

HAVANESE GENETIC HEALTH PANEL TEST REPORT

Provided Information: Name: DEARHEART & BESEME'S SITTING ON A GOLD MINE Registration: TS40068904	Case: NCD149041 Date Received: 05-Apr-2021 Report Issue Date: 15-Apr-2021 Report ID: 6619-7778-0751-2000 Verify report at www.vgl.ucdavis.edu/verify						
DOB: 10/14/2018 Sex: Male Breed: Havanese Microchip: 981020027779807 Color: red sable Irish pied							
Call Name: Nugget							
<table style="width: 100%;"> <tr> <td style="width: 50%;">Sire: ASUNRAY'S GOLD DIGGER'S DELIGHT</td> <td style="width: 50%;">Dam: DEARHEART'S BLING IS IN THE AIR</td> </tr> <tr> <td>Reg: TS21925102</td> <td>Reg: TS25292601</td> </tr> <tr> <td>Microchip:</td> <td>Microchip:</td> </tr> </table>		Sire: ASUNRAY'S GOLD DIGGER'S DELIGHT	Dam: DEARHEART'S BLING IS IN THE AIR	Reg: TS21925102	Reg: TS25292601	Microchip:	Microchip:
Sire: ASUNRAY'S GOLD DIGGER'S DELIGHT	Dam: DEARHEART'S BLING IS IN THE AIR						
Reg: TS21925102	Reg: TS25292601						
Microchip:	Microchip:						

RESULT

INTERPRETATION

Chondrodystrophy (CDDY)	N/N	No copies of CDDY mutation.
Chondrodysplasia (CDPA)	CDPA/CDPA	2 copies of CDPA. Mutation causes leg shortening compared to N/N dogs.
Canine Multifocal Retinopathy (CMR1)	N/N	Normal - no copies of the CMR1 mutation.
vWD Type 1	N/N	Normal - no copies of vWF mutation associated with vWD Type 1.

HAVANESE GENETIC HEALTH PANEL TEST REPORT

Client/Owner/Agent Information: CHARLENE STOUTSENBERGER 575 NORTH 870 WEST WEST BOUNTIFUL, UT 84087-1962	Case: NCD149041 Date Received: 05-Apr-2021 Report Issue Date: 15-Apr-2021 Report ID: 6619-7778-0751-2000 Verify report at www.vgl.ucdavis.edu/verify
Name: DEARHEART & BESEME'S SITTING ON A GOLD MINE	

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.

For more detailed information on Havanese Genetic test results, please visit our website at:
www.vgl.ucdavis.edu/services/dog/HavanesePanel.php

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

DOG COAT TYPE TEST REPORT

Provided Information: Name: DEARHEART & BESEME'S SITTING ON A GOLD MINE Registration: TS40068904		Case: NCD149041 Date Received: 05-Apr-2021 Report Issue Date: 06-Dec-2021 Report ID: 8529-8154-1787-1184 Reissue of: 1694-9100-9563-7193 <small>Verify report at www.vgl.ucdavis.edu/verify</small>
DOB: 10/14/2018 Sex: Male Breed: Havanese Microchip: 981020027779807 Color: red sable Irish pied		
Call Name: Nugget		
Sire: ASUNRAY'S GOLD DIGGER'S DELIGHT Reg: TS21925102 Microchip:		Dam: DEARHEART'S BLING IS IN THE AIR Reg: TS25292601 Microchip:

RESULT

INTERPRETATION

COAT LENGTH	L/L
CURL	N/N
FURNISHINGS	F/F
IMPROPER COAT	

Dog has long hair.

Dog has straight coat.

Dog has furnishings. All offspring will have furnishings.

Not requested.

DOG COAT TYPE TEST REPORT

Client/Owner/Agent Information: CHARLENE STOUTSENBERGER 575 NORTH 870 WEST WEST BOUNTIFUL, UT 84087-1962	Case: NCD149041 Date Received: 05-Apr-2021 Report Issue Date: 06-Dec-2021 Report ID: 8529-8154-1787-1184 Reissue of: 1694-9100-9563-7193 Verify report at www.vgl.ucdavis.edu/verify
Name: DEARHEART & BESEME'S SITTING ON A GOLD MINE	

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.

