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## HYPP REPORT

BILL THIEL SADDLEBROOK APPALOOSAS N76 W36096 SADDLEBROOK LN OCONOMOWOC, WI 53066		<b>Case:</b> <b>HYP95819</b> <b>Date Received:</b> 16-Nov-2007 <b>Report Date:</b> 21-Nov-2007 <b>Report ID:</b> 2669-8331-8723-4000
<i>Horse:</i> <b>ZIP ME IMPRESSIVE</b> <i>YOB:</i> <b>95</b> <i>Breed:</i> <b>AP</b> <i>Sex:</i> <b>S</b>	<i>Reg:</i> <b>539156</b> <i>Alt. ID:</i>	
<i>Sire:</i> ZIP ME SPECIAL <i>Dam:</i> MS SUNDOWNPRINCES	<i>Reg:</i> 2918211 <i>Reg:</i> 444659	

## 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).