



3382 Capital Circle NE
Tallahassee, FL 32308

Genetic Testing Report

Heidi 18 "Tilly"

Submitted By	Owned By
C-C Ranch	C-C Ranch
3543 Country Road 249 Courtland, AL 35618 USA	3543 Country Road 249 Courtland, AL 35618 USA

Subject Horse	Lab Reference #: 416667
Name: Heidi 18 "Tilly"	Sample Date: 05/14/2018
Breed: Quarter Horse	Research Date: 05/15/2018
Phenotype: Red Roan	
Sex: Female	
Birth: --/--/2018	

Disorder Results(6 of 24)		
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(7 of 24)		
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 Only	d/d	Negative for currently known markers associated with Dun Dilution.
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.

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Pattern Results(11 of 24)

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/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.
W10	n/n	Horse is negative for the W10 allele.
W13	n/n	Horse is negative for the W13 Dominant White mutation.
W20	n/W20	Horse carries one copy of the W20 Dominant White mutation.