DNA HEALTH SUMMARY

Test Date: **1/18/2026**

Registered Name:	**In the "Shadow" of the Pines**
Date of Birth:	**3/15/2024**
Sex:	**Male**
Breed Ancestry:	**65.0% Gray Wolf + 35.0% Mixed Ancestry**
Embark Swab Code:	**31250530220676**
Embark Profile:	**http://embk.me/shadow5584**

Your dog's DNA was tested by Embark Veterinary, Inc. for the likelihood of developing clinical signs from 18 health conditions that are currently relevant for their breed(s). Please speak to your veterinarian and breeder about specific risks and care recommendations associated with your dog's results.

Great news!

Your dog is **not expected to develop signs and symptoms** from the specific variants* for the following breed-relevant conditions:

- Achromatopsia (CNGA3 Exon 7, German Shepherd Variant)

- Alaskan Malamute Polyneuropathy, AMPN (NDRG1 SNP)

- Canine Leukocyte Adhesion Deficiency Type III, CLAD III (FERMT3, German Shepherd Variant)

- Day Blindness, Cone Degeneration, Achromatopsia (CNGB3 Deletion, Alaskan Malamute Variant)

- Degenerative Myelopathy, DM (SOD1A)

- Factor VII Deficiency (F7 Exon 5)

- Factor VIII Deficiency, Hemophilia A (F8 Exon 1, German Shepherd Variant 2)

- Factor VIII Deficiency, Hemophilia A (F8 Exon 11, German Shepherd Variant 1)

- GM1 Gangliosidosis (GLB1 Exon 15, Alaskan Husky Variant)

- Hyperuricosuria and Hyperuricemia or Urolithiasis, HUU (SLC2A9)

- Ichthyosis (ASPRV1 Exon 2, German Shepherd Variant)

- MDR1 Drug Sensitivity (ABCB1)

- Mucopolysaccharidosis Type VII, Sly Syndrome, MPS VII (GUSB Exon 3, German Shepherd Variant)

- Platelet Factor X Receptor Deficiency, Scott Syndrome (TMEM16F)

- Primary Ciliary Dyskinesia, PCD (NME5, Alaskan Malamute Variant)

- Renal Cystadenocarcinoma and Nodular Dermatofibrosis, RCND (FLCN Exon 7)

- X-linked Ectodermal Dysplasia, Anhidrotic Ectodermal Dysplasia, XHED (EDA Intron 8)

** The information presented above is intended for non-breeding purposes. Please refer to the full Embark genetic test results for comprehensive health and trait information that is relevant for breeding decisions.*

- **X-Linked Progressive Retinal Atrophy 1, XL-PRA1 (RPGR)**

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