

## Equine Genetic Testing Report

Submitted By **AG105660**

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La Villeneuve Zinec  
Berne, 56240  
FRANCE



### Subject Horse

Date Received: 12/1/2009

Horse Name: **Always Fair**  
Breed: **Paint Horse**  
Phenotype: **Black Tobiano**

Registration: **967,571**  
Sex:  
Birth: **2009**

### Sire

Sire Name: **Fair Bars Rocky**  
Breed: **Paint Horse**  
Registration: **329,909**  
Phenotype: **Black Tobiano**

### Dam

Dam Name: **TH Deltas Black Music**  
Breed: **Paint Horse**  
Registration: **603,601**  
Phenotype: **Black Solid**

### Coat Color and Pattern Testing

<input checked="" type="checkbox"/>	Tobiano	<b>nT</b>	Heterozygous. Horse carries one copy of the Tobiano gene.
<input checked="" type="checkbox"/>	Frame Overo	<b>nn</b>	Negative for Frame Overo (LWO).
	Sabino 1		Not Tested
	Splashed White 1		Not Tested
	Splashed White 2		Not Tested
	Splashed White 3		Not Tested
	Appaloosa (LP)		Not Tested

<input checked="" type="checkbox"/>	Red/Black Factor	<b>EE</b>	Homozygous for Black Factor. Horse carries two copies of the Black gene. Horse is Black based.
	Agouti		Not Tested

	Cream Dilution		Not Tested
	Silver Dilution		Not Tested
	Champagne		Not Tested
	Pearl Dilution		Not Tested

<input checked="" type="checkbox"/>	Gray	<b>gg</b>	Negative for the Gray gene.
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### Additional Comments

None

### 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"/>	PSSM 1	<b>n/n</b>	Clear: Negative for the PSSM Type 1 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.
	JEB		Not Tested
	CA		Not Tested
	LFS		Not Tested

### 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	

CA = Cerebellar Abiotrophy  
GBED = Glycogen branching enzyme deficiency  
HERDA = Hereditary equine regional dermal asthenia  
HYPP = Hyperkalemic Periodic Paralysis  
JEB1 = Junctional Epidermolysis Bullosa - Belgian Draft Horse  
JEB2 = Junctional Epidermolysis Bullosa - American Saddlebred  
LFS = Lavender Foal Syndrome  
LWO = Lethal White Overo  
MH = Malignant Hyperthermia  
PSSM1 = Polysaccharide Storage Myopathy - Type 1

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