

Sequencing of the structural protein region (ORF2 bis ORF7) of PRRSV1

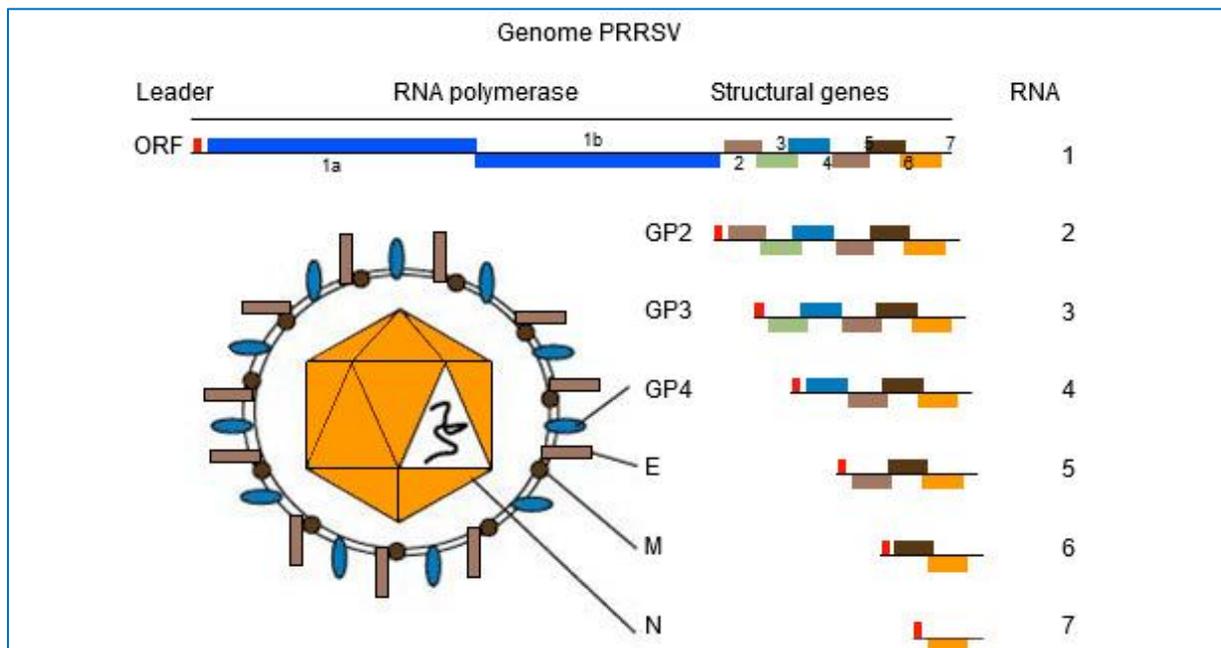


Figure 1

In addition to the established ORF5 sequencing (GP5), sequencing of the entire structural gene range from ORF2 to ORF7 (approx. 3000 bp) of PRRSV1 (according to Brinton et al. J. Gen. Virol. 2021: *Betaarterivirus europensis*, also known as the EU genotype) is now available.

The extended genome range allows for **better detection of potential recombination events** and thus enables a more precise diagnostic classification of the identified sequence type.

Suitable samples include the established range of diagnostic materials, such as **serum, organs, and oral fluid (OF)**. However, the initial PRRSV PCR should ideally have a ct value lower than 28, as otherwise, depending on the quality of the sample, full sequence coverage using the Oxford Nanopore (ONT) method may not always be achieved due to an insufficient viral load.

In such a case, of course, an alternative ORF5 or ORF7 sequencing is available.

You can also find further current information on this topic [here](#):

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Image source:
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