SEQUENCE LISTING

<110> Evox Therapeutics Ltd

<120> Exosomes comprising RNA therapeutics

<130> Evox12

<150> GB1718471.4
<151> 2017-11-08

<160> 7

<170> PatentIn version 3.5

<210> 1
<211> 349
<212> PRT
<213> Artificial Sequence

<220>
<223> PUF 531

<400> 1

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Gly Arg Ser Arg Leu Leu Glu Asp Phe Arg Asn Asn Arg Tyr Pro Asn
1               5                  10                  15


Leu Gln Leu Arg Glu Ile Ala Gly His Ile Met Glu Phe Ser Gln Asp
            20                  25                  30


Gln His Gly Ser Arg Phe Ile Glu Leu Lys Leu Glu Arg Ala Thr Pro
        35                  40                  45


Ala Glu Arg Gln Leu Val Phe Asn Glu Ile Leu Gln Ala Ala Tyr Gln
    50                  55                  60


Leu Met Val Asp Val Phe Gly Asn Tyr Val Ile Gln Lys Phe Phe Glu
65                  70                  75                  80


Phe Gly Ser Leu Glu Gln Lys Leu Ala Leu Ala Glu Arg Ile Arg Gly
                85                  90                  95


His Val Leu Ser Leu Ala Leu Gln Met Tyr Gly Ser Arg Val Ile Glu
            100                 105                 110


Lys Ala Leu Glu Phe Ile Pro Ser Asp Gln Gln Asn Glu Met Val Arg
```

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        115                 120                 125

Glu Leu Asp Gly His Val Leu Lys Cys Val Lys Asp Gln Asn Gly Asn
    130                 135                 140

His Val Val Gln Lys Cys Ile Glu Cys Val Gln Pro Gln Ser Leu Gln
145                 150                 155                 160

Phe Ile Ile Asp Ala Phe Lys Gly Gln Val Phe Ala Leu Ser Thr His
                165                 170                 175

Pro Tyr Gly Ser Arg Val Ile Glu Arg Ile Leu Glu His Cys Leu Pro
            180                 185                 190

Asp Gln Thr Leu Pro Ile Leu Glu Glu Leu His Gln His Thr Glu Gln
        195                 200                 205

Leu Val Gln Asp Gln Tyr Gly Asn Tyr Val Ile Gln His Val Leu Glu
    210                 215                 220

His Gly Arg Pro Glu Asp Lys Ser Lys Ile Val Ala Glu Ile Arg Gly
225                 230                 235                 240

Asn Val Leu Val Leu Ser Gln His Lys Phe Ala Ser Asn Val Val Glu
                245                 250                 255

Lys Cys Val Thr His Ala Ser Arg Thr Glu Arg Ala Val Leu Ile Asp
            260                 265                 270

Glu Val Cys Thr Met Asn Asp Gly Pro His Ser Ala Leu Tyr Thr Met
        275                 280                 285

Met Lys Asp Gln Tyr Ala Asn Tyr Val Val Gln Lys Met Ile Asp Val
    290                 295                 300

Ala Glu Pro Gly Gln Arg Lys Ile Val Met His Lys Ile Arg Pro His
305                 310                 315                 320

Ile Ala Thr Leu Arg Lys Tyr Thr Tyr Gly Lys His Ile Leu Ala Lys
                325                 330                 335
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Leu Glu Lys Tyr Tyr Met Lys Asn Gly Val Asp Leu Gly
340 345

<210> 2
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<213> Artificial Sequence

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<223> PUF mRNA loc

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Gly Arg Ser Arg Leu Leu Glu Asp Phe Arg Asn Asn Arg Tyr Pro Asn
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Leu Gln Leu Arg Glu Ile Ala Gly His Ile Met Glu Phe Ser Gln Asp
20 25 30

Gln His Gly Ser Arg Phe Ile Gln Leu Lys Leu Glu Arg Ala Thr Pro
35 40 45

Ala Glu Arg Gln Leu Val Phe Asn Glu Ile Leu Gln Ala Ala Tyr Gln
50 55 60

Leu Met Val Asp Val Phe Gly Asn Tyr Val Ile Gln Lys Phe Phe Glu
65 70 75 80

Phe Gly Ser Leu Glu Gln Lys Leu Ala Leu Ala Glu Arg Ile Arg Gly
85 90 95

His Val Leu Ser Leu Ala Leu Gln Met Tyr Gly Cys Arg Val Ile Gln
100 105 110

Lys Ala Leu Glu Phe Ile Pro Ser Asp Gln Gln Asn Glu Met Val Arg
115 120 125

Glu Leu Asp Gly His Val Leu Lys Cys Val Lys Asp Gln Asn Gly Asn
130 135 140

His Val Val Gln Lys Cys Ile Glu Cys Val Gln Pro Gln Ser Leu Gln
145 150 155 160

