



# Certificate of Breed

OWNER'S NAME: Morgan Westerfield

DOG'S NAME: Aranea

TEST DATE: December 31st, 2019

OWNER SUPPLIED BREED: Gray Wolf

REGISTRATION ORGANIZATION: --

REGISTRATION NUMBER: --

This certifies the authenticity of **Aranea**'s canine genetic background as determined following careful analysis of more than 200,000 genetic markers.

Welcome to the  
**Embark** family!

MATERNAL **A29a**  
HAPLOTYPE

54.6% Gray Wolf

20.0% German Shepherd Dog

15.2% Alaskan Malamute

10.2% Siberian Husky

Purebred certification is separate from genetic ancestry. Purebred status is defined by pedigrees at registration bodies. Ancestry looks at segments of shared DNA.

Adam Boyko, Ph.D.  
CHIEF SCIENCE OFFICER

Ryan Boyko  
CHIEF EXECUTIVE OFFICER