Oct	McErmons Crown of Thorns	Brosandi Dreka Fru Drekasdottir	2	3	5	0.59%
23	22-Oct	Bjarklands Logi	Bayshore's Katla of Avatar	0	2	2	3.04%
24	25-Oct	Stubborn Elm's Oksasteina Skiptingur	Thrymheim's Lagertha	4	1	5	3.32%
25	23-Oct	Haustlita Here Comes The Sun	Mceremon's Rosa	2	3	5	0.68%
26	10-Nov	Arcticridge Barrett	Mceremon's Heartbreaker	3	3	6	6.93%
27	7-Nov	Asti-Unas Valdemar Ljosi	Tri-Star Gemma	2	4	6	0.78%
28	20-Nov	Hidew Thrymheim's Tryggur	Vinland's Kippa Jane	4	1	5	2.34%
29	3-Dec	Asti-Una's Valdemar Ljosi	Valhalla's Wind of Change (Karma)	0	1	1	3.32%
30	24-Nov	Hidow Stassa Bersi Leesson	Stefsstells Ingalo Isabella	1	0	1	0.10%
31	5-Dec	Klaki Fra Olafsvollum	Tri-Star Kalla	3	2	5	0.98%
32	23-Dec	Kross Cola Kelinn	Elva Aus Vinkona	2	3	5	1.71%
33	30-Dec	Isneista Bayshore Smali at Liberty Run	Liberty Run's Isneista Reika	3	1	4	16.99%

Number of Litters	33
Number of Female Puppies	70
Number of Male Puppies	66
Total Number of Puppies	136
Average Litter Size	4.12
Average 5 Gen Inbreeding Co-Efficient	2.71%

Appendix C: 2018 OFA HD (HIP TEST) From OFA Quarterly Reports

Reg Number	Dog Name	
DN45029801	MACK HILL'S RYO OF CARADOC	EXCELLENT
DN40473801	STEFSTELLS INGALO ISABELLA	EXCELLENT
DN45580903	CARADOC & HUNDACRES SHE'S GOT THE LOOK	EXCELLENT
IS2210716	HULDUDALS HARKA	EXCELLENT
AQ531322	AUDURS HNERRIR	EXCELLENT
IS2214116	FAGRAHVAMMS SKUNDI LJONSHJARTA	EXCELLENT
IS2221516	STEMMA REKTORSDDOTTIR FRA OLAFSVOLLUM	EXCELLENT
IS2203116	GERPLU PILA	EXCELLENT
IS20176416	SUNNUSTEINS EINIR	EXCELLENT
DN43527001	STONECROP GLIMA	EXCELLENT
DN47510401	LIBERTY RUN'S ISNEISTA REIKA	EXCELLENT
DN48056904	MACK HILL AMALIA	EXCELLENT
IS2364417	SISI	GOOD
NOREG1915610	WHITETAIL FEGURD AF LILJA	GOOD
DN44507503	GLACIER POINT'S EVANGELINE	GOOD
DN44507502	GLACIER POINT'S MIDNIGHT SUN	GOOD
IS2030115	SMALASHIATE VAUDTA	GOOD
IS0990606	DEPILL	GOOD
S2115215	MYVATNS ASKUR	GOOD
IS2187216	DRANGA MYLLA	GOOD
DN42424302	VITTETOES KJARKUR KEILIRSSON	GOOD
DN45070704	ASGARD'S RANDI FRA STASSA	GOOD
DN48037401	GERPLU EIK	GOOD
IS1512910	KATUR FRA KELDNAKOTI	GOOD
DN42747002	BROSANDI BIRTA SNORRASDDOTTIR	GOOD
DN42776601	GOLDEN POND'S DREAM BELIEVER	GOOD
DN39545605	CARADOC'S BROWN EYED GIRL	GOOD
IS2187316	DRANGA BUI BORGFIRDINGUR	GOOD
DJ657286	ORLEANSISD BREKI	GOOD
NOREG1975583	HVERA HNOKKI	GOOD
DN47942601	STUBBORN ELMS UR OSKUNNI RIS GLEYM MER EI	GOOD
DN38284802	BLACKSTAR TYRI	GOOD
DN45374401	WOODLAND REALM'S RED SKY AT NIGHT	GOOD
IS2332717	SNJOFELLS LAKI	GOOD
DN45504201	VITTETOES KYSSA KELLIRSDOTTIR	GOOD
IS2156416	ISSKOGAR LIF	GOOD
DN55861803	THRYMHEIM'S LAGERTHA	GOOD
DN47037604	RUNAMUCK LAEKNI VISKA	GOOD

