

Title (en)
RECOMBINANT INFECTIOUS LARYNGOTRACHEITIS VIRUS AND USES THEREOF

Title (de)
REKOMBINANTES INFEKTIÖSES LARYNGOTRACHEITISVIRUS UND DESSEN VERWENDUNG

Title (fr)
VIRUS DE LA LARYNGOTRACHEITE INFECTIEUSE RECOMBINE ET SES UTILISATIONS

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Abstract (en)
[origin: WO9629396A1] The present invention provides a recombinant, attenuated infectious laryngotracheitis virus comprising the infectious laryngotracheitis viral genome which contains a deletion in the glycoprotein gG gene. This attenuated virus is useful as a vaccine against infectious laryngotracheitis virus. The present invention also provides a recombinant, attenuated infectious laryngotracheitis virus comprising the infectious laryngotracheitis viral genome which contains a deletion in the US2 gene, UL47-like gene, ORF4 gene or glycoprotein g60 gene. The present invention also provides a method for distinguishing chickens or other poultry vaccinated with a recombinant infectious laryngotracheitis virus which produces no glycoprotein gG from those infected with a naturally-occurring infectious laryngotracheitis virus.

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Citation (search report)
• [PXL] WO 9508622 A1 19950330 - SYNTRO CORP [US]
• [A] KONGUSUWAN K. ET AL.: "Nucleotide sequence analysis of an infectious laryngotracheitis virus gene corresponding to the US3 of HSV-1 and a unique gene encoding a 67 kDa protein.", ARCH. VIROL., vol. 140, no. 1, January 1995 (1995-01-01), pages 27 - 39, XP000877135
• [AD] GUO P. ET AL.: "Construction of recombinant avian infectious laryngotracheitis virus expressing the beta-galactosidase gene and DNA sequencing of the insertion region", VIROLOGY, vol. 202, 1994, pages 771 - 781, XP002131399
• [A] ZELNIK V. ET AL.: "The complete sequence and gene organization of the short unique region of herpesvirus of turkeys", J. GEN. VIROL., vol. 74, 1993, pages 2151 - 2162, XP002131400
• [PA] WILD M A ET AL: "A GENOMIC MAP OF INFECTIOUS LARYNGOTRACHEITIS VIRUS AND THE SEQUENCE AND ORGANIZATION OF GENES PRESENT IN THE UNIQUE SHORT AND FLANKING REGIONS", VIRUS GENES,US,KLUWER ACADEMIC PUBLISHERS, BOSTON, vol. 12, no. 2, 1 January 1996 (1996-01-01), pages 107 - 116, XP000645840, ISSN: 0920-8569
• See also references of WO 9629396A1

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