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Title

Metagenomic data of DNA viruses of poultry affected with respiratory tract infection

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Abstract

The incidence and severity of respiratory diseases in commercial broiler chicken flocks have increased recently in India because of intensification of the broiler industry. Viral population are predominant in respiratory tract infections and they pose continuous economic burden to poultry industry by causing severe economic losses through decreased productivity [1, 2]. To understand viral metagenome of poultry associated with respiratory infections, we performed DNA virome sequencing and data analysis of broilers from 8 districts of Gujarat State in India. We report high quality sequencing reads and highly abundant DNA viral population present in the infected broiler birds. The raw sequencing data used to perform metagenomic analysis is available in the Sequence Read Archive (SRA) under the BioProject No.

PRJNA322592 and Accession No. MAUZ00000000, MAVA00000000, MAVB00000000, MAVC00000000, MAVD00000000, MAVE00000000, MAVF00000000, MAVG00000000 (<https://www.ncbi.nlm.nih.gov/bioproject/?term=PRJNA322592>).

Keywords: DNA Virome, Metagenomics, Next Generation Sequencing

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