

## Equine Genetic Testing Report



Submitted By
Terry & Deb Hochhalter Circle H Paints and Quarters P.O. Box 704 Linton, ND 58552

### Subject Horse

Date Received: **6/2/2018**

Horse Name: <b>DTC Butterscotch Dame</b>	Lab Reference #: <b>00110512</b>
Breed: <b>Paint Horse</b>	Registration: <b>757,628</b>
Phenotype: <b>Buckskin &amp; White Tobiano</b>	Birth: <b>2003</b>
Sex: <b>Mare</b>	

Sire
Sire Name:
Breed:
Registration:
Phenotype:

Dam
Dam Name:
Breed:
Registration:
Phenotype:

### Coat Color and Pattern Testing

<input checked="" type="checkbox"/>	Tobiano	<b>TT</b>	Homozygous. Horse carries two copies of the Tobiano gene. This horse will always produce Tobiano offspring.
<input checked="" type="checkbox"/>	Frame Overo	<b>nn</b>	Negative for Frame Overo (LWO).
<input checked="" type="checkbox"/>	Sabino 1	<b>nn</b>	Negative for the Sabino 1 gene.
<input checked="" type="checkbox"/>	Splashed White 1	<b>nn</b>	Negative for the Splashed White SW1 mutation.
<input checked="" type="checkbox"/>	Splashed White 2	<b>nn</b>	Negative for the Splashed White SW2 mutation.
<input checked="" type="checkbox"/>	Splashed White 3	<b>nn</b>	Negative for the Splashed White SW3 mutation.
<input checked="" type="checkbox"/>	Appaloosa (LP)	<b>lp/lp</b>	Tested negative for the main Appaloosa LP gene and is NOT affected by CSNB.
<input checked="" type="checkbox"/>	PATN1	<b>n/n</b>	Negative. Horse does not carry the PATN-1 gene mutation.
<input checked="" type="checkbox"/>	Red/Black Factor	<b>Ee</b>	Heterozygous. Horse is Black based but carries a recessive copy of the Red gene.
<input checked="" type="checkbox"/>	Agouti	<b>Aa</b>	Heterozygous. Horse carries one copy of the Agouti gene.
<input checked="" type="checkbox"/>	Cream Dilution	<b>nn</b>	Negative for Cream Dilution.
<input checked="" type="checkbox"/>	Dun Dilution	<b>dd</b>	Negative for currently known markers associated with Dun Dilution.
<input checked="" type="checkbox"/>	Silver Dilution	<b>nn</b>	Negative for Silver Dilution.
<input checked="" type="checkbox"/>	Champagne	<b>nn</b>	Negative for Champagne Dilution.
<input checked="" type="checkbox"/>	Pearl Dilution	<b>nn</b>	Negative for Pearl Dilution.
	Gray		<i>Not Tested</i>

### Genetic Disorders

<input checked="" type="checkbox"/>	HYPP	<b>n/n</b>	Clear: Negative for the HYPP gene mutation.
<input checked="" type="checkbox"/>	HERDA	<b>N/N</b>	Clear: Negative for the HERDA gene mutation.
<input checked="" type="checkbox"/>	GBED	<b>N/N</b>	Clear: Negative for the GBED gene mutation.
<input checked="" type="checkbox"/>	MH	<b>n/n</b>	Clear: Negative for the MH gene mutation found in Quarter horses and related breeds.
<input checked="" type="checkbox"/>	PSSM 1	<b>n/n</b>	Clear: Negative for the PSSM Type 1 gene mutation.
	FIS		<i>Not Tested</i>
	JEB1		<i>Not Tested</i>
	JEB2		<i>Not Tested</i>
	CA		<i>Not Tested</i>
	LFS		<i>Not Tested</i>
	SCID		<i>Not Tested</i>
	OAAM1		<i>Not Tested</i>
	HWSD		<i>Not Tested</i>
	WFFS1		<i>Not Tested</i>

### Additional Comments

*None*

### Genetic Marker Results

Run Date: *Not Tested*

-	-	-	-	-	-	-
AHT4	AHT5	ASB17	ASB2	ASB23	AME	CA425UK
-	-	-	-	-	-	-
HMS3	HMS6	HMS7	HTG10	HTG4	LEX3	LEX33
-	-	-	-	-	-	-
VHL20	UM011	HMS1	HMS2	HTG6	HTG7	