IS2139815	TRYNA	GOOD
IS1598311	NERO	GOOD
IS2155816	STJORNULJOSA KJARVAL	GOOD
IS2141115	KOLSHOLTS KORKA	GOOD
DN46585705	KOLTRYNA MARIA FRA STASSA	GOOD
DN43971005	FOX MEADOW SNJOSTORMUR BY RUNESTONE	GOOD
DN47452605	BLACKSTAR DAGNY	GOOD
DN47996002	MCEREMON'S I CAN ONLY IMAGINE	GOOD

DN47037601	RUNAMUCK LHOTSE SENSEI	GOOD
DN47037602	RUNAMUCK STORNUFRAETHINGUR KEPLER	GOOD
DN47742203	TRI-STAR HROIHOTTUR ROY	GOOD
DN47736205	LAVANDELS HAUSTLITA MORGUNSTJARNA	GOOD
DN40061004	CARADOC'S WICKED	FAIR
DN46698201	GERPLU BLIDA SNOTRA	FAIR
DJ657289	ORLEANSISD KOPUR	FAIR
DN43899601	RUNESTONE GRYLA FRA ARNLEIFUR	FAIR
DN41410903	HONEY RUN'S ORANGE BLOSSOM	FAIR
NOREG1999200	KATLA	FAIR
DN45504204	VITTETOES KOLATARI KEILIRSSON	FAIR
IS2274416	STOKK-SELS BARRI	MILD
DN41188602	ARCTICRIDGE LADY REIGN	MILD UL
DN46585701	KOLTINNA MARIA FRA STASSA	MILD UL
IS1994814	HULDUDALS HEBA	MILD UR
IS2175416	ISTJAMAR FJOLA	MILD UR
IS2273416	STOKK-SELS MIRRA	MILD UR
IS2105315	LAUFYJAR GLODIS AF SNAETINDA	SEVERE

Appendix D: 2018 Cumulative OFA Ocular Disorder Report (2/16/2019)

TOTAL DOGS EXAMINED		23		865		1383		70	
Diagnostic Name									
EYELIDS		1991-1999		2000-2009		2010-2017		2018	
21 entropion, unspecified		0		5 0.60%		0		0	
25.11 distichiasis		1 4.30%		9 1.00%		11 0.80%		0	
CORNEA		1991-1999		2000-2009		2010-2017		2018	
70.22 pigmentary keratitis		0		0		1 0.10%		0	
70.7 corneal dystrophy		0		2 0.20%		7 0.50%		0	
UVEA		1991-1999		2000-2009		2010-2017		2018	
93.11 iris hypoplasia		0		0		2 0.10%		0	
93.71 persistent pupillary membranes, iris to iris		0		55 6.40%		56 4.00%		3 4.30%	
93.72 persistent pupillary membranes, iris to lens		0		1 0.10%		0		0	
93.73 persistent pupillary membranes, iris to cornea		0		3 0.30%		0		0	
93.75 persistent pupillary membranes, lens pigment foci/no strands		0		0		2 0.10%		0	

