HERKELEY - DAVIS - TRVINE - LOS ANGELES - MERCED - RIVERSIDE - SAN DIRCO - SAN PRANCISCO

SANTA HARBARA . SANTA CRUZ

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HORSE COAT COLOR TEST RESULTS

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				Case:	DT11532	
				Date Received:	17-Feb-2005	
				Report Date:	01-Jul-2008	
				Report ID:	3550-2726-9234-6111	
Horse: BRISHIM DEL AVGIN			Reg:	GV00225F		
YOB: 04	Breed: XX	Sex: M	Alt. ID:			
Sire: THE BOSS Dam: THE PALOMINO MARE			Reg:			
			Reg:			
RED FACTOR	Both black and red factors detected. Either E or e transmitt			ted to offspring. Basic	color is black, bay or brown	
E/e	in the absence of other modifying genes.					
AGOUTI	Only recessive allele detected. Black pigment distributed uniformly. Basic color is black in the absence of other modifying genes.					
9/3						
CREAM DILUTION	No evidence for the Cream dilution altered sequence detected. Basic color is sorrel or chestnut, bay or black in					
NIN	the absence of	the absence of other modifying genes.				
PEARL DILUTION	No evidence o	No evidence of the altered sequence detected.				
NA						
SILVER DILUTION	One copy of the altered sequence detected. Black-based horses will be chocolate with flaxen or lightened and tail. Bay-based horses will have lightened black pigment on lower legs, mane and tail. No effect on chestnut color.					
N/Z						
LETHAL WHITE OVERO	Not requested.					
SABINO 1	Not requested.					
TOBIANO	Not requested.					
CHAMPAGNE	Not requested					
	Not requested.					

VGL From: Shayne Hughes

Horse Coat Color Results with Explanations

Red Factor

e/e - Only the red factor detected. Basic color is serrel or chesinal in the abscuce of other N/N - No evidence of the altered sequence detected.

E/e - Both black and red factors detected. Bither B or e transmitted to offspring. Basic color is black, bay or brown in the absence of other modifying genes.

E/E - No red factor detected. It cannot have red foals regardless of the color of mate. Basic color is black, bay or brown in the absence of other modifying genes.

Agouti

A/A - Black pigment distributed in points pattern. Basic color is bay or brown in the absence of other modifying genes.

A/a - Black pigment distributed in points pattern. Basic color is bay or brown in the absence of other modifying genes.

a/a - Only recessive allele detected. Black pigment distributed uniformly. Basic color is black in the absence of other modifying genes.

Cream

N/N - No evidence for the Cream dilution altered sequence detected. Busic color is sorrel or chestnat, buy or black in the absence of other modifying genes.

N/Cr - Heterozygous, dilute, one copy of Cream gene. Typical colors are palomino, buckskin and smoky black in the absence of other medifying genes.

Cr/Cr - Double dilute (two copies of Cream gene). Typical cotors are cremello, perlino and smoky cream in the absence of other modifying genes.

Pearl

N/N - No evidence of the altered sequence detected.

N/Pr] - One copy of the altered sequence detected. If Cream dilution is also present, a pseudo-double Cream dilute phenotype will result.

Prl/Prl - Two copies of the altered sequence detected. On a chestnut base color, a uniform apricot color of body hair, mane and tail will result.

Tobiano

N/N - No evidence of altered sequence detected. Horse is not Tebiano.

N/TO - One copy of altered sequence. Approximately 50% of the olfspring will inherit

TO/TO - Two copies of altered sequence. Horse is homozygous for Tobiano. All

Silver

N/Z - One copy of the altered sequence detected. Black-based horses will be chocolate with flaxen or lightened mane and tail. Bay-based horses will have lightened black pigment on lower legs, mane and tail. No effect on chesinut

Z/Z - Two copies of altered sequence detected. Black-based horses will be chocolate with flaren or lightened mane and tail. Bay-based horses will have lightened black pigment on lower legs, mane and tail. No effect on chestnut

Lethal White Overo

N/N - No evidence for the altered sequence detected.

N/O - One copy of the altered sequence detected. If bred to another N/O horse, there is a 25% chance of producing a lethal white overo for The N/O type has been detected in Paints (including breeding stock), Pintos, Thoroughbrods, Miniatures, Quarter Horses and Teamessee Walking Horses.

O/O - Only the altered sequence in the EONRB gene detected. This result has only been obtained with samples from lethal white overe feels.

Sabino 1

N/N - No evidence of altered sequence detected.

N/SB1 - One copy of the Sabino 1 gene detected. Horse typically may have 2 or more white legs, blaze, spots or roaning in the midsection and jagged margins around white areas.

SB1/SB1 - Two copies of the Sabine 1 gene detected. Complete or nearly complete white phenotype expected.

Champagne

N/N - No evidence of altered requence detected.

N/Ch - One copy of the altered sequence detected. Chestrut color (red) is diluted to gold, bay to tan with brown points and black to darker tan with brown Points.

Ch/Ch - Two copies of the altered sequence detected. All offspring are expected to be Champagne diluted.