Fig 1-

% Frequency of Replikins in Various Protein Groups

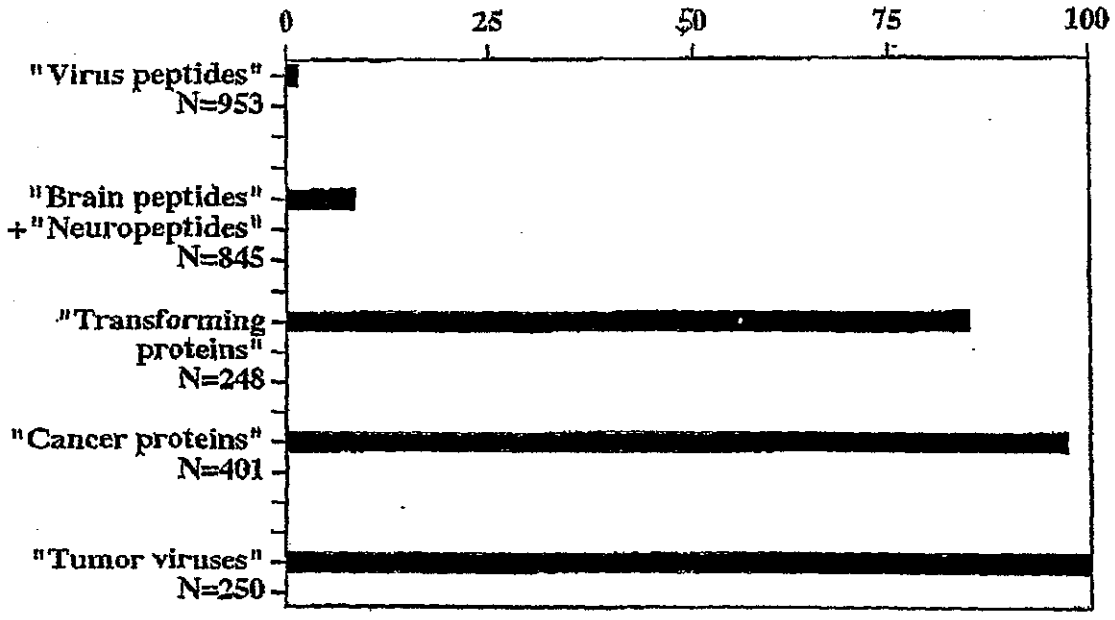


Figure 2- Enrichment of Malignin During Anaerobic Replication of Glioblastoma (Glioma) Cells

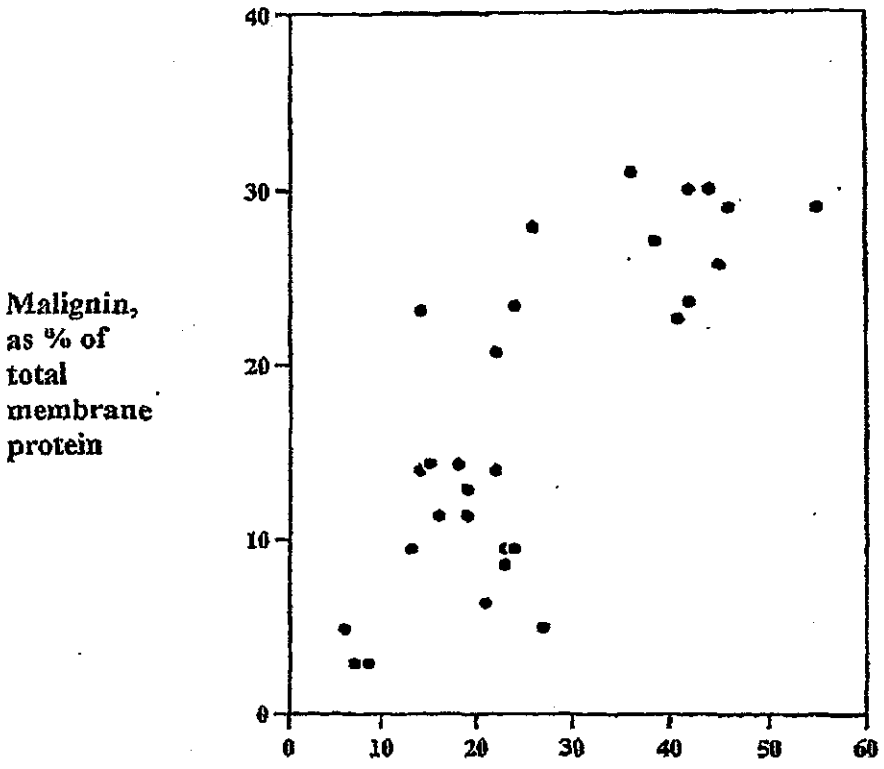
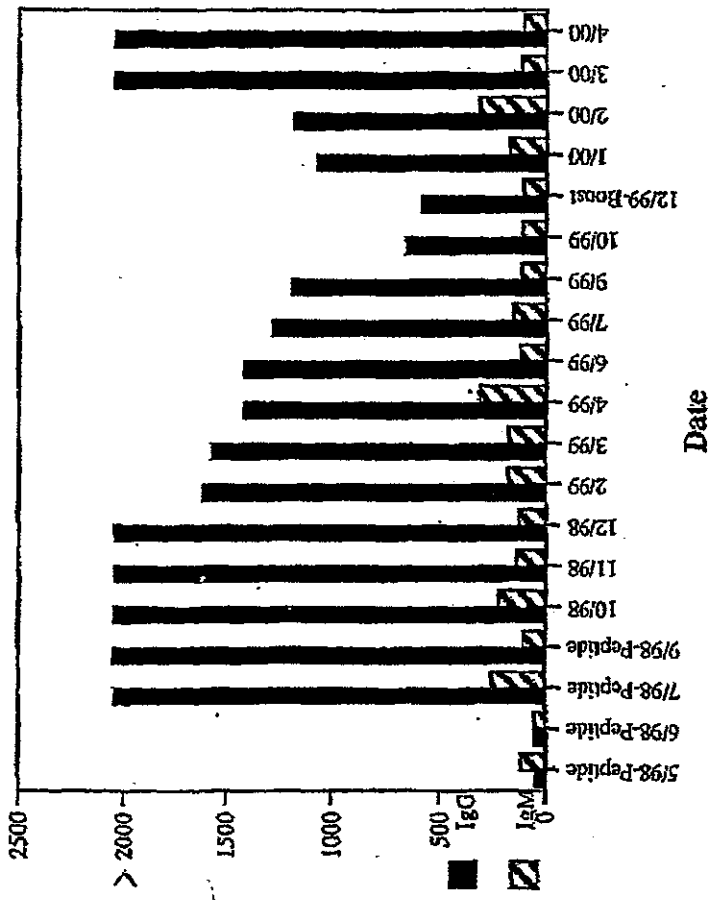


Figure 3 - Production of Antimalignin Antibody in Response To Synthetic Malignin Peptide ykagvaflhkkndide



IgM, ug/ml

IgG, the reciprocal x10 of the serum dilution that results in an OD405 of 0.2

Figure 4 – Specificity of Binding and Cytotoxicity of Anti-Mucin Antibody to Leukemic, Brain Glioma, and Small Cell Lung Carcinoma C

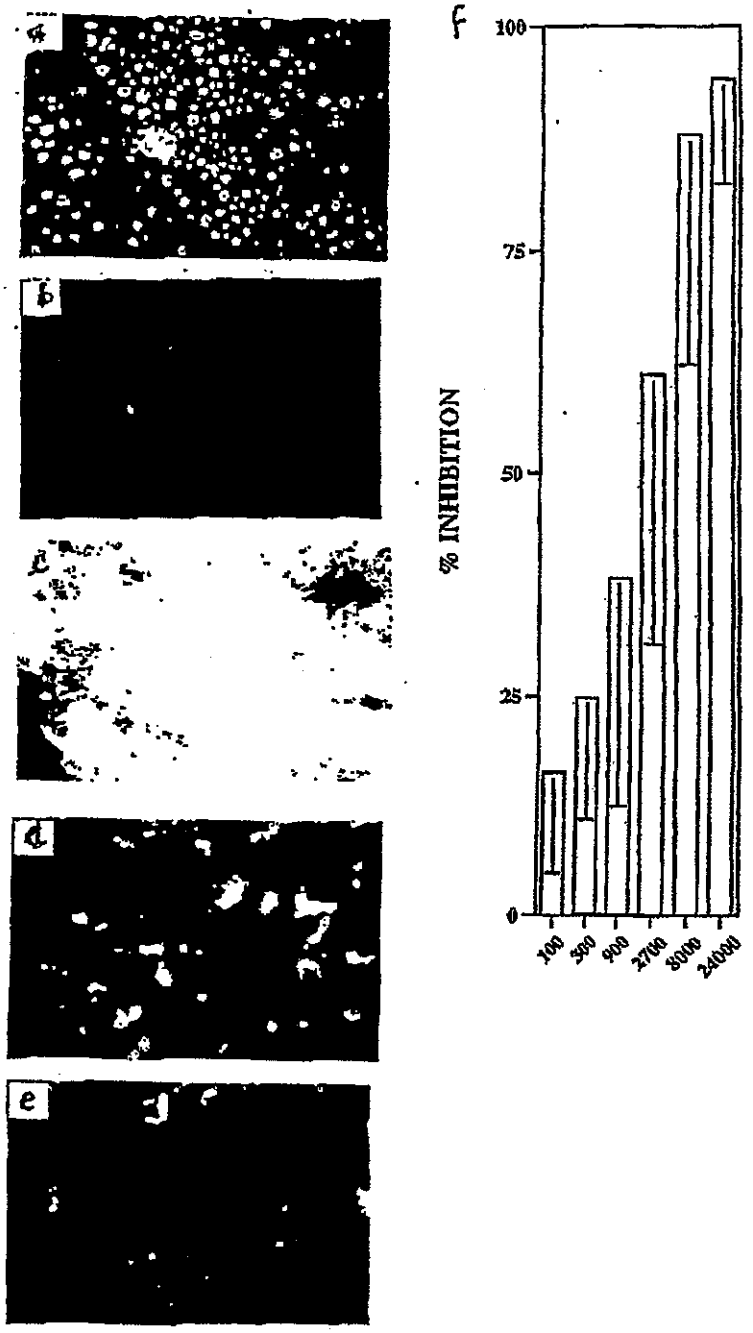
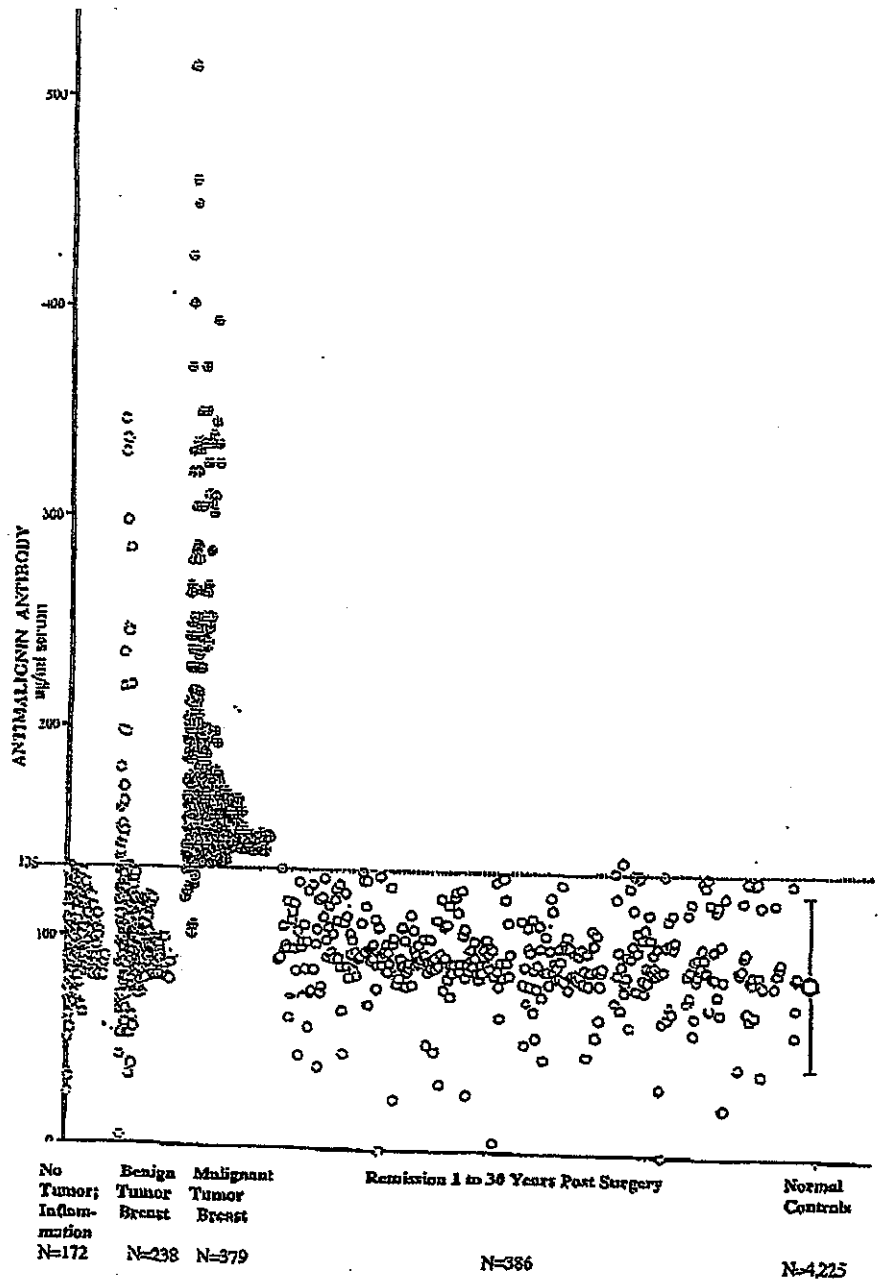


Figure 5:
Antimalignin Antibody in Benign and Malignant Breast Disease and Post Surgery



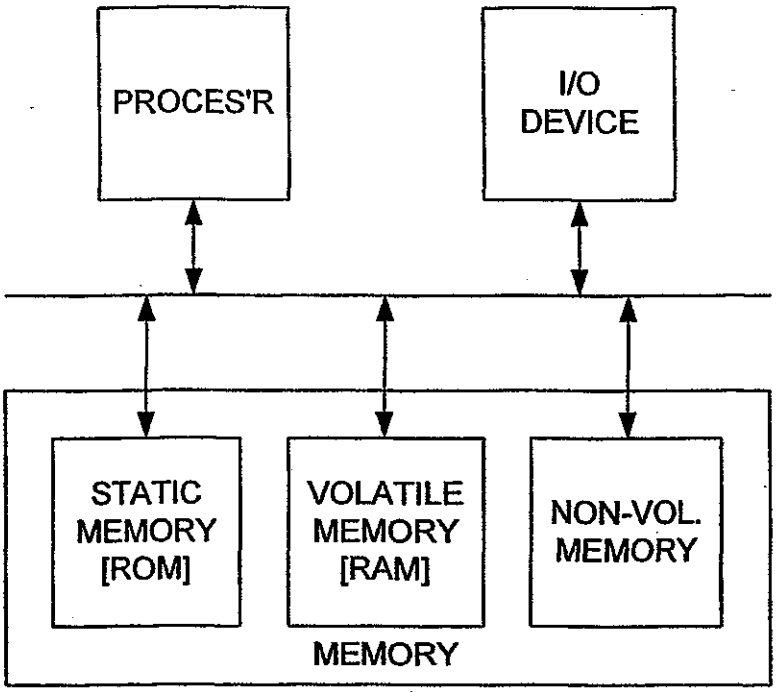

PROCES'R
I/O DEVICE
STATIC MEMORY [ROM]
VOLATILE MEMORY [RAM]
NON-VOL. MEMORY
MEMORY

FIG. 6

Figure 7

Relation of Replikin Concentration to Pandemics (P) and Epidemics (E) In Four Major Strains of Influenza Virus, 1902-2001

