



VETERINARY GENETICS LABORATORY  
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## CEREBELLAR ABIOTROPHY TEST REPORT

STEPHANIE WIND 15200 E GIRARD AVE SUITE 4200 AURORA, CO 80014	<b>Case:</b> <b>CBA1448</b> <b>Date Received:</b> 21-Jan-2010 <b>Report Date:</b> 26-Jan-2010 <b>Report ID:</b> 1848-2125-7243-7135
<i>Name:</i> <b>WS SHADOW OF VICTORY</b> <i>YOB:</i> <b>06</b> <i>Breed:</i> <b>AR</b> <i>Sex:</i> <b>S</b>	<i>Reg:</i> <b>623432</b> <i>Alt. ID:</i>
<i>Sire:</i> SH-DESERT VICTORY <i>Dam:</i> MIDNIGHT DESIREE	<i>Reg:</i> 475821 <i>Reg:</i> 241940

## CEREBELLAR ABIOTROPHY RESULT

**N/N**

### Result Codes:

- N/N** Normal: horse does not possess markers associated with CA
- N/CA** Carrier (1 copy of the CA gene): horse has markers associated with CA and is considered to be phenotypically normal and a carrier of the disease gene
- CA/CA** Affected (2 copies of the CA gene): horse has markers associated with CA and is considered to have the disease
- N/U** CA status cannot be determined. Atypical combination of DNA markers. Possibility of CA-carrier status cannot be excluded with confidence.

Cerebellar Abiotrophy (CA) is a neurological genetic disease found in Arabian horses that is characterized by head tremor and lack of balance equilibrium. 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 is not a direct genetic test for CA. The analysis is based on markers associated with this disease.