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Title: Towards a peptide-based suspension array for the detection of pestivirus antibodies in swine

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20 Fimme J. van der Wal: [fimme.vanderwal@wur.nl](mailto:fimme.vanderwal@wur.nl) ; +31 320 238395 ; fax +31 320 23815321 **Highlights**

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23 An immobilized CSFV E2-peptide is recognized by its matching monoclonal antibody.

24 Beads with CSFV E2-peptide can detect antibodies against CSFV in porcine serum.

25 The bead-based CSFV E2 assay does not detect antibodies against other pestiviruses.

26 Proof of concept of a peptide-based assay for pestivirus serology is demonstrated.

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