

**Proceedings of the CIC meeting of the investigators of the NAIP on “Toll-like receptors in farm animals –Evolutionary lineages and application in disease resistance” held on 03.08.2009 at National Bureau of Animal Genetic Resources, Karnal**

The following persons attended the CIC meeting

Dr. B. K. Joshi, Director, NBAGR, Karnal

Dr. G. Dhinakar Raj, CPI, NAIP and Professor, Dept. of Animal Biotechnology, MVC, Chennai

Dr. R. S. Kataria, CCPI, NAIP, NBAGR, Karnal

Dr. Y.P.S. Malik, CCPI, NAIP, IVRI, Mukteswar

Dr. A. Raja, Co-PI, NAIP, ABT, MVC, Chennai

Dr. P. Kathiravan, Co-PI, NAIP, NBAGR, Karnal

Mr. Mahinder Singh, AO, NBAGR, Karnal

Mr. Sunil Kumar, AF & AO, NBAGR, Karnal

Mr. H. R. Arya, Purchase Officer, NBAGR, Karnal

Dr. G. Dhinakar Raj, CPI thanked the Director, NBAGR for having permitted to conduct and chair the CIC meeting, on behalf of the consortium.

The Director, NBAGR briefed about the mandate and activities of NBAGR before listening to the technical presentations from CCPIs of NBAGR, TANUVAS and IVRI.

NBAGR has detected 24 SNPs in the TLR 7 gene of buffalo and evolved a genotyping strategy for its detection. Based on that, differences were observed in the allele frequency of riverine and swamp buffaloes. DNA isolated from twenty-four blood samples from two different breeds of goats (from TANUVAS) are to be used for SNP detection in the TLR 5 and TLR 7 genes.

TANUVAS have developed RT-PCR based cytokine detection method for TNF-alpha, IL-6, IL-8, IL-10, INF-gamma, IL-1beta and IL-12p40 for goat. Goat TLR2 full-length gene has been cloned into retroviral vector and transfected into HEK 293 cell line. Six goat TLR genes have been completely sequenced and the rest are in progress.

IVRI, Mukteswar have sequenced two TLR genes of Yak and three more are in progress. Dr. YPS, expressed difficulty in obtaining Mithun blood samples from NRC, Mithun. The Director, NBAGR suggested to write to the Director, NRC, Mithun through the Director, IVRI and also explore the possibility of collecting samples with the help from Dept. of Animal Husbandry, Mizoram.

SNPs in the promoter regions of the TLR genes of buffalo & goat to be detected & their correlation with expression to be under taken by NBAGR

Real time PCR based cytokine assays for four cytokines and protein assay for TNF-alpha may be used by TANUVAS for correlation with the SNPs in the same set of animals of two goat breeds.

Any new information for updating the website may be submitted to CPI once in every three months.

One or two SRFs from TANUVAS trained in real time PCR for TLR expression studies may be sent to IVRI, Mukteswar for analysis of TLR expression in PBMCs of Yak available at IVRI, Mukteswar.

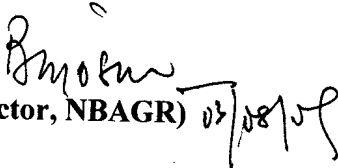
The non-expendable budget of NBAGR and IVRI has been revalidated and purchase of approved equipments is in progress and will be completed shortly. Savings from the non-recurring budget may be used for purchase of already approved equipment in minor equipment head not exceeding 10% of the approved budget for that head.

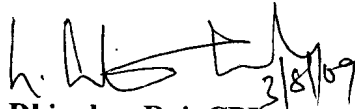
All the consortium partners have sent the AUC for 2008-09 and SoE for the first quarter of 2009-10.

The date for the next CAC meeting may be fixed in November 2009 in consultation with the National Co-ordinator, Component 4 and the CAC chairman and members.

The Director, NBAGR expressed that both technical and financial progress is as per schedule.

The CCPI, NBAGR thanked the Director, NBAGR and other participants of the CIC meeting.

  
(Director, NBAGR) 03/08/09

  
(G. Dhinakar Raj, CPI) 3/8/09