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CEREBELLAR ABIOTROPHY TEST REPORT

GAIL SIEVERS 1758 QUINN RD. COLLIERVILLE, TN 38017		Case: CBA4343 Date Received: 24-May-2010 Report Date: 27-May-2010 Report ID: 0812-7899-8550-2044
<i>Name:</i> 10F THEE LORELEI <i>YOB:</i> 10 <i>Breed:</i> AR <i>Sex:</i> S	<i>Reg:</i> <i>Microchip:</i> none	
<i>Sire:</i> ANSATA SINAN <i>Dam:</i> THEE LORELEI	<i>Reg:</i> 482308 <i>Reg:</i> 0519596	

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.

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