Paw Print Genetics
A division of Genetic Veterinary Sciences, Inc.

4131 N. 48th St.
Lincoln, NE 68504
www.pawprintgenetics.com
(509) 483-5950

Laboratory Report

Laboratory #:	433973	**Call Name:**	Rebel
Order #:	197341	**Registered Name:**	Broken Arrow's No Rulz Apply
Ordered By:	Penny Allen	**Breed:**	Australian Shepherd
Ordered:	Jan. 5, 2024	**Sex:**	Female
Received:	Jan. 25, 2024	**DOB:**	Feb. 2021
Reported:	Feb. 21, 2024	**Registration #:**	-

Results:

Disease	Gene	Genotype	Interpretation
Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD)	*CFA12 FGF4*	WT/WT	Normal (Clear) - No CDDY or Increased IVDD Risk
Coagulation Factor VII Deficiency	*F7*	WT/WT	Normal (Clear)
Collie Eye Anomaly	*NHEJ1*	WT/WT	Normal (Clear)
Cone Degeneration	*CNGB3*	WT/WT	Normal (Clear)
Craniomandibular Osteopathy	*SLC37A2*	WT/WT	Normal (Clear)
Degenerative Myelopathy (Common Variant)	*SOD1*	WT/WT	Normal (Clear)
Exercise-Induced Collapse	*DNM1*	WT/WT	Normal (Clear)
Hereditary Ataxia (Australian Shepherd Type)	*PNPLA8*	WT/WT	Normal (Clear)
Hereditary Cataracts (Australian Shepherd Type)	*HSF4*	WT/WT	Normal (Clear)
Hyperuricosuria	*SLC2A9*	WT/WT	Normal (Clear)
Intestinal Cobalamin Malabsorption (Australian Shepherd Type)	*AMN*	WT/WT	Normal (Clear)
Intestinal Cobalamin Malabsorption (Border Collie Type)	*CUBN*	WT/WT	Normal (Clear)
Junctional Epidermolysis Bullosa (Australian Shepherd Type)	*LAMB3*	WT/WT	Normal (Clear)
Multidrug Resistance 1	*ABCB1*	WT/WT	Normal (Clear)
Multifocal Retinopathy 1	*BEST1*	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 5 (Herding Dog Type)	*CLN5*	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 6	*CLN6*	WT/WT	Normal (Clear)
Neuronal Ceroid Lipofuscinosis 8 (Australian Shepherd Type)	*CLN8*	WT/WT	Normal (Clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	*PRCD*	WT/WT	Normal (Clear)
Von Willebrand Disease I	*VWF*	WT/WT	Normal (Clear)

WT, wild type (normal); M, mutant; Y, Y chromosome (male)

Interpretation:

Molecular genetic analysis was performed for 20 specific mutations reported to be associated with disease in dogs. We identified two normal copies of the DNA sequences in 20 mutations tested. Thus, this dog is not at an increased risk for the diseases associated with these 20 mutations.

Recommendations:

No mutations were identified. Thus, this dog is not at an increased risk for the diseases caused by or associated with the mutations tested. Because this dog is "clear" of these mutations, this dog will only pass the normal genes on to its offspring. Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. Paw Print Genetics® has genetic counseling available to you at no additional charge to answer any questions about these test results, their implications and potential outcomes in breeding this dog.