From: genetest@optigen.com
To: erika@pantheonacres.com;
Subject: Bruce DNA Test Report May 21, 2008
Date: Thursday, May 22, 2008 10:01:02 AM

DNA Test Report May 21, 2008

Owner's Name and Address:
Erika T Wepner & Brandon L Buzzell

2055 Crossing Lane
Naperville, Illinois 60540
USA

Registered Name: Pegasus Country's Scottish King
Registration #: WS08415809
Tattoo/Chip #: 084845635
Call Name: Bruce

Breed: Old English Mastiff
Date of Birth: March 27, 2004
Gender: Male

Optigen Accession #: 08-5021

Test Performed: CMR1 test

Sample Type: Blood

Test Results: Genotype of your dog is Normal/Clear.

Risk for developing CMR : This dog will never develop Canine Multifocal Retinopathy (CMR). Note that the primary symptom of CMR is retinal folding and there are a variety of causes of retinal folds in dogs. Some but not all retinal folds are due to hereditary factors. If your dog has retinal folds but is Normal for CMR, you should discuss the significance of this with your veterinary ophthalmologist.

Significance for breeding: CMR in your breed is believed to be an autosomal recessive disease, meaning that a dog must inherit two copies of the diseased gene in order to be clinically affected. With this type of inheritance, a Normal/ Clear dog will never produce an affected offspring, even if it is mated to a CMR-affected dog. Note that other inheritance patterns for a similar disease are known in humans and might be found in dogs. Please read more about this on

our website at www.optigen.com.

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