

# Effects of probiotic strains on the regulatory mechanisms of inflammation in poultry

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Biochemistry and Molecular Biology

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The overuse of antibiotics in animal production is one of the most important sources of multidrug resistant bacteria becoming an enormous risk for the public health. The reduction of antibiotics use is essential, but more research is needed to find alternatives with a similar mode of action. Probiotics are considered promising alternatives due to their immunomodulation and antimicrobial capacities improving the efficiency and animal health. In this regard, this study focuses on the analysis of beneficial effects of 3 selected probiotic strains on the performance and immune parameters of poultry when they are challenged with a proinflammatory diet.

This project has been made based on the **confidential** results obtained in the External Practices in Animal nutrition program at the Institute of Agrifood Research and Technology (IRTA)-Mas Bové in collaboration with Molecular Bioactivity of Food (MoBioFood) Research Group located in Biochemistry and Biotechnology Department of Rovira i Virgili University, under the supervision of Dr. Joan Tarradas Font and Dra. Esther Rodríguez Gallego. **To get more information you may contact:**

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