SEQUENCE LISTING

<110> Kistner, et al.

<120> PRODUCTION OF VIRAL VACCINE

<130> 31315/44111A

<150> US-61/122,961
<151> 2008-12-16

<160> 21

<170> PatentIn version 3.5

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gcaggtgcat taacagagga tccggatgaa gggacagccg gagtggagtc tgcagtactg 2100

aggggattct taattttagg caaggaggac aaaaggtatg gaccagcatt gagcatcaat 2160

gaactgagca atcttgcgaa gggggagaaa gctaatgtgc tgatagggca aggtgacgtg 2220

gtgttggtaa tgaaacgaaa acgggactct agcatactta ctgacagcca gacagcgacc 2280

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<210> 9
<211> 1767
<212> DNA
<213> Artificial Sequence

<220>
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ggttgacaca ataatggaaa agaacgtcac tgttacacat gcccaagaca tactggaaaa 180

gacacacaac gggaaactct gcgatctaga tggagtgaag cctctaattt tagagagatt 240

gtagtgtagc tggatggctc ctcgggaacc caatgtgtga cgaattcctc aatgtgccgg 300

aatggtctta catagtggag aagatcaatc cagccaatga cctctgttac ccagggtatt 360

tcaacgacta tgaagaactg aaacacctat tgagcagaat aaaccatttt gagaaaattc 420

agatcatccc caaaagttct tggtcagaca tgaagcctca gcaggggtga gctcagcatg 480

tccataccag ggaaggtcct ccttttttag aaatgtggta tggcttatca aaaaggacaa 540

tgcataccca acaataaaga gaagttacaa taataccaac caagaagatc ttttggtatt 600

gtgggggatt caccatccaa atgatgcggc agagcagaca aggctctatc aaaacccaac 660

tacctatatt tccgttggga catcaacact aaaccagaga ttggtaccaa aaatagccac 720

tagatctaag gtaaacgggc aaagtggaag gatggagttc ttttggacaa ttttaaaacc 780

gaatgatgca ataaactttg agagtaatgg aaatttcatt gctccagaaa atgcatacaa 840

aattgtcaag aaaggggact caacaattat gaaaagtgag ttggaatatg gtaactgcaa 900

caccaagtgt caaactccaa taggggcgat aaactctagt atgccattcc acaacatcca 960

ccctctcacc atcggggaat gccccaaata tgtgaaatca agcagattag tccttgctac 1020

tgggctcaga aatagccctc aaaccgagac ccgaggacta tttggagcta tagcaggttt 1080

tatagaggga ggatggcagg gaatggtaga tggttggtat gggtaccacc atagcaacga 1140

gcaggggagt gggtacgctg cagacaaaga atccactcaa aaggcaatag atggagtcac 1200

caataaggtc aactcgatca ttgacaaaat gaacactcag tttgaggctg ttggaaggga 1260

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agatgtctgg acttataatg ctgaacttct ggttctcatg gaaaatgaga gaactctaga 1380

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aagagaggaa ataagtggag taaaattgga atcaatagga acttaccaaa tactgtcaat 1620

ttattcaaca gtggcgagct ccctagcact ggcaatcatg gtggctggtc tatctttatg 1680

gatgtgctcc aatggatcgt tacaatgcag aatttgcatt taaatttgtg agttcagatt 1740

gtagttaaaa acacccttgt ttctact 1767

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<211> 1398
<212> DNA
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<220>
<223> Synthetic nucleotide

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tcagtcattc aattcagaca gggaatcaat gccaagctga accaatcagc aatactaaat 180

ttcttactga gaaagctgtg gcttcagtaa cattagcggg caattcatct ctttgcccca 240

ttagcggatg ggctgtatac agtaaggaca acagtataag gatcggttcc agggggatg 300

tgtttgttat aagagagccg ttcatctcat gctcccactt ggaatgcaga actttctttt 360

tgactcaggg agccttgctg aatgacaagc actccaatgg gactgtcaaa gacagaagcc 420

ctcacagaac attaatgagt tgtcctgtgg gtgaggctcc ctccccatat aactcaaggt 480

ttgagtctgt tgcttggtca gcaagtgctt gccatgatgg caccagttgg ttgacaattg 540

gaatttctgg tccagacaat ggggctgtgg ctgtattgaa atacaatggc ataataacag 600

acaccatcaa gagttggagg aacaacatac tgagaactca agagtctgaa tgtgcatgtg 660

taaatggctc ttgctttact gtaatgactg atggaccaag tagtgggcag gcatcatata 720

agatcttcaa aatggaaaaa gggaaagtgg ttaaatcagt cgaattggat gctcctaatt 780

atcactatga ggagtgctcc tgttatcctg atgccggcga aatcacatgt gtgtgcaggg 840

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taggatatat atgcagtgga gttttcggag acaatccacg ccccaatgat ggaacaggta 960