100.315	incipient cataract, posterior sutures	0	4	0.50%	4	0.30%	0		
100.317	incipient cataract, capsular	0	1	0.10%	1	0.10%	0		
100.321	incomplete cataract, anterior cortex	0	0		2	0.10%	2	2.90%	
100.322	incomplete cataract, posterior cortex	0	0		4	0.30%	0		
100.33	generalized/complete cataract	0	1	0.10%	0		0		
100.999	significant cataracts (summary)	3	13.00%	12	1.40%	45	3.30%	2	2.90%
VITREOUS		1991-1999	2000-2009	2010-2017	2018				
110.12	persistent hyaloid artery/remnant	0	1	0.10%	2	0.10%	0		
110.32	vitreal degeneration	0	1	0.10%	3	0.20%	0		
RETINA		1991-1999	2000-2009	2010-2017	2018				
120.17	retinal dysplasia, folds	1	4.30%	7	0.80%	1	0.10%	0	
120.18	retinal dysplasia, geographic	0	1	0.10%	0		0		
120.31	generalized progressive retinal atrophy (PRA)	0	0		1	0.10%	0		
120.96	retinopathy	0	0		0		2	2.90%	

100.315	incipient cataract, posterior sutures	0	4	0.50%	4	0.30%	0		
100.317	incipient cataract, capsular	0	1	0.10%	1	0.10%	0		
100.321	incomplete cataract, anterior cortex	0	0		2	0.10%	2	2.90%	
100.322	incomplete cataract, posterior cortex	0	0		4	0.30%	0		
100.33	generalized/complete cataract	0	1	0.10%	0		0		
100.999	significant cataracts (summary)	3	13.00%	12	1.40%	45	3.30%	2	2.90%
VITREOUS		1991-1999	2000-2009	2010-2017	2018				
110.12	persistent hyaloid artery/remnant	0	1	0.10%	2	0.10%	0		
110.32	vitreal degeneration	0	1	0.10%	3	0.20%	0		
RETINA		1991-1999	2000-2009	2010-2017	2018				
120.17	retinal dysplasia, folds	1	4.30%	7	0.80%	1	0.10%	0	
120.18	retinal dysplasia, geographic	0	1	0.10%	0		0		
120.31	generalized progressive retinal atrophy (PRA)	0	0		1	0.10%	0		
120.96	retinopathy	0	0		0		2	2.90%	
OPTIC NERVE		1991-1999	2000-2009	2010-2017	2018				
130.15	optic disc coloboma	0	0		2	0.10%	0		
LENS		1991-1999	2000-2009	2010-2017	2018				
100.21	cataract, suspect not inherited	2	8.70%	14	1.60%	40	2.90%	1	1.40%
100.301	punctate cataract, anterior cortex	0	0		6	0.40%	0		
100.302	punctate cataract, posterior cortex	0	1	0.10%	4	0.30%	0		
100.303	punctate cataract, equatorial cortex	0	1	0.10%	0		0		
100.304	punctate cataract, anterior sutures	0	0		2	0.10%	0		
100.305	punctate cataract, posterior sutures	0	0		9	0.70%	0		
100.311	incipient cataract, anterior cortex	1	4.30%	0	2	0.10%	0		
100.312	incipient cataract, posterior cortex	1	4.30%	3	0.30%	10	0.70%	0	
100.313	incipient cataract, equatorial cortex	1	4.30%	1	0.10%	1	0.10%	0	

OTHER		1991-1999	2000-2009	2010-2017	2018		
900	other, unspecified	0	9 1.00%	16 1.20%	0		
900.1	other, not inherited	0	31 3.60%	42 3.00%	7	10.00%	
900.11	other, suspected as inherited	0	1 0.10%	0	1	1.40%	
NORMAL		1991-1999	2000-2009	2010-2017	2018		
0	normal globe	18 78.30%	805 93.10%	1231 89.00%	56	80.00%	

