DETECTION OF INFECTIOUS BRONCHITIS VIRUS GENOTYPES FROM MEAT-TYPE CHICKENS AND EVALUATION OF LEVELS OF IBV-VACCINE ANTIBODIES

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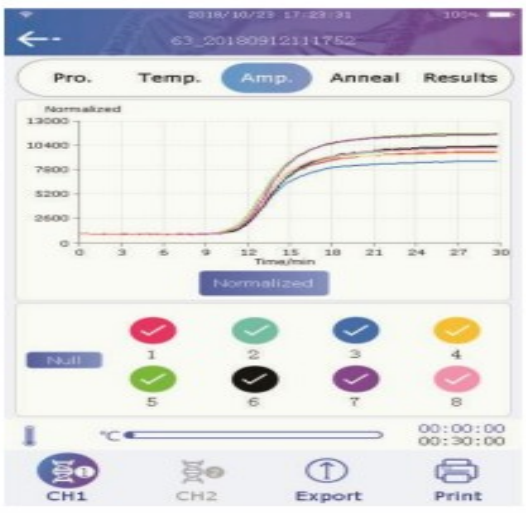

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THESIS ABSTRACT

This study aims to determine the genetic structure of Avian Coronavirus (ACoV) infections in Turkey in order to develop effective diagnostic methods and region-specific vaccination strategies. By analyzing the S1 gene region, the relationship between field and vaccine strains will be evaluated, providing original and applicable data for disease control.
The study seeks to contribute original findings to the literature by generating data relevant to current or future ACoV vaccines used in Turkey, and to lay the groundwork for the development of effective control strategies for the poultry industry.

APPLICATION AREAS OF THE THESIS RESULTS

This thesis study offers direct applications in areas such as the development of region-specific vaccines, the establishment of effective diagnostic methods, the improvement of disease control strategies, and the strengthening of epidemiological surveillance through the characterization of the genetic structure of Avian Coronavirus strains.
The data obtained provide original contributions to the scientific literature and establish a scientific foundation for the management of poultry health in Turkey.

ACADEMIC ACTIVITIES

1. Serim Kanar, T. (2020). *Detection of infectious bronchitis virus genotypes from meat-type chickens and evaluation of levels of IBV-vaccine antibodies*. Master's Seminar, Uludağ University, Faculty of Veterinary Medicine, Department of Microbiology, June 12, 2020, Bursa, Turkey.
2. Demircioğlu, A., Coşkun, A.G., Kanar, T.S., Eyigör, A., & Temelli, S. (2024). *High Salmonella load with serovar Virchow dominance pose major public safety risk in postchill broiler carcasses*. *Poultry Science*, 103(5), 103584. https://doi.org/10.1016/j.psj.2024.103584