

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: **HH Chiefs Legacy Babe**
Breed: **Paint Horse**
Phenotype: **Black & White Tobiano**
Sex: **Mare**

Lab Reference #: **00110513**
Registration: **1,039,254**
Birth: **2014**

Sire

Sire Name:
Breed:
Registration:
Phenotype:

Dam

Dam Name:
Breed:
Registration:
Phenotype:

Coat Color and Pattern Testing

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

Genetic Disorders

X	HYPP	n/n	Clear: Negative for the HYPP gene mutation.
X	HERDA	N/N	Clear: Negative for the HERDA gene mutation.
X	GBED	N/N	Clear: Negative for the GBED gene mutation.
X	MH	n/n	Clear: Negative for the MH gene mutation found in Quarter horses and related breeds.
X	PSSM 1	n/n	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>

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	

Additional Comments

None