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## **1) CARACTERIZACION DEL GEN LR DE HERPESVIRUS BOVINO TIPO 5 Y SU POTENCIAL NEUROPATHOGENICO.**

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Resumen:

Bovine herpesvirus type 1 and 5 (BoHV-1,BoHV-5) are important pathogens that induce different diseases. BoHV-1 is mainly associated with respiratory syndromes whereas BoHV-5 is highly neuropathogenic. Sequencing data shows that these two viruses are quite similar and most of the differences are located in the first set of genes expressed (Immediate Early genes) and the Latency Related (LR) gene. The LR gene, the only gene expressed during latency, is associated with an antiapoptotic function as suggested by in vitro e in vivo experiments.

The hypothesis of this proposal is that the BoHV-5 LR gene may have an lesser antiapoptotic activity during lytic and reactivation stages of the infection contributing to its neuropathogenic potential.