

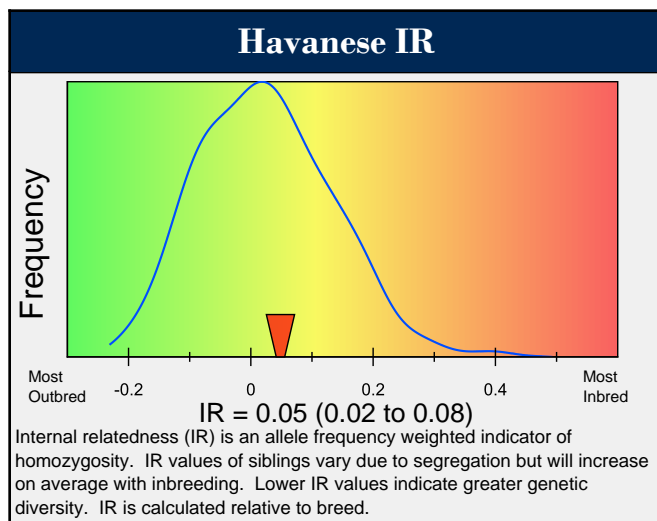
DOG GENETIC DIVERSITY ANALYSIS

CH CARNEYS LUMINESCENT MOONFLOWER



Breed: Havanese
Sex: Female
Color: Gold Sable Parti
DOB: 2019
Reg: TS41482201

Case: NCD127407
Print Date: October 13, 2020
Report ID: 2321-0894-8703-9140



Diversity Panel

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
9.4	1.3	1.9	2.5	2.4	8.7	8.8	1.4	1.3	2.3	9.1	1.2	1.5	2.1	2.1	8.8	2.3	2.0	2.1	1.6	2.8	2.2	1.4	1.8	2.0	2.7	2.1	1.5	1.6	1.2	1.9	1.9	1.9	
1.4	8.1	1.9	2.5	2.4	8.7	8.8	1.4	1.3	2.3	9.1	1.2	1.5	2.1	2.1	8.8	2.3	2.0	2.1	1.6	2.8	2.2	1.4	1.8	2.0	2.7	2.1	1.5	1.6	1.2	1.9	1.9	1.9	

Havanese DLA

	DLA I	DLA II	
Haplotype 1	1014	2037	Maintaining diversity in the DLA which helps regulate immune responses is beneficial to a breed. Choosing mates differing in their DLA haplotypes helps maintain diversity in litters.
Haplotype 2	1092	2003	



Veterinary Genetics Laboratory
 One Shields Avenue, Davis, CA 95616
 530-752-2211
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JACQUELINE CARNEY
 295 FAIRFAX
 BIRMINGHAM, MI 48009

CANINE GENETIC DIVERSITY TEST REPORT

Provided Information:		Case:	NCD127407
Name:	CH CARNEYS LUMINESCENT MOONFLOWER	Date Received:	09-Oct-2020
Registration:	TS41482201	Report Issue Date:	13-Oct-2020
		Report ID:	2321-0894-8703-9140
Verify report at www.vgl.ucdavis.edu/verify			
DOB: 01/20/2019 Sex: Female Breed: Havanese Microchip: 956000010331636 Color: Gold Sable Parti			
Call Name: Luna			
Sire:	CH SAVANNA'S GEMSTONE MANO GENTIS	Dam:	GCH CH ARTWRYKS AT CARNEYS PARADISE GARDEN
Reg:	TS25568501	Reg:	TS24474801
Microchip:		Microchip:	

INTERNAL RELATEDNESS

IR = 0.05 (0.02 to 0.08)

DLA HAPLOTYPE RESULT

	DLA I	DLA II
Haplotype 1	1014	2037
Haplotype 2	1092	2003

DIVERSITY PANEL

LOCUS	TYPE	LOCUS	TYPE	LOCUS	TYPE
1: AHT121	104/94	2: AHT137	131/149	3: AHTH130	119/119
4: AHTH171-A	225/225	5: AHTH260	246/248	6: AHTk211	87/87
7: AHTk253	288/292	8: C22.279	124/126	9: FH2001	132/144
10: FH2054	156/164	11: FH2848	230/240	12: INRA21	91/97
13: INU005	124/126	14: INU030	152/152	15: INU055	212/214
16: LEI004	85/95	17: REN105L03	237/241	18: REN162C04	202/202
19: REN169D01	210/220	20: REN169O18	160/168	21: REN247M23	268/268
22: REN54P11	226/238	23: REN64E19	147/147	24: VGL0760	18.2/24.2
25: VGL0910	20.1/21.1	26: VGL1063	12/19	27: VGL1165	27/28
28: VGL1828	21/23	29: VGL2009	15/16	30: VGL2409	16/16
31: VGL2918	12/21.3	32: VGL3008	19/19	33: VGL3235	12/14

CANINE GENETIC DIVERSITY TEST REPORT

Client/Owner/Agent Information: JACQUELINE CARNEY 295 FAIRFAX BIRMINGHAM, MI 48009	Case: NCD127407 Date Received: 09-Oct-2020 Report Issue Date: 13-Oct-2020 Report ID: 2321-0894-8703-9140 Verify report at www.vgl.ucdavis.edu/verify
Name: CH CARNEYS LUMINESCENT MOONFLOWER	

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

The Veterinary Genetics Laboratory is an institutional member of ISAG. DNA types are reported according to standardized nomenclature for markers in the ISAG panel.

For more detailed information on Canine Genetic Diversity test results, please visit our website at:
www.vgl.ucdavis.edu/test/canine-genetic-diversity

For terms and conditions of testing, please see www.vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director