

3382 Capital Circle NE  
Tallahassee, FL 32308

## Genetic Testing Report

Lilly

Submitted By	Owned By
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Subject Dog	
<b>Name:</b> Lilly <b>Breed:</b> Australian Shepherd <b>Phenotype:</b> Red Merle <b>Sex:</b> Female <b>Birth:</b> 03/23/2025	<b>Lab Reference #:</b> 963693 <b>Sample Date:</b> 02/17/2026 <b>Research Date:</b> 02/17/2026 <b>Microchip:</b> 900255002060733 <b>American Kennel Club:</b> DN81847901

Disorder Results(8 of 18)		
CD	n/n	Clear: Dog is negative for the mutation associated with Cone Degeneration.
CEA	n/n	Negative: Dog is negative for the mutation associated with Collie Eye Anomaly.
CMR1	n/n	Clear: Dog is negative for the mutation associated with CMR1.
DM	n/n	Clear: Dog is negative for mutation associated with Degenerative Myelopathy.
HC	n/n	Clear: Dog is negative for the HSF4-HC gene mutation associated with bilateral posterior cataracts.
HUU	n/n	Clear: Dog is negative for the mutation associated with Hyperuricosuria.
MDR1	n/n	Clear: Dog is negative for the mutation associated with MDR1.
PRA-prcd	n/n	Negative: Dog is negative for the mutation associated with prcd-PRA.

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### Color Results(5 of 18)

A-Locus	<b>at/a</b>	Dog has tan points and carries recessive black.
B-Locus	<b>b/b</b>	Dog has two copies of the brown/chocolate gene.
D-Locus	<b>D/D</b>	Negative: Dog is negative for the mutation associated with a diluted coat color.
E-Locus (E, EM, eA, eW, e)	<b>E/EM</b>	Dog is negative for cream/yellow and ancient red, and has one copy of mask.
K-Locus	<b>n/n</b>	Dog is negative for the KB allele, and the coat coloration will be based on the agouti genotype.

### Pattern Results(1 of 18)

S-Locus	<b>n/S</b>	Heterozygous: Dog has one copy of S-Locus. Results vary according to breed, with some limited white spotting in some breeds.
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### Trait Results(4 of 18)

Curl 1&2	<b>n/n</b>	The dog is negative for the hair curl allele. The dog will have non-curly hair, and will always pass on the allele responsible for non-curly hair to any offspring
Furnishings	<b>n/n</b>	Non-Furnished: Dog is negative for the furnishings mutation.
Hair Length (1-5)	<b>l<sup>1,2</sup>/l<sup>1</sup></b>	
Shedding	<b>n/SD</b>	Dog carries one copy of the shedding allele. The dog will have an average propensity towards shedding.