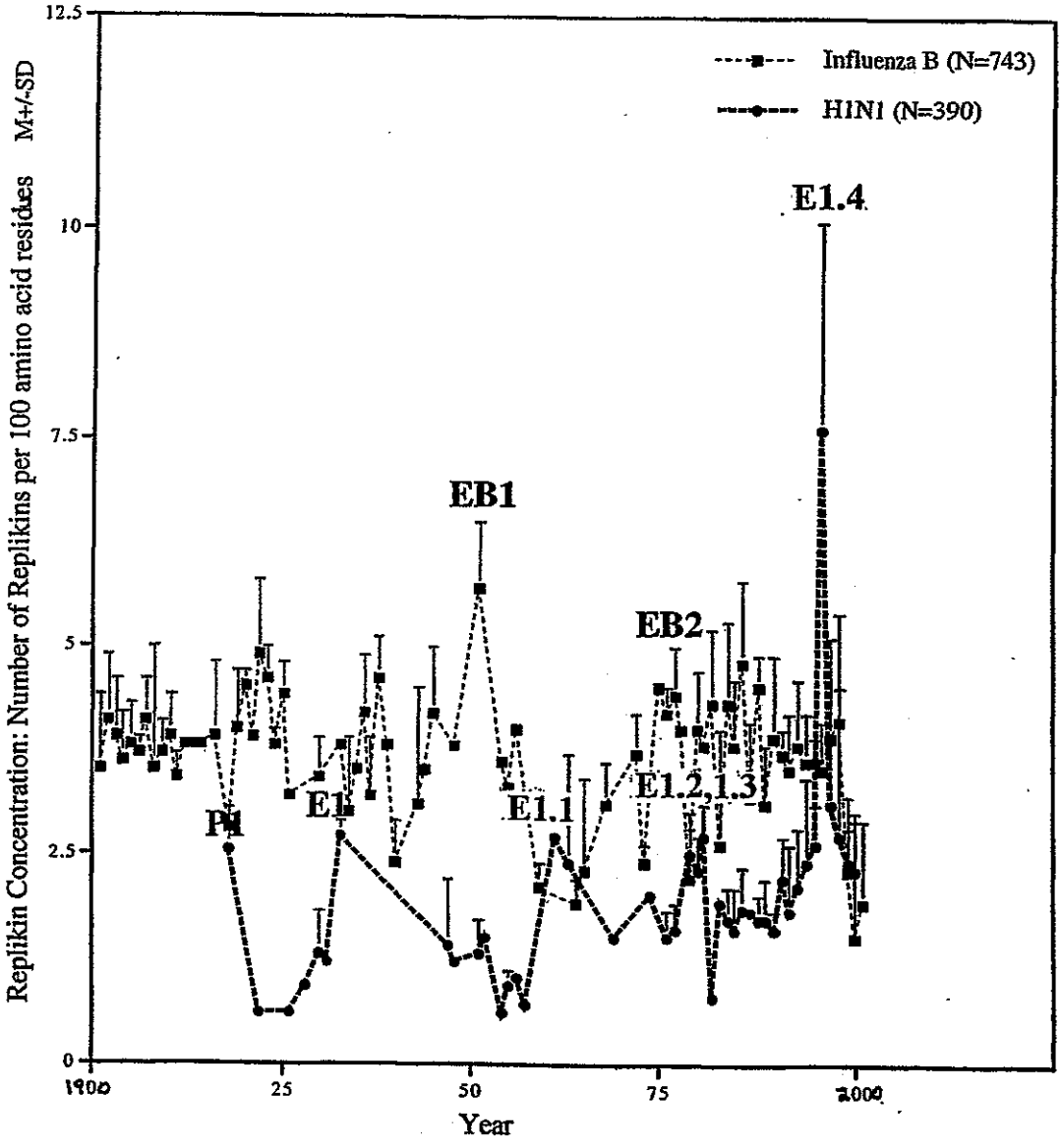
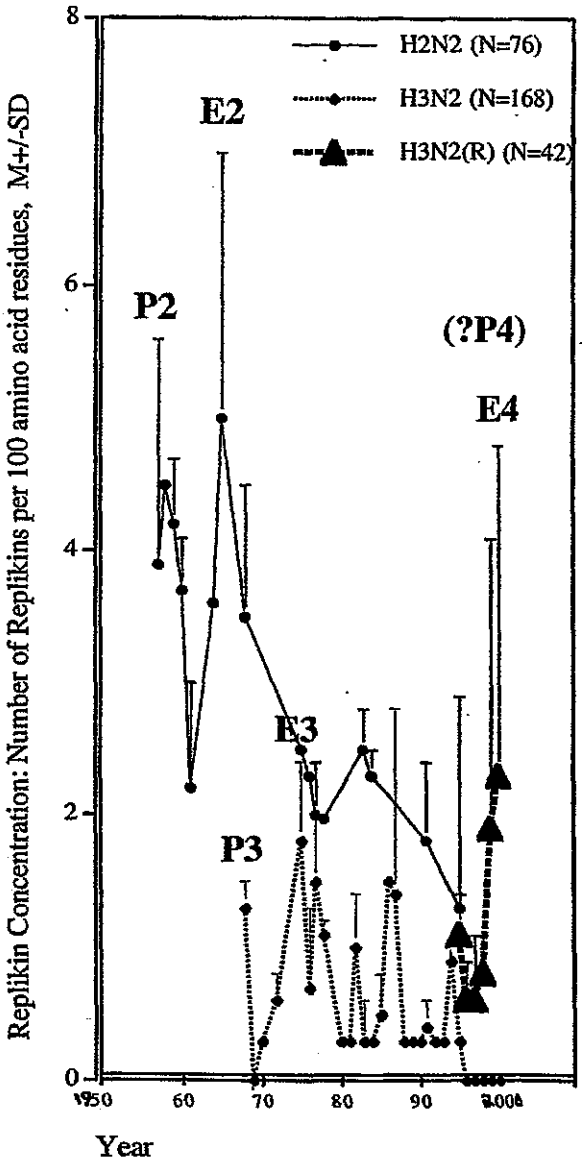


Figure 8

Relation of Replikin Concentration to Pandemics (P) and Epidemics (E) In Four Major Strains of Influenza Virus, 1902-2001



15 SEP 2005

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BOGOCH, ELENORE S.

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<212> PRT
<213> Influenza B virus

<400> 116
His Ser Asp Asn Glu Ile Gln Met Val Lys Leu Tyr Gly Asp Ser Lys
1 5 10 15

<210> 117
<211> 21
<212> PRT
<213> Influenza B virus

<400> 117
His Ser Asp Asn Glu Ile Gln Asp Lys Met Val Lys Leu Tyr Gly Asp
1 5 10 15

Ser Lys Pro Gln Lys
20

<210> 118
<211> 19
<212> PRT
<213> Influenza B virus

<400> 118
His Ser Asp Asn Glu Ile Gln Met Val Lys Leu Tyr Gly Asp Ser Lys
1 5 10 15

Pro Gln Lys

<210> 119
<211> 9
<212> PRT
<213> Influenza B virus

<220>
<221> MOD_RES
<222> (2)
<223> ala or val

<400> 119
Lys Xaa Ser Ile Leu His Glu Val Lys
1 5

<210> 120
<211> 15
<212> PRT
<213> Influenza B virus

<400> 120
Lys Cys Thr Gly Thr Ile Pro Ser Ala Lys Ala Ser Ile Leu His
1 5 10 15

<210> 121
<211> 18
<212> PRT
<213> Influenza B virus

<400> 121
Lys Cys Thr Gly Thr Ile Pro Ser Ala Lys Ala Ser Ile Leu His Glu
1 5 10 15

Val Lys

<210> 122
<211> 16
<212> PRT
<213> Influenza B virus

<400> 122
Lys Tyr Gly Gly Leu Asn Lys Ser Lys Pro Tyr Tyr Thr Gly Glu His
1 5 10 15

<210> 123
<211> 26
<212> PRT

<213> Influenza B virus

<400> 123
Lys Val Trp Cys Ala Ser Gly Arg Ser Lys Val Ile Lys Gly Ser Leu
1 5 10 15

Pro Leu Ile Gly Glu Ala Asp Cys Leu His
20 25

<210> 124
<211> 10
<212> PRT
<213> Influenza B virus

<400> 124
Lys Pro Tyr Tyr Thr Gly Glu His Ala Lys
1 5 10

<210> 125
<211> 18
<212> PRT
<213> Influenza B virus

<400> 125
Lys Cys Met Gly Thr Ile Pro Ser Ala Lys Ala Ser Ile Leu His Glu
1 5 10 15

Val Lys

<210> 126
<211> 15
<212> PRT
<213> Influenza B virus

<400> 126
His Asn Val Ile Asn Ala Glu Lys Ala Pro Gly Gly Pro Tyr Lys
1 5 10 15

<210> 127
<211> 16
<212> PRT
<213> Influenza B virus

<400> 127
His Ser Asp Asn Glu Thr Gln Met Ala Lys Leu Tyr Gly Asp Ser Lys
1 5 10 15

<210> 128
<211> 18
<212> PRT
<213> Influenza B virus

<400> 128
His Gly Val Ala Val Ala Ala Asp Leu Lys Ser Thr Gln Glu Ala Ile
1 5 10 15

Asn Lys

<210> 129
<211> 29
<212> PRT
<213> Influenza B virus

<400> 129
His Gly Val Ala Val Ala Ala Asp Leu Lys Ser Thr Gln Glu Ala Ile
1 5 10 15

Asn Lys Asp Thr Ile Ser Thr Gln Glu Ala Ile Asn Lys
20 25

<210> 130
<211> 21
<212> PRT
<213> Influenza B virus

<400> 130
Lys Leu Tyr Gly Asp Ser Lys Pro Gln Lys Phe Thr Ser Ser Ala Asn
1 5 10 15

Gly Val Thr Thr His
20

<210> 131
<211> 19
<212> PRT
<213> Influenza B virus

<400> 131
His Ser Asp Asn Glu Thr Gln Met Ala Lys Leu Tyr Gly Asp Ser Lys
1 5 10 15

Pro Gln Lys

<210> 132
<211> 13
<212> PRT
<213> Influenza B virus

<400> 132
His Phe Ala Asn Leu Lys Gly Thr Gln Thr Arg Gly Lys
1 5 10

<210> 133
<211> 12

<212> PRT
<213> Influenza B virus

<400> 133
Lys Pro Arg Ser Ala Leu Lys Cys Lys Gly Phe His
1 5 10

<210> 134
<211> 22
<212> PRT
<213> Influenza B virus

<220>
<221> MOD_RES
<222> (15)
<223> gly or ala

<400> 134
Lys Ser Lys Pro Tyr Tyr Thr Gly Glu His Ala Lys Ala Ile Xaa Asn
1 5 10 15

Cys Pro Ile Trp Val Lys
20

<210> 135
<211> 16
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (3)
<223> val or ile

<220>
<221> MOD_RES
<222> (13)
<223> arg or lys

<220>
<221> MOD_RES
<222> (14)
<223> ser or thr

<220>
<221> MOD_RES
<222> (15)
<223> thr or ala

<400> 135
His Pro Xaa Thr Ile Gly Glu Cys Pro Lys Tyr Val Xaa Xaa Xaa Lys
1 5 10 15

<210> 136
<211> 21

<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (10)
<223> glu or gly

<220>
<221> MOD_RES
<222> (13)
<223> lys or arg

<220>
<221> MOD_RES
<222> (14)
<223> asn or ser

<220>
<221> MOD_RES
<222> (17)
<223> lys or arg

<400> 136
His Asp Ser Asn Val Lys Asn Leu Tyr Xaa Lys Val Xaa Xaa Gln Leu
1 5 10 15

Xaa Asn Asn Ala Lys
20

<210> 137
<211> 17
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (10)
<223> glu or gly

<220>
<221> MOD_RES
<222> (13)
<223> lys or arg

<220>
<221> MOD_RES
<222> (14)
<223> asn or ser

<400> 137
His Asp Ser Asn Val Lys Asn Leu Tyr Xaa Lys Val Xaa Xaa Gln Leu
1 5 10 15

Lys

<210> 138
<211> 36
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (4)..(5)
<223> asn or asp

<220>
<221> MOD_RES
<222> (6)
<223> ala, thr or glu

<220>
<221> MOD_RES
<222> (12)
<223> arg or lys

<220>
<221> MOD_RES
<222> (31)
<223> glu or lys

<400> 138
His Lys Cys Xaa Xaa Xaa Cys Met Glu Ser Val Xaa Asn Gly Thr Tyr
1 5 10 15

Asp Tyr Pro Lys Tyr Ser Glu Glu Ser Lys Leu Asn Arg Glu Xaa Ile
20 25 30

Asp Gly Val Lys
35

<210> 139
<211> 26
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (4)..(5)
<223> asn or asp

<220>
<221> MOD_RES
<222> (6)
<223> ala, thr or glu

<220>
<221> MOD_RES
<222> (12)
<223> arg or lys

<400> 139
His Lys Cys Xaa Xaa Xaa Cys Met Glu Ser Val Xaa Asn Gly Thr Tyr
1 5 10 15

Asp Tyr Pro Lys Tyr Ser Glu Glu Ser Lys
20 25

<210> 140
<211> 50
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (4)
<223> glu or gly

<220>
<221> MOD_RES
<222> (21)
<223> asp or asn

<400> 140
His Gln Asn Xaa Gln Gly Ser Gly Tyr Ala Ala Asp Gln Lys Ser Thr
1 5 10 15

Gln Asn Ala Ile Xaa Gly Ile Thr Asn Lys Val Asn Ser Val Ile Glu
20 25 30

Lys Met Asn Thr Gln Phe Thr Ala Val Gly Lys Glu Phe Asn Lys Leu
35 40 45

Glu Lys
50

<210> 141
<211> 33
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (4)
<223> glu or gly

<220>
<221> MOD_RES
<222> (21)
<223> asp or asn

<400> 141
His Gln Asn Xaa Gln Gly Ser Gly Tyr Ala Ala Asp Gln Lys Ser Thr
1 5 10 15

Gln Asn Ala Ile Xaa Gly Ile Thr Asn Lys Val Asn Ser Val Ile Glu
20 25 30

Lys

<210> 142
<211> 26
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (4)
<223> glu or gly

<220>
<221> MOD_RES
<222> (21)
<223> asp or asn

<400> 142
His Gln Asn Xaa Gln Gly Ser Gly Tyr Ala Ala Asp Gln Lys Ser Thr
1 5 10 15

Gln Asn Ala Ile Xaa Gly Ile Thr Asn Lys
20 25

<210> 143
<211> 14
<212> PRT
<213> Influenza virus

<400> 143
Lys Phe Glu Ile Phe Pro Lys Thr Ser Ser Trp Pro Asn His
1 5 10

<210> 144
<211> 27
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (3)
<223> asn, ser or thr

<220>
<221> MOD_RES
<222> (9)
<223> asn or ser

<220>
<221> MOD_RES
<222> (13)
<223> val or thr

<400> 144
Lys Gly Xaa Ser Tyr Pro Lys Leu Xaa Lys Ser Tyr Xaa Asn Asn Lys
1 5 10 15

Gly Lys Glu Val Leu Val Leu Trp Gly Val His
20 25

<210> 145
<211> 18
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (4)
<223> val or thr

<400> 145
Lys Ser Tyr Xaa Asn Asn Lys Gly Lys Glu Val Leu Val Leu Trp Gly
1 5 10 15

Val His

<210> 146
<211> 36
<212> PRT
<213> Influenza virus

<400> 146
His Lys Cys Asn Asn Glu Cys Met Glu Ser Val Lys Asn Gly Thr Tyr
1 5 10 15

Asp Tyr Pro Lys Tyr Ser Glu Glu Ser Lys Leu Asn Arg Glu Lys Ile
20 25 30

Asp Gly Val Lys
35

<210> 147
<211> 26
<212> PRT
<213> Influenza virus

<400> 147
His Lys Cys Asn Asn Glu Cys Met Glu Ser Val Lys Asn Gly Thr Tyr
1 5 10 15

Asp Tyr Pro Lys Tyr Ser Glu Glu Ser Lys
20 25

<210> 148
<211> 20
<212> PRT
<213> Influenza virus

<400> 148
His Lys Cys Asn Asn Glu Cys Met Glu Ser Val Lys Asn Gly Thr Tyr
1 5 10 15

Asp Tyr Pro Lys
20

<210> 149
<211> 12
<212> PRT
<213> Influenza virus

<400> 149
His Lys Cys Asn Asn Glu Cys Met Glu Ser Val Lys
1 5 10

<210> 150
<211> 34
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (9)
<223> lys or arg

<220>
<221> MOD_RES
<222> (16)
<223> glu or gly

<400> 150
His Asn Gly Lys Ser Ser Phe Tyr Xaa Asn Leu Leu Trp Leu Thr Xaa
1 5 10 15

Lys Asn Gly Leu Tyr Pro Asn Leu Ser Lys Ser Tyr Val Asn Asn Lys
20 25 30

Glu Lys

<210> 151
<211> 32
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (9)
<223> lys or arg

<220>
<221> MOD_RES
<222> (16)
<223> glu or gly

<400> 151
His Asn Gly Lys Ser Ser Phe Tyr Xaa Asn Leu Leu Trp Leu Thr Xaa
1 5 10 15

Lys Asn Gly Leu Tyr Pro Asn Leu Ser Lys Ser Tyr Val Asn Asn Lys
20 25 30

<210> 152
<211> 26
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (9)
<223> lys or arg

<220>
<221> MOD_RES
<222> (16)
<223> glu or gly

<400> 152
His Asn Gly Lys Ser Ser Phe Tyr Xaa Asn Leu Leu Trp Leu Thr Xaa
1 5 10 15

Lys Asn Gly Leu Tyr Pro Asn Leu Ser Lys
20 25

<210> 153
<211> 17
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (9)
<223> lys or arg

<220>
<221> MOD_RES
<222> (16)
<223> glu or gly

<400> 153
His Asn Gly Lys Ser Ser Phe Tyr Xaa Asn Leu Leu Trp Leu Thr Xaa
1 5 10 15

Lys

<210> 154
<211> 40
<212> PRT
<213> Influenza virus

<400> 154
Lys Ser Ser Phe Tyr Lys Asn Leu Leu Trp Leu Thr Glu Lys Asn Gly
1 5 10 15

Leu Tyr Pro Asn Leu Ser Lys Ser Tyr Val Asn Asn Lys Glu Lys Glu
20 25 30

Val Leu Val Leu Trp Gly Val His
35 40

<210> 155
<211> 35
<212> PRT
<213> Influenza virus

<400> 155
Lys Asn Leu Leu Trp Leu Thr Glu Lys Asn Gly Leu Tyr Pro Asn Leu
1 5 10 15

Ser Lys Ser Tyr Val Asn Asn Lys Glu Lys Glu Val Leu Val Leu Trp
20 25 30

Gly Val His
35

<210> 156
<211> 27
<212> PRT
<213> Influenza virus

<400> 156
Lys Asn Gly Leu Tyr Pro Asn Leu Ser Lys Ser Tyr Val Asn Asn Lys
1 5 10 15

Glu Lys Glu Val Leu Val Leu Trp Gly Val His
20 25

<210> 157
<211> 18
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (4)
<223> val or ala

<220>
<221> MOD_RES
<222> (12)
<223> lys or not present

<220>
<221> MOD_RES

<222> (13)
<223> val or not present

<400> 157
Lys Ser Tyr Xaa Asn Asn Lys Glu Lys Glu Val Xaa Xaa Leu Trp Gly
1 5 10 15

Val His

<210> 158
<211> 12
<212> PRT
<213> Influenza virus

<400> 158
Lys Glu Ser Ser Trp Pro Asn His Thr Val Thr Lys
1 5 10

<210> 159
<211> 44
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (4)
<223> thr or asn

<400> 159
His Glu Thr Xaa Lys Gly Val Thr Ala Ala Cys Pro Tyr Ala Gly Ala
1 5 10 15