gttgtggtcc ggtgttctct aacggggcat atggggtaaa agggttttca ttcaaatacg 1020

gcaatggtgt ttggatcggg agaaccaaaa gcactaattc caggagcggc tttgaaatga 1080

tttgggaccc aaatgggtgg actggaacgg acagtagctt ttcggtgaag caagatatcg 1140

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<220>
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ggttgacaca ataatggaaa agaacgttac tgttacacat gcccaagaca tactggaaaa 180

gacacacaac gggaagctct gcgatctaga tggagtgaag cctctgattt taagagattg 240

tagtgtagct ggatggctcc tcggaaaccc aatgtgtgac gaattcatca atgtgccgga 300

atggtcttac atagtggaga aggccaaccc agccaatgac ctctgttacc cagggaattt 360

caacgactat gaagaactga aacacctatt gagcagaata aaccattttg agaaaattca 420

gatcatcccc aaaagttctt ggtccgatca tgaagcctca tcaggggtga gctcagcatg 480

tccataccag ggaacgccct ccttttcag aaatgtggta tggcttatca aaaagaacaa 540

tacataccca acaataaaga gaagctacaa taataccaac caggaagatc ttttgatact 600

gtgggggatt catcattcta atgatgcggc agagcagaca aagctctatc aaaacccaac 660

cacctatatt tccgttggga catcaacact aaaccagaga ttggtaccaa aaatagctac 720

tagatccaaa gtaaacgggc aaagtggaag gatggatttc ttctggacaa ttttaaaacc 780

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ccctctcacc atcggggaat gccccaaata tgtgaaatca aacaaattag tccttgcgac 1020

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gcaggggagt gggtacgctg cagacaaaga atccactcaa aaggcaatag atggagtcac 1200

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cttccatgat tcaaatgtca agaaccttta cgacaaggtc cgactacagc ttagggataa 1440

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ttattcaaca gttgcgagtt ctctagcact ggcaatcatg gtggctggtc tatctttgtg 1680

gatgtgctcc aatgggtcgt tacaatgcag aatttgcatt taaatttgtg agttcagatt 1740

gtagttaaaa acacccttgt ttctact 1767

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<211> 1397
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic nucleotide

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tcagtcattc aattcaaaca gggaatcaac accaagctga accaatcaga aatgctaatt 180

ttcttactga gaacgctgtg gcttcagtaa cattagcggg caattcatct ctttgccccg 240

ttagaggatg ggctgtacac agtaaagaca acagtataag gattggttcc aaggggatg 300

ttttgttatt agagagccgt tcatctcatg ctcccacttg gaatgcagaa ctttcttttt 360

gactcaggga gccttactga atgacaagca ctccaatggg actgtcaaag acagaagccc 420

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aatttctggc ccagacaatg gggctgtggc tgtattgaaa tacaatggca taataacaga 600

cactatcaag agttggagga acaacatact gagaactcaa gagtctgaat gtgcatgtgt 660

aaatggctct tgctttactg taatgactga tggaccaagt aatgggcagg catcatataa 720

gatcttcaaa atggaaaaag ggaaagtggt taaatcagtc gaattgaatg ctcctaatta 780

tcactatgag gaatgctcct gttatcctga tgctggcgaa atcacatgtg tgtgcaggga 840

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agcaataact gattggtcag gatatagcgg gagttttgtc cagcatccag aactgacagg 1200

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cacaatttgg actagtggga gcagcatatc tttttgtggt gtaaatagtg acactgtgag 1320

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<220>
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<400> 13

Arg Glu Arg Arg Arg Lys Lys Arg
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<210> 14
<211> 4
<212> PRT
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<220>
<223> Synthetic peptide

<400> 14

Thr Glu Thr Arg
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<210> 15
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<220>
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<400> 15

Arg Arg Arg Lys
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<210> 16
<211> 18
<212> PRT
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<220>
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<400> 16

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Ala Ile

<210> 17
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<400> 17

Asn Thr Pro Gln Thr Glu Thr Arg Gly Leu Phe Gly Ala Ile
1 5 10

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

<220>
<223> Synthetic peptide

<400> 18

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1 5 10 15

Ala Ile

<210> 19
<211> 14
<212> PRT
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<220>
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<400> 19

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1 5 10

<210> 20
<211> 18
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<400> 20

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Ala Ile

<210> 21
<211> 4
<212> PRT
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<400> 21

Arg Arg Lys Lys
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