UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

Provided Information:	***Case:*** **NCD151274**
Name: **GREEN BOY- PY**	***Date Received:*** 20-Apr-2021
Registration:	***Report Issue Date:*** 06-May-2021
	Report ID: 2206-9483-5817-5182
	Verify report at www.vgl.ucdavis.edu/verify

DOB: **04/05/2021** *Sex:* **Male** *Breed:* **French Bulldog**

Sire: YOLO	*Dam:* PHYLLIS
Reg:	*Reg:*
Microchip:	*Microchip:*

RESULT		INTERPRETATION
MC1R (E LOCUS)	**e^1/e^1**	2 copies of red/yellow/cream
BROWN (B LOCUS)	**B/b**	1 copy of brown present - carrier
DILUTE (D LOCUS)	**d^1/d^1**	Dilute. 2 copies of the dilution variants.
DOMINANT BLACK (K LOCUS)	**N/N**	Dog does not have the dominant black mutation
AGOUTI (A LOCUS)	**a^t/a^t**	Homozygous for black-and-tan
MERLE	**N/N**	No copies of the merle associated SINE insertion.
PIEBALD (S LOCUS)	**N/N**	Dog has no copies of piebald.
HARLEQUIN (GREAT DANE)		Not requested.
NATURAL BOBTAIL		Not requested.
DOBERMAN OCA		Not requested.
GERMAN SHEPHERD PANDA SPOTTING		Not requested.
INTENSITY DILUTION	**In/In**	2 copies of intensity dilution. Red pigment is likely to be diluted to cream or white.

DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

Client/Owner/Agent Information:	*Case:*	**NCD151274**
MANDY PILGRIM	*Date Received:*	20-Apr-2021
	Report Issue Date:	06-May-2021
	Report ID:	2206-9483-5817-5182
	Verify report at www.vgl.ucdavis.edu/verify	
Name: **GREEN BOY- PY**		

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

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

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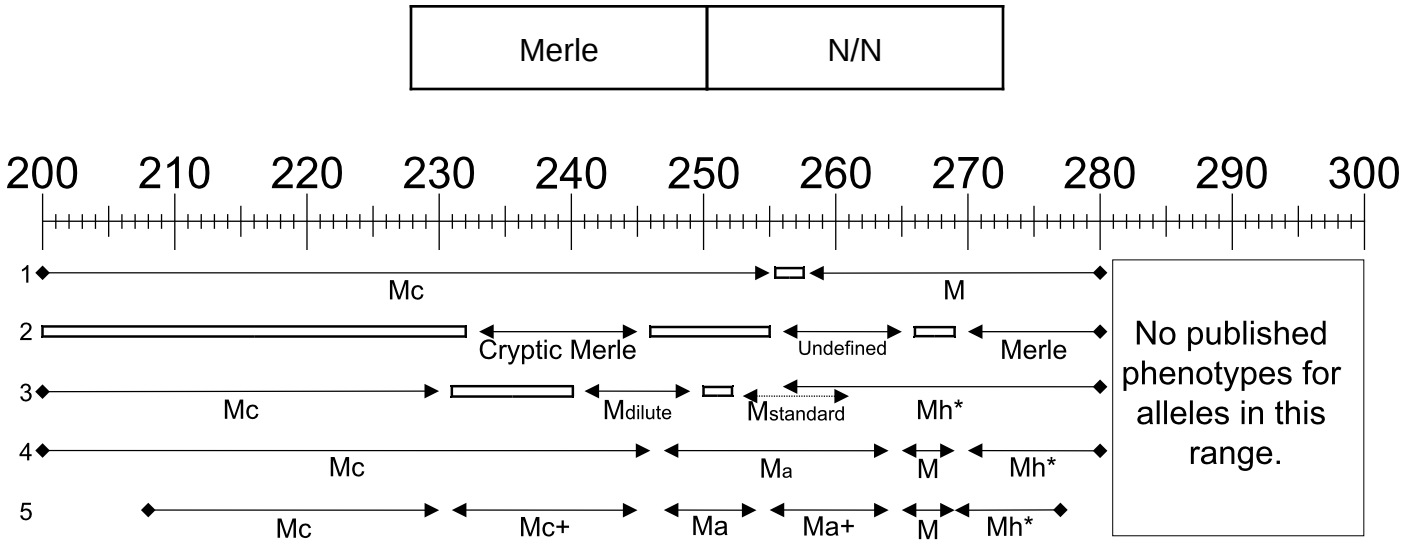
ADDITIONAL INFORMATION FOR MERLE RESULTS

