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## CEREBELLAR ABIOTROPHY TEST REPORT

ELIZABETH DIETER 5160 YOUNG ROAD BELLEVUE, MI 49021	<i>Case:</i> <b>CBA8388</b> <i>Date Received:</i> 07-Sep-2011 <i>Report Date:</i> 16-Sep-2011 <i>Report ID:</i> 4058-0399-8576-6064
<i>Name:</i> <b>HANANA</b> <i>YOB:</i> <b>01</b> <i>Breed:</i> <b>AR</b> <i>Sex:</i> <b>M</b> <i>Alt. ID:</i>	<i>Reg:</i> <b>586678</b>
<i>Sire:</i> ODYSSEUS HF <i>Dam:</i> MB JAMILLSA	<i>Reg:</i> 512703 <i>Reg:</i> 558291

## CEREBELLAR ABIOTROPHY RESULT

**N/N**

### Result Codes:

- N/N** Normal: horse does not possess the mutation associated with CA
- N/CA** Carrier: horse has 1 copy of the mutation associated with CA and is considered to be phenotypically normal
- CA/CA** \*Affected: horse has 2 copies of the mutation associated with CA and is considered to have the disease

Cerebellar Abiotrophy (CA) is a neurological genetic disease characterized by head tremor and lack of balance equilibrium that is found primarily in Arabian horses. Although rare, CA can occur in other breeds that have used Arabian horses as foundation stock. CA is inherited as a recessive trait and thus breedings between two carriers (N/CA) have a 25% chance of producing an affected foal. Breedings between carrier and normal (N/N) horses produce only normal foals, but 50% of these are expected to be carriers. While CA is not fatal, affected animals can be a danger to themselves and their handlers because of their symptoms.

This test is specific for a mutation that has been shown to be associated with CA based on research done at the Veterinary Genetics Laboratory, UC Davis.

\* The signs of CA are variable and can range from very mild to severe. The CA test does not predict the degree of severity. A small number of animals testing as CA/CA have been reported as showing no signs without thorough neurological evaluation.