

## Test results - Known disorders in the breed

<b>Disorder</b>	<b>Type</b>	<b>Mode of Inheritance</b>	<b>Result</b>
Degenerative Myelopathy, (DM; SOD1A)	Neurological Disorders	Autosomal Recessive (Incomplete Penetrance)	Clear
Dental Hypomineralisation; mutation originally found in Border Collie	Other Disorders	Autosomal Recessive	Clear
Early Adult Onset Deafness (EAOD) in Border Collies (linked marker test)	Other Disorders	Autosomal Recessive (Incomplete Penetrance)	Clear
Goniodysgenesis and glaucoma; mutation originally found in Border Collie	Ocular Disorders	Autosomal Recessive	Clear
Intestinal Cobalamin Malabsorption or Imerslund-Gräsbeck Syndrome, (IGS); mutation originally found in Border Collie	Metabolic Disorders	Autosomal Recessive	Clear
Sensory Neuropathy; mutation originally found in Border Collie	Neurological Disorders	Autosomal Recessive	Clear
Trapped Neutrophil Syndrome, (TNS)	Blood Disorders	Autosomal Recessive	Clear

Nickname: Blaze

Country: United States

Breed: Border Collie

Testing date: 2020/6/3

Gender: Male

## Test results - New potential disorders in the breed

<b>Disorder</b>	<b>Type</b>	<b>Mode of Inheritance</b>	<b>Result</b>
Cystinuria Type II-A; mutation originally found in Australian Cattle Dog	Renal Disorders	Autosomal Dominant	Clear
Myotonia Congenita; mutation originally found in Australian Cattle Dog	Muscular Disorders	Autosomal Recessive	Clear

## Test results for pharmacogenetics

<b>Disorder</b>	<b>Mode of Inheritance</b>	<b>Result</b>
Multi-Drug Resistance 1, (MDR1)	Autosomal Dominant	Clear