

Genetic Testing Report

Luna Gem '21

Submitted By

Jeremy Lockard
Dusty Road Horses
13751 N Avenue
Randalia, IA 52164
USA

Owned By

Jeremy Lockard

Subject Horse

Horse Name: **Luna Gem '21**Lab Reference #: **435811**Breed: **Paint Horse**

Phenotype:

Sex: **Female**Birth: **2021**

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)

Champagne	n/n	Negative: Horse is negative for the Champagne Dilution.
Dun	D/nd2	Dun: Horse has one copy of the Dun allele 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.
Silver	n/n	Negative: Horse is negative for the Silver Dilution gene mutation.
Agouti	A/a	Heterozygous: Horse carries one copy (Aa) of the Agouti gene and has a chance to pass it on to all offspring.
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.
Red/Black Factor	E/E	Homozygous Black: Horse carries two copies of the Black gene and will have a black-based coat.

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.
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.
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/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.