

9th May 2011

Standard Poodles from the AHT

- We actually found 10 different haplotypes in the 50 standard poodles. 8 previously found in poodles and 2 not previously found in poodles
- The most frequent haplotype is the one found in all poodle types (No1) and 44/50 have this haplotype
- 27/50 dogs are homozygous, of which 24/27 are homozygous for the commonest haplotype this compares to 9/20 for UK dogs, of which 8/9 are homozygous for the common haplotype
- 18/26 dogs are homozygous for the common haplotype when estimated % Wycliffe > 40%
- No obvious trends with COI, Fullgen, Numincom, Year of birth etc
- The a and r colours have a much higher frequency of haplotype 4. Presumably this reflects a different line that happens to be that colour.
- These dogs only share 6 haplotypes with the N Am poodles, although these tend to be the most frequent haplotypes.
- MHC diversity could be improved by careful breeding with some of these dogs. However, I would not recommend increasing the frequency of the rare haplotypes, as they may have other disease associations.