Appendix E: 2018 OFA EYE TEST CERTIFICATIONS

Registration #	Dog's Name	Results
DN41715101	ARBAKKI DRIFA	NORMAL
DN38652703	ARCTICRIDGE BARRETT	NORMAL**
DN45070703	ASGARD'S RINDA	NORMAL
DN29824804	ASGARD'S TISKA D D	NORMAL
DN42716701	ASTI UNA'S VALDEMAR LJOSI	NORMAL
AQ531323	AUDURS ALFA	NORMAL*
DN38284703	BLACKSTAR BYR	NORMAL
DN47452605	BLACKSTAR DAGNY	NORMAL
DN38284802	BLACKSTAR TYRI	NORMAL
DN36132801	CARADOC'S JUST SHY OF HEAVEN	NORMAL
DN52019302	CARADOC'S PUSHIN' BACK	NORMAL
DN45409301	CARADOC'S STARGAZING FIN GALL	NORMAL
DN42886301	CARADOC'S STELLA OF GREENBRIER	NORMAL
DN40679201	DRANGA BRAK	NORMAL
DN38647301	ELVA AUS VINKONA	NORMAL
DN48265504	FIVE-GAIT BRYNJA	NORMAL
DN44076301	FIVE-GAIT ELSA	NORMAL
DN39473602	FOX MEADOW HIMINTELGJA GUNNARSDOTTIR	NORMAL
DN43971005	FOX MEADOW SNJOSTORMUR BY RUNESTONE	NORMAL
DN39473603	FOX MEADOW TYRFINGUR GUNNARSSON	NORMAL***
DN46698201	GERPLU BLIDA SNOTRA	NORMAL
DN44507503	GLACIER POINT'S EVANGELINE	NORMAL
DN44507502	GLACIER POINT'S MIDNIGHT SUN	NORMAL
DN37973501	GOLDEN POND GALDRA	NORMAL
DN53865801	HAUSSLITA GAEFA	NORMAL
DN53865804	HAUSSLITA MJOLNIR	NORMAL
DN38703501	HAUSSLITA'S HERE COMES THE SUN	NORMAL
NOREG1985357	HAUSSLITA'S KAPPI	NORMAL
DN53865805	HAUSSLITA'S LORELEY	NORMAL
DN53865803	HAUSSLITA'S ROKI	NORMAL
NOREG1985353	HAUSSLITA'S URNIR	NORMAL
DN39399102	HIDOW STASSA BERSI LEESON	NORMAL
DN37171103	HIDOW STASSA NELLA FRA THRYMHEIM	NORMAL
DN37171105	HIDOW THRYMHEIM'S TRYGGUR	NORMAL
DN41410903	HONEY RUN'S ORANGE BLOSSOM	NORMAL
DN51005004	ISNEISTA BAYSHORE ARNARAUGA	NORMAL

DN48826101	KLAKI FRA OLAFSVOLLUM	NORMAL
DN46585705	KOLTRYNA MARIA FRA STASSA	NORMAL
DN39745804	KROSS GOLA ELDFLUGA	NORMAL
DN37652503	KROSS GOLA ENJA OF ARCTICRIDGE	NORMAL
DN35499403	KROSS GOLA KELINN	NORMAL
DN47736205	LAVANDELS HAUSTLITA MORGUNSTJARNA	NORMAL
DN47510401	LIBERTY RUN'S ISNEISTA REIKA	NORMAL
DN48056904	MACK HILL AMALIA	NORMAL
DN40365809	MACK HILL TESSA	NORMAL
DN31188501	MCEREMON CROWN OF THORNS	NORMAL
DN33285304	MCEREMONS GOU ROKA	NORMAL
DN39335701	MCEREMON'S HEART BREAKER	NORMAL
DN31188502	MCEREMONS ROSA	NORMAL
DN44735001	MYVATNS GOTHI	NORMAL
DN44500101	NORDIC GOLD ARAEDINN VALLARI	NORMAL
DN33949001	NORDURVINDUR SJAVARBJORN	NORMAL
DN33949002	NORDURVINDUR SJAVARULFUR	NORMAL
DJ657289	ORLEANSISD KOPUR	NORMAL
WQ318149	PINERIDGICE KOLBLAEJA	NORMAL
DN46309802	POLARIS HIMINN DANSARI	NORMAL
DN46309803	POLARIS TUNGLSKINNSSKUGGI	NORMAL
DN47037603	PROFESSOR SHUKSAN RUNAMUCK	NORMAL
YS477492	RAPHAEL	NORMAL
DN35771005	RUNAMUCK HIMNA PERSEIFUR	NORMAL
DN47037601	RUNAMUCK LHOTSE SENSEI	NORMAL
DN30624203	RUNESTONE GAMMUR	NORMAL
DN43899601	RUNESTONE GRYLE FRA ARNLEIFUR	NORMAL
DN41152802	SAMAN'S GULUR	NORMAL
DN40598302	SAMAN'S TORIN	NORMAL
DN41749101	SNAETINDA SEPPI	NORMAL
DN46585702	STASSA LESSION ALDAVINUR	NORMAL
DN39535503	ISNEISTA EDDU ALSPORI OF BAYSHORE	NORMAL
DN23419402	ISNEISTA FJARI	NORMAL
DN25101401	KERSINS TROLLI	NORMAL

