

Submitted By

 SERGIO ELIA
 PuntaCi Ranch

Subject Horse

 Horse Name: **GOLDEN VINTAGE**
 Breed: **Quarter Horse**
 Phenotype: **PALOMINO**
 Sex: **Male**
 Birth: **Apr 4, 2021**

 Lab Reference #: **583668**
 Registration: **6073680**
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/IMM	At Risk: Horse has one copy of the mutation associated with Immune-Mediated Myositis and is susceptible to developing the disorder. Horse has a chance of passing on the gene to any offspring.
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	Non-Agouti: Horse is homozygous for recessive black (aa) and will pass a copy on to every offspring.
Champagne	n/n	Negative: Horse is negative for the Champagne Dilution.
Cream	n/Cr	Heterozygous: Horse carries one copy of the Cream Dilution gene and will appear as a single dilute coat. Horse has a chance to pass this gene on to any offspring.
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 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.
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.

Pattern Results Continued

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.