

Equine Genetic Testing Report

Submitted By

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Subject Horse

Date Received: 4/19/2019

Horse Name: **Cody Dancin Payne** Lab Reference #: **00122163**
 Breed: **Paint Horse** Registration: **780,507**
 Phenotype: **Black Tobiano** Birth: **2004**
 Sex: **Stallion**

Sire

Sire Name: **RB Eternally Dancin**
 Breed: **Paint Horse**
 Registration: **486167**
 Phenotype: **Black**

Dam

Dam Name: **C Midnight Tiger**
 Breed: **Paint Horse**
 Registration: **630,705**
 Phenotype: **Black**

Coat Color and Pattern Testing

<input checked="" type="checkbox"/>	Tobiano	TT	Homozygous. Horse carries two copies of the Tobiano gene. This horse will always produce Tobiano offspring.
<input checked="" type="checkbox"/>	Frame Overo	nn	Negative for Frame Overo (LWO).
<input checked="" type="checkbox"/>	Sabino 1	nn	Negative for the Sabino 1 gene.
<input checked="" type="checkbox"/>	Splashed White 1	nn	Negative for the Splashed White SW1 mutation.
<input checked="" type="checkbox"/>	Splashed White 2	nn	Negative for the Splashed White SW2 mutation.
<input checked="" type="checkbox"/>	Splashed White 3	nn	Negative for the Splashed White SW3 mutation.
<input checked="" type="checkbox"/>	Appaloosa (LP)	lp/lp	Tested negative for the main Appaloosa LP gene and is NOT affected by CSNB.
<input checked="" type="checkbox"/>	PATN1	n/n	Negative: Horse does not carry the PATN-1 gene mutation.
<input checked="" type="checkbox"/>	Red/Black Factor	Ee	Heterozygous. Horse is Black based but carries a recessive copy of the Red gene.
<input checked="" type="checkbox"/>	Agouti	aa	Non-Agouti. If horse is black based (E), black pigment will be evenly distributed.
<input checked="" type="checkbox"/>	Cream Dilution	nn	Negative for Cream Dilution.
<input checked="" type="checkbox"/>	Dun Dilution	nd2/nd2	Horse is negative for Dun dilution and does not have primitive markings.
<input checked="" type="checkbox"/>	Silver Dilution	nn	Negative for Silver Dilution.
<input checked="" type="checkbox"/>	Champagne	nn	Negative for Champagne Dilution.
<input checked="" type="checkbox"/>	Pearl Dilution	nn	Negative for Pearl Dilution.
	Gray		<i>Not Tested</i>

Genetic Disorders

<input checked="" type="checkbox"/>	HYPP	n/n	Clear: Negative for the HYPP gene mutation.
<input checked="" type="checkbox"/>	HERDA	N/N	Clear: Negative for the HERDA gene mutation.
<input checked="" type="checkbox"/>	GBED	N/N	Clear: Negative for the GBED gene mutation.
<input checked="" type="checkbox"/>	MH	n/n	Clear: Negative for the MH gene mutation found in Quarter horses and related breeds.
<input checked="" type="checkbox"/>	IMM	N/N	Horse tested negative for the mutation associated with IMM.
<input checked="" type="checkbox"/>	PSSM 1	n/n	Clear: Negative for the PSSM Type 1 gene mutation.
	FIS		<i>Not Tested</i>
	JEB1		<i>Not Tested</i>
	JEB2		<i>Not Tested</i>
	CA		<i>Not Tested</i>
	LFS		<i>Not Tested</i>
	SCID		<i>Not Tested</i>
	OAMM1		<i>Not Tested</i>
	WFFS1		<i>Not Tested</i>

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	