UNIVERSITY OF CALIFORNIA, DAVIS

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HYPP REPORT

PEGGY HARDEE
PO BOX 157
LORIS, SC 29569

Case: **HYP104666**
Date Received: 12-Mar-2014
Print Date: 13-Mar-2014
Report ID: 4765-2654-0369-1142
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Horse: **2014 AINT GONNA HAPPEN FILLY** *Reg:* **pending**
DOB: **02/21/2014** *Breed:* **QH** *Sex:* **M** *Alt. ID:*

Sire: GRAND SLAM TOUCHDOWN *Reg:* 4504694
Dam: AINT GONNA HAPPEN *Reg:* 4314776

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).