



Sociedad Rural Argentina

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CEA/CH DNA TEST REPORT

OWNER NAME: Adriana Suarez	ID TEST: N0310
OWNER ADDRESS: 2nd Street, 163	TEST DATE: 02/26/2019
REGISTERED NAME: CHILI	REG #: ABC-443152
BREED: BORDER COLLIE	ID #: 981098106396469
SEX: FEMALE	DATE OF BIRTH: 02/10/2017

CEA/CH TEST RESULT

N/N

Test Result Code:

P/P: Affected. Both *NHEJ1* gene copies showed the mutation related to CEA/CH. The dog will transmit this mutation to all pups

N/P: Carrier of one mutated copy of *NHEJ1* gene. The mutation may be transmitted to some pups.

N/N: Normal/Clear for the mutation. Pups will not receive the mutation from this dog.

Important: This test is extensive for: Australian Shepherd, Bearded Collie, Border Collie, Boykin Spaniel, English Shepherd, Farm Collie, Hokkaido dog, Lancashire Heeler, Miniature American Shepherd, Nova Scotia Duck Tolling Retriever, Rough Collie, Shetland Sheepdog, Silken Windhound, Smooth Collie and Whippet Longhair

This test detects the 7799-bp deletion in intron 4 of *NEHJ1* gene described for Parler *et al.* (Genome Res 17:1562-71, 2007)

Identity Markers

Marker	Genotype	Marker	Genotype
VGL3008	14/16	VGL1165	26/30
VGL0760	14/23.2	VGL3112	13/
VGL3438	14/18	VGL1063	9/15

Reported allele sizes have been standardized according to the regulations of the Forensic Unit of Veterinary Genetics Laboratory UC Davis.


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