Ser Ser Phe Tyr Arg Asn Leu Leu Trp Leu Val Lys Lys Glu Asn Ser
20 25 30

Tyr Pro Lys Leu Ser Lys Ser Tyr Val Asn Asn Lys
35 40

<210> 160
<211> 38
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (4)
<223> thr or asn

<400> 160
His Glu Thr Xaa Lys Gly Val Thr Ala Ala Cys Pro Tyr Ala Gly Ala
1 5 10 15

Ser Ser Phe Tyr Arg Asn Leu Leu Trp Leu Val Lys Lys Glu Asn Ser
20 25 30

Tyr Pro Lys Leu Ser Lys
35

<210> 161
<211> 22
<212> PRT
<213> Influenza virus

<400> 161
Lys Phe Glu Ile Phe Pro Lys Thr Ser Ser Trp Pro Asn Glu Val Leu
1 5 10 15

Val Leu Trp Gly Val His
20

<210> 162
<211> 8
<212> PRT
<213> Influenza virus

<400> 162
Lys Glu Arg Ser Trp Pro Lys His
1 5

<210> 163
<211> 21
<212> PRT
<213> Influenza virus

<400> 163
Lys Leu Ser Lys Ser Tyr Val Asn Asn Lys Glu Lys Glu Val Leu Val
1 5 10 15

Leu Trp Gln Val His
20

<210> 164
<211> 15
<212> PRT
<213> Influenza virus

<400> 164
Lys Asn Asn Lys Glu Lys Glu Val Leu Val Leu Trp Gln Val His
1 5 10 15

<210> 165
<211> 34
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (2)

<223> lys or asn

<220>
<221> MOD_RES
<222> (3)
<223> gly or gln

<220>
<221> MOD_RES
<222> (9)
<223> arg or lys

<220>
<221> MOD_RES
<222> (20)
<223> lys or ser

<220>
<221> MOD_RES
<222> (23)
<223> asn or thr

<400> 165
His Xaa Xaa Lys Ser Ser Phe Tyr Xaa Asn Leu Leu Trp Leu Thr Glu
1 5 10 15

Lys Asn Gly Xaa Tyr Pro Xaa Leu Ser Lys Ser Tyr Ala Asn Asn Lys
20 25 30

Glu Lys

<210> 166
<211> 17
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (2)
<223> lys or asn

<220>
<221> MOD_RES
<222> (3)
<223> gly or gln

<220>
<221> MOD_RES
<222> (9)
<223> arg or lys

<400> 166
His Xaa Xaa Lys Ser Ser Phe Tyr Xaa Asn Leu Leu Trp Leu Thr Glu
1 5 10 15

Lys

<210> 167
<211> 9
<212> PRT
<213> Influenza virus

<400> 167
His Ala Lys Lys Ser Ser Phe Tyr Lys
1 5

<210> 168
<211> 11
<212> PRT
<213> Influenza virus

<400> 168
His Asn Gly Lys Leu Cys Arg Leu Lys Gly Lys
1 5 10

<210> 169
<211> 9
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (7)
<223> gln or gly

<400> 169
His Tyr Lys Leu Asn Asn Xaa Lys Lys
1 5

<210> 170
<211> 25
<212> PRT
<213> Influenza virus

<400> 170
His Asp Ile Tyr Arg Asp Glu Ala Ile Asn Asn Arg Phe Gln Ile Gln
1 5 10 15

Gly Val Lys Leu Thr Gln Gly Tyr Lys
20 25

<210> 171
<211> 11
<212> PRT
<213> Influenza virus

<400> 171
Lys Gly Asn Gly Cys Phe Glu Ile Phe His Lys
1 5 10

<210> 172
<211> 18
<212> PRT
<213> Influenza virus

<400> 172
Lys Leu Asn Arg Leu Ile Glu Lys Thr Asn Asp Lys Tyr His Gln Ile
1 5 10 15

Glu Lys

<210> 173
<211> 14
<212> PRT
<213> Influenza virus

<400> 173
Lys Leu Asn Arg Leu Ile Glu Lys Thr Asn Asp Lys Tyr His
1 5 10

<210> 174
<211> 13
<212> PRT
<213> Influenza virus

<400> 174
Lys Cys His Thr Asp Lys Gly Ser Leu Ser Thr Thr Lys
1 5 10

<210> 175
<211> 16
<212> PRT
<213> Influenza virus

<400> 175
Lys Ile Asn Asn Gly Asp Tyr Ala Lys Leu Tyr Ile Trp Gly Val His
1 5 10 15

<210> 176
<211> 17
<212> PRT
<213> Influenza virus

<400> 176
His Asn Gly Lys Leu Cys Arg Lys Gly Ile Ala Pro Leu Gln Leu Gly
1 5 10 15

Lys

<210> 177
<211> 38
<212> PRT

<213> Influenza virus

<400> 177
His Glu Thr Asn Arg Gln Val Thr Ala Ala Cys Pro Tyr Ala Gly Ala
1 5 10 15

Asn Ser Phe Phe Arg Asn Leu Ile Trp Leu Val Lys Lys Glu Ser Ser
20 25 30

Tyr Pro Lys Leu Ser Lys
35

<210> 178
<211> 35
<212> PRT
<213> Influenza virus

<400> 178
His Glu Thr Asn Arg Gln Val Thr Ala Ala Cys Pro Tyr Ala Gly Ala
1 5 10 15

Asn Ser Phe Phe Arg Asn Leu Ile Trp Leu Val Lys Lys Glu Ser Ser
20 25 30

Tyr Pro Lys
35

<210> 179
<211> 31
<212> PRT
<213> Influenza virus

<400> 179
His Pro Pro Thr Ser Thr Asp Gln Gln Ser Leu Tyr Gln Asn Ala Asp
1 5 10 15

Ala Tyr Ile Phe Val Gly Ser Ser Lys Tyr Asn Arg Lys Phe Lys
20 25 30

<210> 180
<211> 35
<212> PRT
<213> Influenza virus

<400> 180
His Pro Pro Thr Ser Thr Asp Gln Gln Ser Leu Tyr Gln Asn Ala Asp
1 5 10 15

Ala Tyr Ile Phe Val Gly Ser Ser Lys Tyr Asn Arg Lys Phe Lys Pro
20 25 30

Glu Ile Ala
35

<210> 181
<211> 25
<212> PRT
<213> Influenza virus

<400> 181
His Asp Ile Tyr Arg Asp Glu Ala Ile Asn Asn Arg Phe Gln Ile Gln
1 5 10 15

Gly Val Lys Ile Thr Gln Gly Tyr Lys
20 25

<210> 182
<211> 43
<212> PRT
<213> Influenza virus

<400> 182
His Gln Asn Glu Gln Gly Ser Gly Tyr Ala Ala Asp Gln Lys Ser Thr
1 5 10 15

Gln Asn Ala Ile Asp Gly Ile Thr Asn Lys Val Asn Ser Val Ile Glu
20 25 30

Lys Met Asn Thr Gln Phe Thr Ala Val Gly Lys
35 40

<210> 183
<211> 33
<212> PRT
<213> Influenza virus

<400> 183
His Gln Asn Glu Gln Gly Ser Gly Tyr Ala Ala Asp Gln Lys Ser Thr
1 5 10 15

Gln Asn Ala Ile Asp Gly Ile Thr Asn Lys Val Asn Ser Val Ile Glu
20 25 30

Lys

<210> 184
<211> 50
<212> PRT
<213> Influenza virus

<400> 184
His Gln Asn Glu Gln Gly Ser Gly Tyr Ala Ala Asp Gln Lys Ser Thr
1 5 10 15

Gln Asn Ala Ile Asn Gly Ile Thr Asn Lys Val Asn Ser Val Ile Glu
20 25 30

Lys Met Asn Thr Gln Phe Thr Ala Val Gly Lys Glu Phe Asn Lys Leu
35 40 45

Glu Lys
50

<210> 185
<211> 18
<212> PRT
<213> Influenza virus

<400> 185
His Asn Gly Lys Leu Cys Arg Leu Lys Gly Ile Ala Pro Leu Gln Leu
1 5 10 15

Gly Lys

<210> 186
<211> 12
<212> PRT
<213> Influenza virus

<400> 186
His Lys Cys Asn Asn Glu Cys Met Glu Ser Val Lys
1 5 10

<210> 187
<211> 14
<212> PRT
<213> Influenza virus

<400> 187
Lys Phe Glu Ile Phe Pro Lys Ala Ser Ser Trp Pro Asn His
1 5 10

<210> 188
<211> 21
<212> PRT
<213> Influenza virus

<400> 188
His Asp Ser Asn Val Lys Asn Leu Tyr Glu Lys Val Arg Ser Gln Leu
1 5 10 15

Arg Asn Asn Ala Lys
20

<210> 189
<211> 22
<212> PRT
<213> Influenza virus

<400> 189
Lys Val Asn Ser Val Ile Lys Lys Met Asn Thr Gln Phe Ala Ala Val
1 5 10 15

Gly Lys Glu Phe Asn His
20

<210> 190
<211> 8
<212> PRT
<213> Influenza virus

<400> 190
Lys His Asn Gly Lys Leu Cys Lys
1 5

<210> 191
<211> 28
<212> PRT
<213> Influenza virus

<400> 191
Lys Lys Gly Thr Ser Tyr Pro Lys Leu Ser Lys Ser Tyr Thr His Asn
1 5 10 15

Lys Gly Lys Glu Val Leu Val Leu Trp Gly Val His
20 25

<210> 192
<211> 27
<212> PRT
<213> Influenza virus

<400> 192
Lys Gly Thr Ser Tyr Pro Lys Leu Ser Lys Ser Tyr Thr His Asn Lys
1 5 10 15

Gly Lys Glu Val Leu Val Leu Trp Gly Val His
20 25

<210> 193
<211> 21
<212> PRT
<213> Influenza virus

<400> 193
Lys Leu Ser Lys Ser Tyr Thr His Asn Lys Gly Lys Glu Val Leu Val
1 5 10 15

Leu Trp Gly Val His
20

<210> 194
<211> 18
<212> PRT
<213> Influenza virus

<400> 194
Lys Ser Tyr Thr His Asn Lys Gly Lys Glu Val Leu Val Leu Trp Gly
1 5 10 15

Val His

<210> 195
<211> 10
<212> PRT
<213> Influenza virus

<400> 195
Lys Gly Val Thr Ala Ser Cys Ser His Lys
1 5 10

<210> 196
<211> 34
<212> PRT
<213> Influenza virus

<400> 196
Lys Gly Val Thr Ala Ser Cys Ser His Lys Gly Arg Ser Ser Phe Tyr
1 5 10 15

Arg Asn Leu Leu Trp Leu Thr Glu Lys Asn Gly Leu Tyr Pro Asn Leu
20 25 30

Ser Lys

<210> 197
<211> 27
<212> PRT
<213> Influenza virus

<400> 197
Lys Gly Asn Ser Tyr Pro Lys Leu Ser Lys Ser Tyr Val Asn Asn Lys
1 5 10 15

Glu Lys Glu Val Leu Val Leu Trp Gly Ile His
20 25

<210> 198
<211> 8
<212> PRT
<213> Influenza virus

<400> 198
Lys Glu Phe Asn His Leu Glu Lys
1 5

<210> 199
<211> 39

<212> PRT
<213> Influenza virus

<400> 199
His Pro Pro Thr Ser Thr Asp Gln Gln Ser Leu Tyr Gln Asn Ala Asp
1 5 10 15

Ala Tyr Val Phe Val Gly Ser Ser Lys Tyr Asn Lys Lys Phe Lys Pro
20 25 30

Glu Ile Ala Thr Arg Pro Lys
35

<210> 200
<211> 31
<212> PRT
<213> Influenza virus

<400> 200
His Pro Pro Thr Ser Thr Asp Gln Gln Ser Leu Tyr Gln Asn Ala Asp
1 5 10 15

Ala Tyr Val Phe Val Gly Ser Ser Lys Tyr Asn Lys Lys Phe Lys
20 25 30

<210> 201
<211> 31
<212> PRT
<213> Influenza virus

<400> 201
His Glu Gly Lys Ser Ser Phe Tyr Arg Asn Leu Leu Trp Leu Thr Glu
1 5 10 15

Lys Glu Gly Ser Tyr Pro Lys Leu Lys Asn Ser Tyr Val Asn Lys
20 25 30

<210> 202
<211> 23
<212> PRT
<213> Influenza virus

<400> 202
His Glu Gly Lys Ser Ser Phe Tyr Arg Asn Leu Leu Trp Leu Thr Glu
1 5 10 15

Lys Glu Gly Ser Tyr Pro Lys
20

<210> 203
<211> 26
<212> PRT
<213> Influenza virus

<400> 203
His Lys Cys Asp Asn Glu Cys Met Glu Ser Val Arg Asn Gly Thr Tyr
1 5 10 15

Asp Tyr Pro Lys Tyr Ser Glu Glu Ser Lys
20 25

<210> 204
<211> 12
<212> PRT
<213> Influenza virus

<400> 204
Lys Glu Ser Ser Trp Pro Asn His Thr Val Thr Lys
1 5 10

<210> 205
<211> 35
<212> PRT
<213> Influenza virus

<400> 205
Lys Asn Leu Leu Trp Leu Thr Glu Lys Asn Gly Leu Tyr Pro Asn Leu
1 5 10 15

Ser Lys Ser Tyr Val Asn Asn Lys Glu Lys Glu Ile Leu Val Leu Trp
20 25 30

Gly Val His
35

<210> 206
<211> 27
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (9)
<223> lys or met

<220>
<221> MOD_RES
<222> (10)
<223> asn or not present

<220>
<221> MOD_RES
<222> (16)
<223> glu or gly

<220>
<221> MOD_RES
<222> (17)
<223> not present or lys

<400> 206
His Asn Gly Lys Ser Ser Phe Tyr Xaa Xaa Leu Leu Trp Leu Thr Xaa
1 5 10 15

Xaa Lys Asn Gly Leu Tyr Pro Asn Leu Ser Lys
20 25

<210> 207
<211> 17
<212> PRT
<213> Influenza virus

<400> 207
His Asn Gly Lys Ser Ser Phe Tyr Lys Asn Leu Leu Trp Leu Thr Glu
1 5 10 15

Lys

<210> 208
<211> 55
<212> PRT
<213> Influenza virus

<400> 208
His Thr Val Thr Lys Gly Val Thr Ala Ser Cys Ser His Asn Gly Lys
1 5 10 15

Ser Ser Phe Tyr Lys Asn Leu Leu Trp Leu Thr Glu Lys Asn Gly Leu
20 25 30

Tyr Pro Asn Leu Ser Lys Ser Tyr Val Asn Asn Lys Glu Lys Glu Val
35 40 45

Leu Val Leu Trp Gly Val His
50 55

<210> 209
<211> 38
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (5)
<223> lys or gly

<220>
<221> MOD_RES
<222> (8)
<223> thr or ser

<220>
<221> MOD_RES
<222> (21)

<223> lys or met

<220>
<221> MOD_RES
<222> (22)
<223> asn or not preser*

<220>
<221> MOD_RES
<222> (28)
<223> glu or gly

<220>
<221> MOD_RES
<222> (30)
<223> asn present or not or lys

<400> 209
His Thr Val Thr Xaa Gly Val Xaa Ala Ser Cys Ser His Asn Gly Lys
1 5 10 15

Ser Ser Phe Tyr Xaa Xaa Leu Leu Trp Leu Thr Xaa Lys Xaa Gly Leu
20 25 30

Tyr Pro Asn Leu Ser Lys
35

<210> 210
<211> 29
<212> PRT
<213> Influenza virus

<400> 210
His Thr Val Thr Lys Gly Val Thr Ala Ser Cys Ser His Asn Gly Lys
1 5 10 15

Ser Ser Phe Tyr Lys Asn Leu Leu Trp Leu Thr Glu Lys
20 25

<210> 211
<211> 48
<212> PRT
<213> Influenza virus

<400> 211
Lys Tyr Val Arg Ser Thr Lys Leu Arg Met Val Thr Gly Leu Arg Asn
1 5 10 15

Ile Pro Ser Ile Gln Ser Arg Gly Leu Phe Gly Ala Ile Ala Gly Phe
20 25 30

Ile Glu Gly Gly Trp Thr Gly Met Ile Asp Gly Trp Tyr Gly Tyr His
35 40 45

<210> 212
<211> 43
<212> PRT
<213> Influenza virus

<400> 212
His Gln Asn Glu Gln Gly Ser Gly Tyr Ala Ala Asp Gln Lys Ser Thr
1 5 10 15

Gln Asn Ala Ile Asn Gly Ile Thr Asn Lys Val Asn Ser Ile Ile Glu
20 25 30

Lys Met Asn Thr Gln Phe Thr Ala Val Gly Lys
35 40

<210> 213
<211> 33
<212> PRT
<213> Influenza virus

<400> 213
His Gln Asn Glu Gln Gly Ser Gly Tyr Ala Ala Asp Gln Lys Ser Thr
1 5 10 15

Gln Asn Ala Ile Asn Gly Ile Thr Asn Lys Val Asn Ser Ile Ile Glu
20 25 30

Lys

<210> 214
<211> 26
<212> PRT
<213> Influenza virus

<400> 214
His Gln Asn Glu Gln Gly Ser Gly Tyr Ala Ala Asp Gln Lys Ser Thr
1 5 10 15

Gln Asn Ala Ile Asn Gly Ile Thr Asn Lys
20 25

<210> 215
<211> 23
<212> PRT
<213> Influenza virus

<400> 215
His Ser Gly Ala Arg Ser Phe Tyr Arg Asn Leu Leu Trp Ile Val Lys
1 5 10 15

Lys Gly Asn Ser Tyr Pro Lys
20

<210> 216
<211> 26
<212> PRT
<213> Influenza virus

<400> 216
His Ser Gly Ala Arg Ser Phe Tyr Arg Asn Leu Leu Trp Ile Val Lys
1 5 10 15

