

## HAVANESE GENETIC HEALTH PANEL TEST REPORT

<b>Provided Information:</b>  <b>Name:</b> BESEME'S SOMETHING TO WRITE HOME ABOUT <b>Registration:</b> TS34016404	<b>Case:</b> <b>NCD149040</b> <b>Date Received:</b> 05-Apr-2021 <b>Report Issue Date:</b> 15-Apr-2021 <b>Report ID:</b> 0265-6640-6306-0046  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>		
<b>DOB:</b> 03/31/2017 <b>Sex:</b> Female <b>Breed:</b> Havanese <b>Microchip:</b> 981020021036525 <b>Color:</b> black parti belton			
<b>Call Name:</b> Cliche			
<table style="width: 100%;"> <tr> <td style="width: 50%;"> <b>Sire:</b> JOYFULNOISE COME FLY WITH ME  <b>Reg:</b> TR76419801  <b>Microchip:</b> </td> <td style="width: 50%;"> <b>Dam:</b> BESEME'S FAIRY TAILS DO COME TRUE  <b>Reg:</b> TS22346702  <b>Microchip:</b> </td> </tr> </table>		<b>Sire:</b> JOYFULNOISE COME FLY WITH ME <b>Reg:</b> TR76419801 <b>Microchip:</b>	<b>Dam:</b> BESEME'S FAIRY TAILS DO COME TRUE <b>Reg:</b> TS22346702 <b>Microchip:</b>
<b>Sire:</b> JOYFULNOISE COME FLY WITH ME <b>Reg:</b> TR76419801 <b>Microchip:</b>	<b>Dam:</b> BESEME'S FAIRY TAILS DO COME TRUE <b>Reg:</b> TS22346702 <b>Microchip:</b>		

### RESULT

### INTERPRETATION

<b>Chondrodystrophy (CDDY)</b>	<b>N/N</b>
<b>Chondrodysplasia (CDPA)</b>	<b>CDPA/CDPA</b>
<b>Canine Multifocal Retinopathy (CMR1)</b>	<b>N/N</b>
<b>vWD Type 1</b>	<b>N/N</b>

No copies of CDDY mutation.

2 copies of CDPA. Mutation causes leg shortening compared to N/N dogs.

Normal - no copies of the CMR1 mutation.

Normal - no copies of vWF mutation associated with vWD Type 1.

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<b>Client/Owner/Agent Information:</b> CHARLENE STOUTSENBERGER 575 NORTH 870 WEST WEST BOUNTIFUL, UT 84087-1962	<b>Case:</b> <b>NCD149040</b> <b>Date Received:</b> 05-Apr-2021 <b>Report Issue Date:</b> 15-Apr-2021 <b>Report ID:</b> 0265-6640-6306-0046  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>Name:</b> <b>BESEME'S SOMETHING TO WRITE HOME ABOUT</b>	

### 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](http://www.vgl.ucdavis.edu/services/dog/HavanesePanel.php)

For terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://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

<b>Provided Information:</b> <b>Name:</b> BESEME'S SOMETHING TO WRITE HOME ABOUT <b>Registration:</b> TS34016404		<b>Case:</b> <b>NCD149040</b> <b>Date Received:</b> 05-Apr-2021 <b>Report Issue Date:</b> 16-Apr-2021 <b>Report ID:</b> 0406-0444-8711-3020 Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>DOB:</b> 03/31/2017 <b>Sex:</b> Female <b>Breed:</b> Havanese <b>Microchip:</b> 981020021036525 <b>Color:</b> black parti belton		
<b>Call Name:</b> Cliche		
<b>Sire:</b> JOYFULNOISE COME FLY WITH ME <b>Reg:</b> TR76419801 <b>Microchip:</b>		<b>Dam:</b> BESEME'S FAIRY TAILS DO COME TRUE <b>Reg:</b> TS22346702 <b>Microchip:</b>

### RESULT

### INTERPRETATION

<b>COAT LENGTH</b>	<b>L/L</b>
<b>CURL</b>	<b>N/N</b>
<b>FURNISHINGS</b>	<b>F/F</b>
<b>IMPROPER COAT</b>	

Dog has long hair.

Dog has straight coat.

