

3382 Capital Circle NE  
Tallahassee, FL 32308

## Genetic Testing Report

### Gotta Nifty Gun

Submitted By	Owned By
XCS Ranch  29855 US-377 Gordonville, TX 76245 USA	XCS Ranch  29855 US-377 Gordonville, TX 76245 USA

Subject Horse	
<b>Name:</b> Gotta Nifty Gun <b>Breed:</b> Quarter Horse <b>Phenotype:</b> <b>Sex:</b> Male <b>Birth:</b> --/--/----	<b>Lab Reference #:</b> 664441 <b>Sample Date:</b> 01/31/2023 <b>Research Date:</b> 01/31/2023 <b>American Quarter Horse Association:</b> 5315985

Disorder Results(1 of 17)		
IMM	<b>N/N</b>	Clear: Horse is negative for the mutation associated with IMM.
Color Results(8 of 17)		
Agouti	<b>A/A</b>	Homozygous Agouti: Horse carries two copies (AA) of the Agouti gene and will pass a copy on to every offspring.
Champagne	<b>n/n</b>	Negative: Horse is negative for the Champagne Dilution.
Cream	<b>n/n</b>	Negative: Horse is negative the for the Cream Dilution.
Dun	<b>D/nd2</b>	Dun: Horse has one copy of the Dun allele and one copy of the nd2 negative allele.
Gray	<b>Absent</b>	Horse is negative for the Gray mutation.
Pearl	<b>n/n</b>	Negative: Horse is negative for Pearl Dilution.
Red/Black Factor	<b>E/e</b>	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	<b>n/n</b>	Negative: Horse is negative for the Silver Dilution gene mutation.

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Pattern Results(8 of 17)		
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/n	Negative: Horse is negative for the Splashed White 1 (SW1) mutation.
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.
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.