Animal Genetics

3382 Capital Circle NE
Tallahassee, FL 32308

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Genetic Testing Report

Elam Jua

Submitted By

Iva Jandová

Subject Horse

Horse Name: **Elam Jua**
Breed: **Appaloosa**
Phenotype: **dark bay or brown**
Sex: **Female**
Birth: **Apr 5, 2025**

Lab Reference #: **951777**
Registration: **699743**

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**	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/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**	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/LP**	Heterozygous: Horse has one copy of the LP gene and has a chance to pass it on to every offspring. Horse is a carrier of 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/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/n**	Negative: Horse is negative for the Tobiano gene mutation.