

GENETIC DISEASE RESULTS AND DESCRIPTIONS

AQHA offers a health panel test for six genetic diseases. Learn more about the six equine diseases it covers – HYPP, PSSM1, MH, GBED, HERDA, MYHM.

For more information on any of these diseases please visit:

<https://www.aqha.com/-/genetic-test-roundup>

GBED – Glycogen Branching Enzyme Deficiency.

Possible Results: N/N Normal - does not possess the disease-causing GBED gene.
N/G Carrier - Heterozygous (one normal and one GBED gene).
G/G Affected – horse has two copies of the GBED gene.

HERDA – Hereditary Equine Regional Dermal Asthenia.

Possible Results: N/N Normal - horse does not have the HERDA gene.
N/HRD Carrier - horse carries one copy of the HERDA gene.
HRD/HRD Affected - horse has two copies of the HERDA gene.

HYPP – Hyperkalemic Periodic Paralysis.

Possible Results: N/N Normal - does not possess the disease-causing HYPP gene.
N/H Hyperkalemic - Heterozygous (one normal and one HYPP gene).
H/H Affected - horse has two copies of the HYPP gene.

MH – Malignant Hyperthermia.

Possible Results: N/N Normal - horse does not have the MH gene.
N/MH Affected - horse has one copy of the MH gene.
MH/MH Affected - horse has two copies of the MH gene.

PSSM1 – Polysaccharide Storage Myopathy Type 1.

Possible Results: N/N Normal - horse does not have the PSSM1 gene.
N/PSSM1 Affected - horse has one copy of the PSSM1 gene.
PSSM1/PSSM1 Affected - horse has two copies of the PSSM1 gene.

MYHM – Immune-Mediated Myositis/Non-exertional Rhabdomyolysis.

Possible Results: N/N Normal - horse does not have the MYHM gene.
N/My Affected - horse has one copy of the MYHM gene.
My/My Affected - horse has two copies of the MYHM gene.

