

# Equine Genetic Testing Report

Submitted By **AG105846**  
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Double E Farm  
5 Rue de L'eglise  
Petit-Tenquin, 57660  
FRANCE



**Subject Horse** Date Received: 5/2/2013  
Horse Name: **Smartmysterys Lenagan** Registration: 1,018,109  
Breed: **Paint Horse** Sex: **Mare**  
Phenotype: **Sorrel** Birth: 2012

**Sire**  
Sire Name:  
Breed:  
Registration:  
Phenotype:

**Dam**  
Dam Name:  
Breed:  
Registration:  
Phenotype:

Coat Color and Pattern Testing	
Tobiano	Not Tested
Frame Overo	Not Tested
Sabino 1	Not Tested
Splashed White 1	Not Tested
Splashed White 2	Not Tested
Splashed White 3	Not Tested
Appaloosa (LP)	Not Tested
Red/Black Factor	Not Tested
Agouti	Not Tested
Cream Dilution	Not Tested
Silver Dilution	Not Tested
Champagne	Not Tested
Pearl Dilution	Not Tested
Gray	Not Tested

Genetic Disorders			
<b>X</b>	HYPP	n/n	Clear: Negative for the HYPP gene mutation.
<b>X</b>	HERDA	N/N	Clear: Negative for the HERDA gene mutation.
<b>X</b>	GBED	N/N	Clear: Negative for the GBED gene mutation.
<b>X</b>	PSSM 1	n/n	Clear: Negative for the PSSM Type 1 gene mutation.
<b>X</b>	MH	n/n	Clear: Negative for the MH gene mutation found in Quarter horses and related breeds.
	JEB		Not Tested
	CA		Not Tested
	LFS		Not Tested

**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		

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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