Animal Genetics

3382 Capital Circle NE
Tallahassee, FL 32308

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Genetic Testing Report

Gunnabebigtime

Submitted By

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Subject Horse

Horse Name: **Gunnabebigtime**
Breed: **Quarter Horse**
Phenotype: **Chestnut**
Sex: **Male**
Birth: **Jan 19, 2017**

Lab Reference #: **1001787**
Registration: **5844039**

Color Results (8 of 16)

Agouti	**A/A**	Homozygous Agouti: Horse carries two copies (AA) of the Agouti gene 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**	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 16)

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/n**	Negative: Horse is negative for the Tobiano gene mutation.