AKC DNA PROGRAM

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## Customer & Pet Information

| | | | |
|---|---|---|---|
| Registered Name | Sunset's Sammy | Registration # | PR28143802 |
| Breed | Poodle | Tattoo | - |
| Sex | Male | Microchip | |
| DOB | Dec 6, 2023 | Lab Sample ID | 52962019 |
| | | AKC Sample ID | 40005005 |
| | | Report Date | Jun 25, 2025 |

## Explanation of Results

| | |
|---|---|
| **Normal** | A 'Normal' result means that your dog does not have the mutation that causes the associated genetic disease. |
| **Carrier** | A 'Carrier' result indicates that your dog has inherited one copy of the mutation that has been reported to cause this genetic disease. Your dog may not be clinically affected by this mutation because two copies of the mutation are usually required to cause disease. |
| **Carrier / At-Risk** | A 'Carrier / At–Risk' result indicates that your dog inherited one copy of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one mutant copy of the gene may result in the disease. Dogs with one copy of the mutation may have a milder phenotype as compared to dogs with two copies of this mutation. |
| **At-Risk / Affected** | An 'At–Risk / Affected' result indicates that your dog inherited one or two copies of the mutation that has been reported to cause this genetic disease. Based on the mode of genetic inheritance for this particular disease, inheriting one or two mutant copies of the gene may result in the disease. |
| **No Result** | 'No Result' indicates that we were unable to obtain a genotype for your dog for this specific disease or trait and does not mean that your dog is a carrier or at-risk for this disease. There are a variety of reasons why a specific test may not provide a reportable result. Unique variations in the genetic code of some individuals may exist and cause certain regions of the genome to not perform properly with a specific test. In addition, suboptimal sampling of the dog's cheek cells could also result in poor sample performance due to inadequate cell counts, bacterial and fungal growth, or the presence of other test inhibitors. Dogs with at least 90% of the test results are determined to be acceptable and reportable. If your dog has an unacceptable level of tests with no results, you will be contacted for a new sample to repeat the testing. |

Please review our testing terms and disclaimers regarding your results.

WT: wild type (normal) M: mutant Y: Y chromosome (male)

## Breed Profile

| Disease Name | Genotype | Interpretation |
|---|---|---|
| Chondrodystrophy with Intervertebral Disc Disease Risk Factor (CDDY with IVDD) | WT/WT | Normal (Clear) - No CDDY or Increased IVDD Risk |
| Congenital Methemoglobinemia | WT/WT | Normal (Clear) |
| Degenerative Myelopathy (Bernese Mountain Dog Variant) | WT/WT | Normal (Clear) |
| Degenerative Myelopathy (Common Variant) | WT/WT | Normal (Clear) |
| Ehlers-Danlos Syndrome (Poodle Type, Variants 1 and 2) | WT/WT | Normal (Clear) |
| Ehlers-Danlos Syndrome (Poodle Type), Variant 1 | 0 | |
| Ehlers-Danlos Syndrome (Poodle Type), Variant 2 | 0 | |
| GM2 Gangliosidosis (Poodle Type) | WT/WT | Normal (Clear) |
| Hereditary Cataracts | WT/WT | Normal (Clear) |
| Multidrug Resistance 1 | WT/WT | Normal (Clear) |
| Neonatal Encephalopathy with Seizures | WT/WT | Normal (Clear) |
| Osteochondrodysplasia | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration | WT/WT | Normal (Clear) |
| Progressive Retinal Atrophy, Rod-Cone Dysplasia 4 | WT/WT | Normal (Clear) |
| Von Willebrand Disease I | WT/WT | Normal (Clear) |

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## Coat Colors & Traits

| Trait Name | Genotype | Interpretation |
|---|---|---|
| A Locus (Agouti) | $a^t/a^t$ | Black and tan |
| $A^s$ Locus (Saddle Tan) | N/N | No saddle tan/creeping tan |
| B Locus (Brown) | B/B | Black coat, nose and foot pads (does not carry brown) |
| B Locus (Brown) - $b^a$ | 0 | |
| B Locus (Brown) - $b^c$ | 0 | |
| B Locus (Brown) - $b^d$ | 0 | |
| B Locus (Brown) - $b^h$ | 0 | |
| B Locus (Brown) - $b^e$ | 0 | |
| B Locus (Brown) - $b^s$ | 0 | |
| Brachycephaly | br/br | Likely short muzzle |
| Chondrodysplasia (CDPA) | cd/cd | No Leg Shortening Associated with CDPA |