

From: **Blake Ballif** bballif@pawprintgenetics.com  
Subject: Your CHC Coat Color and Trait Genotypes  
Date: October 1, 2019 at 12:43 PM  
To: phkennel@aol.com

BB

Hi Nicholas,

Below are the coat color and trait genotypes for the dog(s) you requested. Please keep in mind that for the A locus, although the Canine HealthCheck includes the Ay, at and a alleles, it does not include the Aw allele. If you need complete A locus genotypes, you will need to order those through Paw Print Genetics and we can likely use the same DNA that we used for your Canine HealthCheck.

Best regards,  
Blake

#### CHC-21332 Sue

Trait/Color	Interpreted Genotypes	Interpretation
a locus (Agouti)	atat	Tricolor, black and tan, tan points
b locus (Brown)	BB	Black
Cu locus (Curly hair)	CuCu	Straight
D locus (Dilute)	DD	Not Dilute
E locus (Yellow/red)	ee	Yellow/Red
E <sup>m</sup> locus (Melanistic mask)	NN	Has No Mask on the Muzzle
K locus (Dominant black)	KBKB	No agouti expression allowed
L locus (Long hair)	ShSh	Short
T locus (Natural bobtail)	tt	Normal

#### CHC-21325 Flame

Trait/Color	Interpreted Genotypes	Interpretation
a locus (Agouti)	atat	Tricolor, black and tan, tan points
b locus (Brown)	BB	Black
Cu locus (Curly hair)	CuCu	Straight
D locus (Dilute)	DD	Not Dilute
E locus (Yellow/red)	ee	Yellow/Red
E <sup>m</sup> locus (Melanistic mask)	NN	Has No Mask on the Muzzle
K locus (Dominant black)	KBKB	No agouti expression allowed
L locus (Long hair)	ShSh	Short
T locus (Natural bobtail)	tt	Normal

#### CHC-21324 Knight

Trait/Color	Interpreted Genotype	Interpretation
a locus (Agouti)	atat	Tricolor, black and tan, tan points
b <sup>s</sup> locus (Brown)	Bb	Black (carries brown)
Cu locus (Curly hair)	CuCu	Straight
D locus (Dilute)	DD	Not Dilute
E locus (Yellow/red)	Ee	Black (carries yellow/red)
E <sup>m</sup> locus (Melanistic mask)	NN	Has No Mask on the Muzzle
K locus (Dominant black)	KBKB	No agouti expression allowed
L locus (Long hair)	ShSh	Short
T locus (Natural bobtail)	tt	Normal

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