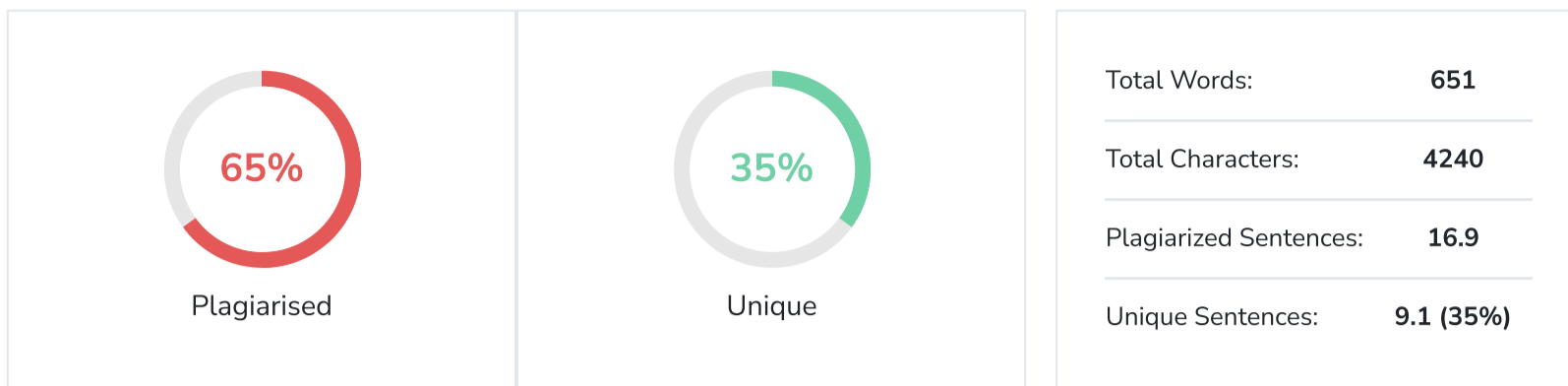


# Plagiarism Scan Report

Report Generated on: May 30,2023



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Detection of scholarly content

#1

Because host immunity is an important contributor to DENV pathogenesis,<sup>5,6</sup> focusing on the interaction between DENV and the host immune response is a promising approach to the development of drugs and vaccines against DENV. The recent discovery of DENV-5 brings the total number of known DENV serotypes to five.<sup>7</sup> These five serotypes belong to the flavivirus genus of the Flaviviridae family. The flavivirus genus includes important arthropod-borne viruses such as West Nile virus (WNV) and Japanese encephalitis virus (JEV). All flaviviruses contain a capped single-stranded RNA genome. In addition to its role as the viral genetic material, the genome functions as an mRNA whose translation yields a polyprotein that is cleaved by host proteases and the viral NS2B/3 protease to produce the structural and nonstructural proteins of the virus (Fig. 1). There are three structural proteins, capsid (C), premembrane/membrane (prM/M), and envelope, and seven nonstructural proteins, NS1, NS2A, NS2B, NS3, NS4A, NS4B, and NS5 (Fig. 1). The nonstructural proteins mediate replication of the viral RNA and antagonism of the host immune response, while the structural proteins encapsulate newly copied viral RNAs into DENV virions. DENV Replication and the Type I IFN Response DENV replicates in a variety of human cell types including endothelial cells, fibroblasts, dendritic cells (DCs), macrophages, and B cells.

