

Equine Genetic Testing Report



Submitted By

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Diaman H Stables
21888 R45 Hwy.
New Virginia, IA 50210

Subject Horse

Date Received: 5/2/2016

Horse Name: **Diaman H Ris Key Beau**
Breed: **Paint Horse**
Phenotype: **Black Tobiano**
Sex: **Mare**

Lab Reference #: **00080811**
Registration: **987,429**
Birth: **2006**

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.
X	PATN1	n/n	Negative: Horse does not carry the PATN-1 gene mutation.
	Red/Black Factor		Not Tested
	Agouti		Not Tested
	Cream Dilution		Not Tested
	Dun Dilution		Not Tested
	Silver Dilution		Not Tested
	Champagne		Not Tested
	Pearl Dilution		Not Tested
	Gray		Not Tested

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		Not Tested
	JEB1		Not Tested
	JEB2		Not Tested
	CA		Not Tested
	LFS		Not Tested
	SCID		Not Tested
	Hydrocephalus		Not Tested
	HWSD		Not Tested
	WFFS1		Not Tested

Additional Comments

None

Genetic Marker Results

Run Date: Not Tested

-	-	-	-	-	-	-
AHT4	AHT5	ASB17	ASB2	ASB5	AME	CA425UK
-	-	-	-	-	-	-
HMS3	HMS6	HMS7	HTG10	HTG4	LEX3	LEX33
-	-	-	-	-	-	-
VHL20	UM011	HMS1	HMS2	HTG6	HTG7	