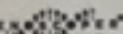


# Optimal Selection™

POWERED BY 

BR13 836

GCR Joy pending, Border Collie

Registered Name: GCR Joy pending

Owner: Suzy Foss

Call Name: Joy

Country: United States

Breed: Border Collie

Testing date: 2020/6/17

Gender: Female

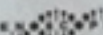
## Test results - Known disorders in the breed

Disorder	Type	Mode of Inheritance	Result
Degenerative Myelopathy, (DM; SCD1A)	Neurological Disorders	Autosomal Recessive (Incomplete Penetrance)	Clear
Dental Hypomineralization; mutation originally found in Border Collie	Other Disorders	Autosomal Recessive	Clear
Goniodysgenesis and glaucoma; mutation originally found in Border Collie	Ocular Disorders	Autosomal Recessive	Clear
Intestinal Cobalamin Malabsorption or Imlerslund-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

On behalf of Genoscopy Laboratories,

  
SIGNATURE

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BR13 836

GCR Joy pending, Border Collie

Registered Name: GCR Joy pending

Call Name: Joy

Breed: Border Collie

Gender: Female

Owner: Suzy Foss

Country: United States

Testing date: 2020/6/17

## Test results - New potential disorders in the breed

Disorder	Type	Mode of Inheritance	Result
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

Disorder	Mode of Inheritance	Result
Multi-Drug Resistance 1, (MDR1) or Ivermectin Sensitivity	Autosomal Dominant	Clear