#2

A basal component, which can be assessed at rest under thermal neutrality – An activity component linearly related to the intensity of the physical effort involved in carrying out a standard task – A thermal component directly proportional to the heat storage, which originates from both environmental conditions and metabolic heat production Indirect assessment of the thermal strain through heart rate measurement therefore requires previous knowledge of the subject's physical and thermal reactivity (Vogt et al. 1973). 1274 10 V. Candas Sweat Rate Measurement (Agache and Candas 2004a, b) Assessments of the total sweat lost over a time interval can be achieved either by weighing the subject before and after, and eventually adding the quantity of sweat lost in the clothing, or by monitoring the subject's weight. The body mass variation is a reflection of the water losses due to sweating, after taking into account the body mass losses due to respiratory gas exchange and respiratory evaporation. Sweating can sometimes be divided into two parts; first the evaporative rate and second the dripping rate (the latter without cooling efficiency). To do this it is necessary to use two scales, one to measure the total body mass over time, the other to weight the dripped sweat (usually using an oil-containing tub located underneath the subject (Candas et al. 1980)).

#3

La alta prevalencia de anticuerpos frente a BRSV en becerros menores de 12 meses indica que la población bovina ya está expuesta desde edades tempranas al virus, existiendo circulación vírica activa en toda la provincia. Las diferencias entre los niveles de anticuerpos frente a BRSV encontradas en función de la inmunización pueden ser debidas a anticuerpos vacunales. Por otra parte, en la bibliografía hay controversia respecto a la vacunación. Algunos autores reportan que el uso de vacunas inactivadas habría sido ineficaz (Schreiber et al., 2000), mientras que otros afirman que la presencia de lesiones y la carga viral disminuiría considerablemente en terneros Archivos de zootecnia vol. 62, núm. 238, p. 187.

POSADO, BARTOLOMÉ, SAN MIGUEL Y GARCÍA inmunizados con vacuna viva modificada o inactivada (Brodersen, 2010; Ellis et al., 1995, 2001). El uso de vacunas frente a BRSV aún no está extendido y las utilizadas en las explotaciones estudiadas incorporaban una cepa inactivada del virus. Es posible que la presencia residual de anticuerpos vacunales haya sido la causante del alto porcentaje de seropositividad observado, pero, los altos niveles encontrados en adultos no vacunados y jóvenes permiten sospechar la presencia de infección. **CONCLUSIONES** Es posible que la presencia residual de anticuerpos vacunales haya sido la causante del alto porcentaje de seropositividad observado para ambas virosis.

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The recent discovery of DENV-5 brings the total number of known DENV serotypes to five.7 These five serotypes belong to the flavivirus genus of the Flaviviridae family. The flavivirus genus includes important arthropod-borne viruses such as West Nile virus (WNV) and Japanese encephalitis virus (JEV). All <https://www.tandfonline.com/doi/pdf/10.4161/jkst.27715>

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All flaviviruses contain a capped single-stranded RNA genome. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3995738>

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... polyprotein that is cleaved by host proteases and the viral NS2B/3 protease to produce the structural and nonstructural proteins of the virus (Fig. 1). [https://www.researchgate.net/figure/The-DeNv-virion-and-genome-A-DeNv-contains-a-capped-plus-strand-RNA-genome-that-is\\_fig1\\_261957412](https://www.researchgate.net/figure/The-DeNv-virion-and-genome-A-DeNv-contains-a-capped-plus-strand-RNA-genome-that-is_fig1_261957412)

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Jan 21, 2014 · DENV Replication and the Type I IFN Response. DENV replicates in a variety of human cell types including endothelial cells, fibroblasts, dendritic cells (DCs), macrophages, and B cells. 8-13 Infection of these cells leads to activation of the type I interferon (IFN-I or IFN $\alpha/\beta$ ) response, an innate immune mechanism that protects the host ... <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3995738>

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Algunos autores reportan que el uso de vacunas inactivadas habría sido ineficaz (Schreiber et al., 2000), mientras que otros afirman que la presencia de lesiones y la carga viral disminuiría considerablemente en terneros inmunizados con vacuna viva modificada o inactivada (Brodersen, 2010; Ellis et al., 1995, 2001). El uso de vacunas frente a ... [https://scielo.isciii.es/scielo.php?script=sci\\_arttext&pid=S0004-05922013000200003](https://scielo.isciii.es/scielo.php?script=sci_arttext&pid=S0004-05922013000200003)

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