

HAVANESE GENETIC HEALTH PANEL TEST REPORT

Provided Information:		Case:	NCD153904
Name:	BESEME'S WHEN ONLY THE BEST WILL DO	Date Received:	07-May-2021
Registration:	TS44277301	Report Issue Date:	19-May-2021
		Report ID:	0132-3823-2751-7042
Verify report at www.vgl.ucdavis.edu/verify			
DOB: 10/05/2019 Sex: Male Breed: Havanese Microchip: 956000011919162 Color: black Irish pied			
Call Name: Steinway			
Sire:	BESEME'S GOT PLENTY TO BE THANKFUL FOR	Dam:	BESEME'S TELLING IT LIKE IT IS
Reg:	TS36578203	Reg:	TS25449401
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: NCD153904 Date Received: 07-May-2021 Report Issue Date: 19-May-2021 Report ID: 0132-3823-2751-7042 Verify report at www.vgl.ucdavis.edu/verify
Name: BESEME'S WHEN ONLY THE BEST WILL DO	

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: BESEME'S WHEN ONLY THE BEST WILL DO Registration: TS44277301		Case: NCD153904 Date Received: 07-May-2021 Report Issue Date: 19-May-2021 Report ID: 2611-2608-8380-3060 Verify report at www.vgl.ucdavis.edu/verify
DOB: 10/05/2019 Sex: Male Breed: Havanese Microchip: 956000011919162 Color: black Irish pied		
Call Name: Steinway		
Sire: BESEME'S GOT PLENTY TO BE THANKFUL FOR Reg: TS36578203 Microchip:		Dam: BESEME'S TELLING IT LIKE IT IS Reg: TS25449401 Microchip:

RESULT

INTERPRETATION

COAT LENGTH	L/L	Dog has long hair.
CURL	N/C	Dog has wavy coat.
FURNISHINGS	F/F	Dog has furnishings. All offspring will have furnishings.
IMPROPER COAT		Not requested.

DOG COAT TYPE TEST REPORT

Client/Owner/Agent Information: CHARLENE STOUTSENBERGER 575 NORTH 870 WEST WEST BOUNTIFUL, UT 84087-1962	Case: NCD153904 Date Received: 07-May-2021 Report Issue Date: 19-May-2021 Report ID: 2611-2608-8380-3060 Verify report at www.vgl.ucdavis.edu/verify
Name: BESEME'S WHEN ONLY THE BEST WILL DO	

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.

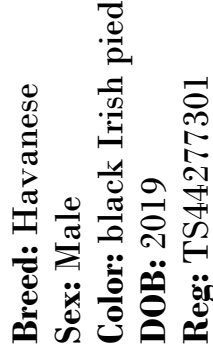
For more detailed information on Dog Coat Type test results, please visit our website at:
www.vgl.ucdavis.edu/services/DogCoatLengthCurlandFurnishings.php

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

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BESEME'S WHEN ONLY THE BEST WILL DO




Havanese IR

IR = -0.02 (-0.05 to 0.01)

Internal relatedness (IR) is an allele frequency weighted indicator of homozygosity. IR values of siblings vary due to segregation but will increase on average with inbreeding. Lower IR values indicate greater genetic diversity. IR is calculated relative to breed.

Havanese DLA		
	DLA I	DLA II
Haplotype 1	1054	2022
Haplotype 2	1115	2003



Veterinary Genetics Laboratory
 One Shields Avenue, Davis, CA 95616
 530-752-2211
www.vgl.ucdavis.edu

CHARLENE STOUTSENBERGER
575 NORTH 870 WEST
WEST BOUNTIFUL, UT 84087-1962

CANINE GENETIC DIVERSITY TEST REPORT

Provided Information:		Case:	NCD153904
Name:	BESEME'S WHEN ONLY THE BEST WILL DO	Date Received:	07-May-2021
Registration:	TS44277301	Report Issue Date:	17-May-2021
		Report ID:	2350-3820-0716-1164
		Verify report at www.vgl.ucdavis.edu/verify	
DOB: 10/05/2019 Sex: Male Breed: Havanese Microchip: 956000011919162 Color: black Irish pied			
Call Name: Steinway			
Sire:	BESEME'S GOT PLENTY TO BE THANKFUL FOR	Dam:	BESEME'S TELLING IT LIKE IT IS
Reg:	TS36578203	Reg:	TS25449401
Microchip:		Microchip:	

INTERNAL RELATEDNESS

IR = -0.02 (-0.05 to 0.01)

DLA HAPLOTYPE RESULT

	DLA I	DLA II
Haplotype 1	1054	2022
Haplotype 2	1115	2003

DIVERSITY PANEL

LOCUS	TYPE	LOCUS	TYPE	LOCUS	TYPE
1: AHT121	102/104	2: AHT137	131/139	3: AHTH130	119/127
4: AHTH171-A	225/231	5: AHTH260	248/250	6: AHTk211	87/95
7: AHTk253	288/288	8: C22.279	118/118	9: FH2001	132/132
10: FH2054	156/156	11: FH2848	240/242	12: INRA21	103/95
13: INU005	124/126	14: INU030	144/152	15: INU055	210/214
16: LEI004	85/85	17: REN105L03	233/241	18: REN162C04	202/206
19: REN169D01	220/220	20: REN169O18	166/166	21: REN247M23	272/276
22: REN54P11	228/236	23: REN64E19	139/153	24: VGL0760	21.2/23.2
25: VGL0910	18.1/21.1	26: VGL1063	17/22	27: VGL1165	18/28
28: VGL1828	16/23	29: VGL2009	11/14	30: VGL2409	17/18
31: VGL2918	13/13	32: VGL3008	18/19	33: VGL3235	14/19

CANINE GENETIC DIVERSITY TEST REPORT

Client/Owner/Agent Information: CHARLENE STOUTSENBERGER 575 NORTH 870 WEST WEST BOUNTIFUL, UT 84087-1962	Case: NCD153904 Date Received: 07-May-2021 Report Issue Date: 17-May-2021 Report ID: 2350-3820-0716-1164 Verify report at www.vgl.ucdavis.edu/verify
Name: BESEME'S WHEN ONLY THE BEST WILL DO	

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: BESEME'S WHEN ONLY THE BEST WILL DO Registration: TS44277301	Case: NCD153904 Date Received: 07-May-2021 Report Issue Date: 26-May-2021 Report ID: 5687-5458-9956-3155 Verify report at www.vgl.ucdavis.edu/verify
DOB: 10/05/2019 Sex: Male Breed: Havanese Microchip: 956000011919162 Color: black Irish pied	
Call Name: Steinway	
Sire: BESEME'S GOT PLENTY TO BE THANKFUL FOR Dam: BESEME'S TELLING IT LIKE IT IS Reg: TS36578203 Reg: TS25449401 Microchip: Microchip:	

RESULT

INTERPRETATION

MC1R (E LOCUS)	E/E	2 copies of black
BROWN (B LOCUS)	B/b	1 copy of brown present - carrier
DILUTE (D LOCUS)	D/D	No known dilution variants present.
DOMINANT BLACK (K LOCUS)	K/N	1 copy of dominant black is present *
AGOUTI (A LOCUS)	a ^y /a ^y	Homozygous for fawn/sable
MERLE		Not requested.
PIEBALD (S LOCUS)	S/S	Dog has 2 copies 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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Name: BESEME'S WHEN ONLY THE BEST WILL DO	

Additional Information

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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

* This result is sometimes associated with the brindle pattern.

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