



# Analysis of the *SLC11A1* (NRAMP-1) gene and association with resistance to Bovine Tuberculosis

Charlotte Elder, Angela Holder and Dirk Werling

Pathobiology and Population Sciences, Royal Veterinary College, Hawkshead Lane, Hatfield, Hertfordshire, AL9 7TA

10 GT repeat tended to show a lower luciferase activity.

Studies have shown that different microsatellite lengths within the 3' UTR of the *SLC11A1* gene are related to resistance / susceptibility to some intracellular pathogens. Three different length repeats for the first microsatellite were assessed for their influence over post-transcriptional gene

## Key Aim:

To identify sub-species, as well as breed specific polymorphisms within the *SLC11A1* gene in association with potential genetic resistance to *M. bovis*.