Lys Gly Asn Ser Tyr Pro Lys Leu Asn Lys
20 25

<210> 217
<211> 32
<212> PRT
<213> Influenza virus

<400> 217
His Ser Gly Ala Arg Ser Phe Tyr Arg Asn Leu Leu Trp Ile Val Lys
1 5 10 15

Lys Gly Asn Ser Tyr Pro Lys Leu Asn Lys Ser Tyr Thr Asn Asp Lys
20 25 30

<210> 218
<211> 34
<212> PRT
<213> Influenza virus

<400> 218
His Ser Gly Ala Arg Ser Phe Tyr Arg Asn Leu Leu Trp Ile Val Lys
1 5 10 15

Lys Gly Asn Ser Tyr Pro Lys Leu Asn Lys Ser Tyr Thr Asn Asp Lys
20 25 30

Gly Lys

<210> 219
<211> 16
<212> PRT
<213> Influenza virus

<400> 219
His Thr Val Ser Lys Gly Val Thr Thr Ser Cys Ser His Asn Gly Lys
1 5 10 15

<210> 220
<211> 12
<212> PRT
<213> Influenza virus

<400> 220
Lys Ala Thr Ser Trp Pro Asn His Glu Thr Thr Lys
1 5 10

<210> 221
<211> 12
<212> PRT
<213> Influenza virus

<400> 221
Lys Gln Val Thr Thr Ser Cys Ser His Asn Gln Lys
1 5 10

<210> 222
<211> 27
<212> PRT
<213> Influenza virus

<400> 222
Lys Gly Asn Ser Tyr Pro Lys Leu Asn Lys Ser Tyr Thr Asn Asp Lys
1 5 10 15

Gly Lys Glu Val Leu Val Ile Trp Gly Val His
20 25

<210> 223
<211> 21
<212> PRT
<213> Influenza virus

<400> 223
Lys Leu Asn Lys Ser Tyr Thr Asn Asp Lys Gly Lys Glu Val Leu Val
1 5 10 15

Ile Trp Gly Val His
20

<210> 224
<211> 18
<212> PRT
<213> Influenza virus

<400> 224
Lys Ser Tyr Thr Asn Asp Lys Gly Lys Glu Val Leu Val Ile Trp Gly
1 5 10 15

Val His

<210> 225
<211> 35
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (16)
<223> glu or gln

<220>
<221> MOD_RES
<222> (29)
<223> val or ala

<400> 225
His Asn Gln Lys Ser Ser Phe Tyr Arg Asn Leu Leu Trp Leu Thr Xaa
1 5 10 15

Lys Asn Gly Leu Tyr Pro Asn Leu Ser Lys Ser Tyr Xaa Ala Asn Asn
20 25 30

Lys Glu Lys
35

<210> 226
<211> 16
<212> PRT
<213> Influenza virus

<400> 226
His Pro Ile Thr Ile Gly Glu Cys Pro Lys Tyr Val Arg Ser Ala Lys
1 5 10 15

<210> 227
<211> 43
<212> PRT
<213> Influenza virus

<400> 227
His Gln Asn Glu Gln Gly Ser Gly Tyr Ala Ala Asp Gln Lys Ser Thr
1 5 10 15

Gln Asn Ala Ile Asn Gly Ile Thr Asn Lys Val Asn Ser Val Ile Glu
20 25 30

Lys Met Asn Thr Gln Phe Thr Ala Val Gly Lys
35 40

<210> 228
<211> 33
<212> PRT
<213> Influenza virus

<400> 228
His Gln Asn Glu Gln Gly Ser Gly Tyr Ala Ala Asp Gln Lys Ser Thr
1 5 10 15

Gln Asn Ala Ile Asn Gly Ile Thr Asn Lys Val Asn Ser Val Ile Glu
20 25 30

Lys

<210> 229
<211> 34
<212> PRT
<213> Influenza virus

<400> 229
His Asn Gly Lys Ser Ser Phe Tyr Arg Asn Leu Leu Trp Leu Thr Glu
1 5 10 15

Lys Asn Gly Leu Tyr Pro Asn Leu Ser Lys Ser Tyr Val Asn Asn Lys
20 25 30

Glu Lys

<210> 230
<211> 11
<212> PRT
<213> Influenza virus

<400> 230
Lys His Phe Glu Lys Val Lys Ile Leu Pro Lys
1 5 10

<210> 231
<211> 14
<212> PRT
<213> Influenza virus

<400> 231
Lys His Leu Leu Ser Ser Val Lys His Phe Glu Lys Val Lys
1 5 10

<210> 232
<211> 13
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (3)
<223> lys, gln or met

<220>
<221> MOD_RES
<222> (4)
<223> asp or asn

<400> 232
His Ala Xaa Xaa Ile Leu Glu Lys Thr His Asn Gly Lys
1 5 10

<210> 233
<211> 16
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (3)
<223> lys, gln or met

<220>
<221> MOD_RES
<222> (4)
<223> asp or asn

<220>
<221> MOD_RES
<222> (16)
<223> lys or arg

<400> 233
His Ala Xaa Xaa Ile Leu Glu Lys Thr His Asn Gly Lys Leu Cys Xaa
1 5 10 15

<210> 234
<211> 19
<212> PRT
<213> Influenza virus

<400> 234
His Asn Val His Pro Leu Thr Ile Gly Glu Cys Pro Lys Tyr Val Lys
1 5 10 15

Ser Glu Lys

<210> 235
<211> 16
<212> PRT
<213> Influenza virus

<400> 235
His Pro Leu Thr Ile Gly Glu Cys Pro Lys Tyr Val Lys Ser Glu Lys
1 5 10 15

<210> 236
<211> 18
<212> PRT
<213> Influenza virus

<400> 236
Lys His Leu Leu Ser Ser Val Lys His Phe Glu Lys Val Lys Ile Leu
1 5 10 15

Pro Lys

<210> 237
<211> 38
<212> PRT
<213> Influenza virus

<400> 237
Lys Arg Gln Ser Ser Gly Ile Met Lys Thr Glu Gly Thr Leu Glu Asn
1 5 10 15

Cys Glu Thr Lys Cys Gln Thr Pro Leu Gly Ala Ile Asn Thr Thr Leu
20 25 30

Pro Phe His Asn Val His
35

<210> 238
<211> 27
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (7)
<223> val or ile

<220>
<221> MOD_RES
<222> (10)
<223> gly or arg

<220>
<221> MOD_RES
<222> (26)
<223> val or ile

<400> 238
Lys Gly Ser Asn Tyr Pro Xaa Ala Lys Xaa Ser Tyr Asn Asn Thr Ser
1 5 10 15

Gly Glu Gln Met Leu Ile Ile Trp Gln Xaa His
20 25

<210> 239
<211> 36
<212> PRT
<213> Influenza virus

<400> 239
His Thr Thr Leu Gly Gln Ser Arg Ala Cys Ala Val Ser Gly Asn Pro
1 5 10 15

Ser Phe Phe Arg Asn Met Val Trp Leu Thr Glu Lys Gly Ser Asn Tyr
20 25 30

Pro Val Ala Lys
35

<210> 240
<211> 7
<212> PRT
<213> Influenza virus

<400> 240
Lys His Phe Glu Lys Val Lys
1 5

<210> 241
<211> 38
<212> PRT
<213> Influenza virus

<400> 241
Lys Ile Ser Lys Arg Gly Ser Ser Gly Ile Met Lys Thr Glu Gly Thr
1 5 10 15

Leu Glu Asn Cys Glu Thr Lys Cys Gln Thr Pro Leu Gly Ala Ile Asn
20 25 30

Thr Thr Leu Pro Phe His
35

<210> 242
<211> 35
<212> PRT
<213> Influenza virus

<400> 242
Lys Arg Gly Ser Ser Gly Ile Met Lys Thr Glu Gly Thr Leu Glu Asn
1 5 10 15

Cys Glu Thr Lys Cys Gln Thr Pro Leu Gly Ala Ile Asn Thr Thr Leu
20 25 30

Pro Phe His
35

<210> 243
<211> 27
<212> PRT
<213> Influenza virus

<400> 243
Lys Thr Glu Gly Thr Leu Glu Asn Cys Glu Thr Lys Cys Gln Thr Pro
1 5 10 15

Leu Gly Ala Ile Asn Thr Thr Leu Pro Phe His
20 25

<210> 244
<211> 38
<212> PRT
<213> Influenza virus

<400> 244
Lys Ile Ser Lys Arg Gly Ser Ser Gly Ile Met Lys Thr Glu Gly Thr
1 5 10 15

Leu Glu Asn Cys Glu Thr Lys Cys Gln Thr Pro Leu Gly Ala Ile Asn
20 25 30

Thr Thr Leu Pro Phe His
35

<210> 245
<211> 30
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (29)
<223> val or ile

<400> 245
Lys Thr Glu Gly Thr Leu Glu Asn Cys Glu Thr Lys Cys Gln Thr Pro
1 5 10 15

Leu Gly Ala Ile Asn Thr Thr Leu Pro Phe His Asn Xaa His
20 25 30

<210> 246
<211> 38
<212> PRT
<213> Influenza virus

<400> 246
Lys Ile Ser Lys Arg Gly Ser Ser Gly Ile Met Lys Thr Glu Gly Thr
1 5 10 15

Leu Glu Asn Cys Glu Thr Lys Cys Gln Thr Pro Leu Gly Ala Ile Asn
20 25 30

Thr Thr Leu Pro Phe His
35

<210> 247
<211> 27
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES

<222> (2)
<223> glu or gly

<400> 247
Lys Xaa Ser Asn Tyr Pro Val Ala Lys Gly Ser Tyr Asn Asn Thr Ser
1 5 10 15

Gly Glu Gln Met Leu Ile Ile Trp Gly Val His
20 25

<210> 248
<211> 16
<212> PRT
<213> Influenza virus

<400> 248
His Pro Leu Thr Ile Gly Glu Cys Pro Lys Tyr Val Lys Ser Glu Lys
1 5 10 15

<210> 249
<211> 16
<212> PRT
<213> Influenza virus

<400> 249
Lys Cys Gln Thr Pro Leu Gly Ala Ile Lys Thr Thr Leu Pro Phe His
1 5 10 15

<210> 250
<211> 58
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (21)
<223> phe or ile

<220>
<221> MOD_RES
<222> (47)
<223> asn or ser

<400> 250
His His Ser Asn Asp Gln Gly Ser Gly Tyr Ala Ala Asp Lys Glu Ser
1 5 10 15

Thr Gln Lys Ala Xaa Asp Gly Ile Thr Asn Lys Val Asn Ser Val Ile
20 25 30

Glu Lys Met Asn Thr Gln Phe Glu Ala Val Gly Lys Leu Phe Xaa Asn
35 40 45

Leu Glu Lys Leu Glu Asn Leu Asn Lys Lys
50 55

<210> 251
<211> 57
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (20)
<223> phe or ile

<220>
<221> MOD_RES
<222> (46)
<223> asn or ser

<400> 251
His Ser Asn Asp Gln Gly Ser Gly Tyr Ala Ala Asp Lys Glu Ser Thr
1 5 10 15

Gln Lys Ala Xaa Asp Gly Ile Thr Asn Lys Val Asn Ser Val Ile Glu
20 25 30

Lys Met Asn Thr Gln Phe Glu Ala Val Gly Lys Leu Phe Xaa Asn Leu
35 40 45

Glu Lys Leu Glu Asn Leu Asn Lys Lys
50 55

<210> 252
<211> 26
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (20)
<223> phe or ile

<400> 252
His Ser Asn Asp Gln Gly Ser Gly Tyr Ala Ala Asp Lys Glu Ser Thr
1 5 10 15

Gln Lys Ala Xaa Asp Gly Ile Thr Asn Lys
20 25

<210> 253
<211> 21
<212> PRT
<213> Influenza virus

<400> 253
His Asp Ser Asn Val Arg Asn Leu Tyr Asp Lys Val Arg Met Gln Leu
1 5 10 15

Arg Asp Asn Ala Lys
20

<210> 254
<211> 30
<212> PRT
<213> Influenza virus

<400> 254
His Lys Cys Asp Asp Glu Cys Met Asn Ser Val Lys Asn Gly Thr Tyr
1 5 10 15

Asp Tyr Pro Lys Leu Asn Arg Asn Glu Ile Lys Gly Val Lys
20 25 30

<210> 255
<211> 27
<212> PRT
<213> Influenza virus

<400> 255
His Lys Cys Asp Asp Glu Cys Met Asn Ser Val Lys Asn Gly Thr Tyr
1 5 10 15

Asp Tyr Pro Lys Leu Asn Arg Asn Glu Ile Lys
20 25

<210> 256
<211> 20
<212> PRT
<213> Influenza virus

<400> 256
His Lys Cys Asp Asp Glu Cys Met Asn Ser Val Lys Asn Gly Thr Tyr
1 5 10 15

Asp Tyr Pro Lys
20

<210> 257
<211> 12
<212> PRT
<213> Influenza virus

<400> 257
His Lys Cys Asp Asp Glu Cys Met Asn Ser Val Lys
1 5 10

<210> 258
<211> 27
<212> PRT
<213> Influenza virus

<400> 258
Lys Gly Ser Asn Tyr Pro Val Ala Lys Gly Ser Tyr Asn Asn Thr Asn
1 5 10 15

Gly Glu Gln Ile Leu Ile Ile Trp Gly Val His
20 25

<210> 259
<211> 43
<212> PRT
<213> Influenza virus

<400> 259
His Ser Asn Asp Gln Gly Ser Gly Tyr Ala Ala Asp Lys Glu Ser Thr
1 5 10 15

Gln Lys Ala Val Asp Gly Ile Thr Asn Lys Val Asn Ser Val Ile Glu
20 25 30

Lys Met Asn Thr Gln Phe Glu Ala Val Gly Lys
35 40

<210> 260
<211> 35
<212> PRT
<213> Influenza virus

<400> 260
Lys Arg Gly Ser Ser Gly Ile Met Lys Thr Glu Gly Thr Leu Glu Asn
1 5 10 15

Cys Glu Thr Lys Cys Gln Thr Pro Leu Gly Ala Ile Asn Thr Thr Leu
20 25 30

Pro Phe His
35

<210> 261
<211> 16
<212> PRT
<213> Influenza virus

<400> 261
His Pro Leu Thr Ile Gly Glu Cys Pro Lys Tyr Val Lys Ser Glu Lys
1 5 10 15

<210> 262
<211> 16
<212> PRT
<213> Influenza virus

<400> 262
His Ala Lys Asp Ile Leu Glu Lys Thr His Asn Gly Lys Leu Cys Lys
1 5 10 15

<210> 263
<211> 25
<212> PRT
<213> Influenza virus

<400> 263
His Asp Val Tyr Arg Asp Glu Ala Leu Asn Asn Arg Phe Gln Ile Lys
1 5 10 15

Gly Val Glu Leu Lys Ser Gly Tyr Lys
20 25

<210> 264
<211> 19
<212> PRT
<213> Influenza virus

<400> 264
His Thr Ile Asp Leu Thr Asp Ser Glu Met Asn Lys Leu Phe Glu Arg
1 5 10 15

Thr Arg Lys

<210> 265
<211> 7
<212> PRT
<213> Influenza virus

<400> 265
Lys Phe His Gln Ile Glu Lys
1 5

<210> 266
<211> 11
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (8)
<223> gly or gln

<400> 266
Lys Thr Asn Glu Lys Phe His Xaa Ile Glu Lys
1 5 10

<210> 267
<211> 14
<212> PRT
<213> Influenza virus

<220>

<221> MOD_RES
<222> (5)
<223> val or leu

<400> 267
Lys Leu Asn Arg Xaa Ile Glu Lys Thr Asn Glu Lys Phe His
1 5 10

<210> 268
<211> 25
<212> PRT
<213> Influenza virus

<400> 268
His Gln Ile Glu Lys Glu Phe Ser Glu Val Glu Gly Arg Ile Gln Asp
1 5 10 15

Leu Glu Lys Tyr Val Glu Asp Thr Lys
20 25

<210> 269
<211> 8
<212> PRT
<213> Influenza virus

<400> 269
Lys Ile Cys Asn Asn Pro His Lys
1 5

<210> 270
<211> 14
<212> PRT
<213> Influenza virus

<400> 270
Lys Leu Asn Arg Val Ile Lys Lys Thr Asn Glu Lys Phe His
1 5 10

<210> 271
<211> 24
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (3)
<223> ile or val

<220>
<221> MOD_RES
<222> (17)
<223> gly or gln

<220>

<221> MOD_RES
<222> (20)
<223> arg or lys

<220>
<221> MOD_RES
<222> (22)
<223> gln or gly

<400> 271
His Asp Xaa Tyr Arg Asp Glu Ala Leu Asn Asn Arg Phe Gln Ile Lys
1 5 10 15

Xaa Val Glu Xaa Ser Xaa Tyr Lys
20

<210> 272
<211> 25
<212> PRT
<213> Influenza virus

<400> 272
His Gln Ile Glu Lys Glu Phe Ser Glu Val Glu Gly Arg Ile Gln Asp
1 5 10 15

Leu Glu Lys Tyr Val Glu Asp Thr Lys
20 25

<210> 273
<211> 25
<212> PRT
<213> Influenza virus

<400> 273
Lys Tyr Val Glu Asp Thr Lys Ile Asp Leu Trp Ser Tyr Asn Ala Glu
1 5 10 15

Leu Leu Val Ala Leu Glu Asn Gln His
20 25

<210> 274
<211> 49
<212> PRT
<213> Influenza virus

<400> 274
Lys Tyr Val Lys Gln Asn Ser Leu Lys Leu Ala Thr Gly Met Arg Asn
1 5 10 15

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

Ile Glu Asn Gly Trp Glu Gly Met Ile Asp Gly Trp Tyr Gly Phe Arg
35 40 45

His

<210> 275
<211> 39
<212> PRT
<213> Influenza virus

<400> 275
Lys Glu Phe Ser Glu Val Glu Gly Arg Ile Gln Asp Leu Glu Lys Tyr
1 5 10 15

