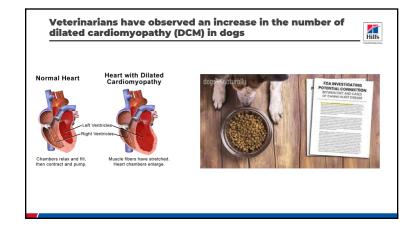
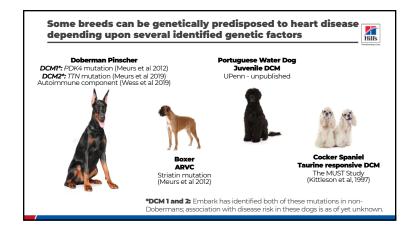
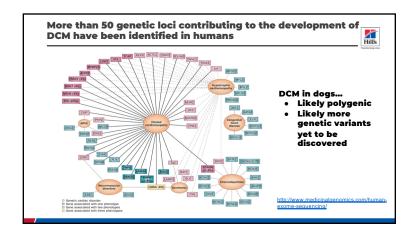


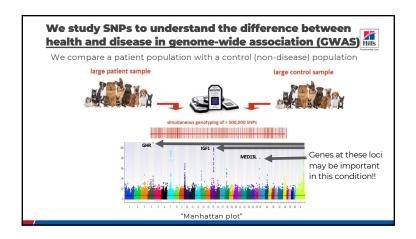
Breed	% of cases (N=361)
Doberman	7.32%
Great Dane	7.30%
Mastiff	6.52%
Irish Wolfhound	6.08%
Saluki	5.88%
Mix	0.16%
	D-II

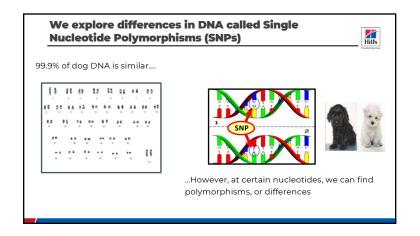
DCM cases are more likely to be purebred, though many mixed breed dogs also develop the condition

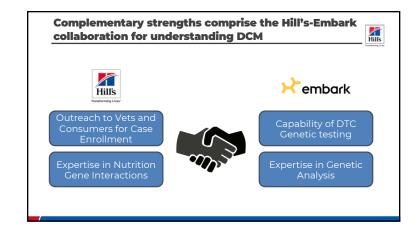


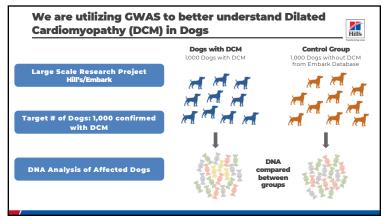


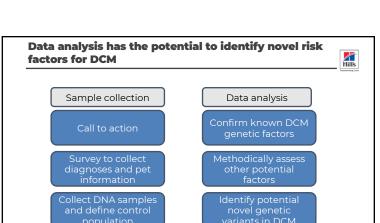


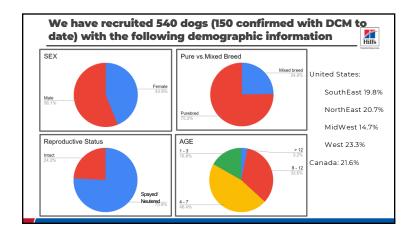


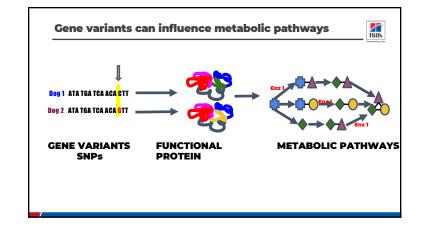












Gene variants are linked to health, disease and nutrition



Hill's Research:

Lean body mass and loci containing genes involved in insulin and glucose regulation are associated with calorie intake in dogs

Dennis Edward Jewell Jeffrey A. Brockman Matthew J. Huentelman Christopher B. Kingsley Ashley L. Siniard Ryan Richholt Jean A. Hall

First published: 01 April 2013 https://doi.org/10.1096/fasebj.27.1 supplement.345.3

In people, GWAS identified potential links to nutrition



Genome-Wide Association Meta-Analysis of Individuals of **European Ancestry Identifies Suggestive Loci for Sodium** Intake, Potassium Intake, and Their Ratio Measured from 24-Hour or Half-Day Urine Samples

Ron T Gansevoort, Marguerite R Irvin, Jung Eun Lee ... Show more

The Journal of Nutrition, nxaa241, https://doi.org/10.1093/jn/nxaa241 Published: 25 August 2020 Article history ▼

Multiple SNPs found associated with that show promise for better management of blood pressure and cardiovascular diseases

Many nutrients are involved in heart function Amino Acids Vitamins **Minerals Fatty Acids** Calcium **Thiamine Arginine** Long chain fatty acids **Cadmium Riboflavin** Cysteine Short chain fatty acids Cobalt Niacin Methionine **Pyridoxine** Copper Taurine Folate Iron Lead **Tryptophan** Cobalamin **Magnesium** Vitamin C • Roles in hundreds of Manganese Vitamin D **Potassium** metabolic pathways Vitamin E Selenium Choline Sodium Carnitine • Impact heart structure Zinc Glutathione and function CoQ10

