

## DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

<b>Provided Information:</b>  <b>Name:</b> ALLAMBIE HARDINGS PONGO <b>Registration:</b> 001606/4B	<b>Case:</b> <b>NCD157709</b> <b>Date Received:</b> 03-Jun-2021 <b>Report Issue Date:</b> 24-Jun-2021 <b>Report ID:</b> 4807-7428-1757-2180  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>DOB: 08/01/2017 Sex: Female Breed: Koolie Microchip: 90141000507684 Color: red tri merle</b>	
<b>Call Name: Pongo</b>	
<b>Sire:</b> HARDINGS MILO <b>Dam:</b> HARDINGS ROXY <b>Reg:</b> unreg <b>Reg:</b> unreg <b>Microchip:</b> <b>Microchip:</b>	

### RESULT

### INTERPRETATION

MC1R (E LOCUS)		Not requested.
BROWN (B LOCUS)		Not requested.
DILUTE (D LOCUS)		Not requested.
DOMINANT BLACK (K LOCUS)		Not requested.
AGOUTI (A LOCUS)		Not requested.
MERLE	N/266	One copy of the merle associated SINE insertion. See attachment (last page) for additional information.
PIEBALD (S LOCUS)		Not requested.
HARLEQUIN (GREAT DANE)		Not requested.
NATURAL BOBTAIL		Not requested.
DOBERMAN OCA		Not requested.
GERMAN SHEPHERD PANDA SPOTTING		Not requested.
INTENSITY DILUTION		Not requested.

## DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

<b>Client/Owner/Agent Information:</b> JACKIE HUNTER P O BOX 1372 ATHERTON QLD 4883 AUSTRALIA	<b>Case:</b> <b>NCD157709</b> <b>Date Received:</b> 03-Jun-2021 <b>Report Issue Date:</b> 24-Jun-2021 <b>Report ID:</b> 4807-7428-1757-2180  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>Name:</b> <b>ALLAMBIE HARDINGS PONGO</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 Coat Color test results, please visit our website at:  
[www.vgl.ucdavis.edu/services/coatcolordog.php](http://www.vgl.ucdavis.edu/services/coatcolordog.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)

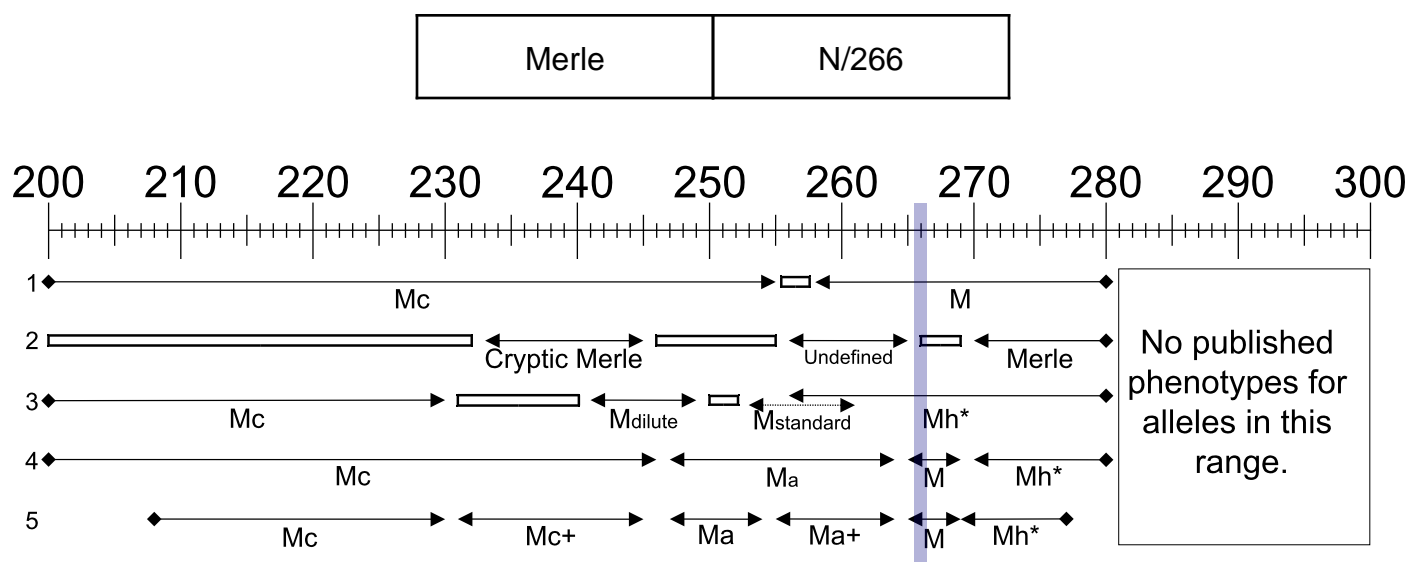
Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

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

## ADDITIONAL INFORMATION FOR MERLE RESULTS

<b>Provided Information:</b>  <b>Name:</b> ALLAMBIE HARDINGS PONGO <b>Registration:</b> 001606/4B		<b>Case:</b> <b>NCD157709</b> <b>Date Received:</b> 03-Jun-2021 <b>Report Issue Date:</b> 24-Jun-2021 <b>Report ID:</b> 4807-7428-1757-2180  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>DOB:</b> 08/01/2017 <b>Sex:</b> Female <b>Breed:</b> Koolie <b>Microchip:</b> 90141000507684 <b>Color:</b> red tri merle		
<b>Call Name:</b> Pongo		
<b>Sire:</b> HARDINGS MILO <b>Reg:</b> unreg <b>Microchip:</b>	<b>Dam:</b> HARDINGS ROXY <b>Reg:</b> unreg <b>Microchip:</b>	

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.