

## DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

<p><i>Provided Information:</i></p> <p><i>Name:</i> <b>BB'S HARVEY DENT REESE OF SHOW ME BULLDOGS</b></p> <p><i>Registration:</i></p>	<p><i>Case:</i> <b>NCD195615</b></p> <p><i>Date Received:</i> 07-Jul-2022</p> <p><i>Report Issue Date:</i> 26-Jul-2022</p> <p><i>Report ID:</i> 4243-5688-2016-9140</p> <p style="text-align: center; font-size: small;">Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a></p>
<p><i>DOB:</i> <b>04/16/2022</b> <i>Sex:</i> <b>Male</b> <i>Breed:</i> <b>French Bulldog</b> <i>Color:</i> <b>Blue Merle</b></p>	
<p><i>Call Name:</i> <b>Harvey</b></p>	

### RESULT

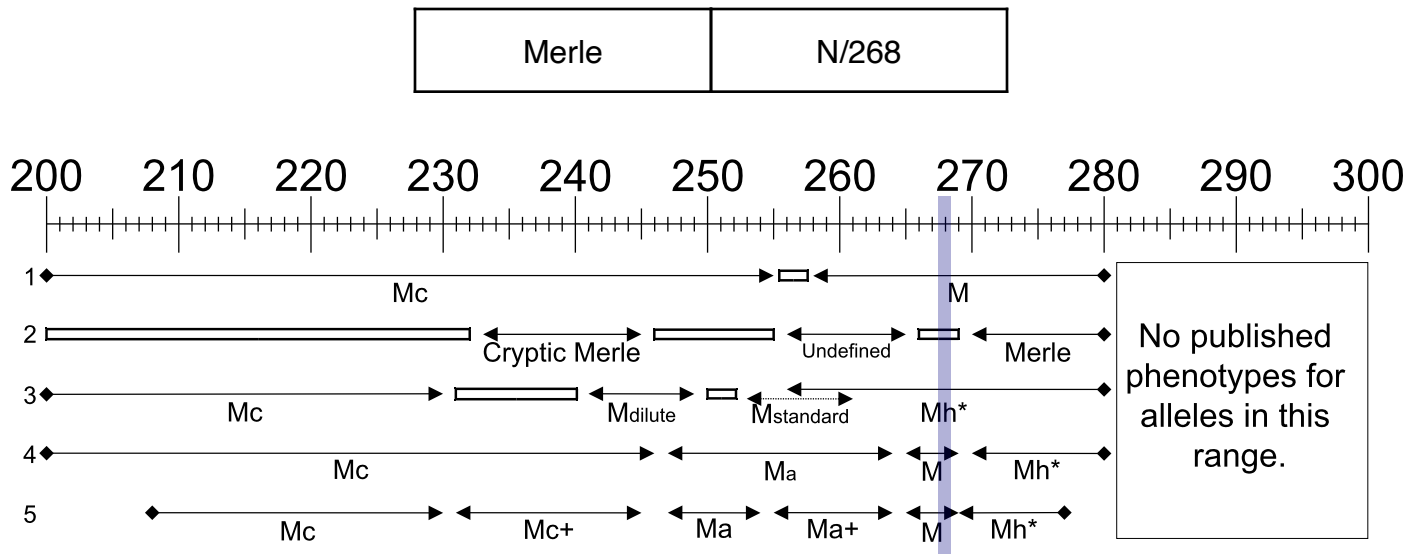
### INTERPRETATION

Locus	Genotype	Interpretation
MC1R (E LOCUS)	<b>E<sup>m</sup>/E<sup>m</sup></b>	2 copies of mask.
BROWN (B LOCUS)	<b>B/B</b>	Does not carry brown - cannot have brown offspring.
DILUTE (D LOCUS)	<b>d<sup>1</sup>/d<sup>1</sup></b>	Dilute, 2 copies of the dilution variants.
DOMINANT BLACK (K LOCUS)	<b>K/N</b>	1 copy of dominant black is present. *
LEGACY AGOUTI	<b>a<sup>t</sup>/a<sup>t</sup></b>	Homozygous for black-and-tan.
AGOUTI (A LOCUS)	<b>ASIP<sup>BB1</sup>/ASIP<sup>BB1</sup></b>	Two copies of black back 1.
MERLE	<b>N/268</b>	One copy of the merle associated SINE insertion. See attachment (last page) for additional information.
PIEBALD (S LOCUS)	<b>N/S</b>	Dog has 1 copy of piebald.
INTENSITY DILUTION	<b>In/In</b>	2 copies of intensity dilution. Red pigment is likely to be diluted to cream or white.
COCOA	<b>N/co</b>	Carrier of the cocoa variant.

