UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

DOG COAT COLOR / NATURAL BOBTAIL TEST REPORT

Provided Information:	***Case:*** [redacted]
Name: **GOLD COUNTRY'S ARES**	***Date Received:*** 24-Aug-2020
Registration: **TS43811604**	***Report Issue Date:*** 02-Sep-2020
	Report ID: [redacted]
	Verify report at www.vgl.ucdavis.edu/verify

DOB: **08/29/2019** *Sex:* **Male** *Breed:* **Pug** *Color:* **Chocolate Fawn/Sable**

Call Name: **Ares**

Sire: GRINCH OVER THE POND	*Dam:* KELLY'S AMERICAN DIVA
Reg: TS38594401	*Reg:* TS38588602
Microchip:	*Microchip:*

	RESULT	INTERPRETATION
MC1R (E LOCUS)	**E/E**	2 copies of black
BROWN (B LOCUS)	**b/b**	2 copies of brown present - black pigment (if present) is diluted to brown, red/yellow dogs have brown noses and foot pads
DILUTE (D LOCUS)	**D/D**	No known dilution variants present.
DOMINANT BLACK (K LOCUS)	**N/N**	Dog does not have the dominant black mutation
AGOUTI (A LOCUS)	**a^y/a^t**	Dog has fawn and carries black-and-tan
MERLE		Not requested.
PIEBALD (S LOCUS)	**N/N**	Dog has no copies of piebald.
HARLEQUIN (GREAT DANE)		Not requested.
NATURAL BOBTAIL		Not requested.
DOBERMAN OCA	**N/N**	Normal - no copies of the OCA mutation.
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.

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Name: **GOLD COUNTRY'S ARES**	

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

UCDAVIS VETERINARY MEDICINE
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SUSCEPTIBILITY TO PUG DOG ENCEPHALITIS (PDE) TEST REPORT

Provided Information:	***Case:*** [redacted]
Name: **GOLD COUNTRY'S ARES**	***Date Received:*** 24-Aug-2020
Registration: **TS43811604**	***Report Issue Date:*** 02-Sep-2020
	Report ID: [redacted]
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Call Name: **Ares**

Sire: GRINCH OVER THE POND	*Dam:* KELLY'S AMERICAN DIVA
Reg: TS38594401	*Reg:* TS38588602
Microchip:	*Microchip:*

Susceptibility to Necrotizing Meningoencephalitis (NME) Result

N/N

Interpretation

N/N: No copies of the NME associated markers (homozygous for normal). These dogs have a low risk of developing NME.

N/S: One copy of the NME associated marker (heterozygous for susceptibility). These dogs have a low risk of developing NME.

S/S: Two copies of the NME associated marker. These dogs are 12.75 times more likely to develop NME in their lifetime.

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	Report Issue Date: 02-Sep-2020
	Report ID: [redacted]
	Verify report at www.vgl.ucdavis.edu/verify

Name: **GOLD COUNTRY'S ARES**

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For more detailed information on PDE test results, please visit our website at:
www.vgl.ucdavis.edu/services/PDE.php

This is not a diagnostic test for NME in Pug Dogs or for NME disease or risk in other breeds.

For terms and conditions of testing, please see www.vgl.ucdavis.edu/about/terms-and-conditions

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Report authorized by Dr. Rebecca Bellone, VGL Director

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

PUG PYRUVATE KINASE DEFICIENCY (PK DEF) REPORT

Provided Information:	***Case:*** [redacted]
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Registration: **TS43811604**	***Report Issue Date:*** 02-Sep-2020
	Report ID: [redacted]
	Verify report at www.vgl.ucdavis.edu/verify

DOB: **08/29/2019** *Sex:* **Male** *Breed:* **Pug** *Color:* **Chocolate Fawn/Sable**

Call Name: **Ares**

Sire: GRINCH OVER THE POND	*Dam:* KELLY'S AMERICAN DIVA
Reg: TS38594401	*Reg:* TS38588602
Microchip:	*Microchip:*

PUG PK DEFICIENCY RESULT

N/N

Interpretation

N/N:	No copies of the PKDef mutation; dog is normal.
N/K:	1 copy of the PKDef mutation; dog is a carrier and unaffected but has half the normal Pyruvate Kinase activity of N/N dogs.
K/K:	2 copies of the PKDef mutation; dog is affected.

