



Genetic Testing Report

Fiery Metallic Titan

Submitted By

Aspen Cok
Heart C Barrel Horses
[REDACTED]
USA

Owned By

Aspen Cok

Subject Horse

Horse Name: **Fiery Metallic Titan**
Breed: **Quarter Horse**
Phenotype: **Red Roan**
Sex: **Male**
Birth: **Mar 22, 2018**Lab Reference #: **853808**
Registration: **5950105**

Sire

Sire: Fire Water Flit
Breed: Quarter Horse
Phenotype: Palomino
American Quarter Horse Association: 1565825

Dam

Dam: Oh Darlin
Breed: Quarter Horse
Phenotype: Red Roan
American Quarter Horse Association: 5591751

Disorder Results (6 of 24)

GBED	N/N	Clear: Horse is negative for the GBED gene mutation.
HERDA	N/N	Clear: Horse is negative for the HERDA gene mutation.
HYPP	n/n	Clear: Horse is negative for the HYPP gene mutation.
IMM	N/N	Clear: Horse is negative for the mutation associated with IMM.
MH	n/n	Clear: Horse is negative for the MH gene mutation.
PSSM1	n/n	Clear: Horse is negative for the PSSM Type 1 gene mutation.

Color Results (8 of 24)

Agouti	A/a	Heterozygous: Horse carries one copy (Aa) of the Agouti gene and has a chance to pass it on to all offspring.
Champagne	n/n	Negative: Horse is negative for the Champagne Dilution.
Cream	n/n	Negative: Horse is negative the for the Cream Dilution.
Dun	nd2/nd2	Non-Dun
Gray	Absent	Horse is negative for the Gray mutation.
Pearl	n/n	Negative: Horse is negative for Pearl Dilution.
Red/Black Factor	e/e	Homozygous Red: Horse carries two copies of the Red gene and will have a red base coat.
Silver	n/n	Negative: Horse is negative for the Silver Dilution gene mutation.

Pattern Results (8 of 24)

LP	n/n	Negative: Horse is negative for LP gene and will not be affected by Congenital Stationary Night Blindness (CSNB).
LWO	n/n	Negative: Horse is negative for the Frame Overo (LWO) gene.
PATN1	n/n	Negative: Horse does not carry the PATN-1 gene.
Sb1	n/n	Negative: Horse is negative for the Sabino 1 gene.
SW1	n/n	Negative: Horse is negative for the Splashed White 1 (SW1) mutation.

Toll Free: 800.514.9672

Phone: 850.386.1145

Web: <https://localhost:8080/AnimalGenetics>

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Pattern Results Continued

SW2	n/n	Negative: Horse is negative for the Splashed White 2 (SW2) mutation.
SW3	n/n	Negative: Horse is negative for the Splashed White 3 (SW3) mutation.
Tobiano	n/n	Negative: Horse is negative for the Tobiano gene mutation.

Trait Results (2 of 24)

Speed1	C/C	Fast, short-distance sprinters
Speed2	Ins/Ins	Fast, short-distance sprinters