













ese animals are reared by pastoralist Gujjar communities from Haryana and Punjab.







‡ 3` [^ ef[fgf[a` Sl award “Taradevi Modi

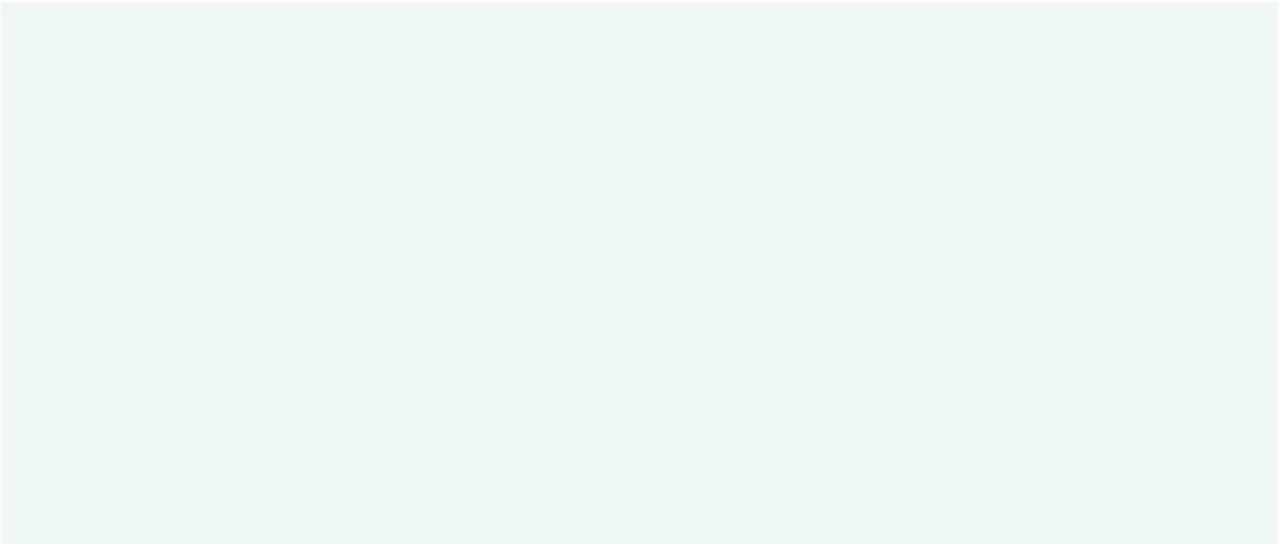
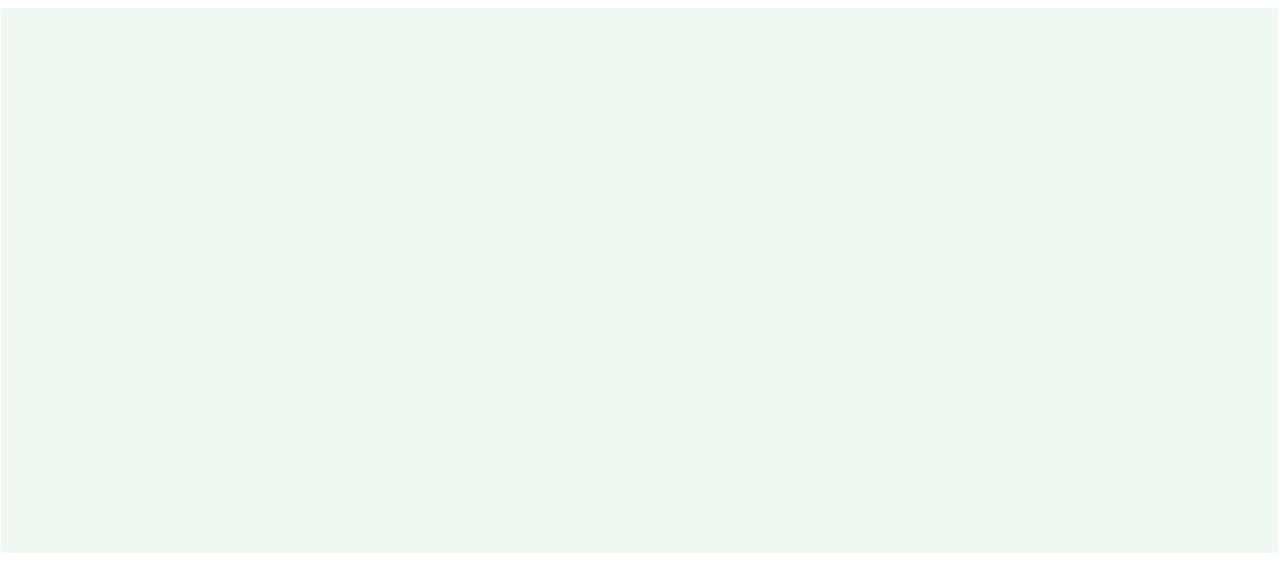
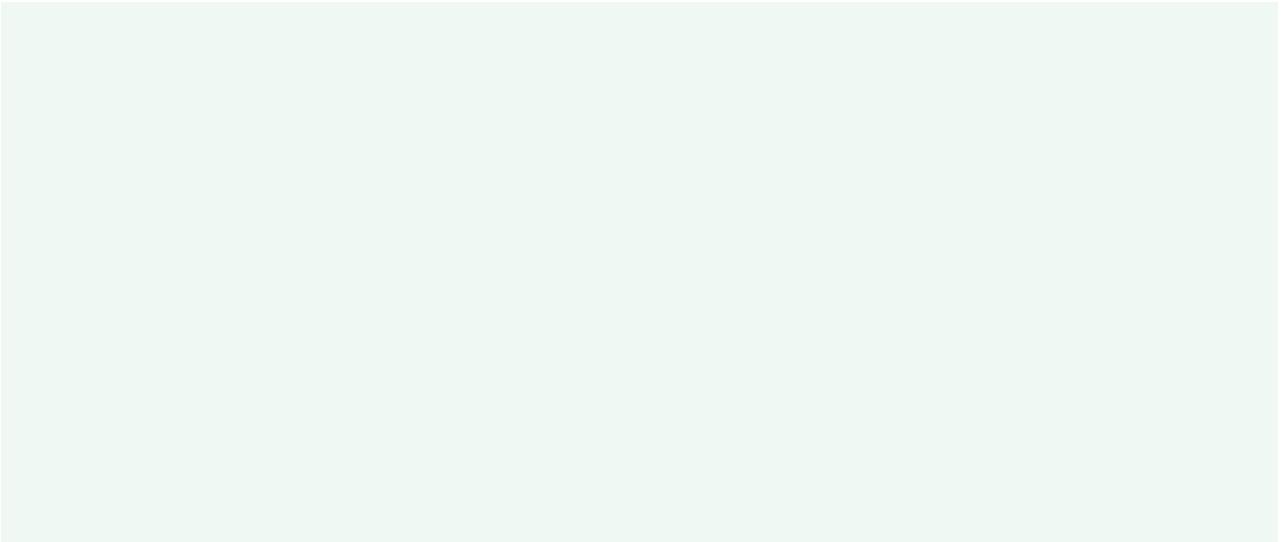




