```
Phe Ile Ile Asp Ala Phe Lys Gly Gln Val Phe Ala Leu Ser Thr His
                165                 170                 175

Pro Tyr Gly Cys Arg Val Ile Gln Arg Ile Leu Glu His Cys Leu Pro
            180                 185                 190

Asp Gln Thr Leu Pro Ile Leu Glu Glu Leu His Gln His Thr Glu Gln
        195                 200                 205

Leu Val Gln Asp Gln Tyr Gly Ser Tyr Val Ile Glu His Val Leu Glu
    210                 215                 220

His Gly Arg Pro Glu Asp Lys Ser Lys Ile Val Ala Glu Ile Arg Gly
225                 230                 235                 240

Asn Val Leu Val Leu Ser Gln His Lys Phe Ala Asn Asn Val Val Gln
                245                 250                 255

Lys Cys Val Thr His Ala Ser Arg Thr Glu Arg Ala Val Leu Ile Asp
            260                 265                 270

Glu Val Cys Thr Met Asn Asp Gly Pro His Ser Ala Leu Tyr Thr Met
        275                 280                 285

Met Lys Asp Gln Tyr Ala Asn Tyr Val Val Gln Lys Met Ile Asp Val
    290                 295                 300

Ala Glu Pro Gly Gln Arg Lys Ile Val Met His Lys Ile Arg Pro His
305                 310                 315                 320

Ile Ala Thr Leu Arg Lys Tyr Thr Tyr Gly Lys His Ile Leu Ala Lys
                325                 330                 335

Leu Glu Lys Tyr Tyr Met Lys Asn Gly Val Asp Leu Gly
            340                 345
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<210> 3
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<213> Artificial Sequence

<220>
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Gly Arg Ser Arg Leu Leu Glu Asp Phe Arg Asn Asn Arg Tyr Pro Asn
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Leu Gln Leu Arg Glu Ile Ala Gly His Ile Met Glu Phe Ser Gln Asp
            20                  25                  30


Gln His Gly Ser Arg Phe Ile Gln Leu Lys Leu Glu Arg Ala Thr Pro
        35                  40                  45


Ala Glu Arg Gln Leu Val Phe Asn Glu Ile Leu Gln Ala Ala Tyr Gln
    50                  55                  60


Leu Met Val Asp Val Phe Gly Asn Tyr Val Ile Gln Lys Phe Phe Glu
65                  70                  75                  80


Phe Gly Ser Leu Glu Gln Lys Leu Ala Leu Ala Glu Arg Ile Arg Gly
                85                  90                  95


His Val Leu Ser Leu Ala Leu Gln Met Tyr Gly Cys Arg Val Ile Gln
            100                 105                 110


Lys Ala Leu Glu Phe Ile Pro Ser Asp Gln Gln Asn Glu Met Val Arg
        115                 120                 125


Glu Leu Asp Gly His Val Leu Lys Cys Val Lys Asp Gln Asn Gly Asn
    130                 135                 140


His Val Val Gln Lys Cys Ile Glu Cys Val Gln Pro Gln Ser Leu Gln
145                 150                 155                 160


Phe Ile Ile Asp Ala Phe Lys Gly Gln Val Phe Ala Leu Ser Thr His
                165                 170                 175


Pro Tyr Gly Cys Arg Val Ile Gln Arg Ile Leu Glu His Cys Leu Pro
            180                 185                 190


Asp Gln Thr Leu Pro Ile Leu Glu Glu Leu His Gln His Ile Met Glu
```

```
        195                 200                 205

Phe Ser Gln Asp Gln His Gly Ser Arg Phe Ile Gln Leu Lys Leu Glu
    210                 215                 220

Arg Ala Thr Pro Ala Glu Arg Gln Leu Val Phe Asn Glu Ile Leu Gln
225                 230                 235                 240

Ala Ala Tyr Gln Leu Met Val Asp Val Phe Gly Asn Tyr Val Ile Gln
                245                 250                 255

Lys Phe Phe Glu Phe Gly Ser Leu Glu Gln Lys Leu Ala Leu Ala Glu
            260                 265                 270

