UNIVERSITY OF CALIFORNIA, DAVIS

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HYPP REPORT

WENDY DIETRICH P.O. BOX 888 WHITESBORO, TX 76273	*Case:* **NQ45273** *Date Received:* 21-Sep-2018 *Print Date:* 25-Sep-2018 *Report ID:* 9803-1399-7700-4113 Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm

Horse: **JVF SWEETCRUISINCADDY** *Reg:* **1083162**

DOB: **03/09/2018** *Sex:* **Mare** *Breed:* **Paint Horse**

Sire: GOOD CRUISING MACHINE *Reg:* 1029073

Dam: JVF SWEET ICE TE *Reg:* 5612147

HYPP Test Result

N/H

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).