

HAVANESE GENETIC HEALTH PANEL TEST REPORT

Provided Information: Name: BESEME'S GOT PLENTY TO BE THANKFUL FOR Registration: TS36578203		Case: NCD153905 Date Received: 07-May-2021 Report Issue Date: 24-May-2021 Report ID: 3224-9790-7190-1113 Verify report at www.vgl.ucdavis.edu/verify
DOB: 11/23/2017 Sex: Male Breed: Havanese Microchip: 981020023255947 Color: black Irish pied		
Call Name: Plent'E		
Sire: JOYFULNOISE COME FLY WITH ME Reg: TR76419801 Microchip:		Dam: BESEME'S FAIRY TAILS DO COME TRUE Reg: TS22346702 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: NCD153905 Date Received: 07-May-2021 Report Issue Date: 24-May-2021 Report ID: 3224-9790-7190-1113 Verify report at www.vgl.ucdavis.edu/verify
Name: BESEME'S GOT PLENTY TO BE THANKFUL FOR	

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.

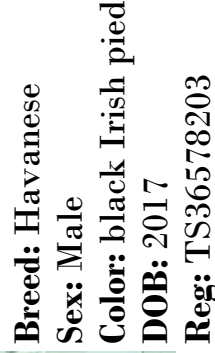
For more detailed information on Dog Coat Type test results, please visit our website at:
www.vgl.ucdavis.edu/services/DogCoatLengthCurlandFurnishings.php

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BESEME'S GOT PLENTY TO BE THANKFUL FOR



Havane IR

Frequency

Most Outbred

Most Inbred

IR = 0.00 (-0.03 to 0.04)

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	1033	2035
Haplotype 2	1054	2022

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:	NCD153905
Name:	BESEME'S GOT PLENTY TO BE THANKFUL FOR	Date Received:	07-May-2021
Registration:	TS36578203	Report Issue Date:	21-May-2021
		Report ID:	9517-2876-7354-2175
Verify report at www.vgl.ucdavis.edu/verify			
DOB: 11/23/2017 Sex: Male Breed: Havanese Microchip: 981020023255947 Color: black Irish pied			
Call Name: Plent'E			
Sire:	JOYFULNOISE COME FLY WITH ME	Dam:	BESEME'S FAIRY TAILS DO COME TRUE
Reg:	TR76419801	Reg:	TS22346702
Microchip:		Microchip:	

INTERNAL RELATEDNESS

IR = 0.00 (-0.03 to 0.04)

DLA HAPLOTYPE RESULT

	DLA I	DLA II
Haplotype 1	1033	2035
Haplotype 2	1054	2022

DIVERSITY PANEL

LOCUS	TYPE	LOCUS	TYPE	LOCUS	TYPE
1: AHT121	102/102	2: AHT137	131/147	3: AHTH130	119/119
4: AHTH171-A	225/231	5: AHTH260	244/248	6: AHTk211	89/95
7: AHTk253	284/288	8: C22.279	118/124	9: FH2001	132/132
10: FH2054	156/164	11: FH2848	236/240	12: INRA21	95/95
13: INU005	124/126	14: INU030	144/152	15: INU055	214/218
16: LEI004	85/85	17: REN105L03	231/241	18: REN162C04	206/206
19: REN169D01	218/220	20: REN169O18	166/166	21: REN247M23	272/276
22: REN54P11	226/236	23: REN64E19	139/153	24: VGL0760	23.2/23.2
25: VGL0910	17.1/21.1	26: VGL1063	17/18	27: VGL1165	26/28
28: VGL1828	16/21	29: VGL2009	11/13	30: VGL2409	16/17
31: VGL2918	13/18.3	32: VGL3008	18/19	33: VGL3235	13/19

CANINE GENETIC DIVERSITY TEST REPORT

Client/Owner/Agent Information: CHARLENE STOUTSENBERGER 575 NORTH 870 WEST WEST BOUNTIFUL, UT 84087-1962	Case: NCD153905 Date Received: 07-May-2021 Report Issue Date: 21-May-2021 Report ID: 9517-2876-7354-2175 Verify report at www.vgl.ucdavis.edu/verify
Name: BESEME'S GOT PLENTY TO BE THANKFUL FOR	

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:		Case:	NCD153905
Name:	BESEME'S GOT PLENTY TO BE THANKFUL FOR	Date Received:	07-May-2021
Registration:	TS36578203	Report Issue Date:	26-May-2021
		Report ID:	1067-0299-2461-1073
Verify report at www.vgl.ucdavis.edu/verify			
DOB: 11/23/2017 Sex: Male Breed: Havanese Microchip: 981020023255947 Color: black Irish pied			
Call Name: Plent'E			
Sire:	JOYFULNOISE COME FLY WITH ME	Dam:	BESEME'S FAIRY TAILS DO COME TRUE
Reg:	TR76419801	Reg:	TS22346702
Microchip:		Microchip:	

RESULT

INTERPRETATION

MC1R (E LOCUS)	E/E
BROWN (B LOCUS)	B/B
DILUTE (D LOCUS)	D/D
DOMINANT BLACK (K LOCUS)	K/N
AGOUTI (A LOCUS)	a^y/a^y
MERLE	
PIEBALD (S LOCUS)	S/S
HARLEQUIN (GREAT DANE)	
NATURAL BOBTAIL	
DOBERMAN OCA	
GERMAN SHEPHERD PANDA SPOTTING	
INTENSITY DILUTION	

2 copies of black

Does not carry brown - cannot have brown offspring

No known dilution variants present.

1 copy of dominant black is present *

Homozygous for fawn/sable

Not requested.

Dog has 2 copies of piebald.

Not requested.

Not requested.

Not requested.

Not requested.

Not requested.

DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

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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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