SEQUENCE LISTING

<110> MAGENTA THERAPEUTICS, INC.

<120> COMPOSITIONS AND METHODS FOR THE DEPLETION OF CD5+ CELLS

<130> M103034 1060WO

<150> 62/592,214
<151> 2017-11-29

<160> 261

<170> PatentIn version 3.5

<210> 1
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 1

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Met Ser Ala Ser Leu Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Ser Tyr
20 25 30

Leu Ser Trp Phe Gln Gln Lys Pro Gly Lys Ser Pro Lys Thr Leu Ile
35 40 45

Tyr Arg Ala Asn Arg Leu Val Asp Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Tyr
65 70 75 80

Glu Asp Phe Gly Ile Tyr Tyr Cys Gln Gln Tyr Asp Glu Ser Pro Trp
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 2
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 2

Gln Ile Gln Leu Val Gln Ser Gly Pro Gly Leu Lys Lys Pro Gly Gly
1 5 10 15

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

Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Gly Leu Arg Trp Met
35 40 45

Gly Trp Ile Asn Thr His Thr Gly Glu Pro Thr Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Thr Phe Ser Leu Asp Thr Ser Lys Ser Thr Ala Tyr
65 70 75 80

Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr Ala Thr Tyr Phe Cys
85 90 95

Thr Arg Arg Gly Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly Thr
100 105 110

Thr Val Thr Val Ser Ser
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<210> 3
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 3

Gly Tyr Thr Phe Thr Asn Tyr

1 5

<210> 4
<211> 6
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 4

Asn Thr His Thr Gly Glu
1 5

<210> 5
<211> 9
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 5

Arg Gly Tyr Asp Trp Tyr Phe Asp Val
1 5

<210> 6
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 6

Arg Ala Ser Gln Asp Ile Asn Ser Tyr Leu Ser
1 5 10

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

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 7

Arg Ala Asn Arg Leu Val Asp
1 5

<210> 8
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 8

Gln Gln Tyr Asp Glu Ser Pro Trp Thr
1 5

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

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 9

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Asn Ser Tyr
20 25 30

Leu Ser Trp Phe Gln Gln Lys Pro Gly Lys Ala Pro Lys Thr Leu Ile
35 40 45

Tyr Arg Ala Asn Arg Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Tyr
65 70 75 80

Glu Asp Phe Gly Ile Tyr Tyr Cys Gln Gln Tyr Asp Glu Ser Pro Trp
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 10
<211> 119
<212> PRT
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<400> 10

Glu Ile Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

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

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr His Tyr Gly Glu Pro Thr Tyr Ala Asp Ser Phe
50 55 60

Lys Gly Thr Arg Thr Phe Ser Leu Asp Asp Ser Lys Asn Thr Ala Tyr
65 70 75 80

Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Thr Arg Arg Gly Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
115

<210> 11
<211> 7
<212> PRT
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<223> Description of Artificial Sequence: Synthetic peptide

<400> 11

Gly Tyr Thr Phe Thr Asn Tyr
1   5

<210> 12
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<212> PRT
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<220>
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<400> 12

Asn Thr His Tyr Gly Glu
1   5

<210> 13
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<220>
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<400> 13

Arg Arg Gly Tyr Asp Trp Tyr Phe Asp Val
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<210> 14
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 14

Arg Ala Ser Gln Asp Ile Asn Ser Tyr Leu Ser
1   5   10

<210> 15
<211> 7
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 15

Arg Ala Asn Arg Leu Glu Ser
1 5

<210> 16
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<220>
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<400> 16

Gln Gln Tyr Asp Glu Ser Pro Trp Thr
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<210> 17
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<400> 17

Gly Tyr Ser Ile Thr Ser Gly Tyr Tyr
1 5

<210> 18
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<212> PRT
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<220>
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<400> 18

Ile Ser Tyr Ser Gly Phe Thr
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<210> 19
<211> 11
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<220>
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<400> 19

