



VETERINARY GENETICS LABORATORY  
SCHOOL OF VETERINARY MEDICINE  
ONE SHIELDS AVENUE  
DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211  
FAX: (530) 752-3556

## CEREBELLAR ABIOTROPHY TEST REPORT

KRISTINA LINDFORS G:A BODENVAGEN 180 SE 95433 GAMMELSTAD SWEDEN	<i>Case:</i> <b>CBA1377</b> <i>Date Received:</i> 15-Jan-2010 <i>Report Date:</i> 25-Jan-2010 <i>Report ID:</i> 5056-0400-0482-8171
<i>Name:</i> <b>ETIOPIA (SE)</b> <i>YOB:</i> <b>00</b> <i>Breed:</i> <b>AR</b> <i>Sex:</i> <b>M</b>	<i>Reg:</i> <b>FA8/01</b> <i>Microchip:</i> <b>No</b>
<i>Sire:</i> KARNAWAL (PL) <i>Dam:</i> ETIARA (SE)	<i>Reg:</i> FA338/85-85 <i>Reg:</i> FA337/85-94

## CEREBELLAR ABIOTROPHY RESULT

**N/N**

### Result Codes:

<b>N/N</b>	Normal: horse does not possess markers associated with CA
<b>N/CA</b>	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
<b>CA/CA</b>	Affected (2 copies of the CA gene): horse has markers associated with CA and is considered to have the disease
<b>N/U</b>	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.



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## CEREBELLAR ABIOTROPHY TEST REPORT

KRISTINA LINDFORS G:A BODENVAGEN 180 SE 95433 GAMMELSTAD SWEDEN	<i>Case:</i> <b>CBA1378</b> <i>Date Received:</i> 15-Jan-2010 <i>Report Date:</i> 25-Jan-2010 <i>Report ID:</i> 7181-0368-5271-7093
<i>Name:</i> <b>POLIFONIA (PL)</b> <i>YOB:</i> <b>99</b> <i>Breed:</i> <b>AR</b> <i>Sex:</i> <b>M</b>	<i>Reg:</i> <b>FA50/01</b> <i>Microchip:</i> <b>No</b>
<i>Sire:</i> PRIMO (SE) <i>Dam:</i> PEPESZA (PL)	<i>Reg:</i> FA175/79-83 <i>Reg:</i> PLXIII-2

## CEREBELLAR ABIOTROPHY RESULT

**N/N**

### Result Codes:

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

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## CEREBELLAR ABIOTROPHY TEST REPORT

KRISTINA LINDFORS G:A BODENVAGEN 180 SE 95433 GAMMELSTAD SWEDEN	<i>Case:</i> <b>CBA1379</b> <i>Date Received:</i> 15-Jan-2010 <i>Report Date:</i> 25-Jan-2010 <i>Report ID:</i> 0764-0803-7181-3082
<i>Name:</i> <b>MUSETTE (SE)</b> <i>YOB:</i> <b>87</b> <i>Breed:</i> <b>AR</b> <i>Sex:</i> <b>M</b>	<i>Reg:</i> <b>FA32/88</b> <i>Microchip:</i> <b>No</b>
<i>Sire:</i> ETNOGRAF (PL) <i>Dam:</i> MUSAILIMA (SE)	<i>Reg:</i> FA364/84-85 <i>Reg:</i> FA80/76-78

## CEREBELLAR ABIOTROPHY RESULT

**N/N**

### Result Codes:

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

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## CEREBELLAR ABIOTROPHY TEST REPORT

KRISTINA LINDFORS G:A BODENVAGEN 180 SE 95433 GAMMELSTAD SWEDEN	<i>Case:</i> <b>CBA1380</b> <i>Date Received:</i> 15-Jan-2010 <i>Report Date:</i> 25-Jan-2010 <i>Report ID:</i> 1421-6738-8632-7175
<i>Name:</i> <b>PRYZMATIC (SE)</b> <i>YOB:</i> <b>07</b> <i>Breed:</i> <b>AR</b> <i>Sex:</i> <b>M</b>	<i>Reg:</i> <b>FA396/07</b> <i>Microchip:</i> <b>977200004210811</b>
<i>Sire:</i> CE MAGNUM (BE) <i>Dam:</i> POLIFONIA (PL)	<i>Reg:</i> FA1/03 <i>Reg:</i> FA50/01

## 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.

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## CEREBELLAR ABIOTROPHY TEST REPORT

KRISTINA LINDFORS G:A BODENVAGEN 180 SE 95433 GAMMELSTAD SWEDEN	<i>Case:</i> <b>CBA1381</b> <i>Date Received:</i> 15-Jan-2010 <i>Report Date:</i> 25-Jan-2010 <i>Report ID:</i> 0164-3695-6007-9162
<i>Name:</i> <b>ETMAN (PL)</b> <i>YOB:</i> <b>86</b> <i>Breed:</i> <b>AR</b> <i>Sex:</i> <b>S</b>	<i>Reg:</i> <b>FA34/91-91</b> <i>Microchip:</i> <b>no</b>
<i>Sire:</i> GIL (PL) <i>Dam:</i> ETRURIA (PL)	<i>Reg:</i> FA213/93 <i>Reg:</i> PLXI

## CEREBELLAR ABIOTROPHY RESULT

**N/N**

### Result Codes:

<b>N/N</b>	Normal: horse does not possess markers associated with CA
<b>N/CA</b>	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
<b>CA/CA</b>	Affected (2 copies of the CA gene): horse has markers associated with CA and is considered to have the disease
<b>N/U</b>	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.