Dog has furnishings. All offspring will have furnishings.

Not requested.

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<b>Name:</b> <b>BESEME'S SOMETHING TO WRITE HOME ABOUT</b>	

### 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](http://www.vgl.ucdavis.edu/services/DogCoatLengthCurlandFurnishings.php)

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## CANINE GENETIC DIVERSITY TEST REPORT

<b>Provided Information:</b>		<b>Case:</b>	<b>NCD149040</b>
<b>Name:</b>	<b>BESEME'S SOMETHING TO WRITE HOME ABOUT</b>	<b>Date Received:</b>	05-Apr-2021
<b>Registration:</b>	<b>TS34016404</b>	<b>Report Issue Date:</b>	13-Apr-2021
		<b>Report ID:</b>	4761-2880-2657-2146
Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>			
<b>DOB: 03/31/2017 Sex: Female Breed: Havanese Microchip: 981020021036525 Color: black parti belton</b>			
<b>Call Name: Cliche</b>			
<b>Sire:</b>	JOYFULNOISE COME FLY WITH ME	<b>Dam:</b>	BESEME'S FAIRY TAILS DO COME TRUE
<b>Reg:</b>	TR76419801	<b>Reg:</b>	TS22346702
<b>Microchip:</b>		<b>Microchip:</b>	

### INTERNAL RELATEDNESS

IR = 0.11 (0.07 to 0.14)

### DLA HAPLOTYPE RESULT

	DLA I	DLA II
<b>Haplotype 1</b>	1033	2035
<b>Haplotype 2</b>	1054	2022

### DIVERSITY PANEL

LOCUS	TYPE	LOCUS	TYPE	LOCUS	TYPE
1: AHT121	102/102	2: AHT137	131/139	3: AHTH130	119/127
4: AHTH171-A	229/231	5: AHTH260	246/248	6: AHTk211	87/89
7: AHTk253	288/288	8: C22.279	124/124	9: FH2001	132/132
10: FH2054	160/176	11: FH2848	240/242	12: INRA21	95/95
13: INU005	124/126	14: INU030	144/144	15: INU055	212/214
16: LEI004	85/85	17: REN105L03	241/241	18: REN162C04	202/206
19: REN169D01	210/216	20: REN169O18	160/166	21: REN247M23	272/276
22: REN54P11	226/236	23: REN64E19	139/149	24: VGL0760	23.2/26.2
25: VGL0910	17.1/23	26: VGL1063	17/20	27: VGL1165	28/28
28: VGL1828	16/16	29: VGL2009	11/13	30: VGL2409	17/18
31: VGL2918	13/13	32: VGL3008	18/19	33: VGL3235	13/17

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<b>Name:</b> <b>BESEME'S SOMETHING TO WRITE HOME ABOUT</b>	

### 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](http://www.vgl.ucdavis.edu/test/canine-genetic-diversity)

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## DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

<b>Provided Information:</b>  <b>Name:</b> BESEME'S SOMETHING TO WRITE HOME ABOUT <b>Registration:</b> TS34016404	<b>Case:</b> NCD149040 <b>Date Received:</b> 05-Apr-2021 <b>Report Issue Date:</b> 16-Apr-2021 <b>Report ID:</b> 2590-4703-2236-3040  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>DOB:</b> 03/31/2017 <b>Sex:</b> Female <b>Breed:</b> Havanese <b>Microchip:</b> 981020021036525 <b>Color:</b> black parti belton	
<b>Call Name:</b> Cliche	
<b>Sire:</b> JOYFULNOISE COME FLY WITH ME <b>Dam:</b> BESEME'S FAIRY TAILS DO COME TRUE <b>Reg:</b> TR76419801 <b>Reg:</b> TS22346702 <b>Microchip:</b> <b>Microchip:</b>	

### RESULT

### INTERPRETATION

MC1R (E LOCUS)	E/E	2 copies of black
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)	K/N	1 copy of dominant black is present *
AGOUTI (A LOCUS)	a <sup>4</sup> /a	Dog has black-and-tan and carries recessive black
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.



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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](http://www.vgl.ucdavis.edu/services/coatcolordog.php)

\* This result is sometimes associated with the brindle pattern.

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