RELATIONSHIP BETWEEN ANCIENT AND NATIVE PIGS ON JEJUISLAN

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Ancient pig bones were collected from three archaeological sites on Jeju Island is which have been estimated to date from A.D. 0 to A.D. 500, and phylogenetically aim. The obtained CR fragments were identified as the species, *Sus scrofa*. On the repjoining tree, ancient CR sequences were localized to two distinct subclusters, indicating there were two kinds of animals present on Jeju in ancient times, domestic pigs and boars. Thus, the ancient CR sequences were divided into two pig breeds and maternally distinct, although both were indigenous to the Asian pig lineage. Thus, cost to our original prediction, there must have been two kinds of pig breeds on Jeju king ancient times, domestic and wild. These would have been used by the islanders for the reasons at that time and notably included domestic pigs that are different to those compresent on this island.

SINGLE NUCLEOTIDE POLYMORPHISM WITHIN EXON 4 OF THE BOVIN PROLACTIN GENE IN THREE IRANIAN NATIVE CATTLE

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Prolactin stimulates mammary development and promotes the formation and action of a corpus luteum during the female reproductive cycle in some mammals. Hence the PRL is a potential quantitative trait locus and genetic marker of production traits in dairy can the gene and genotypic frequencies of bovine prolactin (bPRL) in Iranian Sum Golpayegani and Sistani cattle (268 blood samples in total) was investigated using RFLP analyses. Three genotypes of AA, AB and BB were observed. The frequencies of and B alleles were 0.3 and 0.7 for Sistani and 0.73 and 0.27 for Sarabi and Golpayea cows, respectively. The χ^2 test confirmed the Hardy–Weinberg equilibrium in the populations. Different allele frequency may be explained by the reason of Sistani is the cattle nevertheless Sarabi and Golpayegani are dairy cattle.

Keywords: Sarabi, Golpayegani, Sistani, Prolactin, Genetic polymorphism

ANALYSIS OF N FOR POTEN

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This study was congions on carcass seers of 67 prove chromosome 14 was for QTL effects. Observed a potential allele allele quencies showed a potential

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Variance comp (DG), metaboli feed conversion Data were anal maternal association comprising dissignificantly (pheritability est 0.45±0.03, 0.3 and RFI, respirate for only covariances of Keywords: Gr