KELLY COOKE

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Friday, January 24, 2014 9:58 AM

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Cc: Subject:

MDR1 Genotyping Results for Out West Juno Crazy



MDR1 GENOTYPING RESULTS

1/24/2014 8:58:15 AM MDR1 - 38925

Kelly Cooke Three Forks, MT

Submission Type: Brush

Dog Name:

Out West Juno Crazy

Dog Breed:

Australian Shepherd

Test Result:

Normal/Normal

Explanation of test results

Normal/Normal

These dogs do not carry the mutation, and will not pass on the mutation to their offspring. These dogs would not be expected to experience unexpected adverse drug reactions to normal doses of ivermectin, loperamide (Imodium®), and some antic ancer drugs.

Mutant/Mutant

These dogs carry the mutation and can not pass on a normal gene to their offspring. These dogs would be expected to experience toxicity after normal doses of loperamide (Imodium®), some anticancer drugs, and high doses of