For more detailed information on Dog Coat Type test results, please visit our website at:
www.vgl.ucdavis.edu/services/DogCoatLengthCurlandFurnishings.php

Additional Comments

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

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Report authorized by Dr. Rebecca Bellone, VGL Director

Veterinary Genetics Laboratory · University of California Davis · One Shields Ave · Davis, CA 95616
vgl.ucdavis.edu · (530) 752-2211

CANINE GENETIC DIVERSITY TEST REPORT

Provided Information:		Case:	NCD149041
Name:	DEARHEART & BESEME'S SITTING ON A GOLD MINE	Date Received:	05-Apr-2021
Registration:	TS40068904	Report Issue Date:	13-Apr-2021
		Report ID:	6923-0569-8972-8084
		Verify report at www.vgl.ucdavis.edu/verify	
DOB: 10/14/2018 Sex: Male Breed: Havanese Microchip: 981020027779807 Color: red sable Irish pied			
Call Name: Nugget			
Sire:	ASUNRAY'S GOLD DIGGER'S DELIGHT	Dam:	DEARHEART'S BLING IS IN THE AIR
Reg:	TS21925102	Reg:	TS25292601
Microchip:		Microchip:	

INTERNAL RELATEDNESS

IR = -0.04 (-0.07 to -0.01)

DLA HAPLOTYPE RESULT

	DLA I	DLA II
Haplotype 1	1029	2075
Haplotype 2	1116	2070

DIVERSITY PANEL

LOCUS	TYPE	LOCUS	TYPE	LOCUS	TYPE
1: AHT121	106/108	2: AHT137	131/147	3: AHTH130	119/125
4: AHTH171-A	225/231	5: AHTH260	244/248	6: AHTk211	87/89
7: AHTk253	288/288	8: C22.279	116/124	9: FH2001	132/132
10: FH2054	152/164	11: FH2848	234/242	12: INRA21	101/97
13: INU005	124/126	14: INU030	144/144	15: INU055	212/214
16: LEI004	85/85	17: REN105L03	237/241	18: REN162C04	206/208
19: REN169D01	214/220	20: REN169O18	160/162	21: REN247M23	270/276
22: REN54P11	236/238	23: REN64E19	139/145	24: VGL0760	23.2/26.2
25: VGL0910	16.1/18.1	26: VGL1063	14/14	27: VGL1165	26/28
28: VGL1828	16/20	29: VGL2009	11/11	30: VGL2409	17/17
31: VGL2918	14/15	32: VGL3008	20/23	33: VGL3235	11/14

CANINE GENETIC DIVERSITY TEST REPORT

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Name: DEARHEART & BESEME'S SITTING ON A GOLD MINE	

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

DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

Provided Information: Name: DEARHEART & BESEME'S SITTING ON A GOLD MINE Registration: TS40068904	Case: NCD149041 Date Received: 05-Apr-2021 Report Issue Date: 16-Apr-2021 Report ID: 2974-3301-8961-1122 Verify report at www.vgl.ucdavis.edu/verify
DOB: 10/14/2018 Sex: Male Breed: Havanese Microchip: 981020027779807 Color: red sable Irish pied	
Call Name: Nugget	
Sire: ASUNRAY'S GOLD DIGGER'S DELIGHT Dam: DEARHEART'S BLING IS IN THE AIR Reg: TS21925102 Reg: TS25292601 Microchip: Microchip:	

RESULT

INTERPRETATION

MC1R (E LOCUS)	E/e¹	1 copy of black and 1 copy of red/yellow/cream
BROWN (B LOCUS)	B/B	Does not carry brown - cannot have brown offspring
DILUTE (D LOCUS)	D/D	No known dilution variants present.
DOMINANT BLACK (K LOCUS)	N/N	Dog does not have the dominant black mutation
AGOUTI (A LOCUS)	a^y/a^y	Homozygous for fawn/sable
MERLE		Not requested.
PIEBALD (S LOCUS)	N/S	Dog has 1 copy of piebald.
HARLEQUIN (GREAT DANE)		Not requested.
NATURAL BOBTAIL		Not requested.
DOBERMAN OCA		Not requested.
GERMAN SHEPHERD PANDA SPOTTING		Not requested.
INTENSITY DILUTION		Not requested.

DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

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For more detailed information on Coat Color test results, please visit our website at:
www.vgl.ucdavis.edu/services/coatcolordog.php

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