

## Dog Information

|                                              |                            |
|----------------------------------------------|----------------------------|
| <b>Meldox Snoop Diggity Dog (Snoopy)</b>     | <b>Male</b>                |
| <b>NAME</b>                                  | <b>SEX</b>                 |
| <b>Dachshund</b>                             | <b>March 17th, 2016</b>    |
| <b>BREED ANCESTRY</b>                        | <b>DATE OF BIRTH</b>       |
| <b>American Kennel Club (AKC) HP55181601</b> | <b>933-000-320-006-241</b> |
| <b>REGISTRATION</b>                          | <b>MICROCHIP</b>           |

**Sharon Krotzer**  
**OWNER NAME**

**Canine Genetic Health Screen**  
**TEST**

**April 15th, 2021**  
**TEST DATE**

## BREED HEALTH TESTS

| DISEASE                                                                  | GENE              | GENOTYPE | RESULT    | TESTING<br>RECOMMENDED BY                                                             |
|--------------------------------------------------------------------------|-------------------|----------|-----------|---------------------------------------------------------------------------------------|
| Degenerative Myelopathy, DM                                              | SOD1(A)           | GG       | Clear     |    |
| Mucopolysaccharidosis Type IIIA, Sanfilippo Syndrome Type A, MPS IIIA    | SGSH              | NN       | Clear     |    |
| Narcolepsy                                                               | HCRT2             | GG       | Clear     |   |
| Neuronal Ceroid Lipofuscinosis 1, NCL 1                                  | PPT1 (Exon 8)     | NN       | Clear     |  |
| Neuronal Ceroid Lipofuscinosis 2, NCL 2                                  | TPP1 (Exon 4)     | NN       | Clear     |  |
| Progressive Retinal Atrophy, crd4/cord1                                  | RPGRIP1 (Exon 2)  | NN       | Clear     |  |
| Chondrodystrophy and Intervertebral Disc Disease, CDDY/IVDD, Type I IVDD | FGF4 - chr12      | N/I      | 1 Variant |  |
| Osteogenesis Imperfecta, Brittle Bone Disease                            | SERPINH1 (Exon 5) | CC       | Clear     |  |

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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 <sup>y</sup> k <sup>y</sup> |
| Intensity Loci LINKAGE  | Any light hair likely apricot or red           | Intense Red Pigmentation      |
| A Locus (ASIP)          | Black/Brown and tan coat color pattern         | a <sup>+</sup> a <sup>+</sup> |
| D Locus (MLPH)          | Dark areas of hair and skin are lightened      | dd                            |
| Cocoa (HPS3)            | No co alleles, not expressed                   | NN                            |
| B Locus (TYRP1)         | Black or gray hair and skin                    | BB                            |
| Saddle Tan (RALY)       | Not saddle tan patterned                       | II                            |
| S Locus (MITF)          | Likely flash, parti, piebald, or extreme white | spsp                          |
| M Locus (PMEL)          | No merle alleles                               | mm                            |
| R Locus (USH2A) LINKAGE | Likely no impact on coat pattern               | rr                            |

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## TRAIT TESTS (2/3)

| Coat Color          | RESULT               | GENETIC RESULT |
|---------------------|----------------------|----------------|
| H Locus (Harlequin) | No harlequin alleles | hh             |

| Other Coat Traits                                | RESULT                                                   | GENETIC RESULT |
|--------------------------------------------------|----------------------------------------------------------|----------------|
| Furnishings (RSP02) LINKAGE                      | Likely unfurnished (no mustache, beard, and/or eyebrows) | II             |
| Coat Length (FGF5)                               | Likely short or mid-length coat                          | GG             |
| Shedding (MC5R)                                  | Likely light shedding                                    | TT             |
| 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             |
| Coat Texture (KRT71)                             | Likely straight coat                                     | CC             |

| Other Body Features   | RESULT                          | GENETIC RESULT |
|-----------------------|---------------------------------|----------------|
| Muzzle Length (BMP3)  | Likely medium or long muzzle    | CC             |
| 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 |
|-------------------------------------------|-------------------------------|----------------|
| 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)                          | Smaller                       | II             |
| Body Size (IGFR1)                         | Smaller                       | AA             |
| 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             |