

## **Abstract**

Viral interference can be found in both homologous and heterologous viruses and may have significant impact on the infection. One of such impacts is superinfection exclusion, which is a defence mechanism used by a wide variety of viruses. The superinfection exclusion may occur in different steps of viral life cycle. Despite being a common viral function, most of the mechanisms of exclusion stay yet undefined, same as proteins, which are taking part in superinfection exclusion. This work is a summary of knowledge in the field of interference between animal viruses, with focus on homologous interference and mechanisms of superinfection exclusion. Research of this phenomenon can bring important information for the development of new antiviral treatment, virus diagnosis and understanding of interactions between viruses.

## **Key words:**

Viral infection, animal viruses, homologous interference, superinfection exclusion, mechanisms of exclusion