Val Glu Asp Thr Lys Ile Asp Leu Trp Ser Tyr Asn Ala Glu Leu Leu
20 25 30

Val Ala Leu Glu Asn Gln His
35

<210> 276
<211> 33
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (4)
<223> ser or glu

<220>
<221> MOD_RES
<222> (5)
<223> glu or gln

<220>
<221> MOD_RES
<222> (7)
<223> thr or ser

<220>
<221> MOD_RES
<222> (9)
<223> gln or tyr

<220>
<221> MOD_RES
<222> (13)
<223> leu or gln

<220>
<221> MOD_RES
<222> (18)
<223> ala or asn

<220>
<221> MOD_RES
<222> (20)
<223> ile or leu

<220>
<221> MOD_RES
<222> (22)
<223> gln or gly

<220>
<221> MOD_RES
<222> (24)
<223> asn or thr

<220>
<221> MOD_RES
<222> (25)
<223> gly or asn

<220>
<221> MOD_RES
<222> (27)
<223> leu or val

<220>
<221> MOD_RES
<222> (29)
<223> arg or ser

<220>
<221> MOD_RES
<222> (32)
<223> glu or cys

<400> 276
His Gln Asn Xaa Xaa Gly Xaa Gly Xaa Ala Ala Asp Xaa Lys Ser Thr
1 5 10 15

Gln Xaa Ala Xaa Asp Xaa Ile Xaa Xaa Lys Xaa Asn Xaa Val Ile Xaa
20 25 30

Lys

<210> 277
<211> 18
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (4)
<223> gly or gln

<220>
<221> MOD_RES
<222> (6)
<223> gln or arg

<220>
<221> MOD_RES

<222> (14)
<223> val or ile

<220>
<221> MOD_RES
<222> (17)
<223> ser or thr

<400> 277
His Cys Asp Xaa Phe Xaa Asn Glu Lys Trp Asp Leu Phe Xaa Glu Arg
1 5 10 15

Xaa Lys

<210> 278
<211> 20
<212> PRT
<213> Influenza virus

<400> 278
His Thr Ile Asp Leu Thr Asp Ser Glu Met Asn Lys Lys Leu Phe Glu
1 5 10 15

Arg Thr Arg Lys
20

<210> 279
<211> 28
<212> PRT
<213> Influenza virus

<400> 279
Lys Ser Gly Ser Thr Tyr Pro Val Leu Lys Val Thr Met Pro Asn Asn
1 5 10 15

Asp Asn Phe Asp Lys Leu Tyr Ile Trp Gly Val His
20 25

<210> 280
<211> 34
<212> PRT
<213> Influenza virus

<400> 280
Lys Leu Asn Trp Leu Thr Lys Ser Gly Asn Thr Tyr Pro Val Leu Asn
1 5 10 15

Val Thr Met Pro Asn Asn Asp Asn Phe Asp Lys Leu Val Ile Trp Gly
20 25 30

Val His

<210> 281
<211> 19

<212> PRT
<213> Influenza virus

<400> 281
His Thr Ile Asp Leu Thr Asp Ser Glu Met Asn Lys Leu Phe Glu Lys
1 5 10 15

Thr Arg Lys

<210> 282
<211> 18
<212> PRT
<213> Influenza virus

<400> 282
Lys Leu Asn Arg Leu Ile Glu Lys Thr Asn Glu Lys Phe His Gln Thr
1 5 10 15

Glu Lys

<210> 283
<211> 47
<212> PRT
<213> Influenza virus

<400> 283
His Thr Gly Lys Ser Ser Val Met Arg Ser Asp Ala Pro Ile Asp Phe
1 5 10 15

Cys Asn Ser Glu Cys Ile Thr Pro Asn Gln Ser Ile Pro Asn Asp Lys
20 25 30

Pro Phe Gln Asn Val Asn Lys Ile Thr Tyr Gly Ala Cys Pro Lys
35 40 45

<210> 284
<211> 39
<212> PRT
<213> Influenza virus

<400> 284
His Thr Gly Lys Ser Ser Val Met Arg Ser Asp Ala Pro Ile Asp Phe
1 5 10 15

Cys Asn Ser Glu Cys Ile Thr Pro Asn Gln Ser Ile Pro Asn Asp Lys
20 25 30

Pro Phe Gln Asn Val Asn Lys
35

<210> 285
<211> 33
<212> PRT
<213> Influenza virus

<400> 285
His Pro Ser Thr Asp Ser Asp Gln Thr Ser Leu Tyr Val Arg Ala Ser
1 5 10 15

Gly Arg Val Thr Val Ser Thr Lys Arg Ser Gln Gln Thr Val Ile Pro
20 25 30

Lys

<210> 286
<211> 25
<212> PRT
<213> Influenza virus

<400> 286
Lys Tyr Val Glu Asp Thr Lys Ile Asp Leu Trp Ser Tyr Asn Ala Glu
1 5 10 15

Leu Leu Val Ala Leu Glu Asn Gln His
20 25

<210> 287
<211> 26
<212> PRT
<213> Influenza virus

<400> 287
Lys Leu Phe Glu Arg Thr Arg Lys Gln Leu Arg Glu Asn Ala Glu Asp
1 5 10 15

Met Gly Asn Gly Cys Phe Lys Ile Tyr His
20 25

<210> 288
<211> 16
<212> PRT
<213> Influenza virus

<400> 288
Lys Arg Arg Ser Ile Lys Ser Phe Phe Ser Arg Leu Asn Trp Leu His
1 5 10 15

<210> 289
<211> 16
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (12)
<223> val or arg

<400> 289
His Pro Val Thr Ile Gly Glu Cys Pro Lys Tyr Xaa Lys Ser Thr Lys
1 5 10 15

<210> 290
<211> 30
<212> PRT
<213> Influenza virus

<400> 290
Lys Gly Asn Ser Tyr Pro Lys Leu Ser Lys Leu Ser Lys Ser Tyr Ile
1 5 10 15

Ile Asn Lys Lys Lys Glu Val Leu Val Ile Trp Gly Ile His
20 25 30

<210> 291
<211> 24
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (9)
<223> val or tyr

<400> 291
Lys Leu Ser Lys Leu Ser Lys Ser Xaa Ile Ile Asn Lys Lys Lys Glu
1 5 10 15

Val Leu Val Ile Trp Gly Ile His
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<210> 292
<211> 21
<212> PRT
<213> Influenza virus

<220>
<221> MOD_RES
<222> (6)
<223> val or tyr

<400> 292
Lys Leu Ser Lys Ser Xaa Ile Ile Asn Lys Lys Lys Glu Val Leu Val
1 5 10 15

Ile Trp Gly Ile His
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<210> 293
<211> 46
<212> PRT
<213> Plasmodium falciparum

<400> 293
Lys Glu Glu Glu Glu Lys Glu Lys Glu Lys Glu Lys Glu Lys Glu Glu
1 5 10 15

Lys Glu Lys Glu Glu Lys Glu Lys Glu Glu Lys Glu Lys Glu Lys Glu
20 25 30

Glu Lys Glu Lys Glu Lys Glu Glu Lys Glu Glu Glu Lys Lys
35 40 45

<210> 294
<211> 48
<212> PRT
<213> Plasmodium falciparum

<400> 294
Lys Glu Glu Glu Glu Lys Glu Lys Glu Lys Glu Lys Glu Lys Glu Glu
1 5 10 15

Lys Glu Lys Glu Glu Lys Glu Lys Glu Glu Lys Glu Lys Glu Lys Glu
20 25 30

Glu Lys Glu Lys Glu Lys Glu Glu Lys Glu Glu Glu Lys Lys Glu Lys
35 40 45

<210> 295
<211> 47
<212> PRT
<213> Plasmodium falciparum

<400> 295
Lys Glu Glu Glu Glu Lys Glu Lys Glu Lys Glu Lys Glu Lys Glu Glu
1 5 10 15

Lys Glu Lys Glu Glu Lys Glu Lys Glu Lys Glu Glu Lys Glu Lys Glu
20 25 30

Glu Lys Glu Lys Glu Glu Lys Glu Glu Lys Glu Glu Glu Lys Lys
35 40 45

<210> 296
<211> 10
<212> PRT
<213> Plasmodium falciparum

<400> 296
Lys Glu Glu Glu Glu Lys Glu Lys Glu Lys
1 5 10

<210> 297
<211> 19
<212> PRT
<213> Plasmodium falciparum

<400> 297
His Lys Lys Leu Ile Lys Ala Leu Lys Lys Asn Ile Glu Ser Ile Gln
1 5 10 15

Asn Lys Lys

<210> 298
<211> 19
<212> PRT
<213> Plasmodium falciparum

<400> 298
His Lys Lys Leu Ile Lys Ala Leu Lys Lys Asn Ile Glu Ser Ile Gln
1 5 10 15

Asn Lys Met

<210> 299
<211> 10
<212> PRT
<213> Plasmodium falciparum

<400> 299
His Lys Lys Leu Ile Lys Ala Leu Lys Lys
1 5 10

<210> 300
<211> 9
<212> PRT
<213> Plasmodium falciparum

<400> 300
His Lys Lys Leu Ile Lys Ala Leu Lys
1 5

<210> 301
<211> 23
<212> PRT
<213> Plasmodium falciparum

<400> 301
Lys Ala Thr Tyr Ser Phe Val Asn Thr Lys Lys Lys Ile Ile Ser Leu
1 5 10 15

Lys Ser Gln Gly His Lys Lys
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<210> 302
<211> 22
<212> PRT
<213> Plasmodium falciparum

<400> 302
Lys Ala Thr Tyr Ser Phe Val Asn Thr Lys Lys Lys Ile Ile Ser Leu
1 5 10 15

Lys Ser Gln Gly His Lys
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<210> 303
<211> 21
<212> PRT
<213> Plasmodium falciparum

<400> 303
Lys Ala Thr Tyr Ser Phe Val Asn Thr Lys Lys Lys Ile Ile Ser Leu
1 5 10 15

Lys Ser Gln Gly His
20

<210> 304
<211> 29
<212> PRT
<213> Plasmodium falciparum

<400> 304
His Thr Tyr Val Lys Gly Lys Lys Ala Pro Ser Asp Pro Gln Cys Ala
1 5 10 15

Asp Ile Lys Glu Glu Cys Lys Glu Leu Leu Lys Glu Lys
20 25

<210> 305
<211> 11
<212> PRT
<213> Plasmodium falciparum

<400> 305
Lys Ile Ile Ser Leu Lys Ser Gln Gly His Lys
1 5 10

<210> 306
<211> 21
<212> PRT
<213> Plasmodium falciparum

<400> 306
Lys Lys Lys Lys Phe Glu Pro Leu Lys Asn Gly Asn Val Ser Glu Thr
1 5 10 15

Ile Lys Leu Ile His
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<210> 307

<211> 20
<212> PRT
<213> Plasmodium falciparum

<400> 307
Lys Lys Lys Phe Glu Pro Leu Lys Asn Gly Asn Val Ser Glu Thr Ile
1 5 10 15

Lys Leu Ile His
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<210> 308
<211> 19
<212> PRT
<213> Plasmodium falciparum

<400> 308
Lys Lys Phe Glu Pro Leu Lys Asn Gly Asn Val Ser Glu Thr Ile Lys
1 5 10 15

Leu Ile His

<210> 309
<211> 13
<212> PRT
<213> Plasmodium falciparum

<400> 309
Lys Asn Gly Asn Val Ser Glu Thr Ile Lys Leu Ile His
1 5 10

<210> 310
<211> 11
<212> PRT
<213> Plasmodium falciparum

<400> 310
Lys Leu Ile His Leu Gly Asn Lys Asp Lys Lys
1 5 10

<210> 311
<211> 36
<212> PRT
<213> Plasmodium falciparum

<400> 311
Lys Val Lys Lys Ile Gly Val Thr Leu Lys Lys Phe Glu Pro Leu Lys
1 5 10 15

Asn Gly Asn Val Ser Glu Thr Ile Lys Leu Ile His Leu Gly Asn Lys
20 25 30

Asp Lys Lys His
35

<210> 312
<211> 59
<212> PRT
<213> Plasmodium falciparum

<400> 312
His Leu Ile Tyr Lys Asn Lys Ser Tyr Asn Pro Leu Leu Leu Ser Cys
1 5 10 15

Val Lys Lys Met Asn Met Leu Lys Glu Asn Val Asp Tyr Ile Gln Asn
20 25 30

Gln Asn Leu Phe Lys Glu Leu Met Asn Gln Lys Ala Thr Tyr Ser Phe
35 40 45

Val Asn Thr Lys Lys Lys Ile Ile Ser Leu Lys
50 55

<210> 313
<211> 52
<212> PRT
<213> Plasmodium falciparum

<400> 313
His Leu Ile Tyr Lys Asn Lys Ser Tyr Asn Pro Leu Leu Leu Ser Cys
1 5 10 15

Val Lys Lys Met Asn Met Leu Lys Glu Asn Val Asp Tyr Ile Gln Asn
20 25 30

Gln Asn Leu Phe Lys Glu Leu Met Asn Gln Lys Ala Thr Tyr Ser Phe
35 40 45

Val Asn Thr Lys
50

<210> 314
<211> 43
<212> PRT
<213> Plasmodium falciparum

<400> 314
His Leu Ile Tyr Lys Asn Lys Ser Tyr Asn Pro Leu Leu Leu Ser Cys
1 5 10 15

Val Lys Lys Met Asn Met Leu Lys Glu Asn Val Asp Tyr Ile Gln Asn
20 25 30

Gln Asn Leu Phe Lys Glu Leu Met Asn Gln Lys
35 40

<210> 315
<211> 38

<212> PRT
<213> Plasmodium falciparum

<400> 315
His Leu Ile Tyr Lys Asn Lys Ser Tyr Asn Pro Leu Leu Leu Ser Cys
1 5 10 15

Val Lys Lys Met Asn Met Leu Lys Glu Asn Val Asp Tyr Ile Gln Lys
20 25 30

Asn Gln Asn Leu Phe Lys
35

<210> 316
<211> 24
<212> PRT
<213> Plasmodium falciparum

<400> 316
His Leu Ile Tyr Lys Asn Lys Ser Tyr Asn Pro Leu Leu Leu Ser Cys
1 5 10 15

Val Lys Lys Met Asn Met Leu Lys
20

<210> 317
<211> 47
<212> PRT
<213> Plasmodium falciparum

<400> 317
Lys Ser Ala Asn Asn Ser Ala Asn Asn Gly Lys Lys Asn Asn Ala Glu
1 5 10 15

Glu Met Lys Asn Leu Val Asn Phe Leu Gln Ser His Lys Lys Leu Ile
20 25 30

Lys Ala Leu Lys Lys Asn Ile Glu Ser Ile Gln Asn Lys Lys His
35 40 45

<210> 318
<211> 37
<212> PRT
<213> Plasmodium falciparum

<400> 318
Lys Lys Asn Asn Ala Glu Glu Met Lys Asn Leu Val Asn Phe Leu Gln
1 5 10 15

Ser His Lys Lys Leu Ile Lys Ala Leu Lys Lys Asn Ile Glu Ser Ile
20 25 30

Gln Asn Lys Lys His
35

<210> 319
<211> 29
<212> PRT
<213> Plasmodium falciparum

<400> 319
Lys Asn Leu Val Asn Phe Leu Gln Ser His Lys Lys Leu Ile Lys Ala
1 5 10 15

Leu Lys Lys Asn Ile Glu Ser Ile Gln Asn Lys Lys His
20 25

<210> 320
<211> 19
<212> PRT
<213> Plasmodium falciparum

<400> 320
Lys Lys Leu Ile Lys Ala Leu Lys Lys Asn Ile Glu Ser Ile Gln Asn
1 5 10 15

Lys Lys His

<210> 321
<211> 18
<212> PRT
<213> Plasmodium falciparum

<400> 321
Lys Leu Ile Lys Ala Leu Lys Lys Asn Ile Glu Ser Ile Gln Asn Lys
1 5 10 15

Lys His

<210> 322
<211> 12
<212> PRT
<213> Plasmodium falciparum

<400> 322
Lys Lys Asn Ile Glu Ser Ile Gln Asn Lys Lys His
1 5 10

<210> 323
<211> 11
<212> PRT
<213> Plasmodium falciparum

<400> 323
Lys Asn Ile Glu Ser Ile Gln Asn Lys Lys His
1 5 10

<210> 324
<211> 17
<212> PRT
<213> Plasmodium falciparum

<400> 324
Lys Asn Asn Ala Glu Glu Met Lys Asn Leu Val Asn Phe Leu Gln Ser
1 5 10 15

His

<210> 325
<211> 23
<212> PRT
<213> Plasmodium falciparum

<400> 325
Lys Lys Leu Ile Lys Ala Leu Lys Lys Asn Ile Glu Ser Ile Gln Asn
1 5 10 15

Lys Lys Gln Gly His Lys Lys
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<210> 326
<211> 19
<212> PRT
<213> Plasmodium falciparum

<400> 326
Lys Lys Asn Asn Ala Glu Glu Met Lys Asn Leu Val Asn Phe Leu Gln
1 5 10 15

Ser His Lys

<210> 327
<211> 17
<212> PRT
<213> Plasmodium falciparum

<400> 327
Lys Asn Asn Ala Glu Glu Met Lys Asn Leu Val Asn Phe Leu Gln Ser
1 5 10 15

His

<210> 328
<211> 22
<212> PRT
<213> Plasmodium falciparum

<400> 328
Lys Leu Ile Lys Ala Leu Lys Lys Asn Ile Glu Ser Ile Gln Asn Lys
1 5 10 15

Lys Gln Gly His Lys Lys
20

<210> 329
<211> 28
<212> PRT
<213> Plasmodium falciparum

<400> 329
Lys Val Lys Lys Ile Gly Val Thr Leu Lys Lys Phe Glu Pro Leu Lys
1 5 10 15

