

## Equine Genetic Testing Report



Submitted By
Jeremy P. Lockard Dusty Road Horses 15549 Pearl Road Randalia, IA 52164 United States

### Subject Horse

Date Received: 5/10/2021

Horse Name: <b>Ivy</b> Breed: Paint Horse Phenotype: Champagne Dun Tobiano Sex: Filly	Lab Reference #: <b>00152300</b> Registration: Birth: 2015
--	--

<b>Sire</b>
Sire Name: Blue Isle Blackburn Breed: Quarter Horse Registration: 5,049,604 Phenotype: Grulla

<b>Dam</b>
Dam Name: Champagne Bar B Breed: Paint Horse Registration: 960,528 Phenotype: Amber Cream Tobiano

### 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).
<input checked="" type="checkbox"/>	Sabino 1	<b>nn</b>	Negative for the Sabino 1 gene.
<input checked="" type="checkbox"/>	Splashed White 1	<b>nn</b>	Negative for the Splashed White SW1 mutation.
<input checked="" type="checkbox"/>	Splashed White 2	<b>nn</b>	Negative for the Splashed White SW2 mutation.
<input checked="" type="checkbox"/>	Splashed White 3	<b>nn</b>	Negative for the Splashed White SW3 mutation.
<input checked="" type="checkbox"/>	Appaloosa (LP)	<b>lp/lp</b>	Tested negative for the main Appaloosa LP gene and is NOT affected by CSNB.
<input checked="" type="checkbox"/>	PATN1	<b>n/n</b>	Negative: Horse does not carry the PATN-1 gene mutation.
<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.
<input checked="" type="checkbox"/>	Agouti	<b>aa</b>	Non-Agouti. If horse is black based E, black pigment will be evenly distributed.
<input checked="" type="checkbox"/>	Cream Dilution	<b>nn</b>	Negative for Cream Dilution.
<input checked="" type="checkbox"/>	Dun Dilution	<b>D/nd2</b>	1 copy of Dun and 1 copy of nd2. Horse will have Dun dilution and express primitive markings.
<input checked="" type="checkbox"/>	Silver Dilution	<b>nn</b>	Negative for Silver Dilution.
<input checked="" type="checkbox"/>	Champagne	<b>nCh</b>	Heterozygous. Horse carries one copy of the Champagne Dilution gene.
<input checked="" type="checkbox"/>	Pearl Dilution	<b>nn</b>	Negative for Pearl Dilution.
	Gray		Not Tested

### 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"/>	MH	<b>n/n</b>	Clear: Negative for the MH gene mutation found in Quarter horses and related breeds.
<input checked="" type="checkbox"/>	IMM	<b>N/N</b>	Horse tested negative for the mutation associated with IMM.
<input checked="" type="checkbox"/>	PSSM 1	<b>n/n</b>	Clear: Negative for the PSSM Type 1 gene mutation.
	FIS		Not Tested
	JEB1		Not Tested
	JEB2		Not Tested
	CA		Not Tested
	LFS		Not Tested
	SCID		Not Tested
	OAM1		Not Tested
	WFFS1		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	