Arg Ile Arg Gly His Val Leu Ser Leu Ala Leu Gln Met Tyr Gly Cys
        275                 280                 285

Arg Val Ile Gln Lys Ala Leu Glu Phe Ile Pro Ser Asp Gln Gln Asn
    290                 295                 300

Glu Met Val Arg Glu Leu Asp Ser His Val Leu Lys Cys Val Lys Asp
305                 310                 315                 320

Gln Asn Gly Asn His Val Val Gln Lys Cys Ile Glu Cys Val Gln Pro
                325                 330                 335

Gln Ser Leu Gln Phe Ile Ile Asp Ala Phe Lys Gly Gln Val Phe Ala
            340                 345                 350

Leu Ser Thr His Pro Tyr Gly Cys Arg Val Ile Gln Arg Ile Leu Glu
        355                 360                 365

His Cys Leu Pro Asp Gln Thr Leu Pro Ile Leu Glu Glu Leu His Gln
    370                 375                 380

His Thr Glu Gln Leu Val Gln Asp Gln Tyr Gly Asn Tyr Val Ile Gln
385                 390                 395                 400

His Val Leu Glu His Gly Arg Pro Glu Asp Lys Ser Lys Ile Val Ala
                405                 410                 415
```

```
Glu Ile Arg Gly Asn Val Leu Val Leu Ser Gln His Lys Phe Ala Ser
            420                 425                 430

Asn Val Val Glu Lys Cys Val Thr His Ala Ser Arg Thr Glu Arg Ala
        435                 440                 445

Val Leu Ile Asp Glu Val Cys Thr Met Asn Asp Gly Pro His Ser Ala
    450                 455                 460

Leu Tyr Thr Met Met Lys Asp Gln Tyr Ala Asn Tyr Val Val Gln Lys
465                 470                 475                 480

Met Ile Asp Val Ala Glu Pro Gly Gln Arg Lys Ile Val Met His Glu
                485                 490                 495

Leu His Gln His Thr Glu Gln Leu Val Gln Asp Gln Tyr Gly Asn Tyr
            500                 505                 510

Val Ile Gln His Val Leu Glu His Gly Arg Pro Glu Asp Lys Ser Lys
        515                 520                 525

Ile Val Ala Glu Ile Arg Gly Asn Val Leu Val Leu Ser Gln His Lys
    530                 535                 540

Phe Ala Ser Asn Val Val Glu Lys Cys Val Thr His Ala Ser Arg Thr
545                 550                 555                 560

Glu Arg Ala Val Leu Ile Asp Glu Val Cys Thr Met Asn Asp Gly Pro
                565                 570                 575

His Ser Ala Leu Tyr Thr Met Met Lys Asp Gln Tyr Ala Asn Tyr Val
            580                 585                 590

Val Gln Lys Met Ile Asp Val Ala Glu Pro Gly Gln Arg Lys Ile Val
        595                 600                 605

Met His Lys Ile Arg Pro His Ile Ala Thr Leu Arg Lys Tyr Thr Tyr
    610                 615                 620

Gly Lys His Ile Leu Ala Lys Leu Glu Lys Tyr Tyr Met Lys Asn Gly
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625 630 635 640

Val Asp Leu Gly

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

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<223> Cas6

<400> 4

Asp His Tyr Leu Asp Ile Arg Leu Arg Pro Asp Pro Glu Phe Pro Pro
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Ala Gln Leu Met Ser Val Leu Phe Gly Lys Leu His Gln Ala Leu Val
20 25 30