DN48826101	KLAKI FRA OLAFSVOLLUM	NORMAL
DN46585705	KOLTRYNA MARIA FRA STASSA	NORMAL
DN39745804	KROSS GOLA ELDFLUGA	NORMAL
DN37652503	KROSS GOLA ENJA OF ARCTICRIDGE	NORMAL
DN35499403	KROSS GOLA KELINN	NORMAL
DN47736205	LAVANDELS HAUSTLITA MORGUNSTJARNA	NORMAL
DN47510401	LIBERTY RUN'S ISNEISTA REIKA	NORMAL
DN48056904	MACK HILL AMALIA	NORMAL
DN40365809	MACK HILL TESSA	NORMAL
DN31188501	MCEREMON CROWN OF THORNS	NORMAL
DN33285304	MCEREMONS GOU ROKA	NORMAL
DN39335701	MCEREMON'S HEART BREAKER	NORMAL
DN31188502	MCEREMONS ROSA	NORMAL
DN44735001	MYVATNS GOTHI	NORMAL
DN44500101	NORDIC GOLD ARAEDINN VALLARI	NORMAL
DN33949001	NORDURVINDUR SJAVARBJORN	NORMAL
DN33949002	NORDURVINDUR SJAVARULFUR	NORMAL
DJ657289	ORLEANSISD KOPUR	NORMAL
WQ318149	PINERIDGICE KOLBLAEJA	NORMAL
DN46309802	POLARIS HIMINN DANSARI	NORMAL
DN46309803	POLARIS TUNGLSKINNSSKUGGI	NORMAL
DN47037603	PROFESSOR SHUKSAN RUNAMUCK	NORMAL
YS477492	RAPHAEL	NORMAL
DN35771005	RUNAMUCK HIMNA PERSEIFUR	NORMAL
DN47037601	RUNAMUCK LHOTSE SENSEI	NORMAL
DN30624203	RUNESTONE GAMMUR	NORMAL
DN43899601	RUNESTONE GRYLE FRA ARNLEIFUR	NORMAL
DN41152802	SAMAN'S GULUR	NORMAL
DN40598302	SAMAN'S TORIN	NORMAL
DN41749101	SNAETINDA SEPPI	NORMAL
DN46585702	STASSA LEESSON ALDAVINUR	NORMAL

