

# The PPARG (peroxisome proliferator-activated receptor gamma) gene SNPs association with gene pool breed hens reproduction

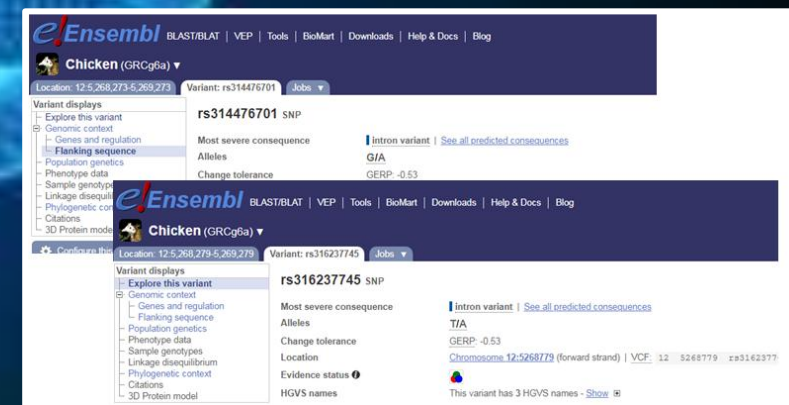
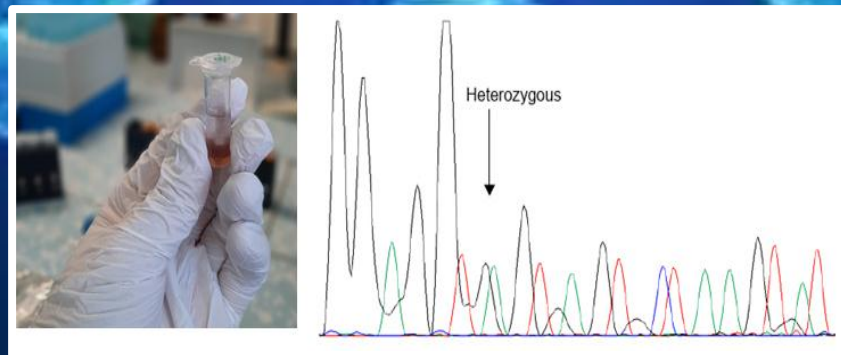
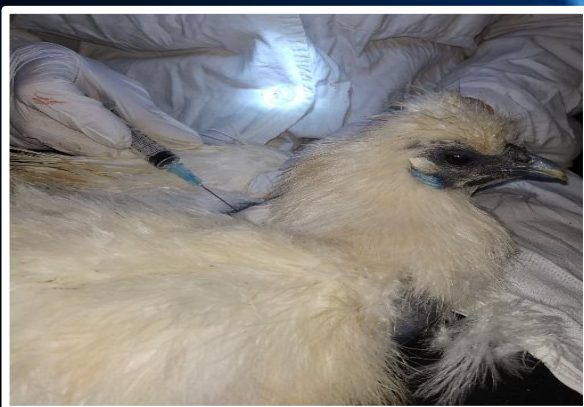
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1. Some chicken gene pool breeds are small and have reduced reproductive function as a result of obesity after a short oviposition, that significantly reduces feeding efficiency, egg production, carcass taste, slaughter yield, consumer value, and there is also an environmental aspect, such as the fat utilisation problem.

2. The main study objective was to study the PPARG gene, include identifying polymorphic sites in this gene and revealing the relationship with lipid metabolism and egg production in gene pool chicken populations.

3. Sequencing of these fragments PPARG gene revealed two sites of single-nucleotide polymorphism SNP of the PPARG gene in the regulatory region (rs314476701 A>G, rs316237745 A>T), and the association of these SNPs with a significant decrease in egg production was revealed.



The reported study was funded by RFBR, project number 20-016-00127