Ala Gln Gly Gly Asp Arg Ile Gly Val Ser Phe Pro Asp Leu Asp Glu
35 40 45

Ser Arg Ser Arg Leu Gly Glu Arg Leu Arg Ile His Ala Ser Ala Asp
50 55 60

Asp Leu Arg Ala Leu Leu Ala Arg Pro Trp Leu Glu Gly Leu Arg Asp
65 70 75 80

His Leu Gln Phe Gly Glu Pro Ala Val Val Pro His Pro Thr Pro Tyr
85 90 95

Arg Gln Val Ser Arg Val Gln Ala Lys Ser Asn Pro Glu Arg Leu Arg
100 105 110

Arg Arg Leu Met Arg Arg His Asp Leu Ser Glu Glu Glu Ala Arg Lys
115 120 125

Arg Ile Pro Asp Thr Val Ala Arg Ala Leu Asp Leu Pro Phe Val Thr
130 135 140

Leu Arg Ala Gln Ser Thr Gly Gln His Phe Arg Leu Phe Ile Arg His

145 150 155 160

Gly Pro Leu Gln Val Thr Ala Glu Glu Gly Gly Phe Thr Cys Tyr Gly
165 170 175

Leu Ser Lys Gly Gly Phe Val Pro Trp Phe
180 185

<210> 5
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> His aptamer

<400> 5
gggtatattg gcgccttcgt ggaatgtcag tgcctgg 37

<210> 6
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> TAT aptamer

<400> 6
tgcttcgaac tagggcaaac ggccagctag cgaagc 36

<210> 7
<211> 1368
<212> PRT
<213> Streptococcus pyogenes

<400> 7

Met Asp Lys Lys Tyr Ser Ile Gly Leu Asp Ile Gly Thr Asn Ser Val
1 5 10 15

Gly Trp Ala Val Ile Thr Asp Glu Tyr Lys Val Pro Ser Lys Lys Phe
20 25 30

Lys Val Leu Gly Asn Thr Asp Arg His Ser Ile Lys Lys Asn Leu Ile
35 40 45

```
Gly Ala Leu Leu Phe Asp Ser Gly Glu Thr Ala Glu Ala Thr Arg Leu
    50                  55                  60

Lys Arg Thr Ala Arg Arg Arg Tyr Thr Arg Arg Lys Asn Arg Ile Cys
65                  70                  75                  80

Tyr Leu Gln Glu Ile Phe Ser Asn Glu Met Ala Lys Val Asp Asp Ser
                85                  90                  95

Phe Phe His Arg Leu Glu Glu Ser Phe Leu Val Glu Glu Asp Lys Lys
            100                 105                 110

His Glu Arg His Pro Ile Phe Gly Asn Ile Val Asp Glu Val Ala Tyr
        115                 120                 125

His Glu Lys Tyr Pro Thr Ile Tyr His Leu Arg Lys Lys Leu Val Asp
    130                 135                 140

Ser Thr Asp Lys Ala Asp Leu Arg Leu Ile Tyr Leu Ala Leu Ala His
145                 150                 155                 160

Met Ile Lys Phe Arg Gly His Phe Leu Ile Glu Gly Asp Leu Asn Pro
                165                 170                 175

Asp Asn Ser Asp Val Asp Lys Leu Phe Ile Gln Leu Val Gln Thr Tyr
            180                 185                 190

Asn Gln Leu Phe Glu Glu Asn Pro Ile Asn Ala Ser Gly Val Asp Ala
        195                 200                 205

Lys Ala Ile Leu Ser Ala Arg Leu Ser Lys Ser Arg Arg Leu Glu Asn
    210                 215                 220

Leu Ile Ala Gln Leu Pro Gly Glu Lys Lys Asn Gly Leu Phe Gly Asn
225                 230                 235                 240

Leu Ile Ala Leu Ser Leu Gly Leu Thr Pro Asn Phe Lys Ser Asn Phe
                245                 250                 255

Asp Leu Ala Glu Asp Ala Lys Leu Gln Leu Ser Lys Asp Thr Tyr Asp
            260                 265                 270
```

```
Asp Asp Leu Asp Asn Leu Leu Ala Gln Ile Gly Asp Gln Tyr Ala Asp
        275                 280                 285

Leu Phe Leu Ala Ala Lys Asn Leu Ser Asp Ala Ile Leu Leu Ser Asp
    290                 295                 300

Ile Leu Arg Val Asn Thr Glu Ile Thr Lys Ala Pro Leu Ser Ala Ser
305                 310                 315                 320

Met Ile Lys Arg Tyr Asp Glu His His Gln Asp Leu Thr Leu Leu Lys
                325                 330                 335

Ala Leu Val Arg Gln Gln Leu Pro Glu Lys Tyr Lys Glu Ile Phe Phe
            340                 345                 350

Asp Gln Ser Lys Asn Gly Tyr Ala Gly Tyr Ile Asp Gly Gly Ala Ser
        355                 360                 365

Gln Glu Glu Phe Tyr Lys Phe Ile Lys Pro Ile Leu Glu Lys Met Asp
    370                 375                 380

