

SEQUENCE LISTING

<110> PRIONICS AG

<120> Method for the detection and classification of PRRSV-infections in swine herds and diagnostic antigen compositions for such methods

<130> H/PRX-14-WO

<150> EP13002540.6

<151> 2013-05-15

<160> 10

<170> PatentIn version 3.5

<210> 1

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Epitope sequence in GP3 of PRRSV Type I

<400> 1

Ile Cys Met Pro Cys Ser Thr Ser Gln Ala Ala Arg Gly Arg Leu Glu
1 5 10 15

Pro Gly Arg Ser Asn Met Cys Arg Lys Gly His Asp Arg Cys
20 25 30

<210> 2

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Epitope sequence in GP4 of PRRSV Type I

<400> 2

Asp Ile Asn Cys Phe Arg Pro His Gly Val Ser Ala Ala Gln Glu Lys
1 5 10 15

Ile Ser Phe Gly Lys Ser Ser Gln Cys Arg Glu Ala Val Gly Thr Pro
20 25 30

<210> 3

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Epitope sequence in GP3 of PRRSV Type II

<400> 3

Val Cys Pro Pro Cys Leu Thr Arg Gln Ala Ala Thr Glu Ile Tyr Glu
1 5 10 15

Pro Gly Arg Ser Leu Trp Cys Arg Ile Gly Tyr Asp Arg Cys Glu Glu
20 25 30

Asp His Asp Glu Leu Gly Phe Met
35 40

<210> 4
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Epitope sequence in GP4 of PRRSV Type II

<400> 4

Asp Ile Ser Cys Leu Arg His Arg Asp Ser Ala Ser Glu Ala Ile Arg
 1 5 10 15

Lys Ile Pro Gln Cys Arg Thr Ala Ile Gly Thr Pro
 20 25

<210> 5
 <211> 28
 <212> PRT
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<220>
 <223> Epitope sequence in GP3 of Prrsv Type I

<400> 5

Ser Thr Ser Gln Ala Ala Arg Gln Arg Leu Glu Pro Gly Arg Asn Met
 1 5 10 15

Trp Cys Lys Ile Gly His Asp Arg Cys Glu Glu Arg
 20 25

<210> 6
 <211> 17
 <212> PRT
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<220>
 <223> Epitope sequence in GP3 of PRRSV Type I

<400> 6

Ser Thr Ser Gln Ala Ala Arg Gln Arg Leu Glu Pro Gly Arg Asn Met
 1 5 10 15

Trp

<210> 7
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Epitope sequence in GP4 of PRRSV Type I

<400> 7

Phe Arg Pro His Gly Val Ser Ala Ala Gln Glu Lys Ile Ser Phe Gly
 1 5 10 15

Lys Ser Ser

<210> 8
 <211> 20
 <212> PRT
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<220>
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<400> 8

Tyr Glu Pro Gly Arg Ser Leu Trp Cys Arg Ile Gly Tyr Asp Arg Cys
 1 5 10 15
 Gly Glu Asp Asp
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<210> 9
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Epitope sequence in GP3 of PRRSV Type II

<400> 9

Ile Tyr Glu Pro Gly Arg Ser Leu Trp Cys Arg Ile Gly Tyr Asp Arg
 1 5 10 15
 Cys Gly Glu Asp Asp His Asp Glu Leu
 20 25

<210> 10
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Epitope sequence in GP4 of PRRSV Type II

<400> 10

His Arg Asp Ser Ala Ser Glu Ala Ile Arg Lys Ile Pro Gln Cys Arg
 1 5 10 15
 Thr Ala Ile