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PUG PYRUVATE KINASE DEFICIENCY (PK DEF) REPORT

Client/Owner/Agent Information:	*Case:* [redacted]
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	Report Issue Date: 02-Sep-2020
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Name: **GOLD COUNTRY'S ARES**

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 PK Deficiency test results, please visit our website at:
www.vgl.ucdavis.edu/test/pkdef-dog

For terms and conditions of testing, please see www.vgl.ucdavis.edu/about/terms-and-conditions

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Report authorized by Dr. Rebecca Bellone, VGL Director

UCDAVIS VETERINARY MEDICINE
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PRIMARY LENS LUXATION (PLL) TEST REPORT

Provided Information:	***Case:*** [redacted]
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	Report ID: [redacted]
	Verify report at www.vgl.ucdavis.edu/verify

DOB: **08/29/2019** *Sex:* **Male** *Breed:* **Pug** *Color:* **Chocolate Fawn/Sable**

Call Name: **Ares**

Sire: GRINCH OVER THE POND	*Dam:* KELLY'S AMERICAN DIVA
Reg: TS38594401	*Reg:* TS38588602
Microchip:	*Microchip:*

Primary Lens Luxation (PLL) Result

N/N

Interpretation

N/N:	No copies of the PLL mutation; dog is normal.
N/PLL:	1 copy of the PLL mutation; dog is a carrier and at slight risk for developing PLL.
PLL/PLL:	2 copies of the PLL mutation; dog is affected.

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PRIMARY LENS LUXATION (PLL) TEST REPORT

Client/Owner/Agent Information:	*Case:* [redacted]
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	Report Issue Date: 02-Sep-2020
	Report ID: [redacted]
	Verify report at www.vgl.ucdavis.edu/verify

Name: **GOLD COUNTRY'S ARES**

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

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

DEGENERATIVE MYELOPATHY (DM) TEST REPORT

Provided Information:	***Case:*** [redacted]
Name: **GOLD COUNTRY'S ARES**	***Date Received:*** 24-Aug-2020
Registration: **TS43811604**	***Report Issue Date:*** 02-Sep-2020
	Report ID: [redacted]
	Verify report at www.vgl.ucdavis.edu/verify

DOB: **08/29/2019** *Sex:* **Male** *Breed:* **Pug** *Color:* **Chocolate Fawn/Sable**

Call Name: **Ares**

Sire: GRINCH OVER THE POND	*Dam:* KELLY'S AMERICAN DIVA
Reg: TS38594401	*Reg:* TS38588602
Microchip:	*Microchip:*

RESULT		INTERPRETATION
Degenerative Myelopathy (DM)	**N/N**	No copies of the DM mutation.

UCDAVIS VETERINARY MEDICINE
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DEGENERATIVE MYELOPATHY (DM) TEST REPORT

Client/Owner/Agent Information:	*Case:* [redacted]
[redacted]	*Date Received:* 24-Aug-2020
	Report Issue Date: 02-Sep-2020
	Report ID: [redacted]
	Verify report at www.vgl.ucdavis.edu/verify

Name: **GOLD COUNTRY'S ARES**

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 DM test results, please visit our website at:
www.vgl.ucdavis.edu/services/dog/DegenerativeMyelopathy.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

UCDAVIS VETERINARY MEDICINE
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COCOA TEST REPORT

Provided Information:	***Case:*** [redacted]
Name: **GOLD COUNTRY'S ARES**	***Date Received:*** 24-Aug-2020
Registration: **TS43811604**	***Report Issue Date:*** 02-Sep-2020
	Report ID: [redacted]
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DOB: **08/29/2019** *Sex:* **Male** *Breed:* **Pug** *Color:* **Chocolate Fawn/Sable**

Call Name: **Ares**

Sire: GRINCH OVER THE POND	*Dam:* KELLY'S AMERICAN DIVA
Reg: TS38594401	*Reg:* TS38588602
Microchip:	*Microchip:*

RESULT		INTERPRETATION
COCOA	**N/N**	No copies of the cocoa variant.

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

COCOA TEST REPORT

Client/Owner/Agent Information:	*Case:* [redacted]
[redacted]	*Date Received:* 24-Aug-2020
	Report Issue Date: 02-Sep-2020
	Report ID: [redacted]
	Verify report at www.vgl.ucdavis.edu/verify

Name: **GOLD COUNTRY'S ARES**

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

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