

One Page Diagnostics Report

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LabID: 032423_043



Horse: My Hot Valentine
Breed: American Quarter Horse
Age: N/A
Sex: Mare

Temperament: Curious

Gait: Non-"Gaited" DMRT3

Speed: Sprint

Owner: Patricia Armstrong
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Variant Summary

A/a, E/e, nd1/nd2

LWO: n/n GBED: n/n HERDA: n/n
 HYPP: n/n MH: n/n PSSM1: n/n

Performance Variants

Trait	Genotype	Notes
MSTN	Sprint	2 variants detected - Likely Affected
DMRT3	Non-"Gaited" DMRT3	No variant detected - Negative
DRD4	Curious	2 variants detected - Likely Affected

Coat Results

Trait	Genotype	Notes
Agouti (A)	A/a	1 variant detected - Likely Affected
Black (E)	E/e	1 variant detected - Black Based
non-Dun Primitive Markings (nd)	nd1/nd2	1 variant detected - Possibly Affected
Grey (G)	n/n	No variant detected - Negative
Brindle (BR1)	n/n	No variant detected - Negative
Champagne (CH)	n/n	No variant detected - Negative
Silver (Z)	n/n	No variant detected - Negative
Cream (CR)	n/n	No variant detected - Negative
Pearl (PRL)	n/n	No variant detected - Negative
Dun (D)	n/n	No variant detected - Negative
Frame/Lethal White Overo (LWO)	n/n	No variant detected - Negative
Leopard Complex Spotting (LP)	n/n	No variant detected - Negative
Pattern 1 (PATN1)	n/n	No variant detected - Negative
Sabino1 (SB1)	n/n	No variant detected - Negative
Tobiano (TO)	n/n	No variant detected - Negative
Splashed White (SW1)	n/n	No variant detected - Negative
Splashed White (SW2)	n/n	No variant detected - Negative
Splashed White (SW3)	n/n	No variant detected - Negative
Splashed White (SW4)	n/n	No variant detected - Negative
Dominant White (W)	n/n	No variant detected - Negative

Health Results

Trait	Genotype	Notes
Lethal White Overo (LWO)	n/n	No variant detected - Negative
Multiple Congenital Ocular Anomalies (MCOA)	n/n	No variant detected - Negative
Congenital Stationary Night Blindness (CSNB)	n/n	No variant detected - Negative
Foal Immunodeficiency Syndrome (FIS)	n/n	No variant detected - Negative
Severe Combined Immunodeficiency (SCID)	n/n	No variant detected - Negative
West Nile Virus Symptom Susceptibility Risk (WNVSR)	WNVSR/WNVSR	2 variants detected - Possibly Affected
Glycogen Branching Enzyme Deficiency (GBED)	n/n	No variant detected - Negative
Hyperkalemic Partial Paralysis (HYPP)	n/n	No variant detected - Negative
Malignant Hyperthermia (MH)	n/n	No variant detected - Negative
Myotonia (MYT)	n/n	No variant detected - Negative
Polysaccharide Storage Myopathy type 1 (PSSM1)	n/n	No variant detected - Negative
Cerebellar Abiotrophy (CA)	n/n	No variant detected - Negative
Lavender Foal Syndrome (LFS)	n/n	No variant detected - Negative
Androgen Insensitivity Syndrome (AIS)	n/n	No variant detected - Negative
Impaired Acrosomal Reaction - Subfertility Risk (IAR)	n/n, iar/iar	2 variants detected - Not Affected
Hereditary Equine Regional Dermal Asthenia (HERDA)	n/n	No variant detected - Negative
Junctional Epidermolysis Bullosa type 1 (JEB1)	n/n	No variant detected - Negative
Junctional Epidermolysis Bullosa type 2 (JEB2)	n/n	No variant detected - Negative
Incontinentia Pigmenti (IP)/Brindle IP	n/n	No variant detected - Negative
Lordosis		2 variants detected - Possibly Affected*