

## Dog Information

**Above Pars There's No Going Back  
(Bellamy)**

NAME

**Bulldog**

BREED ANCESTRY

n/a

REGISTRATION

**Male**

SEX

**January 18th, 2021**

DATE OF BIRTH

n/a

MICROCHIP

**Danielle Weakley**

OWNER NAME

**Canine Genetic Health Screen**

TEST

**March 4th, 2021**

TEST DATE

## BREED HEALTH TESTS

DISEASE	GENE	GENOTYPE	RESULT	TESTING RECOMMENDED BY
Canine Multifocal Retinopathy, cmr1	BEST1/VMD2 (Exon 2)	CT	1 Variant	
Degenerative Myelopathy, DM	SOD1(A)	GG	Clear	
Hyperuricosuria and Hyperuricemia or Urolithiasis, HUU	SLC2A9 (Exon 5)	GG	Clear	

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## INBREEDING AND DIVERSITY

Genetic Diversity	RESULT	GENETIC RESULT
Coefficient Of Inbreeding		27%
MHC Class II - DLA DRB1		High Diversity
MHC Class II - DLA DQA1 and DQB1		High Diversity

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## TRAIT TESTS (1/2)

Coat Color	RESULT	GENETIC RESULT
E Locus (MC1R)	Can have a melanistic mask	E <sup>m</sup> E <sup>m</sup>
K Locus (CBD103)	More likely to have a mostly solid black or brown coat	K <sup>B</sup> K <sup>γ</sup>
Intensity Loci LINKAGE	No impact on coat pattern	Intermediate Red Pigmentation
A Locus (ASIP)	Not expressed	a <sup>+</sup> a <sup>t</sup>
D Locus (MLPH)	Dark areas of hair and skin are not lightened	Dd
Cocoa (HPS3)	No co alleles, not expressed	NN
B Locus (TYRP1)	Black or gray hair and skin	BB
Saddle Tan (RALY)	Not expressed	ll
S Locus (MITF)	Likely to have little to no white in coat	SS
M Locus (PMEL)	One merle allele; may express merle	M*m
R Locus (USH2A) LINKAGE	Likely no impact on coat pattern	rr
H Locus (Harlequin)	No harlequin alleles	hh
Other Coat Traits	RESULT	GENETIC RESULT
Furnishings (RSPO2) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows)	ll

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## TRAIT TESTS (2/2)

Body Size	RESULT	GENETIC RESULT
Body Size (IGF1)	Smaller	II
Body Size (IGFR1)	Larger	GG
Body Size (STC2)	Larger	TT
Body Size (GHR - E191K)	Larger	GG
Body Size (GHR - P177L)	Larger	CC

  

Performance	RESULT	GENETIC RESULT
Altitude Adaptation (EPAS1)	Normal altitude tolerance	GG
Appetite (POMC) LINKAGE	Normal food motivation	NN