

 Results Summary

Variant summaries:

Color: **a/a, E/e, D/nd1, W20/n**Health: **MY/n**Speed: **Sprint Type**Temperament: **Curious**Gait: **DMRT3 Carrier**APHA: **LWO n/n, GBED n/n, HERDA n/n, HYPP n/n, MH n/n, PSSM1 n/n**

Performance and Abilities:

Curious

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

DMRT3 "Gait Carrier"

One DMRT3 or "gaited" variant; may display a wide variation in locomotion, partial "gaiting" and possible difficulty with lead change, tempi changes, canter, or gait transitions.

Sprint

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

Health Variants:

Immune-mediated Myositis (MY) - MY/n

MY/n - One Immune-mediated Myositis (IMM) variant detected, resulting in "Carrier" and "Possibly Affected" status. Caution is recommended when breeding to avoid another carrier and thus a 25% chance of "Likely Affected" offspring. Read more about MY by clicking the name of the variant above.

Coat color:

Grullo

Black (E) + Dun (D). Grullo is a combination of Black (E) and Dun (D). Dun dilutes or lightens the black base and results in a lighter body color and 'primitive' markings which include leg barring and a dorsal stripe. Less common primitive markings include ear barring, spider-webbed forehead, a lower face mask, and light 'guard hairs' on the edges of the mane and tail.

Black (base)

Black (E) is the base coat color for this horse and is a relatively uncommon coat color on its own (usually it is found in combination with other colors or modifiers such as in Bay horses). A visible difference between a true black (Ee or EE), a dark chestnut (ee) or a bay (Aa or AA + E) can sometimes be seen in the fine hairs around the eyes and muzzle. On a true black these hairs typically remain black even if the horse is sun-bleached, while on other colors they will be lighter. Horse with one copy of the black variant (Ee) is "heterozygous black" and has a 50% chance of passing on black or red 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.

non-Dun Primitive Markings (nd) - nd1/nd2

nd1/nd2 - Non-Dun (nd) Primitive Markings may result in dorsal striping, leg barring and "shadows" on the face and shoulder. Still in research, it is suspected in some cases that nd1 may also cause mild coat color dilution, though not as extensive as the Dun (D) variant. Horse with one copy of nd1 variant will pass nd1 to 50% of any offspring.

Dun (D) - D/n

D/n - Dun (D) is a modifier resulting in lightening of the base coat color, often revealing characteristic Primitive Markings (dorsal stripe, leg barring, shadows on the shoulder and face). Horse has 50% chance of passing to any offspring.