Gly Thr Glu Glu Leu Leu Val Lys Leu Asn Arg Glu Asp Leu Leu Arg
385                 390                 395                 400

Lys Gln Arg Thr Phe Asp Asn Gly Ser Ile Pro His Gln Ile His Leu
                405                 410                 415

Gly Glu Leu His Ala Ile Leu Arg Arg Gln Glu Asp Phe Tyr Pro Phe
            420                 425                 430

Leu Lys Asp Asn Arg Glu Lys Ile Glu Lys Ile Leu Thr Phe Arg Ile
        435                 440                 445

Pro Tyr Tyr Val Gly Pro Leu Ala Arg Gly Asn Ser Arg Phe Ala Trp
    450                 455                 460

Met Thr Arg Lys Ser Glu Glu Thr Ile Thr Pro Trp Asn Phe Glu Glu
465                 470                 475                 480
```

```
Val Val Asp Lys Gly Ala Ser Ala Gln Ser Phe Ile Glu Arg Met Thr
                485                 490                 495

Asn Phe Asp Lys Asn Leu Pro Asn Glu Lys Val Leu Pro Lys His Ser
            500                 505                 510

Leu Leu Tyr Glu Tyr Phe Thr Val Tyr Asn Glu Leu Thr Lys Val Lys
        515                 520                 525

Tyr Val Thr Glu Gly Met Arg Lys Pro Ala Phe Leu Ser Gly Glu Gln
    530                 535                 540

Lys Lys Ala Ile Val Asp Leu Leu Phe Lys Thr Asn Arg Lys Val Thr
545                 550                 555                 560

Val Lys Gln Leu Lys Glu Asp Tyr Phe Lys Lys Ile Glu Cys Phe Asp
                565                 570                 575

Ser Val Glu Ile Ser Gly Val Glu Asp Arg Phe Asn Ala Ser Leu Gly
            580                 585                 590

Thr Tyr His Asp Leu Leu Lys Ile Ile Lys Asp Lys Asp Phe Leu Asp
        595                 600                 605

Asn Glu Glu Asn Glu Asp Ile Leu Glu Asp Ile Val Leu Thr Leu Thr
    610                 615                 620

Leu Phe Glu Asp Arg Glu Met Ile Glu Glu Arg Leu Lys Thr Tyr Ala
625                 630                 635                 640

His Leu Phe Asp Asp Lys Val Met Lys Gln Leu Lys Arg Arg Arg Tyr
                645                 650                 655

Thr Gly Trp Gly Arg Leu Ser Arg Lys Leu Ile Asn Gly Ile Arg Asp
            660                 665                 670

Lys Gln Ser Gly Lys Thr Ile Leu Asp Phe Leu Lys Ser Asp Gly Phe
        675                 680                 685

Ala Asn Arg Asn Phe Met Gln Leu Ile His Asp Asp Ser Leu Thr Phe
    690                 695                 700
```

```
Lys Glu Asp Ile Gln Lys Ala Gln Val Ser Gly Gln Gly Asp Ser Leu
705                 710                 715                 720


His Glu His Ile Ala Asn Leu Ala Gly Ser Pro Ala Ile Lys Lys Gly
                725                 730                 735


Ile Leu Gln Thr Val Lys Val Val Asp Glu Leu Val Lys Val Met Gly
            740                 745                 750


Arg His Lys Pro Glu Asn Ile Val Ile Glu Met Ala Arg Glu Asn Gln
        755                 760                 765


Thr Thr Gln Lys Gly Gln Lys Asn Ser Arg Glu Arg Met Lys Arg Ile
    770                 775                 780


Glu Glu Gly Ile Lys Glu Leu Gly Ser Gln Ile Leu Lys Glu His Pro
785                 790                 795                 800


Val Glu Asn Thr Gln Leu Gln Asn Glu Lys Leu Tyr Leu Tyr Tyr Leu
                805                 810                 815


Gln Asn Gly Arg Asp Met Tyr Val Asp Gln Glu Leu Asp Ile Asn Arg
            820                 825                 830


Leu Ser Asp Tyr Asp Val Asp His Ile Val Pro Gln Ser Phe Leu Lys
        835                 840                 845


Asp Asp Ser Ile Asp Asn Lys Val Leu Thr Arg Ser Asp Lys Asn Arg
    850                 855                 860


Gly Lys Ser Asp Asn Val Pro Ser Glu Glu Val Val Lys Lys Met Lys
865                 870                 875                 880


Asn Tyr Trp Arg Gln Leu Leu Asn Ala Lys Leu Ile Thr Gln Arg Lys
