

SEQUENCE LISTING

<110> BOEHRINGER INGELHEIM VETMEDICA INC

<120> TREATMENT OF PRDC IN PIGS

<130> P01-2174

<160> 11

<170> PatentIn version 3.3

<210> 1

<211> 8

<212> DNA

<213> Artificial

<220>

<223> This is a modified Kozak's sequence.

<400> 1

ccgccatg

8

<210> 2

<211> 6

<212> DNA

<213> Artificial

<220>

<223> This is a recombinant Eco R1 sequence.

<400> 2

gaattc

6

<210> 3

<211> 713

<212> DNA

<213> Porcine circovirus

<400> 3

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<210> 4

<211> 713

<212> DNA

<213> Porcine circovirus

<400> 4

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PhoenixTemp59187.tmp.txt

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<210> 5
 <211> 233
 <212> PRT
 <213> Porcine circovirus

<400> 5

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Arg His Arg Tyr Arg Trp Arg Arg Lys Asn Gly Ile Phe Asn Thr Arg
      35      40      45
Leu Ser Arg Thr Phe Gly Tyr Thr Val Lys Ala Thr Thr Val Thr Thr
      50      55      60
Pro Ser Trp Ala Val Asp Met Met Arg Phe Asn Ile Asp Asp Phe Val
65      70      75      80
Pro Pro Gly Gly Gly Thr Asn Lys Ile Ser Ile Pro Phe Glu Tyr Tyr
      85      90      95
Arg Ile Arg Lys Val Lys Val Glu Phe Trp Pro Cys Ser Pro Ile Thr
      100      105      110
Gln Gly Asp Arg Gly Val Gly Ser Thr Ala Val Ile Leu Asp Asp Asn
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Phe Val Thr Lys Ala Thr Ala Leu Thr Tyr Asp Pro Tyr Val Asn Tyr
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Ser Ser Arg His Thr Ile Pro Gln Pro Phe Ser Tyr His Ser Arg Tyr
145      150      155      160
Phe Thr Pro Lys Pro Val Leu Asp Ser Thr Ile Asp Tyr Phe Gln Pro
      165      170      175
Asn Asn Lys Arg Asn Gln Leu Trp Leu Arg Leu Gln Thr Ser Arg Asn
      180      185      190
Val Asp His Val Gly Leu Gly Thr Ala Phe Glu Asn Ser Lys Tyr Asp
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<210> 6
 <211> 233
 <212> PRT
 <213> Porcine circovirus

<400> 6

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Met Thr Tyr Pro Arg Arg Arg Tyr Arg Arg Arg Arg His Arg Pro Arg
1      5      10      15

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PhoenixTemp59187.tmp.txt

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Pro Ser Trp Ala Val Asp Met Met Arg Phe Asn Ile Asp Asp Phe Val
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Pro Pro Gly Gly Gly Thr Asn Lys Ile Ser Ile Pro Phe Glu Tyr Tyr
85 90 95
Arg Ile Arg Lys Val Lys Val Glu Phe Trp Pro Cys Ser Pro Ile Thr
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Gln Gly Asp Arg Gly Val Gly Ser Thr Ala Val Ile Leu Asp Asp Asn
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Phe Val Thr Lys Ala Thr Ala Leu Thr Tyr Asp Pro Tyr Val Asn Tyr
130 135 140
Ser Ser Arg His Thr Ile Pro Gln Pro Phe Ser Tyr His Ser Arg Tyr
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Val Asp His Val Gly Leu Gly Thr Ala Phe Glu Asn Ser Lys Tyr Asp
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210 215 220
Asn Leu Lys Asp Pro Pro Leu Glu Pro
225 230

<210> 7
<211> 756
<212> DNA
<213> Artificial

<220>
<223> This sequence is from porcine circovirus type 2, open reading
frame 2, together with a portion from the pGEM T-easy vector.

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PhoenixTemp59187.tmp.txt

<210> 8
 <211> 10387
 <212> DNA
 <213> Artificial

<220>
 <223> This is the porcine circovirus type 2, ORF-2construct, which includes baculovirus and pGEM T-easy coding sequences.

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PhoenixTemp59187.tmp.txt

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His Leu Gly Gln
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<210> 10
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 <212> PRT
 <213> Porcine circovirus

<400> 10

PhoenixTemp59187.tmp.txt

Pro Arg His His Tyr Arg Pro Arg Arg Lys Asn Gly Ile Phe Asn Thr
1 5 10 15

Thr Leu Ser

<210> 11
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<212> PRT
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Arg His Arg Tyr Arg Trp Arg Arg Lys Asn Gly Ile Phe Asn Thr Arg
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Leu Ser Arg Thr Phe Gly Tyr Thr Val Lys Ala Thr Thr Val Arg Thr
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Pro Ser Trp Ala Val Asp Met Met Arg Phe Asn Ile Asp Asp Phe Val
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Pro Pro Gly Gly Gly Thr Asn Lys Ile Ser Ile Pro Phe Glu Tyr Tyr
85 90 95

Arg Ile Lys Lys Val Lys Val Glu Phe Trp Pro Cys Ser Pro Ile Thr
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Gln Gly Asp Arg Gly Val Gly Ser Thr Ala Val Ile Leu Asp Asp Asn
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Phe Val Thr Lys Ala Thr Ala Leu Thr Tyr Asp Pro Tyr Val Asn Tyr
130 135 140

Ser Ser Arg His Thr Ile Pro Gln Pro Phe Ser Tyr His Ser Arg Tyr
145 150 155 160

Phe Thr Pro Lys Pro Val Leu Asp Ser Thr Ile Asp Tyr Phe Gln Pro
165 170 175

Asn Asn Lys Arg Asn Gln Leu Trp Leu Arg Leu Gln Thr Ser Arg Asn
180 185 190

Val Asp His Val Gly Leu Gly Thr Ala Phe Glu Asn Ser Ile Tyr Asp
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Gln Asp Tyr Asn Ile Arg Val Thr Met Tyr Val Gln Phe Arg Glu Phe
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Asn Leu Lys Asp Pro Pro Leu Lys Pro
225 230