

Dog Information

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| Born to Be Your Sashimi (Sashimi) NAME | Male SEX |
| Pembroke Welsh Corgi BREED ANCESTRY | August 17th, 2023 DATE OF BIRTH |
| American Kennel Club (AKC) DN78012101 REGISTRATION | n/a MICROCHIP |

Katie Radcliff
OWNER NAME

Canine Genetic Health Screen
TEST

February 17th, 2024
TEST DATE

BREED HEALTH TESTS

| DISEASE | GENE | GENOTYPE | RESULT | TESTING RECOMMENDED BY |
|---|-------|----------|--------|------------------------|
| Degenerative Myelopathy, DM | SOD1A | GG | Clear | |
| Exercise-Induced Collapse, EIC | DNM1 | GG | Clear | |
| Progressive Retinal Atrophy, rcd3 | PDE6A | II | Clear | |
| Von Willebrand Disease Type I, Type I vWD | VWF | GG | Clear | |
| X-linked Severe Combined Immunodeficiency, X-SCID | IL2RG | NY | Clear | |

Dog Information

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INBREEDING AND DIVERSITY

| Genetic Diversity | RESULT | GENETIC RESULT |
|----------------------------------|--------|----------------|
| Coefficient Of Inbreeding | | 28% |
| MHC Class II - DLA DRB1 | | High Diversity |
| MHC Class II - DLA DQA1 and DQB1 | | High Diversity |

Dog Information

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TRAIT TESTS (1/3)

| Coat Color | RESULT | GENETIC RESULT |
|-------------------------|---|-------------------------------|
| E Locus (MC1R) | No dark mask or grizzle | EE |
| K Locus (CBD103) | More likely to have a patterned haircoat | k ^Y k ^Y |
| Intensity Loci LINKAGE | Any light hair likely yellow or tan | Intermediate Red Pigmentation |
| A Locus (ASIP) | Fawn Sable coat color pattern | a ^Y a ^Y |
| 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 | NN |
| S Locus (MITF) | Likely to have little to no white in coat | SS |
| M Locus (PMEL) | No merle alleles | mm |
| R Locus (USH2A) LINKAGE | Likely no impact on coat pattern | rr |

Dog Information

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TRAIT TESTS (2/3)

| | RESULT | GENETIC RESULT |
|--|--|----------------|
| Coat Color | | |
| H Locus (Harlequin) | No harlequin alleles | hh |
| Other Coat Traits | | |
| Furnishings (RSPO2) LINKAGE | Likely unfurnished (no mustache, beard, and/or eyebrows) | II |
| Coat Length (FGF5) | Likely short or mid-length coat | GG |
| Shedding (MC5R) | Likely heavy/seasonal shedding | CC |
| Coat Texture (KRT71) | Likely straight coat | CC |
| Hairlessness (FOXI3) LINKAGE | Very unlikely to be hairless | NN |
| Hairlessness (SGK3) | Very unlikely to be hairless | NN |
| Oculocutaneous Albinism Type 2 (SLC45A2) LINKAGE | Likely not albino | NN |
| Other Body Features | | |
| Muzzle Length (BMP3) | Likely short muzzle | AA |
| Tail Length (T) | Likely normal-length tail | CC |
| Hind Dewclaws (LMBR1) | Unlikely to have hind dew claws | CC |

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TRAIT TESTS (3/3)

| Other Body Features | RESULT | GENETIC RESULT |
|---|--|----------------|
| Chondrodysplasia (Chr. 18 FGF4 Retrogene) | Likely to have chondrodysplasia (short legs) | II |
| Blue Eye Color (ALX4) LINKAGE | Less likely to have blue eyes | NN |
| Back Muscling & Bulk, Large Breed (ACSL4) | Likely normal muscling | CC |

| Body Size | RESULT | GENETIC RESULT |
|-------------------------|--------------|----------------|
| Body Size (IGF1) | Larger | NN |
| Body Size (IGFR1) | Larger | GG |
| Body Size (STC2) | Intermediate | TA |
| Body Size (GHR - E191K) | Smaller | AA |
| Body Size (GHR - P177L) | Larger | CC |

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