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DNA Testing: Owner/Patient Report 7/13/2018

Submitter Information

Owner's Name L.M Marleen Endeman

Patient Information

Official Name Bulls of Crown Iron the Irresistible
Call Name Iron DOB 4/22/2017 (1 Years 2 Months)
Breed French Bulldog Sex Male (Intact)
Microchip # 939000010862987

Testing Information

Submission ID 22355
Testing Date 7/13/2018 Processed By Dr. Paula Henthorn
Test Cystinuria-Associated Marker (Type 3)-DNA [Cheek brushes/swabs]

Result Information

Genotype 1-2 (Heterozygous)
Phenotype See Interpretation
Interpretation 1-2 (Heterozygous Carrier) dogs have one copy of the normal markers and ONE COPY of the markers associated with cystine stone formation in your dog's breed. Urine nitroprusside screening on intact males, starting between one and two years of age, should be performed, since many 1-2 intact male dogs have elevated cystine levels (nitroprusside test positive, NP+), and several have formed cystine stones. Therefore an intact male dog with this 1-2 result and an NP+ result is at intermediate risk for developing cystine stones. Castration is an option for lowering urine cystine levels in 1-2 dogs, thus reducing the risk for cystine stone formation. Both males and females with the 1-2 result can pass on the high-risk marker allele (2) to their offspring.

Sincerely,

Paula Henthorn, PhD
Professor of Medical Genetics

Michael Raducha, BS
Research Specialist