Ala Gly Asp Arg Thr Gly Ser Trp Phe Ala Tyr
1 5 10

<210> 20
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<212> PRT
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<220>
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<400> 20

Gln Asp Ile Ser Asn Tyr
1 5

<210> 21
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 21

Ala Thr Ser
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<210> 22
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 22

Leu Gln Tyr Ala Ser Tyr Pro Phe Thr

1 5

<210> 23
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 23

Gly Tyr Ile Phe Thr Asn Tyr Gly
1 5

<210> 24
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 24

Ile Asn Thr Tyr Asn Gly Glu Pro
1 5

<210> 25
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 25

Ala Arg Gly Asp Tyr Tyr Gly Tyr Glu Asp Tyr
1 5 10

<210> 26
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 26

Gln Gly Ile Ser Asn Tyr
1 5

<210> 27
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 27

Tyr Thr Ser
1

<210> 28
<211> 9
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 28

Gln Gln Tyr Ser Lys Leu Pro Trp Thr
1 5

<210> 29
<211> 9
<212> PRT
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<220>
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<400> 29

Phe Ser Leu Ser Thr Ser Gly Met Gly
1 5

<210> 30
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<212> PRT
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<220>
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<400> 30

Trp Trp Asp Asp Asp
1   5

<210> 31
<211> 10
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<213> Artificial Sequence

<220>
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<400> 31

Arg Arg Ala Thr Gly Thr Gly Phe Asp Tyr
1   5   10

<210> 32
<211> 6
<212> PRT
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<220>
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<400> 32

Gln Asp Val Gly Thr Ala
1   5

<210> 33
<211> 7
<212> PRT
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<220>
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<400> 33

Trp Thr Ser Thr Arg His Thr
1   5

<210> 34
<211> 6

<212> PRT
<213> Artificial Sequence

<220>
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<400> 34

Tyr Asn Ser Tyr Asn Thr
1 5

<210> 35
<211> 10
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 35

Ser Gly Tyr Ser Phe Thr Gly Tyr Thr Met
1 5 10

<210> 36
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<400> 36

Leu Ile Asn Pro Tyr Asn Gly Gly Thr Thr
1 5 10

<210> 37
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 37

Cys Ala Arg Asp Tyr Tyr Gly Ser Ser Pro Asp Phe Asp Tyr Trp
1 5 10 15

<210> 38
<211> 10
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 38

Ser Gly Tyr Ser Phe Thr Asp Tyr Thr Met
1 5 10

<210> 39
<211> 10
<212> PRT
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<220>
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<400> 39

Leu Ile Asn Pro Tyr Asn Gly Gly Thr Met
1 5 10

<210> 40
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Cys Ala Arg Asp Asn Tyr Gly Ser Ser Pro Asp Phe Asp Tyr Trp
1 5 10 15

<210> 41
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<220>
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<400> 41

Ser Gly Tyr Ser Phe Thr Gly Tyr Thr Met
1 5 10

<210> 42
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<400> 42

Leu Ile Asn Pro Tyr Asn Gly Gly Thr Met
1 5 10

<210> 43
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<400> 43

Cys Ala Arg Asp Asn Tyr Gly Ser Ser Pro Tyr Phe Asp Tyr Trp
1 5 10 15

<210> 44
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<212> PRT
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<400> 44

Ser Gly Tyr Ser Phe Thr Gly Tyr Thr Met
1 5 10

<210> 45
<211> 10
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<220>
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<400> 45

Leu Ile Asn Pro Tyr Asn Gly Gly Thr Met
1 5 10

<210> 46
<211> 15
<212> PRT
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<220>
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<400> 46

Cys Ala Arg Asp Asn Tyr Gly Ser Ser Pro Tyr Phe Asp Tyr Trp
1 5 10 15

<210> 47
<211> 10
<212> PRT
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<220>
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<400> 47

