

<b>Client/Owner/Agent Information:</b> AMERICAN QUARTER HORSE ASSOCIATION		<b>Date Received:</b> 29-Jun-2020 <b>Report Issue Date:</b> 30-Sep-2021 <b>Report ID:</b> 5738-6065-7395-2013 <b>Reissue of:</b> 5581-7085-8924-6037
<b>Provided Information:</b> <b>Name:</b> SADDLING AT SUNRISE <b>Registration:</b> 5752527		
DOB: 04/25/2016 Sex: Stallion Breed: Quarter Horse Alt. ID: 6777372		
<b>Sire:</b> WR THIS CATS SMART <b>Reg:</b> 3837031 <b>Microchip:</b>	<b>Dam:</b> SUNSHINE INGREDIENT <b>Reg:</b> 4026229 <b>Microchip:</b>	

**RESULT**

**INTERPRETATION**

Glycogen Branching Enzyme Deficiency (GBED)	N/N	Normal - Does not possess the disease-causing GBED gene
Hereditary Equine Regional Dermal Asthenia (HERDA)	N/N	Normal - horse does not have the HERDA gene
Hyperkalemic Periodic Paralysis (HYPP)	N/N	Normal - Does not possess the disease-causing HYPP gene
Malignant Hyperthermia (MH)	N/N	Normal - horse does not have the MH gene
Polysaccharide Storage Myopathy Type 1 (PSSM1)	N/N	Normal - horse does not have the PSSM1 gene

**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.  
 PSSM1 testing performed under a license agreement with the American Quarter Horse Association.

**Additional Comments**

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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**MYOSIN-HEAVY CHAIN MYOPATHY (MYHM)  
 GENETIC TEST REPORT**

<i>Provided Information:</i>		<i>Case:</i>	<b>NQ81328</b>
<i>Name:</i>	<b>SADDLING AT SUNRISE</b>	<i>Date Received:</i>	02-May-2022
<i>Registration:</i>	<b>5752527</b>	<i>Report Issue Date:</i>	11-May-2022
		<i>Report ID:</i>	6239-7202-7383-2082
Verify report at <a href="http://www.vgl.ucdavis.edu/verify">www.vgl.ucdavis.edu/verify</a>			
<i>DOB:</i> <b>04/25/2016</b> <i>Sex:</i> <b>Stallion</b> <i>Breed:</i> <b>Quarter Horse</b> <i>Microchip:</i> <b>981020017511142</b>			
<i>Sire:</i>	WR THIS CATS SMART	<i>Dam:</i>	SUNSHINE INGREDIENT
<i>Reg:</i>		<i>Reg:</i>	
<i>Microchip:</i>		<i>Microchip:</i>	

**RESULT**

**INTERPRETATION**

<b>Myosin-Heavy Chain Myopathy (MYHM)</b>	<b>N/N</b>
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No copies of the MYHM mutation. Horse does not have increased susceptibility for IMM or nonexertional rhabdomyolysis.