

Dog Information








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|---|--|
| Roman NAME | Male SEX |
| Poodle (Standard) GENETIC BREED | May 17th, 2019 DATE OF BIRTH |
| n/a REGISTRATION | n/a MICROCHIP |

Rebecca James
OWNER NAME

Canine Genetic Health Screen
TEST

January 19th, 2021
TEST DATE

BREED HEALTH TESTS

| DISEASE | GENE | GENOTYPE | RESULT | |
|--|---------------|----------|--------|---|
| Degenerative Myelopathy, DM | SOD1 | GG | Clear |  |
| Neonatal Encephalopathy with Seizures, NEWS | ATF2 | TT | Clear |  |
| Osteochondrodysplasia, Skeletal Dwarfism | SLC13A1 | NN | Clear |  |
| Progressive Retinal Atrophy, prcd | PRCD Exon 1 | GG | Clear |  |
| Von Willebrand Disease Type I | VWF | GG | Clear |  |
| Chondrodystrophy and Intervertebral Disc Disease, CDDY/IVDD, Type I IVDD | FGF4 - chr12 | N/N | Clear |  |
| GM2 Gangliosidosis | HEXB (Exon 3) | NN | Clear |  |

Dog Information

Roman
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INBREEDING AND DIVERSITY

| Genetic Diversity | RESULT |
|----------------------------------|----------------|
| Coefficient Of Inbreeding | 13% |
| MHC Class II - DLA DRB1 | No Diversity |
| MHC Class II - DLA DQA1 and DQB1 | High Diversity |

Dog Information ✦

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TRAIT TESTS (1/2)

| Coat Color | | RESULT |
|------------------------------|--|-------------------------------|
| E Locus (MC1R) | Can have a melanistic mask | E ^m e |
| K Locus (CBD103) | More likely to have a mostly solid black or brown coat | K ^B K ^B |
| Intensity Loci LINKAGE | No impact on coat pattern | Dilute Red Pigmentation |
| A Locus (ASIP) | Not expressed | a ^t a |
| 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 | NI |
| S Locus (MITF) | Likely to have little to no white in coat | SS |
| M Locus (PMEL) | No merle alleles | mm |
| H Locus (Harlequin) | No harlequin alleles | hh |
| Other Coat Traits | | RESULT |
| Furnishings (RSP02) LINKAGE | Likely furnished (mustache, beard, and/or eyebrows) | FF |
| Coat Length (FGF5) | Likely long coat | TT |
| Shedding (MC5R) | Likely light shedding | CC |
| Coat Texture (KRT71) | Likely curly coat | TT |
| Hairlessness (FOX13) LINKAGE | Very unlikely to be hairless | NN |
| Hairlessness (SGK3) | Very unlikely to be hairless | NN |

Dog Information ✦

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TRAIT TESTS (2/2)

| Body Size | | RESULT |
|-------------------------|--------------|--------|
| Body Size (IGF1) | Intermediate | NI |
| Body Size (IGFR1) | Larger | GG |
| Body Size (STC2) | Larger | TT |
| Body Size (GHR - E191K) | Larger | GG |
| Body Size (GHR - P177L) | Larger | CC |

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