

Information regarding MPS I outbreak in Plott Hounds in Sweden

Dear Sir or Madam,

I am writing on behalf of the Swedish Plott Hound Club (*Svenska Plotthundklubben*). Over the past year, we have been actively working to manage the situation following an outbreak of **Mucopolysaccharidosis type I (MPS I)** in a litter here in Sweden. As part of this effort, we have targeted around thirty dogs for health testing.

| What is MPS I?

MPS I is a severe, inherited lysosomal storage disease caused by a deficiency of the enzyme *alpha-L-iduronidase*. Affected dogs typically exhibit:

- Stunted growth and facial changes
- Corneal clouding leading to vision loss
- Joint deformities and progressive lameness
- Skeletal abnormalities and chronic pain

| Current Challenges

At present, we have unfortunately been forced to pause this vital health initiative. Due to a lack of cooperation from a specific veterinarian, already collected test material has not been forwarded to the Swedish University of Agricultural Sciences (SLU) in Uppsala. This administrative roadblock is currently preventing us from establishing a reliable, localized MPS I testing routine in Sweden.

Call to Action for Dog Owners

We strongly encourage all owners of Plott Hounds from potentially affected bloodlines to seek information about the disease and consider testing their dogs. For more detailed clinical and genetic information, please visit the following resources:

- **PennGen Sample Testing (University of Pennsylvania):**
<https://netapps.vet.upenn.edu/PennGen/SampleTesting/GeneticsTest.aspx?testid=36>
- **Online Mendelian Inheritance in Animals (OMIA):**
<https://omia.org/OMIA000664/9615/>
- **Labgenvet Disease Database:**
<https://labgenvet.ca/en/disease/mucopolysaccharidosis-i-mps-i-hurler/>
- **CombiBreed MPS I Testing:**
<https://www.combibreed.com/mucopolysaccharidosis-i-mps1-plott-hound/>

Seeking Collaboration with Finland

The health of our breed crosses borders, and we are highly motivated to establish a strong, collaborative relationship with the **Finnish Plott Hound Club** regarding this matter. Joint efforts will be crucial in mapping the spread and protecting the breed in the Nordic region.

We would be immensely grateful for any advice, shared experiences, or insights your club might offer.

Thank you for your time and attention to this urgent matter. We look forward to hearing from you.

Yours sincerely,

Styrelsen / The Board

The Swedish Plott Hound Club

Svenska Plotthundklubben

Signatur / Kontakt