

Genetic Testing Report

Art of Touch Ma
Submitted By

Patrick Mareen

Subject Horse

 Horse Name: **Art of Touch Ma**

 Lab Reference #: **574983**

 Breed: **Paint Horse**

Registration:

Phenotype:

 Sex: **Male**

 Birth: **Jun, 2022**
Sire

Sire: Investment in Art

Breed: Paint Horse

Phenotype: bay tobiano

American Paint Horse Association: 01061915

Dam

Dam: Touch of Sparklin MA

Breed: Paint Horse

Phenotype: Grullo Tobiano

Unspecified Horse Registry: 1,037,137

Disorder Results (6 of 22)

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 22)

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	Heterozygous: Horse is Black based and carries a copy of the Red gene. Horse will appear black-based and can produce red-based horses.
Silver	n/n	Negative: Horse is negative for the Silver Dilution gene mutation.

Pattern Results (8 of 22)

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.
Sabino1	n/n	Negative: Horse is negative for the Sabino 1 gene.

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Pattern Results Continued

Splash White 1	n/n	Negative: Horse is negative for the Splashed White 1 (SW1) mutation.
Splash White 2	n/n	Negative: Horse is negative for the Splashed White 2 (SW2) mutation.
Splash White 3	n/n	Negative: Horse is negative for the Splashed White 3 (SW3) mutation.
Tobiano	n/T	Heterozygous: Horse has one copy of the Tobiano gene mutation will exhibit the Tobiano pattern in varying degrees. Horse has a chance to pass this gene on to any offspring.