

## EQUINE DISEASE PANEL TEST REPORT

<b>Provided Information:</b>  <b>Name:</b> SIR SHINING GUN <b>Registration:</b> 5992949	<b>Case:</b> NQ61046 <b>Date Received:</b> 08-Sep-2020 <b>Report Issue Date:</b> 11-Sep-2020 <b>Report ID:</b> 1533-6286-7075-1131  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>DOB:</b> 05/06/2019 <b>Sex:</b> Stallion <b>Breed:</b> Quarter Horse	

### RESULT

<b>Glycogen Branching Enzyme Deficiency (GBED)</b>	<b>N/N</b>
<b>Hereditary Equine Regional Dermal Asthenia (HERDA)</b>	<b>N/N</b>
<b>Hyperkalemic Periodic Paralysis (HYPP)</b>	<b>N/N</b>
<b>IMM and MYH1 Myopathy</b>	<b>N/N</b>
<b>Malignant Hyperthermia (MH)</b>	<b>N/N</b>
<b>Polysaccharide Storage Myopathy Type 1 (PSSM1)</b>	<b>N/N</b>

### INTERPRETATION

Normal - Does not possess the disease-causing GBED gene

Normal - horse does not have the HERDA gene

Normal - Does not possess the disease-causing HYPP gene

No copies of the MYHM mutation. Horse does not have increased susceptibility for IMM or nonexertional rhabdomyolysis.

Normal - horse does not have the MH gene

Normal - horse does not have the PSSM1 gene

## EQUINE DISEASE PANEL TEST REPORT

<b>Client/Owner/Agent Information:</b> LORENZO LOTTI PO BOX 361 WHITESBORO, TX 76273	<b>Case:</b> <b>NQ61046</b> <b>Date Received:</b> 08-Sep-2020 <b>Report Issue Date:</b> 11-Sep-2020 <b>Report ID:</b> 1533-6286-7075-1131  Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>
<b>Name:</b> <b>SIR SHINING GUN</b>	

### 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:  
[www.vgl.ucdavis.edu/services/horse/qhpanel.php](http://www.vgl.ucdavis.edu/services/horse/qhpanel.php)

### License Information

GBED testing performed under a license agreement with the University of Minnesota.  
HERDA testing performed under a license agreement with the University of California, Davis.  
PSSM1 testing performed under a license agreement with the American Quarter Horse Association.

For terms and conditions of testing, please see [www.vgl.ucdavis.edu/about/terms-and-conditions](http://www.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**