Asn Gly Asn Val Ser Glu Thr Ile Lys Leu Ile His
20 25

<210> 330
<211> 13
<212> PRT
<213> Plasmodium falciparum

<400> 330
Lys Asn Gly Asn Val Ser Glu Thr Ile Lys Leu Ile His
1 5 10

<210> 331
<211> 11
<212> PRT
<213> Plasmodium falciparum

<400> 331
Lys Leu Ile His Leu Gly Asn Lys Asp Lys Lys
1 5 10

<210> 332
<211> 28
<212> PRT
<213> Plasmodium falciparum

<400> 332
Lys Ser Ala Asn Asn Ser Ala Asn Asn Gly Lys Lys Asn Asn Ala Glu
1 5 10 15

Glu Met Lys Asn Leu Val Asn Phe Leu Gln Ser His
20 25

<210> 333
<211> 18
<212> PRT
<213> Plasmodium falciparum

<400> 333
Lys Lys Asn Asn Ala Glu Glu Met Lys Asn Leu Val Asn Phe Leu Gln
1 5 10 15

Ser His

<210> 334
<211> 19
<212> PRT
<213> Plasmodium falciparum

<400> 334
Lys Lys Leu Ile Lys Ala Leu Lys Lys Asn Ile Glu Ser Ile Gln Asn
1 5 10 15

Lys Lys His

<210> 335
<211> 15
<212> PRT
<213> Plasmodium falciparum

<400> 335
Lys Ala Leu Lys Lys Asn Ile Glu Ser Ile Gln Asn Lys Lys His
1 5 10 15

<210> 336
<211> 12
<212> PRT
<213> Plasmodium falciparum

<400> 336
Lys Lys Asn Ile Glu Ser Ile Gln Asn Lys Lys His
1 5 10

<210> 337
<211> 27
<212> PRT
<213> Plasmodium falciparum

<400> 337
Lys Glu Leu Met Asn Gln Lys Ala Thr Tyr Ser Phe Val Asn Thr Lys
1 5 10 15

Lys Lys Ile Ile Ser Leu Lys Ser Gln Gly His
20 25

<210> 338
<211> 7
<212> PRT
<213> Plasmodium falciparum

<400> 338
Lys Ser Gln Gly His Lys Lys
1 5

<210> 339
<211> 12
<212> PRT
<213> Plasmodium falciparum

<400> 339
Lys Lys Lys Ile Ile Ser Leu Lys Ser Gln Gly His
1 5 10

<210> 340
<211> 11
<212> PRT
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<400> 340
Lys Lys Ile Ile Ser Leu Lys Ser Gln Gly His
1 5 10

<210> 341
<211> 12
<212> PRT
<213> Plasmodium falciparum

<400> 341
Lys Lys Asn Ile Glu Ser Ile Gln Asn Lys Lys His
1 5 10

<210> 342
<211> 11
<212> PRT
<213> Plasmodium falciparum

<400> 342
Lys Asn Ile Glu Ser Ile Gln Asn Lys Lys His
1 5 10

<210> 343
<211> 29
<212> PRT
<213> Plasmodium falciparum

<400> 343
His Thr Tyr Val Lys Gly Lys Lys Ala Pro Ser Asp Pro Gln Cys Ala
1 5 10 15

Asp Ile Lys Glu Glu Cys Lys Glu Leu Leu Lys Glu Lys
20 25

<210> 344
<211> 27
<212> PRT
<213> Plasmodium falciparum

<400> 344
His Thr Tyr Val Lys Gly Lys Lys Ala Pro Ser Asp Pro Gln Cys Ala
1 5 10 15

Asp Ile Lys Glu Glu Cys Lys Glu Leu Leu Lys
20 25

<210> 345
<211> 29
<212> PRT
<213> Plasmodium falciparum

<400> 345
His Glu Asn Val Leu Ser Ala Ala Leu Glu Asn Thr Gln Ser Glu Glu
1 5 10 15

Glu Lys Lys Glu Val Ile Asp Val Ile Glu Glu Val Lys
20 25

<210> 346
<211> 48
<212> PRT
<213> Plasmodium falciparum

<400> 346
Lys Glu Asn Val Val Thr Thr Ile Leu Glu Lys Val Glu Glu Thr Thr
1 5 10 15

Ala Glu Ser Val Thr Thr Phe Ser Asn Ile Leu Glu Glu Ile Gln Glu
20 25 30

Asn Thr Ile Thr Asn Asp Thr Ile Glu Glu Lys Leu Glu Glu Leu His
35 40 45

<210> 347
<211> 14
<212> PRT
<213> Plasmodium falciparum

<400> 347
His Tyr Leu Gln Gln Met Lys Glu Lys Phe Ser Lys Glu Lys
1 5 10

<210> 348
<211> 42
<212> PRT
<213> Plasmodium falciparum

<400> 348
His Tyr Leu Gln Gln Met Lys Glu Lys Phe Ser Lys Glu Lys Asn Asn
1 5 10 15

Asn Val Ile Glu Val Thr Asn Lys Ala Glu Lys Lys Gly Asn Val Gln
20 25 30

Val Thr Asn Lys Thr Glu Lys Thr Thr Lys
35 40

<210> 349
<211> 48
<212> PRT
<213> Plasmodium falciparum

<400> 349
His Tyr Leu Gln Gln Met Lys Glu Lys Phe Ser Lys Glu Lys Asn Asn
1 5 10 15

Asn Val Ile Glu Val Thr Asn Lys Ala Glu Lys Lys Gly Asn Val Gln
20 25 30

Val Thr Asn Lys Thr Glu Lys Thr Thr Lys Val Asp Lys Asn Asn Lys
35 40 45

<210> 350
<211> 57
<212> PRT
<213> Plasmodium falciparum

<400> 350
His Tyr Leu Gln Gln Met Lys Glu Lys Phe Ser Lys Glu Lys Asn Asn
1 5 10 15

Asn Val Ile Glu Val Thr Asn Lys Ala Glu Lys Lys Gly Asn Val Gln
20 25 30

Val Thr Asn Lys Thr Glu Lys Thr Thr Lys Val Asp Lys Asn Asn Lys
35 40 45

Val Pro Lys Lys Arg Arg Thr Gln Lys
50 55

<210> 351
<211> 59
<212> PRT
<213> Plasmodium falciparum

<400> 351
His Tyr Leu Gln Gln Met Lys Glu Lys Phe Ser Lys Glu Lys Asn Asn
1 5 10 15

Asn Val Ile Glu Val Thr Asn Lys Ala Glu Lys Lys Gly Asn Val Gln
20 25 30

Val Thr Asn Lys Thr Glu Lys Thr Thr Lys Val Asp Lys Asn Asn Lys
35 40 45

Val Pro Lys Lys Arg Arg Thr Gln Lys Ser Lys
50 55

<210> 352
<211> 52
<212> PRT
<213> Plasmodium falciparum

<400> 352
His Val Asp Glu Val Met Lys Tyr Val Gln Lys Ile Asp Lys Glu Val
1 5 10 15

Asp Lys Glu Val Ser Lys Ala Leu Glu Ser Lys Asn Asp Val Thr Asn
20 25 30

Val Leu Lys Gln Asn Gln Asp Phe Phe Ser Lys Val Lys Asn Phe Val
35 40 45

Lys Lys Tyr Lys
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<210> 353
<211> 50
<212> PRT
<213> Plasmodium falciparum

<400> 353
His Val Asp Glu Val Met Lys Tyr Val Gln Lys Ile Asp Lys Glu Val
1 5 10 15

Asp Lys Glu Val Ser Lys Ala Leu Glu Ser Lys Asn Asp Val Thr Asn
20 25 30

Val Leu Lys Gln Asn Gln Asp Phe Phe Ser Lys Val Lys Asn Phe Val
35 40 45

Lys Lys
50

<210> 354
<211> 43
<212> PRT
<213> Plasmodium falciparum

<400> 354
His Val Asp Glu Val Met Lys Tyr Val Gln Lys Ile Asp Lys Glu Val
1 5 10 15

Asp Lys Glu Val Ser Lys Ala Leu Glu Ser Lys Asn Asp Val Thr Asn
20 25 30

Val Leu Lys Gln Asn Gln Asp Phe Phe Ser Lys
35 40

<210> 355
<211> 35
<212> PRT
<213> Plasmodium falciparum

<400> 355
His Val Asp Glu Val Met Lys Tyr Val Gln Lys Ile Asp Lys Glu Val
1 5 10 15

Asp Lys Glu Val Ser Lys Ala Leu Glu Ser Lys Asn Asp Val Thr Asn
20 25 30

Val Leu Lys
35

<210> 356
<211> 27
<212> PRT
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<400> 356
His Val Asp Glu Val Met Lys Tyr Val Gln Lys Ile Asp Lys Glu Val
1 5 10 15

Asp Lys Glu Val Ser Lys Ala Leu Glu Ser Lys
20 25

<210> 357
<211> 22
<212> PRT
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<400> 357
His Val Asp Glu Val Met Lys Tyr Val Gln Lys Ile Asp Lys Glu Val
1 5 10 15

Asp Lys Glu Val Ser Lys
20

<210> 358
<211> 18
<212> PRT
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<400> 358
His Val Asp Glu Val Met Lys Tyr Val Gln Lys Ile Asp Lys Glu Val
1 5 10 15

Asp Lys

<210> 359
<211> 14
<212> PRT
<213> Plasmodium falciparum

<400> 359
His Val Asp Glu Val Met Lys Tyr Val Gln Lys Ile Asp Lys
1 5 10

<210> 360
<211> 39
<212> PRT
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<400> 360
Lys Asp Glu Val Ile Asp Leu Ile Val Gln Lys Glu Lys Arg Ile Glu
1 5 10 15

Lys Val Lys Ala Lys Lys Lys Lys Leu Glu Lys Lys Val Glu Glu Gly
20 25 30

Val Ser Gly Leu Lys Lys His
35

<210> 361
<211> 23
<212> PRT
<213> Plasmodium falciparum

<400> 361
Lys Val Lys Ala Lys Lys Lys Lys Leu Glu Lys Lys Val Glu Glu Gly
1 5 10 15

Val Ser Gly Leu Lys Lys His
20

<210> 362
<211> 21
<212> PRT
<213> Plasmodium falciparum

<400> 362
Lys Ala Lys Lys Lys Lys Leu Glu Lys Lys Val Glu Glu Gly Val Ser
1 5 10 15

Gly Leu Lys Lys His
20

<210> 363
<211> 19
<212> PRT
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<400> 363
Lys Lys Lys Lys Leu Glu Lys Lys Val Glu Glu Gly Val Ser Gly Leu
1 5 10 15

Lys Lys His

<210> 364
<211> 18
<212> PRT
<213> Plasmodium falciparum

<400> 364
Lys Lys Lys Leu Glu Lys Lys Val Glu Glu Gly Val Ser Gly Leu Lys
1 5 10 15

Lys His

<210> 365
<211> 17
<212> PRT
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<400> 365
Lys Lys Leu Glu Lys Lys Val Glu Glu Gly Val Ser Gly Leu Lys Lys
1 5 10 15

His

<210> 366
<211> 16
<212> PRT
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<400> 366
Lys Leu Glu Lys Lys Val Glu Glu Gly Val Ser Gly Leu Lys Lys His
1 5 10 15

<210> 367
<211> 13
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<400> 367
Lys Lys Val Glu Glu Gly Val Ser Gly Leu Lys Lys His
1 5 10

<210> 368
<211> 12
<212> PRT
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<400> 368
Lys Val Glu Glu Gly Val Ser Gly Leu Lys Lys His
1 5 10

<210> 369
<211> 59

<212> PRT
<213> Plasmodium falciparum

<400> 369
His Val Glu Gln Asn Val Tyr Val Asp Val Asp Val Pro Ala Met Lys
1 5 10 15

Asp Gln Phe Leu Gly Ile Leu Asn Glu Ala Gly Gly Leu Lys Glu Met
20 25 30

Phe Phe Asn Leu Glu Asp Val Phe Lys Ser Glu Ser Asp Val Ile Thr
35 40 45

Val Glu Glu Ile Lys Asp Glu Pro Val Gln Lys
50 55

<210> 370
<211> 53
<212> PRT
<213> Plasmodium falciparum

<400> 370
His Ile Lys Gly Leu Glu Glu Asp Asp Leu Glu Glu Val Asp Asp Leu
1 5 10 15

Lys Gly Ser Ile Leu Asp Met Leu Lys Gly Asp Met Glu Leu Gly Asp
20 25 30

Met Asp Lys Glu Ser Leu Glu Asp Val Thr Thr Lys Leu Gly Glu Arg
35 40 45

Val Glu Ser Leu Lys
50

<210> 371
<211> 44
<212> PRT
<213> Plasmodium falciparum

<400> 371
His Ile Lys Gly Leu Glu Glu Asp Asp Leu Glu Glu Val Asp Asp Leu
1 5 10 15

Lys Gly Ser Ile Leu Asp Met Leu Lys Gly Asp Met Glu Leu Gly Asp
20 25 30

Met Asp Lys Glu Ser Leu Glu Asp Val Thr Thr Lys
35 40

<210> 372
<211> 35
<212> PRT
<213> Plasmodium falciparum

<400> 372
His Ile Lys Gly Leu Glu Glu Asp Asp Leu Glu Glu Val Asp Asp Leu
1 5 10 15

Lys Gly Ser Ile Leu Asp Met Leu Lys Gly Asp Met Glu Leu Gly Asp
20 25 30

Met Asp Lys
35

<210> 373
<211> 25
<212> PRT
<213> Plasmodium falciparum

<400> 373
His Ile Lys Gly Leu Glu Glu Asp Asp Leu Glu Glu Val Asp Asp Leu
1 5 10 15

Lys Gly Ser Ile Leu Asp Met Leu Lys
20 25

<210> 374
<211> 31
<212> PRT
<213> Plasmodium falciparum

<400> 374
His Ile Ile Ser Gly Asp Ala Asp Val Leu Ser Ser Ala Leu Gly Met
1 5 10 15

Asp Glu Glu Gln Met Lys Thr Arg Lys Lys Ala Gln Arg Pro Lys
20 25 30

<210> 375
<211> 23
<212> PRT
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<400> 375
His Asp Ile Thr Thr Thr Leu Asp Glu Val Val Glu Leu Lys Asp Val
1 5 10 15

Glu Glu Asp Lys Ile Glu Lys
20

<210> 376
<211> 10
<212> PRT
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<400> 376
Lys Lys Leu Glu Glu Val His Glu Leu Lys
1 5 10

<210> 377
<211> 9
<212> PRT
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<400> 377
Lys Leu Glu Glu Val His Glu Leu Lys
1 5

<210> 378
<211> 19
<212> PRT
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<400> 378
Lys Thr Ile Glu Thr Asp Ile Leu Glu Glu Lys Lys Lys Glu Ile Glu
1 5 10 15

Lys Asp His

<210> 379
<211> 11
<212> PRT
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<400> 379
Lys Lys Glu Ile Glu Lys Asp His Phe Glu Lys
1 5 10

<210> 380
<211> 6
<212> PRT
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<400> 380
Lys Asp His Phe Glu Lys
1 5

<210> 381
<211> 11
<212> PRT
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<400> 381
Lys Phe Glu Glu Glu Ala Glu Glu Ile Lys His
1 5 10

<210> 382
<211> 47
<212> PRT
<213> Plasmodium falciparum

<400> 382
Lys Asp Gly Asp Thr Lys Cys Thr Leu Glu Cys Ala Gln Gly Lys Lys
1 5 10 15

Cys Ile Lys His Lys Ser Asp His Asn His Lys Ser Asp His Asn His
20 25 30

Lys Ser Asp Pro Asn His Lys Lys Lys Asn Asn Asn Asn Asn Lys
35 40 45

<210> 383
<211> 40
<212> PRT
<213> Plasmodium falciparum

<400> 383
Lys Asp Gly Asp Thr Lys Cys Thr Leu Glu Cys Ala Gln Gly Lys Lys
1 5 10 15

Cys Ile Lys His Lys Ser Asp His Asn His Lys Ser Asp His Asn His
20 25 30

Lys Ser Asp Pro Asn His Lys Lys
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1 5 10 15

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Lys Ser Asp Pro Asn His Lys
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<211> 33
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<400> 385
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1 5 10 15

Cys Ile Lys His Lys Ser Asp His Asn His Lys Ser Asp His Asn His
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Lys

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<400> 386
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1 5 10 15

Cys Ile Lys His Lys Ser Asp His Asn His Lys
20 25

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<400> 387
Lys Asp Gly Asp Thr Lys Cys Thr Leu Glu Cys Ala Gln Gly Lys Lys
1 5 10 15

Cys Ile Lys His Lys
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<210> 388
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<400> 388
Lys Asp Gly Asp Thr Lys Cys Thr Leu Glu Cys Ala Gln Gly Lys Lys
1 5 10 15

<210> 389
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<400> 389
Lys Asp Gly Asp Thr Lys Cys Thr Leu Glu Cys Ala Gln Gly Lys
1 5 10 15

<210> 390
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<400> 390
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Cys Val Trp Asp Gly Ile His
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Lys Glu Cys Gly Glu Gln Lys Cys Val Trp Asp Gly Ile His
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<210> 392
<211> 32
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<400> 392
His Ile Glu Cys Lys Cys Asn Asn Asp Tyr Val Leu Thr Asn Arg Tyr
1 5 10 15

Glu Cys Glu Pro Lys Asn Lys Cys Thr Ser Leu Glu Asp Thr Asn Lys
20 25 30

<210> 393
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<400> 393
Lys Ser Asp His Asn His Lys Ser Asp His Asn His Lys Ser Asp His
1 5 10 15

Asn His Lys Ser Asp His Asn His Lys Ser Asp Pro Asn His Lys Lys
20 25 30

Lys Asn Asn Asn Asn Asn Lys
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<210> 394
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<400> 394
Lys Ser Asp His Asn His Lys Ser Asp His Asn His Lys Ser Asp His
1 5 10 15

Asn His Lys Ser Asp Pro Asn His Lys Lys Lys Asn Asn Asn Asn Asn
20 25 30

Lys

<210> 395
<211> 27

<212> PRT
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<400> 395
Lys Ser Asp His Asn His Lys Ser Asp His Asn His Lys Ser Asp Pro
1 5 10 15

