



3382 Capital Circle NE
Tallahassee, FL 32308

Genetic Testing Report

Tik Tock

Submitted By

Adria Smith

PO Box 250229
Plano, TX 75025
USA

Owned By

Adria Smith

PO Box 250229
Plano, TX 75025
USA

Subject Horse

Name: Tik Tock

Breed: Quarter Horse

Phenotype: Bay Roan

Sex: Male

Birth: --/--/----

Lab Reference #: 769659

Sample Date: 11/10/2023

Research Date: 10/31/2024

American Quarter Horse Association:
6051829

Disorder Results(6 of 16)

GBED	N/N	Clear: Horse is negative for the GBED gene mutation.
HERDA	N/N	Clear: Horse is negative for the HERDA gene mutation.
HYPP	n/n	Clear: Horse is negative for the HYPP gene mutation.
IMM	N/N	Clear: Horse is negative for the mutation associated with IMM.
MH	n/n	Clear: Horse is negative for the MH gene mutation.
PSSM1	n/n	Clear: Horse is negative for the PSSM Type 1 gene mutation.

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Color Results(8 of 16)

Agouti	A/a	Heterozygous: Horse carries one copy (Aa) of the Agouti gene and has a chance to pass it on to all 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	nd1/nd2	Non-Dun: Horse has one copy of the nd1 allele associated with primitive markings, and one copy of the nd2 negative allele.
Gray	Absent	Horse is negative for the Gray mutation.
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(2 of 16)

LWO	n/n	Negative: Horse is negative for the Frame Overo (LWO) gene.
W20	n/n	Horse is negative for the W20 Dominant White mutation.

MYOSIN-HEAVY CHAIN MYOPATHY (MYHM) TEST REPORT

Provided Information: Name: TIK TOCK Registration: 6051829		Case: NQ118031 Date Received: 16-Dec-2024 Report Issue Date: 19-Dec-2024 Report ID: 2947-6019-3362-8188 Verify report at vgl.ucdavis.edu/verify
DOB: 01/22/2020 Sex: Stallion Breed: Quarter Horse		
Sire: THE ROCK Reg: 5420308 Microchip:		Dam: WHATSCOOKNGOODLOOKIN Reg: 5095217 Microchip:

RESULT

INTERPRETATION

Myosin-Heavy Chain Myopathy (MYHM)	N/N
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Normal. No copies of the MYHM allele detected. Horse does not have increased susceptibility for immune mediated myositis or nonexertional rhabdomyolysis caused by the MYHM allele.

MYOSIN-HEAVY CHAIN MYOPATHY (MYHM) TEST REPORT

Client/Owner/Agent Information: ADRIA SMITH	Case: NQ118031 Date Received: 16-Dec-2024 Report Issue Date: 19-Dec-2024 Report ID: 2947-6019-3362-8188 Verify report at vgl.ucdavis.edu/verify
Name: TIK TOCK	

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Equine Disease Panel test results, please visit our website at:
vgl.ucdavis.edu/panel/quarter-horse-disease-panel

License Information

The GBED test is performed under a license agreement with the University of Minnesota.

For terms and conditions of testing, please see vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

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