Provided Information:	***Case:*** **NCD151274**
Name: **GREEN BOY- PY**	***Date Received:*** 20-Apr-2021
Registration:	***Report Issue Date:*** 06-May-2021
	Report ID: 2206-9483-5817-5182
	Verify report at www.vgl.ucdavis.edu/verify
DOB: **04/05/2021** *Sex:* **Male** *Breed:* **French Bulldog**	
Sire: YOLO	*Dam:* PHYLLIS
Reg:	*Reg:*
Microchip:	*Microchip:*

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.

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

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

[3]Merle pattern nomenclature defined by Murphy et al. 2018.
Mc=200-230, Mdilute=241-249, Mstandard=253-261, Mh=256-280

[4]Merle pattern nomenclature defined by Ballif et al. 2018.
Mc=200-246, Ma=247-264, M=265-269, Mh=270-280

[5]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.

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DOG COAT TYPE TEST REPORT

Provided Information:	***Case:*** **NCD151274**
Name: **GREEN BOY- PY**	***Date Received:*** 20-Apr-2021
Registration:	***Report Issue Date:*** 03-May-2021
	Report ID: 7692-5441-4405-7111
	Verify report at www.vgl.ucdavis.edu/verify

DOB: **04/05/2021** *Sex:* **Male** *Breed:* **French Bulldog**

Sire: YOLO	*Dam:* PHYLLIS
Reg:	*Reg:*
Microchip:	*Microchip:*

RESULT		INTERPRETATION
COAT LENGTH	**S/L4**	Dog has short hair and carries long hair gene.
CURL		Not requested.
FURNISHINGS		Not requested.
IMPROPER COAT		Not requested.

DOG COAT TYPE TEST REPORT

Client/Owner/Agent Information:	*Case:*	**NCD151274**
MANDY PILGRIM	*Date Received:*	20-Apr-2021
	Report Issue Date:	03-May-2021
	Report ID:	7692-5441-4405-7111
	Verify report at www.vgl.ucdavis.edu/verify	
Name: **GREEN BOY- PY**		

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 Type test results, please visit our website at:
www.vgl.ucdavis.edu/services/DogCoatLengthCurlandFurnishings.php

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

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COCOA TEST REPORT

Provided Information:	***Case:*** **NCD151274**
Name: **GREEN BOY- PY**	***Date Received:*** 20-Apr-2021
Registration:	***Report Issue Date:*** 28-Apr-2021
	Report ID: 8735-8238-0810-7124
	Verify report at www.vgl.ucdavis.edu/verify

DOB: **04/05/2021** *Sex:* **Male** *Breed:* **French Bulldog**

Sire: YOLO	*Dam:* PHYLLIS
Reg:	*Reg:*
Microchip:	*Microchip:*

RESULT		INTERPRETATION
COCOA	**co/co**	2 copies of the cocoa variant.

COCOA TEST REPORT

Client/Owner/Agent Information:	*Case:*	**NCD151274**
MANDY PILGRIM	*Date Received:*	20-Apr-2021
	Report Issue Date:	28-Apr-2021
	Report ID:	8735-8238-0810-7124
	Verify report at www.vgl.ucdavis.edu/verify	
Name: **GREEN BOY- PY**		

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 Cocoa test results, please visit our website at:
www.vgl.ucdavis.edu/test/cocoa-dog

This test is specific for the autosomal recessive variant causing cocoa in French Bulldogs and is distinct from the other known variants resulting in a brown phenotype

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