Asn His Lys Lys Lys Asn Asn Asn Asn Asn Lys
20 25

<210> 396
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<400> 396
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1 5 10 15

Asn Asn Asn Asn Lys
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<210> 397
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<400> 397
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His Lys

<210> 398
<211> 17
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<400> 398
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Lys

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<400> 399
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<400> 401
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<210> 402
<211> 35
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<400> 402
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1 5 10 15

Asn Glu Lys Asp Gln Asn Glu Ile Lys Lys Ile Lys Gln Leu Ile Glu
20 25 30

Lys Asn Lys
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<210> 403
<211> 28
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<400> 403
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20 25

<210> 404
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<400> 404
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1 5 10 15

Asn Glu Lys Asp Gln Asn Glu Ile Lys Lys
20 25

<210> 405
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1 5 10 15

Asn Glu Lys Asp Gln Asn Glu Ile Lys
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<210> 406
<211> 11
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<400> 406
His Lys Leu Glu Asn Leu Glu Glu Met Asp Lys
1 5 10

<210> 407
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<212> PRT
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<400> 407
Lys His Phe Asp Asp Asn Thr Asn Glu Gln Lys
1 5 10

<210> 408
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<400> 408
Lys Lys Glu Asp Asp Glu Lys His
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<210> 409
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<212> PRT
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<400> 409
Lys Glu Glu Asn Asn Lys Lys Glu Asp Asp Glu Lys His
1 5 10

<210> 410
<211> 21
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<400> 410
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Asp Asp Glu Lys His
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<210> 411
<211> 7
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<400> 411
Lys Asn Ile His Ile Lys Lys
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<210> 412
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<400> 412
His Ile Lys Lys Lys Glu Gly Ile Asp Ile Gly Tyr Lys
1 5 10

<210> 413
<211> 21
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<400> 413
Lys Lys Met Trp Thr Cys Lys Leu Trp Asp Asn Lys Gly Asn Glu Ile
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Thr Lys Asn Ile His
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<210> 414
<211> 30
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<400> 414
Lys Lys Gly Ile Gln Trp Asn Leu Leu Lys Lys Met Trp Thr Cys Lys
1 5 10 15

Leu Trp Asp Asn Lys Gly Asn Glu Ile Thr Lys Asn Ile His
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<210> 415
<211> 50
<212> PRT
<213> Plasmodium falciparum

<400> 415
Lys Glu Lys Lys Asp Ser Asn Glu Asn Arg Lys Lys Lys Gln Lys Glu
1 5 10 15

Asp Lys Lys Asn Pro Asn Lys Leu Lys Lys Ile Glu Tyr Thr Asn Lys
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Ile Thr His Phe Phe Lys Ala Lys Asn Asn Lys Gln Gln Asn Asn Val
35 40 45

Thr His
50

<210> 416
<211> 48
<212> PRT
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<400> 416
Lys Lys Asp Ser Asn Glu Asn Arg Lys Lys Lys Gln Lys Glu Asp Lys
1 5 10 15

Lys Asn Pro Asn Lys Leu Lys Lys Ile Glu Tyr Thr Asn Lys Ile Thr
20 25 30

His Phe Phe Lys Ala Lys Asn Asn Lys Gln Gln Asn Asn Val Thr His
35 40 45

<210> 417
<211> 47
<212> PRT
<213> Plasmodium falciparum

<400> 417
Lys Asp Ser Asn Glu Asn Arg Lys Lys Lys Gln Lys Glu Asp Lys Lys
1 5 10 15

Asn Pro Asn Lys Leu Lys Lys Ile Glu Tyr Thr Asn Lys Ile Thr His
20 25 30

Phe Phe Lys Ala Lys Asn Asn Lys Gln Gln Asn Asn Val Thr His
35 40 45

<210> 418
<211> 39
<212> PRT
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<400> 418
Lys Lys Gln Lys Glu Asp Lys Lys Asn Pro Asn Lys Leu Lys Lys Ile
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Glu Tyr Thr Asn Lys Ile Thr His Phe Phe Lys Ala Lys Asn Asn Lys
20 25 30

Gln Gln Asn Asn Val Thr His
35

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<211> 38
<212> PRT
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<400> 419
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Tyr Thr Asn Lys Ile Thr His Phe Phe Lys Ala Lys Asn Asn Lys Gln
20 25 30

Gln Asn Asn Val Thr His
35

<210> 420
<211> 36
<212> PRT
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<400> 420
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1 5 10 15

Asn Lys Ile Thr His Phe Phe Lys Ala Lys Asn Asn Lys Gln Gln Asn
20 25 30

Asn Val Thr His
35

<210> 421
<211> 32
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<400> 421
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1 5 10 15

His Phe Phe Lys Ala Lys Asn Asn Lys Gln Gln Asn Asn Val Thr His
20 25 30

<210> 422
<211> 26

<212> PRT
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<400> 422
Lys Lys Ile Glu Tyr Thr Asn Lys Ile Thr His Phe Phe Lys Ala Lys
1 5 10 15

Asn Asn Lys Gln Gln Asn Asn Val Thr His
20 25

<210> 423
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<212> PRT
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<400> 423
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1 5 10 15

Asn Lys Gln Gln Asn Asn Val Thr His
20 25

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<400> 424
Lys Ile Thr His Phe Phe Lys Ala Lys Asn Asn Lys Gln Gln Asn Asn
1 5 10 15

Val Thr His

<210> 425
<211> 48
<212> PRT
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<400> 425
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1 5 10 15

Asn Asp Asn Ser Lys Asp Ile Lys Asn Asp Asn Ser Lys Asp Ile Lys
20 25 30

Asn Asp Asn Asn Glu Asp Ile Lys Asn Asp Asn Ser Lys Asp Ile Lys
35 40 45

<210> 426
<211> 45
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<400> 426
His Lys Asn Asn Glu Asp Ile Lys Asn Asp Asn Ser Lys Asp Ile Lys
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Asn Asp Asn Ser Lys Asp Ile Lys Asn Asp Asn Ser Lys Asp Ile Lys
20 25 30

Asn Asp Asn Asn Glu Asp Ile Lys Asn Asp Asn Ser Lys
35 40 45

<210> 427
<211> 40
<212> PRT
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<400> 427
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20 25 30

Asn Asp Asn Asn Glu Asp Ile Lys
35 40

<210> 428
<211> 32
<212> PRT
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<400> 428
His Lys Asn Asn Glu Asp Ile Lys Asn Asp Asn Ser Lys Asp Ile Lys
1 5 10 15

Asn Asp Asn Ser Lys Asp Ile Lys Asn Asp Asn Ser Lys Asp Ile Lys
20 25 30

<210> 429
<211> 29
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<400> 429
His Lys Asn Asn Glu Asp Ile Lys Asn Asp Asn Ser Lys Asp Ile Lys
1 5 10 15

Asn Asp Asn Ser Lys Asp Ile Lys Asn Asp Asn Ser Lys
20 25

<210> 430
<211> 24
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<400> 430
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1 5 10 15

Asn Asp Asn Ser Lys Asp Ile Lys
20

<210> 431
<211> 21
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<400> 431
His Lys Asn Asn Glu Asp Ile Lys Asn Asp Asn Ser Lys Asp Ile Lys
1 5 10 15

Asn Asp Asn Ser Lys
20

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<211> 16
<212> PRT
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<400> 432
His Lys Asn Asn Glu Asp Ile Lys Asn Asp Asn Ser Lys Asp Ile Lys
1 5 10 15

<210> 433
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<212> PRT
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<400> 433
His Lys Asn Asn Glu Asp Ile Lys
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<210> 434
<211> 31
<212> PRT
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<400> 434
Lys Lys Tyr Asp Asp Leu Gln Asn Lys Tyr Asn Ile Leu Asn Lys Leu
1 5 10 15

Lys Asn Ser Leu Glu Glu Lys Asn Glu Glu Leu Lys Lys Tyr His
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<210> 435
<211> 30
<212> PRT
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<400> 435
Lys Tyr Asp Asp Leu Gln Asn Lys Tyr Asn Ile Leu Asn Lys Leu Lys
1 5 10 15

Asn Ser Leu Glu Glu Lys Asn Glu Glu Leu Lys Lys Tyr His
20 25 30

<210> 436
<211> 23
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<400> 436
Lys Tyr Asn Ile Leu Asn Lys Leu Lys Asn Ser Leu Glu Glu Lys Asn
1 5 10 15

Glu Glu Leu Lys Lys Tyr His
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<210> 437
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<400> 437
Lys Leu Lys Asn Ser Leu Glu Glu Lys Asn Glu Glu Leu Lys Lys Tyr
1 5 10 15

His

<210> 438
<211> 15
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<400> 438
Lys Asn Ser Leu Glu Glu Lys Asn Glu Glu Leu Lys Lys Tyr His
1 5 10 15

<210> 439
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<400> 439
Lys Asn Glu Glu Leu Lys Lys Tyr His
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<210> 440
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<212> PRT
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<400> 440
His Met Gly Asn Asn Gln Asp Ile Asn Glu Asn Val Tyr Asn Ile Lys
1 5 10 15

Pro Gln Glu Phe Lys Glu Glu Glu Glu Glu Asp Ile Ser Met Val Asn
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Thr Lys Lys
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<211> 17
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<400> 441
Lys Asn Ser Asn Glu Leu Lys Arg Ile Asn Asp Asn Phe Phe Lys Leu
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His

<210> 442
<211> 55
<212> PRT
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<400> 442
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1 5 10 15

Lys Cys Lys Ile Ser Gln Val Trp Trp Cys Met Pro Val Lys Asp Thr
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Phe Asn Thr Tyr Glu Arg Asn Asn Val Leu Asn Ser Lys Ile Glu Asn
35 40 45

Asn Ile Glu Lys Ile Pro His
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<210> 443
<211> 40
<212> PRT
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<400> 443
His Ile Asn Asn Glu Tyr Thr Asn Lys Asn Pro Lys Asn Cys Leu Leu
1 5 10 15

Tyr Lys Asn Glu Glu Arg Asn Tyr Asn Asp Asn Asn Ile Lys Asp Tyr
20 25 30

Ile Asn Ser Met Asn Phe Lys Lys
35 40

<210> 444
<211> 39
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<400> 444
His Ile Asn Asn Glu Tyr Thr Asn Lys Asn Pro Lys Asn Cys Leu Leu
1 5 10 15

Tyr Lys Asn Glu Glu Arg Asn Tyr Asn Asp Asn Asn Ile Lys Asp Tyr
20 25 30

Ile Asn Ser Met Asn Phe Lys
35

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<211> 18
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<400> 445
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1 5 10 15

Tyr Lys

<210> 446
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<400> 446
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Lys Lys Glu Thr Asn Gly His
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<210> 447
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<400> 447
Lys Thr Asn Gln Ser Lys Gly Val Lys Gly Glu Tyr Glu Lys Lys Lys
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Glu Thr Asn Gly His
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<400> 448
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<400> 449
Lys Gly Glu Tyr Glu Lys Lys Lys Glu Thr Asn Gly His
1 5 10

<210> 450
<211> 28
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<400> 450
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1 5 10 15

Tyr Lys Lys Lys Ser Ser Ser Ser Asn Lys Val His
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1 5 10 15

Val His

<210> 452
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<400> 452
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<210> 453
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<210> 454
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<400> 454
Lys Ser Ser Ser Ser Asn Lys Val His
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<210> 455
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<400> 455
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1 5 10 15

Cys Glu Cys Ser Tyr Lys Lys Lys Ser Ser Ser Ser Asn Lys
20 25 30

<210> 456
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Cys Glu Cys Ser Tyr Lys Lys Lys
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<210> 457
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Cys Glu Cys Ser Tyr Lys Lys
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<210> 458
<211> 22
<212> PRT
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<400> 458
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1 5 10 15

Cys Glu Cys Ser Tyr Lys
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<210> 459
<211> 50
<212> PRT
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<400> 459
Lys Pro Leu Ala Lys Leu Arg Lys Arg Glu Lys Thr Gln Ile Asn Lys
1 5 10 15

Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile Asp Asn Thr Glu Ile Gln
20 25 30

Lys Ile Ile Ile Arg Asp Tyr His Glu Thr Leu Asn Val His Lys Leu
35 40 45

Asp His
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<210> 460
<211> 43
<212> PRT
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<400> 460
Lys Arg Glu Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu Arg Gly Asp
1 5 10 15

Val Ile Ile Asp Asn Thr Glu Ile Gln Lys Ile Ile Ile Arg Asp Tyr
20 25 30

His Glu Thr Leu Asn Val His Lys Leu Asp His
35 40

<210> 461
<211> 40
<212> PRT
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<400> 461
Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile
1 5 10 15

Asp Asn Thr Glu Ile Gln Lys Ile Ile Ile Arg Asp Tyr His Glu Thr
20 25 30

Leu Asn Val His Lys Leu Asp His
35 40

<210> 462
<211> 46
<212> PRT
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<400> 462
Lys Pro Leu Ala Lys Leu Arg Lys Arg Glu Lys Thr Gln Ile Asn Lys
1 5 10 15

Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile Asp Asn Thr Glu Ile Gln
20 25 30

Lys Ile Ile Ile Arg Asp Tyr His Glu Thr Leu Asn Val His
35 40 45

<210> 463
<211> 40
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<400> 463
Lys Pro Leu Ala Lys Leu Arg Lys Arg Glu Lys Thr Gln Ile Asn Lys
1 5 10 15

Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile Asp Asn Thr Glu Ile Gln
20 25 30

Lys Ile Ile Ile Arg Asp Tyr His
35 40

<210> 464
<211> 36
<212> PRT
<213> Plasmodium falciparum

<400> 464
Lys Leu Arg Lys Arg Glu Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu
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Arg Gly Asp Val Ile Ile Asp Asn Thr Glu Ile Gln Lys Ile Ile Ile
20 25 30

Arg Asp Tyr His
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<210> 465
<211> 33
<212> PRT
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<400> 465
Lys Arg Glu Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu Arg Gly Asp
1 5 10 15

Val Ile Ile Asp Asn Thr Glu Ile Gln Lys Ile Ile Ile Arg Asp Tyr
20 25 30

His

<210> 466
<211> 30
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<400> 466
Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile
1 5 10 15

Asp Asn Thr Glu Ile Gln Lys Ile Ile Ile Arg Asp Tyr His
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<210> 467
<211> 41
<212> PRT
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<400> 467
Lys Lys Asp Lys Glu Lys Lys Lys Asp Ser Asn Glu Asn Arg Lys Lys
1 5 10 15

Lys Gln Lys Glu Asp Lys Lys Asn Pro Asn Asp Asn Lys Leu Lys Lys
20 25 30

Ile Glu Tyr Thr Asn Lys Ile Thr His
35 40

<210> 468
<211> 40
<212> PRT
<213> Plasmodium falciparum

<400> 468
Lys Asp Lys Glu Lys Lys Lys Asp Ser Asn Glu Asn Arg Lys Lys Lys
1 5 10 15

Gln Lys Glu Asp Lys Lys Asn Pro Asn Asp Asn Lys Leu Lys Lys Ile
20 25 30

Glu Tyr Thr Asn Lys Ile Thr His
35 40

<210> 469
<211> 38
<212> PRT
<213> Plasmodium falciparum

<400> 469
Lys Glu Lys Lys Lys Asp Ser Asn Glu Asn Arg Lys Lys Lys Gln Lys
1 5 10 15

Glu Asp Lys Lys Asn Pro Asn Asp Asn Lys Leu Lys Lys Ile Glu Tyr
20 25 30

Thr Asn Lys Ile Thr His
35

<210> 470
<211> 36
<212> PRT
<213> Plasmodium falciparum

<400> 470
Lys Lys Lys Asp Ser Asn Glu Asn Arg Lys Lys Lys Gln Lys Glu Asp
1 5 10 15

Lys Lys Asn Pro Asn Asp Asn Lys Leu Lys Lys Ile Glu Tyr Thr Asn
20 25 30

Lys Ile Thr His
35

<210> 471
<211> 35
<212> PRT
<213> Plasmodium falciparum

<400> 471
Lys Lys Asp Ser Asn Glu Asn Arg Lys Lys Lys Gln Lys Glu Asp Lys
1 5 10 15

Lys Asn Pro Asn Asp Asn Lys Leu Lys Lys Ile Glu Tyr Thr Asn Lys
20 25 30

Ile Thr His
35

<210> 472
<211> 34
<212> PRT
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<400> 472
Lys Asp Ser Asn Glu Asn Arg Lys Lys Lys Gln Lys Glu Asp Lys Lys
1 5 10 15

Asn Pro Asn Asp Asn Lys Leu Lys Lys Ile Glu Tyr Thr Asn Lys Ile
20 25 30

Thr His

<210> 473
<211> 27
<212> PRT
<213> Plasmodium falciparum

<400> 473
Lys Lys Lys Gln Lys Glu Asp Lys Lys Asn Pro Asn Asp Asn Lys Leu
1 5 10 15

Lys Lys Ile Glu Tyr Thr Asn Lys Ile Thr His
20 25

<210> 474
<211> 26
<212> PRT
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<400> 474
Lys Lys Gln Lys Glu Asp Lys Lys Asn Pro Asn Asp Asn Lys Leu Lys
1 5 10 15

Lys Ile Glu Tyr Thr Asn Lys Ile Thr His
20 25

<210> 475
<211> 25
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<400> 475
Lys Gln Lys Glu Asp Lys Lys Asn Pro Asn Asp Asn Lys Leu Lys Lys
1 5 10 15

Ile Glu Tyr Thr Asn Lys Ile Thr His
20 25

<210> 476
<211> 23
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<400> 476
Lys Glu Asp Lys Lys Asn Pro Asn Asp Asn Lys Leu Lys Lys Ile Glu
1 5 10 15

Tyr Thr Asn Lys Ile Thr His
20

<210> 477
<211> 20
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<400> 477
Lys Lys Asn Pro Asn Asp Asn Lys Leu Lys Lys Ile Glu Tyr Thr Asn
1 5 10 15