                885                 890                 895


Phe Asp Asn Leu Thr Lys Ala Glu Arg Gly Gly Leu Ser Glu Leu Asp
            900                 905                 910
```

```
Lys Ala Gly Phe Ile Lys Arg Gln Leu Val Glu Thr Arg Gln Ile Thr
        915                 920                 925


Lys His Val Ala Gln Ile Leu Asp Ser Arg Met Asn Thr Lys Tyr Asp
    930                 935                 940


Glu Asn Asp Lys Leu Ile Arg Glu Val Lys Val Ile Thr Leu Lys Ser
945                 950                 955                 960


Lys Leu Val Ser Asp Phe Arg Lys Asp Phe Gln Phe Tyr Lys Val Arg
                965                 970                 975


Glu Ile Asn Asn Tyr His His Ala His Asp Ala Tyr Leu Asn Ala Val
            980                 985                 990


Val Gly Thr Ala Leu Ile Lys Lys  Tyr Pro Lys Leu Glu  Ser Glu Phe
        995                 1000                1005


Val Tyr  Gly Asp Tyr Lys Val  Tyr Asp Val Arg Lys  Met Ile Ala
    1010                1015                1020


Lys Ser  Glu Gln Glu Ile Gly  Lys Ala Thr Ala Lys  Tyr Phe Phe
    1025                1030                1035


Tyr Ser  Asn Ile Met Asn Phe  Phe Lys Thr Glu Ile  Thr Leu Ala
    1040                1045                1050


Asn Gly  Glu Ile Arg Lys Arg  Pro Leu Ile Glu Thr  Asn Gly Glu
    1055                1060                1065


Thr Gly  Glu Ile Val Trp Asp  Lys Gly Arg Asp Phe  Ala Thr Val
    1070                1075                1080


Arg Lys  Val Leu Ser Met Pro  Gln Val Asn Ile Val  Lys Lys Thr
    1085                1090                1095


Glu Val  Gln Thr Gly Gly Phe  Ser Lys Glu Ser Ile  Leu Pro Lys
    1100                1105                1110


Arg Asn  Ser Asp Lys Leu Ile  Ala Arg Lys Lys Asp  Trp Asp Pro
    1115                1120                1125
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Lys Lys  Tyr Gly Gly Phe Asp  Ser Pro Thr Val Ala  Tyr Ser Val
    1130                1135                1140

Leu Val  Val Ala Lys Val Glu  Lys Gly Lys Ser Lys  Lys Leu Lys
    1145                1150                1155

Ser Val  Lys Glu Leu Leu Gly  Ile Thr Ile Met Glu  Arg Ser Ser
    1160                1165                1170

Phe Glu  Lys Asn Pro Ile Asp  Phe Leu Glu Ala Lys  Gly Tyr Lys
    1175                1180                1185

Glu Val  Lys Lys Asp Leu Ile  Ile Lys Leu Pro Lys  Tyr Ser Leu
    1190                1195                1200

Phe Glu  Leu Glu Asn Gly Arg  Lys Arg Met Leu Ala  Ser Ala Gly
    1205                1210                1215

Glu Leu  Gln Lys Gly Asn Glu  Leu Ala Leu Pro Ser  Lys Tyr Val
    1220                1225                1230

Asn Phe  Leu Tyr Leu Ala Ser  His Tyr Glu Lys Leu  Lys Gly Ser
    1235                1240                1245

Pro Glu  Asp Asn Glu Gln Lys  Gln Leu Phe Val Glu  Gln His Lys
    1250                1255                1260

His Tyr  Leu Asp Glu Ile Ile  Glu Gln Ile Ser Glu  Phe Ser Lys
    1265                1270                1275

Arg Val  Ile Leu Ala Asp Ala  Asn Leu Asp Lys Val  Leu Ser Ala
    1280                1285                1290

Tyr Asn  Lys His Arg Asp Lys  Pro Ile Arg Glu Gln  Ala Glu Asn
    1295                1300                1305

Ile Ile  His Leu Phe Thr Leu  Thr Asn Leu Gly Ala  Pro Ala Ala
    1310                1315                1320
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```
Phe Lys  Tyr Phe Asp Thr Thr  Ile Asp Arg Lys Arg  Tyr Thr Ser
    1325                 1330                 1335

Thr Lys  Glu Val Leu Asp Ala  Thr Leu Ile His Gln  Ser Ile Thr
    1340                 1345                 1350

Gly Leu  Tyr Glu Thr Arg Ile  Asp Leu Ser Gln Leu  Gly Gly Asp
    1355                 1360                 1365
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