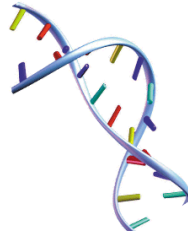


## Equine Genetic Testing Report



Submitted By
Ezra Aberle Draggin Ass Ranch 7315 7th St. NE Carrington, ND 58421

### Subject Horse

Date Received: 4/7/2016

Horse Name: <b>Gun Toten Rue B</b> Breed: Paint Horse Phenotype: Sorrel Sex: Mare	Lab Reference #: 00079637 Registration: 970,409 Birth: 2009
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Sire	Dam
Sire Name: Tommys Double Doc Breed: Paint Horse Registration: 203,111 Phenotype: Bay Frame Overo	Dam Name: Jeepers Sassy Doll Breed: Paint Horse Registration: 407,221 Phenotype: Sorrel Splash

### Coat Color and Pattern Testing

<input checked="" type="checkbox"/>	Tobiano	nn	Negative for Tobiano.
<input checked="" type="checkbox"/>	Frame Overo	nO	Heterozygous. Horse carries one copy of the LWO gene. Horse will usually exhibit the frame overo pattern.
<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.
<input checked="" type="checkbox"/>	PATN1	n/n	Negative: Horse does not carry the PATN-1 gene mutation.
	Red/Black Factor		Not Tested
<input checked="" type="checkbox"/>	Agouti	Aa	Heterozygous. Horse carries one copy of the Agouti gene.
	Cream Dilution		Not Tested
	Dun Dilution		Not Tested
	Silver Dilution		Not Tested
	Champagne		Not Tested
	Pearl Dilution		Not Tested
	Gray		Not Tested

### Additional Comments

nO: Horse is a carrier of the LWO gene. There is a 25% risk of a lethal foal if this horse is bred to another LWO carrier.

### 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"/>	PSSM 1	n/n	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
	Hydrocephalus		Not Tested
	HWSD		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	