UNIVERSITY OF CALIFORNIA, DAVIS

BERKELEY • DAVIS • IRVINE • LOS ANGELES • MERCED • RIVERSIDE • SAN DIEGO • SAN FRANCISCO SANTA BARBARA • SANTA CRUZ

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

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

HYPP REPORT

KELLI BUTLER
9300 N LEWIS AVE
SPERRY, OK 74073

Case: **NQ40057**
Date Received: 04-Jan-2018
Print Date: 05-Jan-2018
Report ID: 1494-1920-6333-1057
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Horse: **17F PF JUST GRAND** *Reg:*
DOB: **02/01/2017** *Sex:* **Stallion** *Breed:* **Quarter Horse**

Sire: IEM THE ONE *Reg:*
Dam: PF JUST GRAND *Reg:*

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).