Ser Gly Tyr Ser Phe Thr Gly Tyr Thr Met
1 5 10

<210> 48
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 48

Leu Ile Asn Pro Tyr Asn Gly Gly Thr Thr
1 5 10

<210> 49
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<400> 49

Cys Ala Arg Asp Tyr Tyr Gly Ser Ser Pro Asp Phe Asp Tyr Trp
1   5   10   15

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<400> 50

Ser Gly Phe Thr Phe Ser Asn Tyr Ala Met
1   5   10

<210> 51
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<400> 51

Ser Ile Ser Ser Gly Gly Asn Thr Phe
1   5

<210> 52
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
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<400> 52

Cys Val Arg Tyr Tyr Tyr Gly Val Thr Tyr Trp Tyr Phe Asp Val Trp
1   5   10   15

<210> 53

<211> 10
<212> PRT
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<220>
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<400> 53

Ser Gly Phe Thr Phe Ser Ser Tyr Ala Met
1 5 10

<210> 54
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<212> PRT
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<220>
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<400> 54

Ser Ile Ser Ser Gly Gly Ser Thr Tyr
1 5

<210> 55
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<220>
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<400> 55

Cys Val Arg Tyr Tyr Tyr Gly Ile Arg Tyr Trp Tyr Phe Asp Val Trp
1 5 10 15

<210> 56
<211> 10
<212> PRT
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<220>
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<400> 56

Ser Gly Tyr Ser Phe Thr Ala Tyr Asn Ile
1 5 10

<210> 57
<211> 10
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<220>
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<400> 57

Ser Ile Asp Pro Tyr Tyr Gly Asp Thr Lys
1 5 10

<210> 58
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<213> Artificial Sequence

<220>
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<400> 58

Cys Ala Arg Arg Met Ile Thr Met Gly Asp Trp Tyr Phe Asp Val Trp
1 5 10 15

<210> 59
<211> 10
<212> PRT
<213> Artificial Sequence

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<400> 59

Ser Gly Tyr Ser Phe Thr Ala Tyr Ser Met
1 5 10

<210> 60
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<400> 60

Ser Ile Asp Pro Tyr Tyr Gly Asp Thr Lys
1 5 10

<210> 61
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<400> 61

Cys Ala Arg Arg Met Ile Thr Thr Gly Asp Trp Tyr Phe Asp Val Trp
1 5 10 15

<210> 62
<211> 10
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<400> 62

Ser Gly Tyr Thr Phe Thr Asn Phe Ala Ile
1 5 10

<210> 63
<211> 10
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<400> 63

Leu Ile Ser Ser Asn Ser Gly Asp Val Ser
1 5 10

<210> 64
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<223> Description of Artificial Sequence: Synthetic peptide

<400> 64

Cys Ala Arg His Tyr Gly Ala His Asn Tyr Phe Asp Tyr Trp
1 5 10

<210> 65
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<400> 65

Ser Gly Tyr Thr Phe Thr Asn Phe Ala Ile
1 5 10

<210> 66
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<400> 66

Leu Ile Ser Thr Ser Ser Gly Asp Val Ser
1 5 10

<210> 67
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<400> 67

Cys Ala Arg His Tyr Gly Ala Asn Asn Tyr Phe Asp Tyr Trp
1 5 10

<210> 68
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<400> 68

Ser Gly Tyr Thr Phe Thr Asn Phe Ala Ile
1 5 10

<210> 69
<211> 10
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<220>
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<400> 69

Leu Ile Ser Ser Asn Ser Gly Asp Val Ser
1 5 10

<210> 70
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Cys Ala Arg His Tyr Gly Ala His Asn Tyr Phe Asp Tyr Trp
1 5 10

<210> 71
<211> 10
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<220>
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<400> 71

