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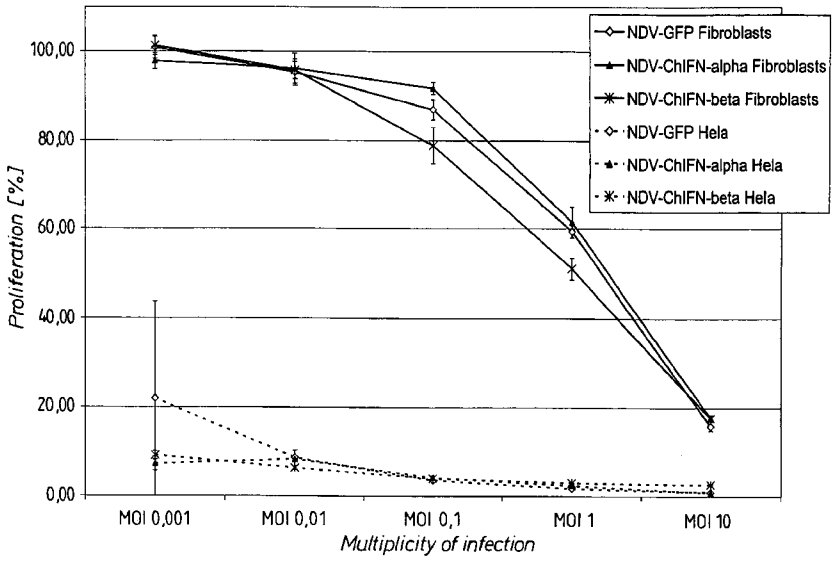
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(54) **Title:** ATTENUATED ONCOLYTIC PARAMYXOVIRUSES ENCODING AVIAN CYTOKINES

Fig.4



(57) **Abstract:** The invention refers to a recombinant oncolytic RNA Newcastle Disease Virus for the treatment of a proliferative disease, comprising at least one transgene coding for an avian cytokine, wherein the recombinant oncolytic RNA Newcastle Disease Virus is obtainable from a velogenic or mesogenic oncolytic RNA Newcastle Disease Virus. Virus-mediated expression of the cytokine in the natural host cells leads to a reduced pathogenicity of the virus for avian species. Furthermore the virus genome can encode binding proteins, prodrug-converting enzymes or/and proteases. The selective expression of these molecules in virus-infected tumor cells increases the anti-tumor effect of the virus.

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