



VETERINARY GENETICS LABORATORY
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CEREBELLAR ABIOTROPHY TEST REPORT

STEPHANIE WIND 15200 E GIRARD AVE SUITE 4200 AURORA, CO 80014	<i>Case:</i> CBA1714 <i>Date Received:</i> 29-Jan-2010 <i>Report Date:</i> 03-Feb-2010 <i>Report ID:</i> 8971-0679-4946-0028
<i>Name:</i> SABA MASHALI <i>YOB:</i> 01 <i>Breed:</i> AR <i>Sex:</i> S	<i>Reg:</i> 607598 <i>Alt. ID:</i>
<i>Sire:</i> ABOU KHAISOON <i>Dam:</i> DS NAZIK	<i>Reg:</i> 522466 <i>Reg:</i> 487718

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.