**ADDITIONAL INFORMATION FOR  
MERLE RESULTS**

<b>Provided Information:</b>	<b>Case:</b> <b>NCD195615</b>
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<b>Registration:</b>	<b>Report Issue Date:</b> 26-Jul-2022
	<b>Report ID:</b> 4243-5688-2016-9140
	Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>DOB:</b> 04/16/2022 <b>Sex:</b> Male <b>Breed:</b> French Bulldog <b>Color:</b> Blue Merle	
<b>Call Name:</b> Harvey	

Several interpretations and nomenclatures for the Merle variant have been proposed. Below is a graphical display of the merle alleles detected and the publications that define these nomenclatures.



Open boxes represent unassigned size variants within a specific naming system.

<sup>1</sup>Previous merle pattern result reported by the VGL.

Mc=200-255, M=258-280

<sup>2</sup>Merle pattern nomenclature defined by Clark et al. 2006.

<sup>3</sup>Merle pattern nomenclature defined by Murphy et al. 2018.

Mc=200-230, Mdilute=241-249, Mstandard=253-261, Mh=256-280

<sup>4</sup>Merle pattern nomenclature defined by Ballif et al. 2018.

Mc=200-246, Ma=247-264, M=265-269, Mh=270-280

<sup>5</sup>Merle pattern nomenclature defined by Langevin et al. 2018.

Mc=208-230, Mc+=231-245, Ma=247-254, Ma+=255-264, M=265-269, Mh=269-277

\* Mh "harlequin" is not the true Great Dane Harlequin (H) identified by Clark et al. 2008.

## FRENCH BULLDOG GENETIC HEALTH PANEL TEST REPORT

<p><i>Provided Information:</i></p> <p><i>Name:</i> <b>BB'S HARVEY DENT REESE OF SHOW ME BULLDOGS</b></p> <p><i>Registration:</i></p>	<p><i>Case:</i> <b>NCD195615</b></p> <p><i>Date Received:</i> 07-Jul-2022</p> <p><i>Report Issue Date:</i> 20-Jul-2022</p> <p><i>Report ID:</i> 8543-7367-9279-4066</p> <p style="text-align: center; font-size: small;">Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a></p>
<p><i>DOB:</i> <b>04/16/2022</b> <i>Sex:</i> <b>Male</b> <i>Breed:</i> <b>French Bulldog</b> <i>Color:</i> <b>Blue Merle</b></p>	
<p><i>Call Name:</i> <b>Harvey</b></p>	

### RESULT

### INTERPRETATION

Condition	Result	Interpretation
<b>Canine Multifocal Retinopathy (CMR1)</b>	<b>N/N</b>	Normal - no copies of the CMR1 mutation.
<b>Degenerative Myelopathy (DM)</b>	<b>N/DM</b>	1 copy of the DM mutation.
<b>Juvenile Hereditary Cataract (JHC)</b>	<b>N/N</b>	No copies of JHC mutation. Cataracts may however develop because of other genetic and environmental factors.
<b>Hyperuricosuria (HUU)</b>	<b>N/N</b>	No copies of the hyperuricosuria mutation detected. Dog is normal.

## COAT LENGTH TEST REPORT

<p><i>Provided Information:</i></p> <p><i>Name:</i> <b>BB'S HARVEY DENT REESE OF SHOW ME BULLDOGS</b></p> <p><i>Registration:</i></p>	<p><i>Case:</i> <b>NCD195615</b></p> <p><i>Date Received:</i> 07-Jul-2022</p> <p><i>Report Issue Date:</i> 20-Jul-2022</p> <p><i>Report ID:</i> 1123-3588-1168-5113</p> <p style="text-align: center; font-size: small;">Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a></p>
<p><i>DOB:</i> <b>04/16/2022</b> <i>Sex:</i> <b>Male</b> <i>Breed:</i> <b>French Bulldog</b> <i>Color:</i> <b>Blue Merle</b></p>	
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### RESULT

### INTERPRETATION

<b>COAT LENGTH</b>	<b>S/L4</b>
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Dog has short hair and carries long hair gene.