DN46585704	STASSA LEESSON ROKKVI	NORMAL
DN43527001	STONECROP GLIMA	NORMAL
DN37152505	STONECROP REBBI	NORMAL
DN40147902	STUBBORN ELM'S OSKASTEINA HIN EINA SANNA	NORMAL
DN40147903	STUBBORN ELM'S OSKASTEINA SKIPTINGUR	NORMAL
DN28447803	THRYMHEIM'S FLINKUR	NORMAL
DN55861803	THRYMHEIM'S LAGERTHA	NORMAL
DN32997901	TOFA	NORMAL*
DN40552801	TRI-STAR ELLY	NORMAL
DN27101804	TRI-STAR GANDER	NORMAL
DN44533403	TRI-STAR GEMMA	NORMAL
DN47742202	TRI-STAR HROI HOTTUR ALIA	NORMAL
DN47742203	TRI-STAR HROIHOTTUR ROY	NORMAL
DN33934404	TRI-STAR JORD	NORMAL
DN47750102	TRI-STAR RAIN BOW OF GREENBRIER	NORMAL
DN15176901	VESTURHLITHAR BANGSI	NORMAL
DN24113001	VINLANDS BRANA	NORMAL
DN41872405	VINLANDS KIPPA JANE	NORMAL*
DN29538201	VINLANDS LEIFUR	NORMAL
DN42424302	VITTETOES KJARKUR KEILIRSSON	NORMAL
DN45504201	VITTETOES KYSSA KELLIRSDOTTIR	NORMAL
DN45374401	WOODLAND REALM'S RED SKY AT NIGHT	NORMAL

Breeder Options Noted:

*E1: Cataract – Suspect Not Inherited

**A3: Distichiasis

***D3a: Pupillary Membranes Iris to Iris

Appendix F: 2018 OFA Optional Health Testing

Advanced Cardiac

Registration #	Dog's Name	Results
DN42696401	BROSANDI ASTRID FJARASDOTTIR	NORMAL
DN44507503	GLACIER POINT'S EVANGELINE	NORMAL
DN44507502	GLACIER POINT'S MIDNIGHT SUN	NORMAL
DN47736205	LAVANDELS HAUSTLITA MORGUNSTJARNA	NORMAL
DN40365809	MACK HILL TESSA	NORMAL
DN43527001	STONECROP GLIMA	NORMAL

Baer (Hearing)

Registration #	Dog's Name	Results
DN50498602	PIKATTI-CRAIKA'S GAEFA	NORMAL

Dentition

Registration #	Dog's Name	Results
DN41188602	ARCTICRIDGE LADY REIGN	FULL DENTITION
DN53288701	TRI-STAR TINDRA	FULL DENTITION

Elbow

Registration#	Dog's Name	Results
DN45580903	CARADOC & HUNDACRES SHE'S GOT THE LOOK	NORMAL
DN39545605	CARADOC'S BROWN EYED GIRL	NORMAL
DN46698201	GERPLU BLIDA SNOTRA	NORMAL
DN41410903	HONEY RUN'S ORANGE BLOSSOM	NORMAL
DN39535502	ISNEISTA VASKUR OF BAYSHORE	NORMAL
DN46585701	KOLTINNA MARIA FRA STASSA	NORMAL
DN46585705	KOLTRYNA MARIA FRA STASSA	NORMAL
DN47736205	LAVANDELS HAUSTLITA MORGUNSTJARNA	NORMAL
DN47510401	LIBERTY RUN'S ISNEISTA REIKA	NORMAL
DN45029801	MACK HILL'S RYO OF CARADOC	NORMAL
DN47996002	MCEREMON'S I CAN ONLY IMAGINE	NORMAL
DJ657289	ORLEANSISD KOPUR	NORMAL
DN47037602	RUNAMUCK STORNUFRAETHINGUR KEPLER	NORMAL
DN40473801	STEFSTELLS INGALO ISABELLA	NORMAL
DN43527001	STONECROP GLIMA	NORMAL
DN47942601	STUBBORN ELMS UR OSKUNNI RIS GLEYM MER EI	NORMAL
DN42424302	VITTETOES KJARKUR KEILIRSSON	NORMAL
DN45504201	VITTETOES KYSSA KELLIRSDOTTIR	NORMAL
DN45374401	WOODLAND REALM'S RED SKY AT NIGHT	NORMAL