Lys Ile Thr His
20

<210> 478
<211> 19
<212> PRT
<213> Plasmodium falciparum

<400> 478
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1 5 10 15

Ile Thr His

<210> 479
<211> 13
<212> PRT
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<400> 479
Lys Leu Lys Lys Ile Glu Tyr Thr Asn Lys Ile Thr His
1 5 10

<210> 480
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<212> PRT
<213> Plasmodium falciparum

<400> 480
Lys Lys Ile Glu Tyr Thr Asn Lys Ile Thr His
1 5 10

<210> 481
<211> 10
<212> PRT
<213> Plasmodium falciparum

<400> 481
Lys Ile Glu Tyr Thr Asn Lys Ile Thr His
1 5 10

<210> 482
<211> 44
<212> PRT
<213> Plasmodium falciparum

<400> 482
His Gly Gln Ile Lys Ile Glu Asp Val Asn Asn Glu Asn Phe Asn Asn
1 5 10 15

Glu Gln Met Lys Asn Lys Tyr Asn Asp Glu Glu Lys Met Asp Ile Ser
20 25 30

Lys Ser Lys Ser Leu Lys Ser Asp Phe Leu Glu Lys
35 40

<210> 483
<211> 38
<212> PRT
<213> Plasmodium falciparum

<400> 483
His Gly Gln Ile Lys Ile Glu Asp Val Asn Asn Glu Asn Phe Asn Asn
1 5 10 15

Glu Gln Met Lys Asn Lys Tyr Asn Asp Glu Glu Lys Met Asp Ile Ser
20 25 30

Lys Ser Lys Ser Leu Lys
35

<210> 484
<211> 35
<212> PRT
<213> Plasmodium falciparum

<400> 484
His Gly Gln Ile Lys Ile Glu Asp Val Asn Asn Glu Asn Phe Asn Asn
1 5 10 15

Glu Gln Met Lys Asn Lys Tyr Asn Asp Glu Glu Lys Met Asp Ile Ser
20 25 30

Lys Ser Lys
35

<210> 485
<211> 33
<212> PRT
<213> Plasmodium falciparum

<400> 485
His Gly Gln Ile Lys Ile Glu Asp Val Asn Asn Glu Asn Phe Asn Asn
1 5 10 15

Glu Gln Met Lys Asn Lys Tyr Asn Asp Glu Glu Lys Met Asp Ile Ser
20 25 30

Lys

<210> 486
<211> 31
<212> PRT

<213> Plasmodium falciparum

<400> 486
Lys Lys Tyr Asp Asp Leu Gln Asn Lys Tyr Asn Ile Leu Asn Lys Leu
1 5 10 15

Lys Asn Ser Leu Glu Glu Lys Asn Glu Glu Leu Lys Lys Tyr His
20 25 30

<210> 487
<211> 30
<212> PRT
<213> Plasmodium falciparum

<400> 487
Lys Tyr Asp Asp Leu Gln Asn Lys Tyr Asn Ile Leu Asn Lys Leu Lys
1 5 10 15

Asn Ser Leu Glu Glu Lys Asn Glu Glu Leu Lys Lys Tyr His
20 25 30

<210> 488
<211> 23
<212> PRT
<213> Plasmodium falciparum

<400> 488
Lys Tyr Asn Ile Leu Asn Lys Leu Lys Asn Ser Leu Glu Glu Lys Asn
1 5 10 15

Glu Glu Leu Lys Lys Tyr His
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<210> 489
<211> 17
<212> PRT
<213> Plasmodium falciparum

<400> 489
Lys Leu Lys Asn Ser Leu Glu Glu Lys Asn Glu Glu Leu Lys Lys Tyr
1 5 10 15

His

<210> 490
<211> 15
<212> PRT
<213> Plasmodium falciparum

<400> 490
Lys Asn Ser Leu Glu Glu Lys Asn Glu Glu Leu Lys Lys Tyr His
1 5 10 15

<210> 491
<211> 9
<212> PRT
<213> Plasmodium falciparum

<400> 491
Lys Asn Glu Glu Leu Lys Lys Tyr His
1 5

<210> 492
<211> 44
<212> PRT
<213> Plasmodium falciparum

<400> 492
His Met Gly Asn Asn Gln Asp Ile Asn Glu Asn Val Tyr Asn Ile Lys
1 5 10 15

Pro Gln Glu Phe Lys Glu Glu Glu Glu Glu Asp Ile Ser Met Val Asn
20 25 30

Thr Lys Lys Cys Asp Asp Ile Gln Glu Asn Ile Lys
35 40

<210> 493
<211> 50
<212> PRT
<213> Plasmodium falciparum

<400> 493
Lys Thr Asn Leu Tyr Asn Ile Tyr Asn Asn Lys Asn Asp Asp Lys Asp
1 5 10 15

Asn Ile Leu Asp Asn Glu Asn Arg Glu Gly Leu Tyr Leu Cys Asp Val
20 25 30

Met Lys Asn Ser Asn Glu Leu Lys Arg Ile Asn Asp Asn Phe Phe Lys
35 40 45

Leu His
50

<210> 494
<211> 17
<212> PRT
<213> Plasmodium falciparum

<400> 494
Lys Asn Ser Asn Glu Leu Lys Arg Ile Asn Asp Asn Phe Phe Lys Leu
1 5 10 15

His

<210> 495
<211> 11
<212> PRT
<213> Plasmodium falciparum

<400> 495
Lys Arg Ile Asn Asp Asn Phe Phe Lys Leu His
1 5 10

<210> 496
<211> 40
<212> PRT
<213> Plasmodium falciparum

<400> 496
His Ile Asn Asn Glu Tyr Thr Asn Lys Asn Pro Lys Asn Cys Leu Leu
1 5 10 15

Tyr Lys Asn Glu Glu Arg Asn Tyr Asn Asp Asn Asn Ile Lys Asp Tyr
20 25 30

Ile Asn Ser Met Asn Phe Lys Lys
35 40

<210> 497
<211> 39
<212> PRT
<213> Plasmodium falciparum

<400> 497
His Ile Asn Asn Glu Tyr Thr Asn Lys Asn Pro Lys Asn Cys Leu Leu
1 5 10 15

Tyr Lys Asn Glu Glu Arg Asn Tyr Asn Asp Asn Asn Ile Lys Asp Tyr
20 25 30

Ile Asn Ser Met Asn Phe Lys
35

<210> 498
<211> 18
<212> PRT
<213> Plasmodium falciparum

<400> 498
His Ile Asn Asn Glu Tyr Thr Asn Lys Asn Pro Lys Asn Cys Leu Leu
1 5 10 15

Tyr Lys

<210> 499
<211> 45
<212> PRT
<213> Plasmodium falciparum

<400> 499
Lys Pro Cys Leu Tyr Lys Lys Cys Lys Ile Ser Gln Val Trp Trp Cys
1 5 10 15

Met Pro Val Lys Asp Thr Phe Asn Thr Tyr Glu Arg Asn Asn Val Leu
20 25 30

Asn Ser Lys Ile Glu Asn Asn Ile Glu Lys Ile Pro His
35 40 45

<210> 500
<211> 39
<212> PRT
<213> Plasmodium falciparum

<400> 500
Lys Cys Lys Ile Ser Gln Val Trp Trp Cys Met Pro Val Lys Asp Thr
1 5 10 15

Phe Asn Thr Tyr Glu Arg Asn Asn Val Leu Asn Ser Lys Ile Glu Asn
20 25 30

Asn Ile Glu Lys Ile Pro His
35

<210> 501
<211> 11
<212> PRT
<213> Plasmodium falciparum

<400> 501
Lys Ile Glu Asn Asn Ile Glu Lys Ile Pro His
1 5 10

<210> 502
<211> 23
<212> PRT
<213> Plasmodium falciparum

<400> 502
Lys Asn Lys Thr Asn Gly Ser Lys Gly Val Lys Gly Glu Tyr Glu Lys
1 5 10 15

Lys Lys Glu Thr Asn Gly His
20

<210> 503
<211> 21
<212> PRT
<213> Plasmodium falciparum

<400> 503
Lys Thr Asn Gly Ser Lys Gly Val Lys Gly Glu Tyr Glu Lys Lys Lys
1 5 10 15

Glu Thr Asn Gly His
20

<210> 504
<211> 16
<212> PRT
<213> Plasmodium falciparum

<400> 504
Lys Gly Val Lys Gly Glu Tyr Glu Lys Lys Lys Glu Thr Asn Gly His
1 5 10 15

<210> 505
<211> 13
<212> PRT
<213> Plasmodium falciparum

<400> 505
Lys Gly Glu Tyr Glu Lys Lys Lys Glu Thr Asn Gly His
1 5 10

<210> 506
<211> 60
<212> PRT
<213> Plasmodium falciparum

<400> 506
Lys Thr Ile Glu Lys Ile Asn Lys Ser Lys Ser Trp Phe Phe Glu Glu
1 5 10 15

Leu Asp Glu Ile Asp Lys Pro Leu Ala Lys Leu Arg Lys Arg Glu Lys
20 25 30

Thr Gln Ile Asn Lys Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile Asp
35 40 45

Asn Thr Glu Ile Gln Lys Ile Ile Arg Asp Tyr His
50 55 60

<210> 507
<211> 56
<212> PRT
<213> Plasmodium falciparum

<400> 507
Lys Ile Asn Lys Ser Lys Ser Trp Phe Phe Glu Glu Leu Asp Glu Ile
1 5 10 15

Asp Lys Pro Leu Ala Lys Leu Arg Lys Arg Glu Lys Thr Gln Ile Asn
20 25 30

Lys Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile Asp Asn Thr Glu Ile
35 40 45

Gln Lys Ile Ile Arg Asp Tyr His
50 55

<210> 508
<211> 39
<212> PRT
<213> Plasmodium falciparum

<400> 508
Lys Pro Leu Ala Lys Leu Arg Lys Arg Glu Lys Thr Gln Ile Asn Lys
1 5 10 15

Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile Asp Asn Thr Glu Ile Gln
20 25 30

Lys Ile Ile Arg Asp Tyr His
35

<210> 509
<211> 32
<212> PRT
<213> Plasmodium falciparum

<400> 509
His Ile Met Leu Lys Ser Gln Met Tyr Thr Asn Glu Gly Asn Lys Ser
1 5 10 15

Cys Glu Cys Ser Tyr Lys Lys Lys Ser Ser Ser Ser Asn Lys Val His
20 25 30

<210> 510
<211> 35
<212> PRT
<213> Plasmodium falciparum

<400> 510
Lys Leu Arg Lys Arg Glu Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu
1 5 10 15

Arg Gly Asp Val Ile Ile Asp Asn Thr Glu Ile Gln Lys Ile Ile Arg
20 25 30

Asp Tyr His
35

<210> 511
<211> 32
<212> PRT
<213> Plasmodium falciparum

<400> 511
Lys Arg Glu Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu Arg Gly Asp
1 5 10 15

Val Ile Ile Asp Asn Thr Glu Ile Gln Lys Ile Ile Arg Asp Tyr His
20 25 30

<210> 512
<211> 29
<212> PRT
<213> Plasmodium falciparum

<400> 512
Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile
1 5 10 15

Asp Asn Thr Glu Ile Gln Lys Ile Ile Arg Asp Tyr His
20 25

<210> 513
<211> 48
<212> PRT
<213> Plasmodium falciparum

<400> 513
Lys Pro Leu Ala Lys Leu Arg Lys Arg Glu Lys Thr Gln Ile Asn Lys
1 5 10 15

Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile Asp Asn Thr Glu Ile Gln
20 25 30

Lys Ile Ile Arg Asp Tyr His Thr Leu Asn Val His Lys Leu Asp His
35 40 45

<210> 514
<211> 44
<212> PRT
<213> Plasmodium falciparum

<400> 514
Lys Leu Arg Lys Arg Glu Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu
1 5 10 15

Arg Gly Asp Val Ile Ile Asp Asn Thr Glu Ile Gln Lys Ile Ile Arg
20 25 30

Asp Tyr His Thr Leu Asn Val His Lys Leu Asp His
35 40

<210> 515
<211> 41
<212> PRT
<213> Plasmodium falciparum

<400> 515
Lys Arg Glu Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu Arg Gly Asp
1 5 10 15

Val Ile Ile Asp Asn Thr Glu Ile Gln Lys Ile Ile Arg Asp Tyr His
20 25 30

Thr Leu Asn Val His Lys Leu Asp His
35 40

<210> 516
<211> 38
<212> PRT
<213> Plasmodium falciparum

<400> 516
Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile
1 5 10 15

Asp Asn Thr Glu Ile Gln Lys Ile Ile Arg Asp Tyr His Thr Leu Asn
20 25 30

Val His Lys Leu Asp His
35

<210> 517
<211> 44
<212> PRT
<213> Plasmodium falciparum

<400> 517
Lys Pro Leu Ala Lys Leu Arg Lys Arg Glu Lys Thr Gln Ile Asn Lys
1 5 10 15

Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile Asp Asn Thr Glu Ile Gln
20 25 30

Lys Ile Ile Arg Asp Tyr His Thr Leu Asn Val His
35 40

<210> 518
<211> 40
<212> PRT
<213> Plasmodium falciparum

<400> 518
Lys Leu Arg Lys Arg Glu Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu
1 5 10 15

Arg Gly Asp Val Ile Ile Asp Asn Thr Glu Ile Gln Lys Ile Ile Arg
20 25 30

Asp Tyr His Thr Leu Asn Val His
35 40

<210> 519
<211> 37
<212> PRT
<213> Plasmodium falciparum

<400> 519
Lys Arg Glu Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu Arg Gly Asp
1 5 10 15

Val Ile Ile Asp Asn Thr Glu Ile Gln Lys Ile Ile Arg Asp Tyr His
20 25 30

Thr Leu Asn Val His
35

<210> 520
<211> 34
<212> PRT
<213> Plasmodium falciparum

<400> 520
Lys Thr Gln Ile Asn Lys Thr Lys Tyr Glu Arg Gly Asp Val Ile Ile
1 5 10 15

Asp Asn Thr Glu Ile Gln Lys Ile Ile Arg Asp Tyr His Thr Leu Asn
20 25 30

Val His

<210> 521
<211> 32
<212> PRT
<213> Plasmodium falciparum

<400> 521
His Ile Met Leu Lys Ser Gln Met Tyr Thr Asn Glu Gly Asn Lys Ser
1 5 10 15

Cys Glu Cys Ser Tyr Lys Lys Lys Ser Ser Ser Ser Asn Lys Val His
20 25 30

<210> 522
<211> 28
<212> PRT
<213> Plasmodium falciparum

<400> 522
Lys Ser Gln Met Tyr Thr Asn Glu Gly Asn Lys Ser Cys Glu Cys Ser
1 5 10 15

Tyr Lys Lys Lys Ser Ser Ser Ser Asn Lys Val His
20 25

<210> 523
<211> 18
<212> PRT
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<400> 523
Lys Ser Cys Glu Cys Ser Tyr Lys Lys Lys Ser Ser Ser Ser Asn Lys
1 5 10 15

Val His

<210> 524
<211> 11
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<400> 524
Lys Lys Lys Ser Ser Ser Ser Asn Lys Val His
1 5 10

<210> 525
<211> 10
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<400> 525
Lys Lys Ser Ser Ser Ser Asn Lys Val His
1 5 10

<210> 526
<211> 9
<212> PRT
<213> Plasmodium falciparum

<400> 526
Lys Ser Ser Ser Ser Asn Lys Val His
1 5

<210> 527
<211> 30
<212> PRT
<213> Plasmodium falciparum

<400> 527
His Ile Met Leu Lys Ser Gln Met Tyr Thr Asn Glu Gly Asn Lys Ser
1 5 10 15

Cys Glu Cys Ser Tyr Lys Lys Lys Ser Ser Ser Ser Asn Lys
20 25 30

<210> 528
<211> 24
<212> PRT

<213> Plasmodium falciparum

<400> 528
His Ile Met Leu Lys Ser Gln Met Tyr Thr Asn Glu Gly Asn Lys Ser
1 5 10 15

Cys Glu Cys Ser Tyr Lys Lys Lys
20

<210> 529
<211> 23
<212> PRT
<213> Plasmodium falciparum

<400> 529
His Ile Met Leu Lys Ser Gln Met Tyr Thr Asn Glu Gly Asn Lys Ser
1 5 10 15

Cys Glu Cys Ser Tyr Lys Lys
20

<210> 530
<211> 22
<212> PRT
<213> Plasmodium falciparum

<400> 530
His Ile Met Leu Lys Ser Gln Met Tyr Thr Asn Glu Gly Asn Lys Ser
1 5 10 15

Cys Glu Cys Ser Tyr Lys
20

<210> 531
<211> 36
<212> PRT
<213> Plasmodium falciparum

<400> 531
His Asn Asn His Asn Ile Gln Ile Tyr Lys Asp Lys Arg Ile Asn Phe
1 5 10 15

Met Asn Pro His Lys Val Met Tyr His Asp Asn Met Ser Lys Asn Glu
20 25 30

Arg Thr Glu Lys
35

<210> 532
<211> 30
<212> PRT
<213> Plasmodium falciparum

<400> 532
His Asn Asn His Asn Ile Gln Ile Tyr Lys Asp Lys Arg Ile Asn Phe
1 5 10 15

Met Asn Pro His Lys Val Met Tyr His Asp Asn Met Ser Lys
20 25 30

<210> 533
<211> 21
<212> PRT
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<400> 533
His Asn Asn His Asn Ile Gln Ile Tyr Lys Asp Lys Arg Ile Asn Phe
1 5 10 15

Met Asn Pro His Lys
20

<210> 534
<211> 17
<212> PRT
<213> Plasmodium falciparum

<400> 534
His Lys Val Met Tyr His Asp Asn Met Ser Lys Asn Glu Arg Thr Glu
1 5 10 15

Lys

<210> 535
<211> 11
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<213> Plasmodium falciparum

<400> 535
His Lys Val Met Tyr His Asp Asn Met Ser Lys
1 5 10