

## 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: **Fair Valve**  
Breed: **Paint Horse**  
Phenotype: **Bay Tobiano**

Registration: **967,570**  
Sex:  
Birth: **2009**

### Sire

### Dam

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

Dam Name: **Peggy Chance**  
Breed: **Paint Horse**  
Registration: **443,801**  
Phenotype: **Bay Tobiano**

### 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).
	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.
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	Agouti		Not Tested
	Cream Dilution		Not Tested
	Silver Dilution		Not Tested
	Champagne		Not Tested
	Pearl Dilution		Not Tested

	Gray		Not Tested
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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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