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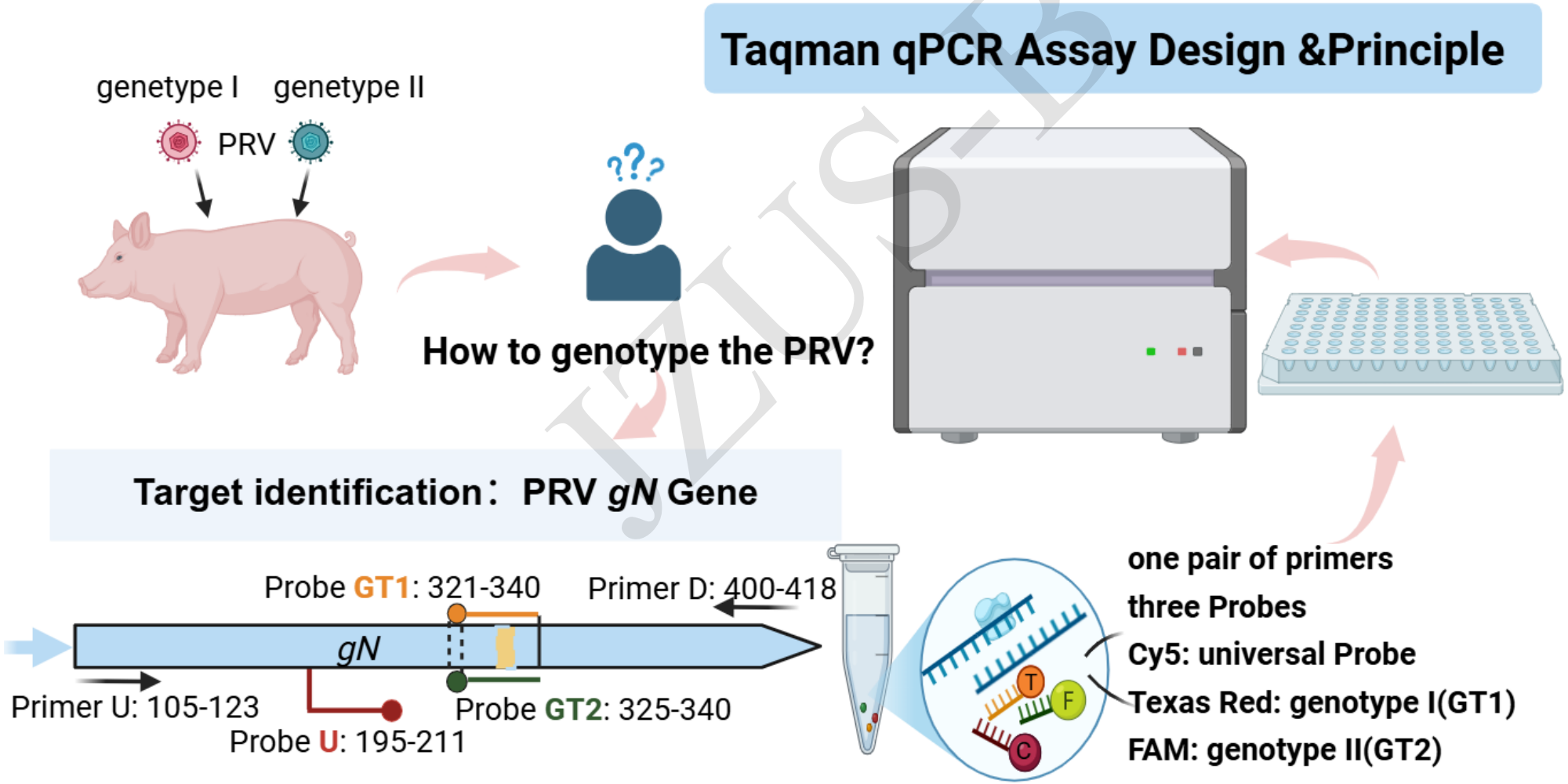
JZUS-B

Development and application of a novel TaqMan qPCR assay targeting the *gN* gene for genotyping pseudorabies virus

Key words: Pseudorabies virus; Glycoprotein N; Taqman qPCR; Genotyping; Detection methods

