

## DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

<b>Provided Information:</b>	<b>Case:</b>	<b>NCD231379</b>
<b>Name:</b> HONEY HORNBURG	<b>Date Received:</b>	13-Dec-2023
<b>Registration:</b>	<b>Report Issue Date:</b>	15-Dec-2023
	<b>Report ID:</b>	5983-0879-0053-7195
		Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>DOB:</b> <b>Sex:</b> Female <b>Breed:</b> Miniature American Shepherd <b>Color:</b> Yellow		
<b>Call Name:</b> Honey		

### RESULT

### INTERPRETATION

<b>MC1R (E LOCUS)</b>	<b>e<sup>1</sup>/e<sup>1</sup></b>
<b>MERLE</b>	<b>N/N</b>

2 copies of red/yellow/cream.

No copies of the merle associated SINE insertion.

## DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

<b>Client/Owner/Agent Information:</b> KATHY HORNBURG	<b>Case:</b> <b>NCD231379</b> <b>Date Received:</b> 13-Dec-2023 <b>Report Issue Date:</b> 15-Dec-2023 <b>Report ID:</b> 5983-0879-0053-7195  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>Name:</b> <b>HONEY HORNBURG</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 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).

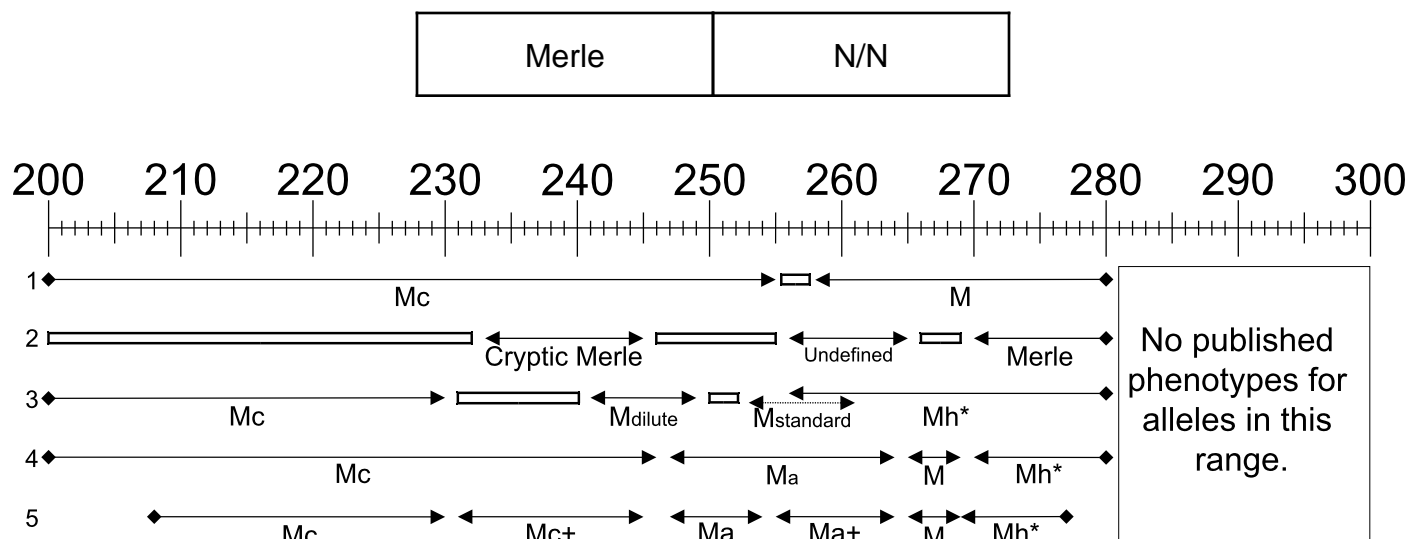
**Report authorized by Dr. Rebecca Bellone, VGL Director**

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>Name:</b> HONEY HORNBURG  <b>Registration:</b>	<b>Case:</b> NCD231379 <b>Date Received:</b> 13-Dec-2023 <b>Report Issue Date:</b> 15-Dec-2023 <b>Report ID:</b> 5983-0879-0053-7195  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>DOB:</b> <b>Sex:</b> Female <b>Breed:</b> Miniature American Shepherd <b>Color:</b> Yellow	
<b>Call Name:</b> Honey	

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.