SEQUENCE LISTING

<110> CUREVAC GMBH

<120> Combination of vaccination and inhibition of the PD-1 pathway

<130> CU01P138WO1

<160> 18

<170> PatentIn version 3.5

<210> 1
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> muag (mutated (alpha-) globin 3' UTR)

<400> 1
gcccgatggg cctcccaacg ggccctcctc ccctccttgc accg 44

<210> 2
<211> 1378
<212> RNA
<213> Artificial Sequence

<220>
<223> mRNA corresponding to artificial DNA construct

<400> 2
gggagaaagc uuaccauggg cagcaucggg gccgcgucga uggaguucug cuucgacgug 60

uucaaggagc ugaaggucca ccacgccaac gagaacaucu ucuacugccc gaucgccauc 120

augagcgcgc ucgccauggu guaccugggc gccaaggaca gcacccggac gcagaucaac 180

aagguggucc gcuucgacaa gcugcccggc uucggggacu cgaucgaggc gcagugcggc 240

accagcguga acgugcacag cucgcuccgg gacauccuga accagaucac caagccgaac 300

gacgucuaca gcuucagccu ggccucgcgg cucuacgccg aggagcgcua cccgauccug 360

cccgaguacc ugcagugcgu gaaggagcuc uaccggggcg ggcuggagcc gaucaacuuc 420

cagacggcgg ccgaccaggc ccgggagcug aucaacagcu ggguggagag ccagaccaac 480

ggcaucaucc gcaacguccu ccagccgucg agcguggaca gccagaccgc gauggugcug 540

gucaacgcca ucguguucaa gggccugugg gagaagacgu ucaaggacga ggacacccag 600

gccaugcccu uccgggugac cgagcaggag ucgaagccgg uccagaugau guaccagauc 660

gggcucuucc ggguggcgag cauggccagc gagaagauga agauccugga gcugccguuc 720

gccucgggca cgaugagcau gcucgugcug cugcccgacg aggucagcgg ccucgagcag 780

cuggagucga ucaucaacuu cgagaagcug accgagugga ccagcagcaa cgugauggag 840

gagcgcaaga ucaaggugua ccucccgcgg augaagaugg aggagaagua caaccugacg 900

ucgguccuga uggcgauggg gaucaccgac guguucagca gcucggccaa ccucagcggc 960

aucagcucgg ccgagagccu gaagaucagc caggcggugc acgccgccca cgcggagauc 1020

aacgaggccg gccgggaggu cguggggucg gccgaggcgg gcguggacgc cgccagcguc 1080

agcgaggagu uccgcgcgga ccacccguuc cuguucugca ucaagcacau cgccaccaac 1140

gccgugcucu ucuucggccg gugcgugucg cccugaccac uaguuauaag acugacuagc 1200

ccgaugggcc ucccaacggg cccuccuccc cuccuugcac cgagauuaau aaaaaaaaaa 1260

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaugcauc 1320

cccccccccc cccccccccc cccccccccc aaaggcucuu uucagagcca ccagaauu 1378

<210> 3
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 3

Arg Arg Arg Arg Arg Arg Arg
1 5

<210> 4
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 4

Arg Arg Arg Arg Arg Arg Arg Arg
1 5

<210> 5
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 5

Arg Arg Arg Arg Arg Arg Arg Arg Arg
1 5

<210> 6
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 6

His His His Arg Arg Arg Arg Arg Arg Arg Arg Arg
1 5 10

<210> 7
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 7

Arg Arg Arg Arg Arg Arg Arg Arg Arg His His His
1 5 10

<210> 8
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 8

His His His Arg Arg Arg Arg Arg Arg Arg Arg His His His
1 5 10 15

<210> 9
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 9

Tyr Ser Ser Arg Arg Arg Arg Arg Arg Arg Arg Ser Ser Tyr
1 5 10 15

<210> 10
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 10

Arg Lys His Arg Lys His Arg Lys His Arg Lys His
1 5 10

<210> 11
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 11

Tyr Arg Lys His Arg Lys His Arg
1 5

<210> 12
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 12

Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg Arg
1 5 10

<210> 13
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 13

His His His His His His Arg Arg Arg Arg Arg Arg Arg Arg Arg His
1 5 10 15

His His His His His
20

<210> 14
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 14

His His His Arg Arg Arg Arg His His His
1 5 10

<210> 15
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 15

His His His His His His Arg Arg Arg Arg His His His His His His
1 5 10 15

<210> 16
<211> 15
<212> PRT
<213> Artificial Sequence

<220>

<223> cationic peptide

<400> 16

Tyr Ser Ser Arg Arg Arg Arg Arg Arg Arg Ser Ser Tyr
1 5 10 15

<210> 17
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 17

Arg Lys His Arg Lys His Arg Lys His Arg Lys His
1 5 10

<210> 18
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> cationic peptide

<400> 18

Tyr Arg Lys His Arg Lys His Arg
1 5