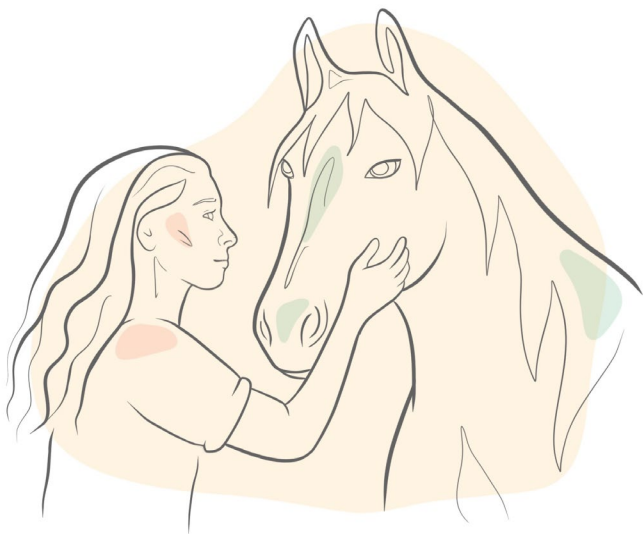


Muscle Integrity Myopathy

formerly "PSSM2"



Finally gain clarity regarding
genetic causes of muscle diseases

What is Muscle Integrity Myopathy?

Muscle Integrity Myopathy (formerly known as "PSSM2") is a form of Exertional Myopathy, in which the structure and/or function of the muscle is disrupted. It is caused by hereditary predisposition and various environmental factors (age, feeding, husbandry). Typical symptoms can include unexplained lameness, muscle stiffness, difficulties with gait changes/coordination, reluctance to move, muscle atrophy and/or difficulty building muscle. Almost any breed of horse can be affected.

Six genetic variants that can disrupt muscle structure and/or function have been identified in horses. These predispose a horse to developing symptoms.

Your horse...

...suffers from training intolerance?

...has high muscle tension or stiffness?

...shows pain-related changes in behaviour?

...has difficulty building or maintaining muscle?

Contact us now and test your horse for Muscle Integrity Myopathy



How does the test work?



Order the Muscle Integrity Myopathy test ("PSSM2") via our onlineshop:
www.generatio.de/en/shop/6-variant-panel



Send us 60-80 mane or tail hairs (with roots) with our collection kit to the following address:

Generatio GmbH
Blumenstr. 49
69115 Heidelberg
Germany



You will receive the result 10-15 business days after the arrival of the sample.



If the test result is positive, there are many changes you can make to help with symptom management. Talk to your veterinarian and equine nutritionist about feeding adjustments and see our website for tips for optimizing your horse's training and handling routines.

Order now: www.generatio.com

Symptoms

Common symptoms include:

- Pain-related changes in temperament and behaviour
- Difficulty with gait changes, coordination
- Lack of power from the hindquarters
- Difficulty building muscle (especially hindquarters and topline/shoulders)
- Shifting, unexplained lameness
- Muscle stiffness in the hindquarters or topline, often requiring a long warm-up time
- High muscle tension or muscle tremors/cramping, often aggravated by cold weather or stress
- Muscle loss in the hindquarters and topline, and/or focal muscle atrophy (appearing like kick marks)
- Ataxic gait/coordination problems
- Blood levels of Creatinine Kinase (CK) and Aspartate Aminotransferase (AST) are usually within normal limits, even with obvious symptoms of muscle disease



The advantages of our test

- ✓ Finally gain insight into your horse's symptoms
- ✓ No stressful invasive procedures or muscle biopsy
- ✓ Easy sample handling with tail or mane hair only
- ✓ Receive results within 10-15 days after sample receipt
- ✓ Confirm/exclude muscle integrity myopathy variants as the cause of symptoms
- ✓ Guide breeding decisions to reduce the frequency of variants in the population
- ✓ Use the submitted sample for any DNA test (other hereditary diseases, coat colors, traits, etc.) in the same order or in the future

Test your horse now and learn more about its genetic predispositions and potential!



About generatio

generatio is your partner for genetic analyses for horses, dogs and camels.

Your advantages:

- Highly qualified team consisting of scientists from the fields of veterinary medicine, genetics, biology, laboratory technology, and bioinformatics
- Experience from over 20 years as a laboratory for animal genetic analyses
- In-house laboratory with the most modern technologies and laboratory equipment
- "Made in Germany" - from research to customer service, our work is performed to the highest quality standards
- Exclusive European license for the Muscle Integrity Myopathy (formerly "PSSM2") test panel

Are you interested in our services?

Please contact us by email at support@generatio.com or by phone at [07071 565 448 50](tel:0707156544850).

We will be happy to send you more information or advise you on your genetic testing results.

Company Tübingen

(contact horse genetics)

Paul-Ehrlich-Str. 23
72076 Tübingen
Germany

support@generatio.com
+49 7071 565 448 50 (Phone)

Company Heidelberg

(contact dog genetics)

Blumenstraße 49
69115 Heidelberg
Germany

support@generatio.com
+49 6221 389 353 0 (Phone)
+49 6221 389 353 1 (Fax)