

**MERLE
TEST REPORT**

<i>Provided Information:</i>		<i>Case:</i>	NCD213444
<i>Name:</i>	CHIĚSVAR'S BLUE BITTERSWEET	<i>Date Received:</i>	09-Feb-2023
<i>Registration:</i>	NHSB 3207482	<i>Report Issue Date:</i>	23-Feb-2023
		<i>Report ID:</i>	4706-1493-1868-5182
Verify report at www.vgl.ucdavis.edu/verify			
<i>DOB:</i> 09/14/2020 <i>Sex:</i> Female <i>Breed:</i> Australian Shepherd <i>Microchip:</i> 528140000806343 <i>Color:</i> bluemerle, tan en wit			
<i>Call Name:</i> Teddy			
<i>Sire:</i>	SUN YUST DREAM DU JARDIN DE LA VIGNE	<i>Dam:</i>	LIGHT IT UP DOWNEASTER ALEXA
<i>Reg:</i>	NHSB bijl.G-2-2767447	<i>Reg:</i>	NHSB 2987862
<i>Microchip:</i>		<i>Microchip:</i>	

RESULT

INTERPRETATION

MERLE	N/268
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One copy of the merle associated SINE insertion. See attachment (last page) for additional information.

MERLE TEST REPORT

Client/Owner/Agent Information: IRIS MADERN PARALLELWEG 67 GORINCHEM, 4203NP NETHERLANDS	Case: NCD213444 Date Received: 09-Feb-2023 Report Issue Date: 23-Feb-2023 Report ID: 4706-1493-1868-5182 Verify report at www.vgl.ucdavis.edu/verify
Name: CHIËSVAR'S BLUE BITTERSWEET	

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

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).

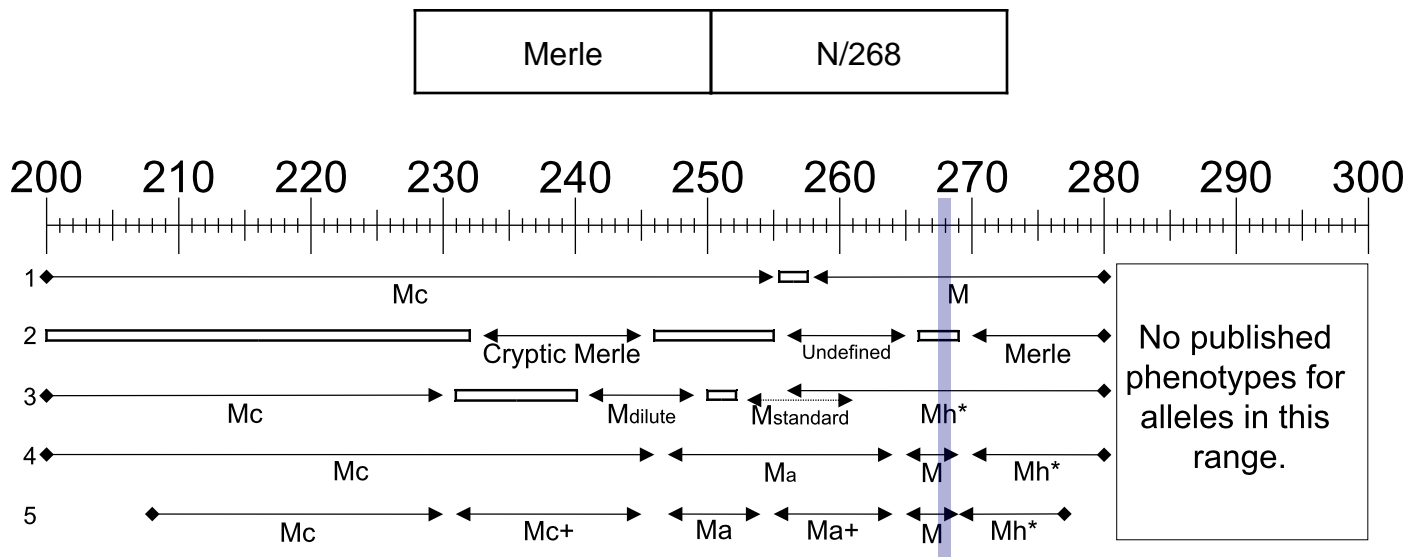
Report authorized by Dr. Rebecca Bellone, VGL Director

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

ADDITIONAL INFORMATION FOR MERLE RESULTS

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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.

¹Previous merle pattern result reported by the VGL.
 Mc=200-255, M=258-280

²Merle pattern nomenclature defined by Clark et al. 2006.

³Merle pattern nomenclature defined by Murphy et al. 2018.
 Mc=200-230, M^{dilute}=241-249, M^{standard}=253-261, M^h=256-280

⁴Merle pattern nomenclature defined by Ballif et al. 2018.
 Mc=200-246, M^a=247-264, M=265-269, M^h=270-280

⁵Merle pattern nomenclature defined by Langevin et al. 2018.
 Mc=208-230, M^{c+}=231-245, M^a=247-254, M^{a+}=255-264, M=265-269, M^h=269-277

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