



3382 Capital Circle NE
Tallahassee, FL 32308

Genetic Testing Report

007

Submitted By

Macy Borges

Subject Horse

Horse Name: **007**
Breed: **Quarter Horse**
Phenotype:
Sex: **Male**
Birth: **Jun 16, 2019**

Lab Reference #: **667142**
Registration: **6031283**

Sire

Sire: Gunner Dun It Again
Breed: Quarter Horse
Phenotype: Buckskin white face

Dam

Dam: Solidly Spirited
Breed: Quarter Horse
Phenotype: bay

Disorder Results (6 of 25)

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 25)

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	nd1/nd2	Non-Dun: Horse has one copy of the nd1 allele associated with primitive markings, and one copy of the nd2 negative allele.
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 Black: Horse carries two copies of the Black gene and will have a black-based coat.
Silver	n/n	Negative: Horse is negative for the Silver Dilution gene mutation.

Pattern Results (11 of 25)

W10	n/n	Horse is negative for the W10 allele.
W13	n/n	Horse is negative for the W13 Dominant White mutation.
W20	n/n	Horse is negative for the W20 Dominant White mutation.
LP	n/n	Negative: Horse is negative for LP gene and will not be affected by Congenital Stationary Night Blindness (CSNB).



Pattern Results Continued

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.
Splash White 1	n/SW1	Heterozygous: Horse has one copy of the Splashed White 1 (SW1) mutation and will exhibit the Splashed White pattern in varying degrees. Horse can pass this gene on to any offspring.
Splash White 2	n/SW2	Heterozygous: Horse has one copy of the Splashed White 2 (SW2) mutation and will exhibit the Splashed White pattern in varying degrees. Horse can pass this gene on to any offspring.
Splash White 3	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.

