



VETERINARY GENETICS LABORATORY
SCHOOL OF VETERINARY MEDICINE
ONE SHIELDS AVENUE
DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211
FAX: (530) 752-3556

HYPP REPORT

MARY ANN ROHRBAUGH 2020 TALL FIR DR DOVER, PA 17315		Case: NQ44219 Date Received: 26-Jul-2018 Print Date: 30-Jul-2018 Report ID: 1617-0926-5859-1193 Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm
Horse: VISTAR DOB: 05/09/2009 Sex: Mare Breed: Pony of the Americas		Reg: 50507
Sire: BORN A STAR Dam: IMPRESSA RUE		Reg: 49421 Reg: B45536

HYPP Test Result

N/N

Result Codes:

- H/H Hyperkalemic - Homozygous for HYPP (two copies of the HYPP gene).
 N/H Hyperkalemic - Heterozygous (one normal and one HYPP gene).
 N/N Normal - Does not possess the disease-causing HYPP gene.

The disease is inherited as an autosomal dominant trait, which means that a heterozygote (N/H) bred to a normal (N/N) will result in approximately half of the offspring being affected and half being normal. The homozygote (H/H) is usually severely affected with the disease.

The test indicates the presence or absence of a base pair substitution in the skeletal muscle sodium channel gene. The abnormal gene codes for a defective sodium channel protein that causes the disease Hyperkalemic Periodic Paralysis (HYPP).