


National Project Factsheet (*maximum 1 page per project*)

	FULL TITLE: Mapping QTL for ocular component dimensions in chicken
ACRONYM	N/A
COORDINATOR	Jeremy A. Guggenheim, Cardiff University, U.K.
CONTRACT NUMBER	BB/C514531/1
START DATE/END DATE	01/11/2005 - 31/10/2008
FUNDING INSTRUMENT	BBSRC Project grant
KEY WORDS	Eye size, Genetic variation, Quantitative Trait Loci, Advanced Intercross Lines
SUMMARY	This project is using a tenth generation Advanced Intercross Line (AIL) of chickens to map QTL controlling the normal variation in eye size in this species. Phenotypes of interest are: Corneal curvature, Corneal thickness, Anterior chamber depth, Lens thickness, Lens radii of curvature, Vitreous chamber depth, Equatorial eye diameter and Eye weight. Genetic analysis will be in the form of genomewide SNP genotyping and linkage/association testing.
PARTICIPANTS	J. A. Guggenheim, Cardiff University; J. T. Erichsen, Cardiff University; P. M. Hocking, Roslin Institute.
BUDGET	£265,360
PROJECT WEB-SITE	N/A