

LABRADOR BREED COUNCIL INFORMATION
ON HEREDITARY CATARACTS RESEARCH

17th April 2018

For all who helped by supplying samples for HC research, I have today received the following from Dr Sally Ricketts:-

"We now have high-quality genome-wide marker data for 226 Labradors (117 Labradors with bilateral posterior polar subcapsular cataracts and 109 unaffected Labradors over the age of eight with a current clear eye examination).

This set of dogs was typed for around 730,000 markers spanning the canine genome.

After quality control filtering, we assessed around 351,300 markers across the genome for association with HC.

Unfortunately after adjusting for population effects (relatedness amongst individuals), we did not find any regions of the DNA showing strong statistical association with HC.

However, we plan to conduct several further analyses and will also continue to collect additional cases and controls for the study that we can use to supplement the current dataset; **so do put the word out that we are still in need of samples from dogs with HC in both eyes and from older dogs over 8 years that have a current clear eye examination."**

Please will anyone with dogs who meet the above criteria contact Chris Jenkins at the Animal Health Trust. Chris.jenkins@aht.org.uk or myself Lynda Heron, brigburn@gmail.com

Many thanks

Lynda Heron
Northumberland and Durham L.R.C.
Breed Council Representative