

**MERLE  
TEST REPORT**

<b>Provided Information:</b>	<b>Case:</b> <b>NCD217396</b>
<b>Name:</b> <b>WOODLANDS PEARL</b>	<b>Date Received:</b> 04-Apr-2023
<b>Registration:</b> <b>NP71791006</b>	<b>Report Issue Date:</b> 12-Apr-2023
	<b>Report ID:</b> 7161-1515-8301-7191
Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>	
<b>DOB: 12/03/2021 Sex: Female Breed: French Bulldog Microchip: 900215002436430</b>	

**RESULT**

**INTERPRETATION**

<b>MERLE</b>	<b>N/267</b>
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One copy of the merle associated SINE insertion. See attachment (last page) for additional information.

**MERLE  
TEST REPORT**

<p><i>Client/Owner/Agent Information:</i>  RONNIE COBLENTZ  6827 COUNTY ROAD 672   MILLERSBURG, OH 44654</p>	<p><i>Case:</i> <b>NCD217396</b>  <i>Date Received:</i> 04-Apr-2023  <i>Report Issue Date:</i> 12-Apr-2023  <i>Report ID:</i> 7161-1515-8301-7191</p> <p>Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a></p>
<p><i>Name:</i> <b>WOODLANDS PEARL</b></p>	

**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 Color test results, please visit our website at:  
[www.vgl.ucdavis.edu/resources/dog-coat-color](http://www.vgl.ucdavis.edu/resources/dog-coat-color)

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**

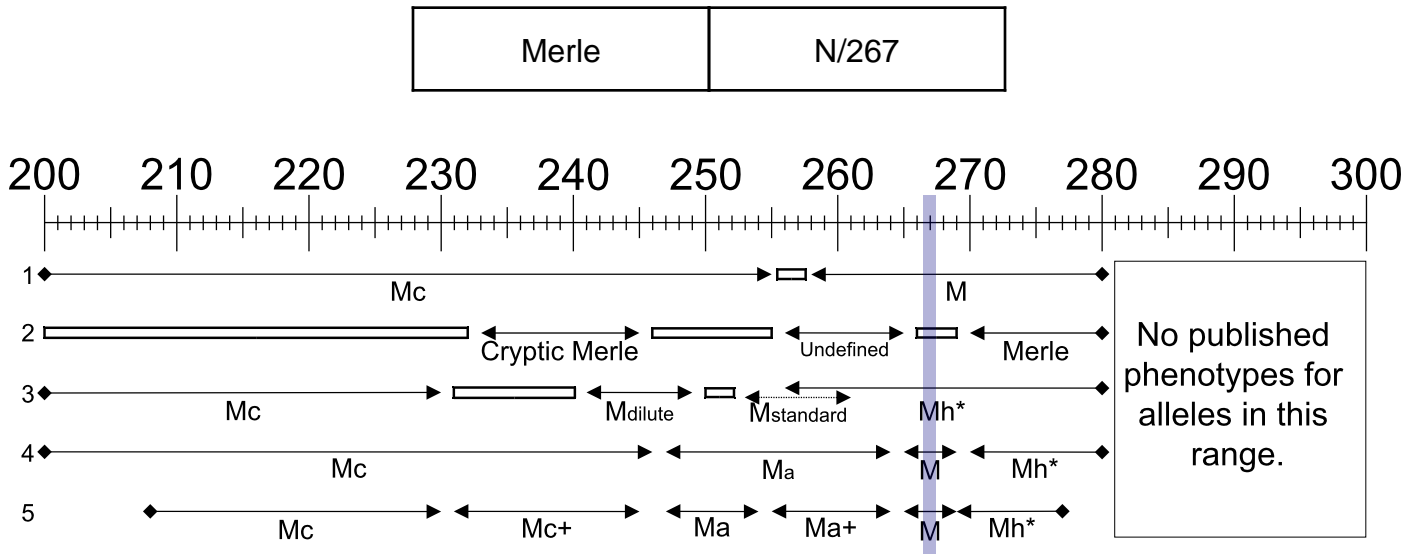
Veterinary Genetics Laboratory · University of California Davis · One Shields Ave · Davis, CA 95616  
[vgl.ucdavis.edu](http://vgl.ucdavis.edu) · (530) 752-2211



**ADDITIONAL INFORMATION FOR  
MERLE RESULTS**

<b>Provided Information:</b>	<b>Case:</b> <b>NCD217396</b>
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<b>DOB:</b> 12/03/2021 <b>Sex:</b> Female <b>Breed:</b> French Bulldog <b>Microchip:</b> 900215002436430	

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

<b>Provided Information:</b>  Name: <b>WOODLANDS PEARL</b> Registration: <b>NP71791006</b>	<b>Case: NCD217396</b> Date Received: 04-Apr-2023 Report Issue Date: 10-Apr-2023 Report ID: 2819-3383-9477-8104  <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>
DOB: <b>12/03/2021</b> Sex: <b>Female</b> Breed: <b>French Bulldog</b> Microchip: <b>900215002436430</b>	

### RESULT

### INTERPRETATION

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

## FRENCH BULLDOG GENETIC HEALTH PANEL TEST REPORT

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<p><i>Name:</i> <b>WOODLANDS PEARL</b></p>	

**Additional Information**

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For more detailed information on French Bulldog Genetic test results, please visit our website at: [www.vgl.ucdavis.edu/services/dog/FrenchBulldogHealthPanel.php](http://www.vgl.ucdavis.edu/services/dog/FrenchBulldogHealthPanel.php)

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