



3382 Capital Circle NE
Tallahassee, FL 32308

Genetic Testing Report

Willow Haven Ash + Ember

Submitted By	Owned By
Shannon & Wendy Janssen PO Box 129 Chipman, AB T0B 0W0 Canada	Shannon & Wendy Janssen PO Box 129 Chipman, AB T0B 0W0 Canada
Subject Horse	
Name: Willow Haven Ash + Ember Breed: Gypsy Vanner Phenotype: Black Tobiano Sex: Gelding Birth: 05/07/2021	Lab Reference #: 482514 Sample Date: 12/15/2021 Research Date: 05/20/2022 Microchip: Gypsy Vanner Horse Society: GV08829

Sire	Dam
Sire: SD Empire Breed: Gypsy Cob Phenotype: Black Gypsy Vanner Horse Society: GV07399P-H	Dam: NF Woolly Mammoth's Gift of the Gab Breed: Gypsy Cob Phenotype: Black Tobiano Gypsy Vanner Horse Society: GV05496

Disorder Results(2 of 18)		
FIS	N/N	Clear: Horse is negative for the gene mutation associated with FIS.
PSSM1	n/n	Clear: Horse is negative for the PSSM Type 1 gene mutation.



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Color Results(7 of 18)

Agouti	a/a	Non-Agouti: Horse is homozygous for recessive black (aa) and will pass a copy on to every offspring.
Champagne	n/n	Negative: Horse is negative for the Champagne Dilution.
Cream	n/n	Negative: Horse is negative the for the Cream Dilution.
Dun	nd2/nd2	Non-Dun
Pearl	n/n	Negative: Horse is negative for Pearl Dilution.
Red/Black Factor	E/e	Heterozygous: Horse is Black based and carries a copy of the Red gene. Horse will appear black-based and can produce red-based horses.
Silver	n/n	Negative: Horse is negative for the Silver Dilution gene mutation.

Pattern Results(9 of 18)

LP	n/n	Negative: Horse is negative for LP gene and will not be affected by Congenital Stationary Night Blindness (CSNB).
LWO	n/n	Negative: Horse is negative for the Frame Overo (LWO) gene.
PATN1	n/n	Negative: Horse does not carry the PATN-1 gene.
Sabino1	n/n	Negative: Horse is negative for the Sabino 1 gene.
Splash White 1	n/n	Negative: Horse is negative for the Splashed White 1 (SW1) mutation.
Splash White 2	n/n	Negative: Horse is negative for the Splashed White 2 (SW2) mutation.
Splash White 3	n/n	Negative: Horse is negative for the Splashed White 3 (SW3) mutation.
Tobiano	n/T	Heterozygous: Horse has one copy of the Tobiano gene mutation will exhibit the Tobiano pattern in varying degrees. Horse has a chance to pass this gene on to any offspring.
W20	n/W20	Horse carries one copy of the W20 Dominant White mutation.