

 Results Summary

## Variant summaries:

Genetic **Immune-mediated Myositis (MY): No Immune-mediated Myositis variants detected. Normal susceptibility note: for IMM or nonexertional rhabdomyolysis.**

Color: **A/a, E/e, nd2/nd2, SW1/n, W20/n**

Health: **gbed/n**

Speed: **Sprint Type**

Temperament: **Curious**

Gait: **Neg for DMRT3**

## Performance and Abilities:

**Curious**

Two Curiosity variants; horse may be more curious than vigilant.

**Non-"Gaited" DMRT3**

No DMRT3 variants; likely non-gaited (\*variants for novel "gait" abilities are currently in research).

**Sprint**

Two Sprint type variants; horse may accel at short distance, quick bursts of speed over endurance type activity.

## Health Variants:

**Glycogen Branching Enzyme Deficiency (GBED) - gbed/n**

gbed/n - One Glycogen Branching Enzyme Deficiency (GBED) variant detected, resulting in "Carrier" status. Horse has a 50% chance of passing to any offspring. Caution is recommended when breeding to avoid another carrier and thus a 25% chance of "Likely Affected" offspring. Read more about GBED by clicking the name of the variant above.

## Coat color:

**Bay**

Black (E) + Agouti (A): Bay (A, E) is a very common coat color in horses. Bay requires at least one black variant (E) and at least one Agouti/Bay variant (A). The Agouti restricts the black pigment to the outer points including the mane, tail, lower legs, and sometimes the tips of the ears. Bay horses have black skin under their coat, except beneath white markings. Horse with two Black (EE) and two Agouti (AA) have a 100% chance of passing Black and Agouti to any offspring. Horse with one Black (Ee) and one Agouti (Aa) have a 50% chance of passing Black or Red and a 50% chance of passing Agouti to any offspring.

**Splashed White 1 (SW1) - SW1/n**

SW1/n - One Splashed White 1 (SW1) variant detected.; may result in White markings on the face, legs and body with possible blue eye(s). Horse has 50% of passing to any offspring.

**Dominant White 20 (W20) - W20/n**

W20/n - One Dominant White 20 (W20) variant detected; may result in White markings. Horse has 50% chance of passing to any offspring.