

Equine Genetic Testing Report



Submitted By
Independence Equine 3709 E Hwy 82 Gainesville, TX 76240

Subject Horse

Date Received: 6/27/2019

Horse Name: 2018 OBB x Cats Reflections	Lab Reference #: 00125811
Breed: Quarter Horse	Registration:
Phenotype: Red Roan	Birth: 2018
Sex: Stallion	

Sire
Sire Name:
Breed:
Registration:
Phenotype:

Dam
Dam Name:
Breed:
Registration:
Phenotype:

Coat Color and Pattern Testing

<input type="checkbox"/>	Tobiano		Not Tested
<input type="checkbox"/>	Frame Overo		Not Tested
<input type="checkbox"/>	Sabino 1		Not Tested
<input type="checkbox"/>	Splashed White 1		Not Tested
<input type="checkbox"/>	Splashed White 2		Not Tested
<input type="checkbox"/>	Splashed White 3		Not Tested
<input type="checkbox"/>	Appaloosa (LP)		Not Tested
<input type="checkbox"/>	PATN1		Not Tested
<input checked="" type="checkbox"/>	Red/Black Factor	ee	Homozygous Red. Horse carries two copies of the Red gene. Horse has a red base pigment.
<input checked="" type="checkbox"/>	Agouti	Aa	Heterozygous. Horse carries one copy of the Agouti gene.
<input type="checkbox"/>	Cream Dilution		Not Tested
<input type="checkbox"/>	Dun Dilution		Not Tested
<input type="checkbox"/>	Silver Dilution		Not Tested
<input type="checkbox"/>	Champagne		Not Tested
<input type="checkbox"/>	Pearl Dilution		Not Tested
<input type="checkbox"/>	Gray		Not Tested

Genetic Disorders

<input checked="" type="checkbox"/>	HYPP	n/n	Clear: Negative for the HYPP gene mutation.
<input checked="" type="checkbox"/>	HERDA	N/N	Clear: Negative for the HERDA gene mutation.
<input checked="" type="checkbox"/>	GBED	N/N	Clear: Negative for the GBED gene mutation.
<input checked="" type="checkbox"/>	MH	n/n	Clear: Negative for the MH gene mutation found in Quarter horses and related breeds.
<input checked="" type="checkbox"/>	IMM	N/N	Horse tested negative for the mutation associated with IMM.
<input checked="" type="checkbox"/>	PSSM 1	n/n	Clear: Negative for the PSSM Type 1 gene mutation.
<input type="checkbox"/>	FIS		Not Tested
<input type="checkbox"/>	JEB1		Not Tested
<input type="checkbox"/>	JEB2		Not Tested
<input type="checkbox"/>	CA		Not Tested
<input type="checkbox"/>	LFS		Not Tested
<input type="checkbox"/>	SCID		Not Tested
<input type="checkbox"/>	OAAM1		Not Tested
<input type="checkbox"/>	WFFS1		Not Tested

Additional Comments

None

Genetic Marker Results

Run Date: Not Tested

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AHT4	AHT5	ASB17	ASB2	ASB23	AME	CA425UK
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HMS3	HMS6	HMS7	HTG10	HTG4	LEX3	LEX33
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VHL20	UM011	HMS1	HMS2	HTG6	HTG7	



VETERINARY GENETICS LABORATORY
 SCHOOL OF VETERINARY MEDICINE
 ONE SHIELDS AVENUE
 DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211
 FAX: (530) 752-3556

HORSE COAT COLOR / PATTERN TEST RESULTS

Case: HR10456
Date Received: 05-Nov-2019
Print Date: 15-Nov-2019
Report ID: 4689-5305-8751-1184
 Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm

Horse: BOONS REFLECTION **Reg:** 5930147
DOB: 01/01/2018 **Sex:** Stallion **Breed:** Quarter Horse **Alt. ID:** QH-19-171

Sire: ONCE IN A BLU BOON **Reg:**
Dam: CATS REFLECTIONS **Reg:**

RED FACTOR	e/e	Only red factor detected. Basic color is red in the absence of modifying genes.	SPLASHED WHITE (SW1, SW3)	N/N	No copies of SW1 or SW3 detected.
AGOUTI	A/a	1 copy of agouti. If present, black pigment is restricted to the points.	SPLASHED WHITE (SW2, SW4)	N/N	No copies of SW2 or SW4 detected.
CREAM	N/N	No copies of Cream dilution detected.	TOBIANO	N/N	No copies of Tobiano detected.
PEARL	N/N	No copies of Pearl dilution detected.	LEOPARD	N/N	No copies of Leopard Complex detected.
SILVER	N/N	No copies of Silver dilution detected.	PATTERN-1	N/N	No copies of PATN1 detected.*
DUN	nd2/nd2	Horse is not Dun dilute. Primitive markings are absent.	BRINDLE 1		Not requested.
CHAMPAGNE	N/N	No copies of Champagne dilution detected.	TIGER EYE		Not requested.
LETHAL WHITE OVERO	N/N	No copies of lethal white overo detected.	MUSHROOM (SHETLAND PONY)		Not requested.
SABINO 1	N/N	No copies of Sabino 1 detected.	GRAY	Absent	Gray gene is absent. Horse will not turn gray.
DOMINANT WHITE (W5, W10, W20)	N/N	No copies of W5, W10 or W20 detected.	ROAN	Rn/Rn	2 copies of classic Roan detected.

*Pattern-1: In order for high levels of white spotting to be visible on horses that inherit PATN1, LP must also be present.

For more detailed information on Horse Coat Color results, please visit:
www.vgl.ucdavis.edu/services/coatcolorhorse.php