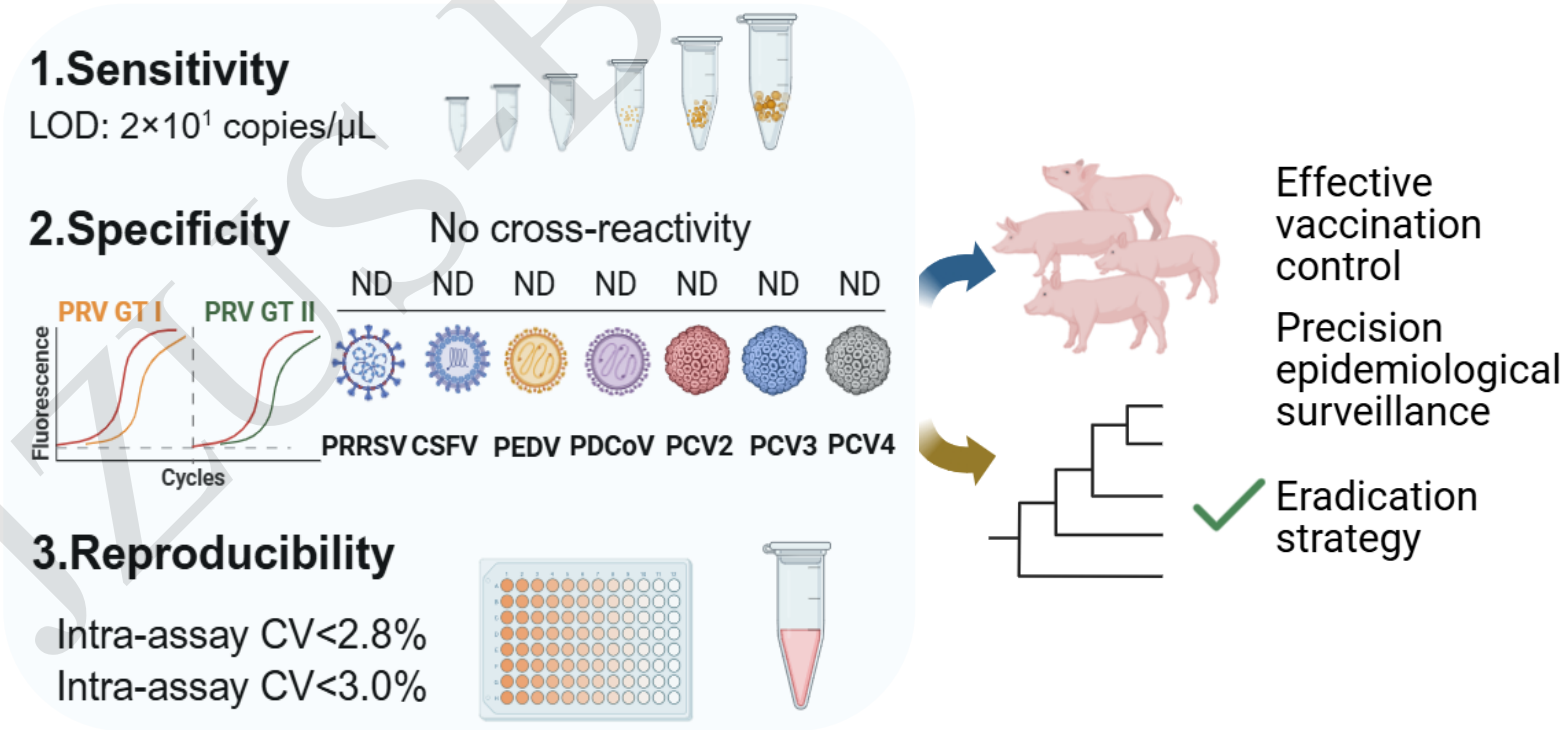
Research Summary

In this study, we developed a triplex TaqMan qPCR assay for the simultaneous detection and genotyping of PRV.



Innovation points

- **Introduction:** PRV genotyping is critical for understanding its epidemiological dynamics and managing the pathogenic potential of different strains.
- **Summary:** The established triplex qPCR assay is characterized by high specificity, sensitivity, reproducibility, and operational simplicity.
- **Conclusion:** This method enables simultaneous PRV identification and genotyping in a single reaction, markedly improving detection efficiency for clinical and epidemiological applications.



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