**Nari Cattle:** Nari cattle are found in the Bali

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kids are sold for chevon whereas the females are kept as replacements.

For conservation and improvement of livestock genetic resources in the farmers' herds Surti, Gir, Sirohi and Sonadi breeds of bullock, cattle, goats and sheep species respectively were identified. Seven Gir bulls, 46 Sirohi bucks and 5 Sonadi rams were given to the farmers by NBAGR &



## ***Ex-situ conservation***

## **Genetic Characterization**

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5504 position (A>G) in intron- 2 region of the TLR4 gene showed a significant difference in frequencies between mastitis-aFFECTed and







**Genetic characterization of Red Jungle Fowl**  
(



**Relationships of gene polymorphisms with growth traits in goat:** The positive effect of Insulin-like growth factor-1(IGF1), Growth



Goat TLR2 gene has been characterized by polymorphism analysis, which showed presence of seven polymorphic nucleotides in 12 different animals. Out of five SNPs in the coding region, four were synonymous and

























## Bullalo Genomics





## **Completed Research Projects**

14.



M Mukesh, Rajesh Kumar and AK Tyagi (NDRI)





38.











NBAGR ANNUAL REPORT

2011-2012







## **An Interactive meet**









*Felicitation of Kankrej cattle owner on Biodiversity Day*



















## **Promotions**



















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