UCDAVIS
VETERINARY MEDICINE
*Veterinary Genetics Laboratory*

# AMERICAN QUARTER HORSE GENETIC HEALTH PANEL TEST REPORT

| | |
|---|---|
| ***Client/Owner/Agent Information:*** | |
| **AMERICAN QUARTER HORSE ASSOCIATION** | ***Date Received:*** 10-Dec-2012 |
| ***Provided Information:*** | ***Report Issue Date:*** 16-Feb-2023 |
| *Name:* **METALLIC REBEL** | ***Report ID:*** 1748-2553-9375-3011 |
| *Registration:* **5506591** | ***Reissue of:*** 3268-5130-0980-1031 |

*DOB:* **01/01/2012** *Sex:* **Stallion** *Breed:* **Quarter Horse** *Alt. ID:* **6425890**

| | |
|---|---|
| *Sire:* METALLIC CAT | *Dam:* SWEET ABRA |
| *Reg:* 4702523 | *Reg:* 4402167 |
| *Microchip:* | *Microchip:* |

| | RESULT | INTERPRETATION |
|---|---|---|
| Glycogen Branching Enzyme Deficiency (GBED) | N/N | Normal. No copies of the GBED allele detected. |
| Hereditary Equine Regional Dermal Asthenia (HERDA) | N/HRD | Carrier. One copy of the HERDA allele detected. |
| Hyperkalemic Periodic Paralysis (HYPP) | N/N | Normal. No copies of the HYPP allele detected. |
| Malignant Hyperthermia (MH) | N/N | Normal. No copies of the MH allele detected. |
| Polysaccharide Storage Myopathy Type 1 (PSSM1) | N/N | Normal. No copies of the PSSM1 allele detected. |

## 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 American Quarter Horse Genetic Health Panel test results, please visit our website at: www.vgl.ucdavis.edu/panel/quarter-horse-disease-panel

## License Information

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

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17025
TESTING LABORATORY

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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Generated On: 2/2/2022

# Equine Genetic Testing Report

| Submitted By |
|---|
| Debbie Patterson<br>Brazos Valley Stallion Station LP<br>21351 N US Hwy 377<br>Stephenville, TX 76401 |

Date Received: 1/26/2022

**Subject Horse**

Horse Name: **Metallic Rebel**
Breed: Quarter Horse
Phenotype: Red Roan
Sex:

Lab Reference #: 00162860
Registration: 5506591
Birth: 2012

**Sire**

Sire Name: Metallic Cat
Breed: Quarter Horse
Registration:
Phenotype: Red Roan

**Dam**

Dam Name: Abrakadabracre
Breed: Quarter Horse
Registration:
Phenotype:

## Coat Color and Pattern Testing

| | | | |
|---|---|---|---|
| | Tobiano | | Not Tested |
| | Frame Overo | | Not Tested |
| | Sabino 1 | | Not Tested |
| | Splashed White 1 | | Not Tested |
| | Splashed White 2 | | Not Tested |
| | Splashed White 3 | | Not Tested |
| | Appaloosa (LP) | | Not Tested |
| | PATN1 | | Not Tested |
| | Red/Black Factor | | Not Tested |
| | Agouti | | Not Tested |
| | Cream Dilution | | Not Tested |
| | Dun Dilution | | Not Tested |
| | Silver Dilution | | Not Tested |
| | Champagne | | Not Tested |
| | Pearl Dilution | | Not Tested |
| | Gray | | Not Tested |
| | ---------- | ---- | |

## Genetic Disorders

| | | | |
|---|---|---|---|
| | HYPP | | Not Tested |
| | HERDA | | Not Tested |
| | GBED | | Not Tested |
| | MH | | Not Tested |
| X | IMM | N/N | Horse tested negative for the mutation associated with IMM. |
| | PSSM 1 | | Not Tested |
| | FIS | | Not Tested |
| | JEB1 | | Not Tested |
| | JEB2 | | Not Tested |
| | CA | | Not Tested |
| | LFS | | Not Tested |
| | SCID | | Not Tested |
| | OAAM1 | | 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 | |

## Additional Comments

None

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# EQUINE JUVENILE SPINOCEREBELLAR ATAXIA TEST REPORT

| *Provided Information:* | *Case:* |
|---|---|
| *Name:* **METALLIC REBEL** | *Date Received:* 08-Jan-2018 |
| *Registration:* **5506591** | *Report Issue Date:* 06-Aug-2024 |
| | *Report ID:* 5181-6735-1392-7131 |
| | Verify report at vgl.ucdavis.edu/verify |

*DOB:* **05/10/2012** *Sex:* **Stallion** *Breed:* **Quarter Horse**

| | |
|---|---|
| *Sire:* METALLIC CAT | *Dam:* SWEET ABRA |
| *Reg:* 4702523 | *Reg:* 4402167 |
| *Microchip:* | *Microchip:* |

## RESULT

| | |
|---|---|
| **Equine Juvenile Spinocerebellar Ataxia** | **N/N** |

## INTERPRETATION

Normal. No copies of the allele associated with equine juvenile spinocerebellar ataxia (EJSCA) detected.