

AMERICAN
QUARTER
HORSE
ASSOCIATION



Wednesday, September 27, 2023

STEPHANIE L PLOTE
N3752 COUNTY ROAD K
HAGER CITY WI 54014

Customer ID: 3331849
Transaction #: 42277549-2
Registration Key: 7563967

Dear STEPHANIE L PLOTE:

The results for the genetic test(s) that you ordered for HEZ THE ONLY IMPULSE, X0753784 are below.

HYPP	N/N
HERDA	N/N
GBED	N/N
MH	N/N
PSSM 1	N/N
MYHM	N/N

For more information regarding these genetic diseases, please refer to AQHA.com/genetics and AQHA rules REG109.3-REG109.7, which are available in the AQHA Official Handbook of Rules and Regulations at www.aqha.com.

If you have any questions, please contact AQHA at 806-376-4811 8 a.m. to 5 p.m. Central, Monday through Friday, or submit a Contact Us form on AQHA.com.

Sincerely,

AQHA Member Experience Team

HYP026



Results Summary

Variant summaries:

Genetic note: **Dominant White 32/Scandalous (W32): No Dominant White 32 variants detected.**
Dominant White 35/Holiday (W35): No Dominant White 35 variants detected.

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

Health: **hdc/n**

Speed: **Mid-distance Type**

Temperament: **Vigilant**

Gait: **Neg for DMRT3**

AQHA: **GBED n/n, HERDA n/n, HYPP n/n, MH n/n, PSSM1 n/n, MY n/n**

APHA: **LWO LWO/n, GBED n/n, HERDA n/n, HYPP n/n, MH n/n, PSSM1 n/n, MY n/n**

Performance and Abilities:

Vigilant

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

Non-"Gaited" DMRT3

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

Mid-Distance

Mid-distance type myostatin; horse may have multidistance capabilities including sprint and endurance.

Health Variants:

Hydrocephalus (HDC) - hdc/n

hdc/n - One Hydrocephalus (HDC) variant detected, resulting in "Carrier" status. Caution is recommended when breeding to avoid another carrier and thus a 25% chance of "Likely Affected" offspring.

Lethal White Overo (LWO) - LWO/n

LWO/n - One Frame/Lethal White Overo (LWO) variant detected, resulting in "Carrier" status and may exhibit White markings. Caution is recommended when breeding to avoid another carrier and thus a 25% chance of foal fatality.

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.

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.

Overo (LWO) - LWO/n

LWO/n - One Frame/Lethal White Overo (LWO) variant detected; may result in White markings and possibly blue eye(s). Horse has 50% chance of passing to any offspring.