Ser Gly Tyr Thr Phe Thr Asn Phe Ala Ile
1 5 10

<210> 72
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<400> 72

Leu Ile Ser Ser Asn Ser Gly Asp Val Ser
1 5 10

<210> 73
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<400> 73

Cys Ala Arg His Tyr Gly Ala His Asn Tyr Phe Asp Tyr Trp
1 5 10

<210> 74
<211> 10
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<220>
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<400> 74

Ser Gly Phe Asn Ile Lys Asp Thr Tyr Met
1 5 10

<210> 75
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<400> 75

Arg Ile Asp Pro Ala Asn Gly Asn Thr Lys

1 5 10

<210> 76
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<400> 76

Cys Ala Arg Glu Glu Asn Tyr Tyr Gly Thr Tyr Tyr Phe Asp Tyr Trp
1 5 10 15

<210> 77
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<400> 77

Ser Gly Tyr Ser Phe Thr Ser Tyr Trp Met
1 5 10

<210> 78
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<400> 78

Met Ile His Pro Ser Asp Ser Glu Thr Arg
1 5 10

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<220>
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<400> 79

Cys Ala Arg Trp Gly Asp His Asp Asp Ala Met Asp Phe Trp
1 5 10

<210> 80
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<400> 80

Ser Gly Phe Ser Leu Thr Asn Tyr Asp Val
1 5 10

<210> 81
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<400> 81

Val Ile Trp Ser Gly Gly Asn Thr Asp
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<210> 82
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<400> 82

Cys Ala Arg Asn His Gly Asp Gly Tyr Phe Asn Trp Tyr Phe Asp Val
1 5 10 15

Trp

<210> 83

<211> 10
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<220>
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<400> 83

Ser Gly Phe Ser Leu Thr Asn Tyr Asp Val
1 5 10

<210> 84
<211> 9
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<400> 84

Val Ile Trp Ser Gly Gly Asn Thr Asp
1 5

<210> 85
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<400> 85

Cys Ala Arg Asn His Gly Asp Gly Tyr Tyr Asn Trp Tyr Phe Asp Val
1 5 10 15

Trp

<210> 86
<211> 10
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<400> 86

Ser Gly Phe Thr Phe Ser Asn Tyr Gly Met
1 5 10

<210> 87
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<400> 87

Ala Ile Asn Ser Asn Gly Asp Ile Thr Tyr
1 5 10

<210> 88
<211> 11
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<400> 88

Cys Ala Arg Gly Thr Ala Trp Phe Thr Tyr Trp
1 5 10

<210> 89
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<223> Description of Artificial Sequence: Synthetic peptide

<400> 89

Ser Gly Tyr Ser Phe Thr Gly Tyr Thr Met
1 5 10

<210> 90
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<400> 90

Leu Ile Asn Pro Tyr Asn Gly Gly Thr Arg
1   5   10

<210> 91
<211> 14
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<400> 91

Cys Ala Arg Asp Gly Asp Asp Gly Trp Asp Ile Asp Val Trp
1   5   10

<210> 92
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<400> 92

Ser Gly Tyr Ile Phe Ala Asn Tyr Gly Met
1   5   10

<210> 93
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<220>
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<400> 93

Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr
1   5   10

<210> 94
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<400> 94

Cys Ala Arg Arg Gly Thr Tyr Trp His Phe Asp Val Trp
1 5 10

<210> 95
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<400> 95

Ser Gly Tyr Asn Phe Thr Asn Tyr Gly Met
1 5 10

<210> 96
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<400> 96

Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr
1 5 10

<210> 97
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<400> 97

Cys Ala Arg Arg Gly Ser Tyr Trp His Phe Asp Val Trp
1 5 10

<210> 98
<211> 10
<212> PRT
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<220>
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<400> 98

Ser Gly Tyr Thr Phe Thr Asn Tyr Gly Met
1 5 10

<210> 99
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<400> 99

Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr
1 5 10

<210> 100
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<400> 100

Cys Ala Arg Arg Ser Thr Leu Val Phe Asp Tyr Trp
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<220>
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<400> 101

Ser Gly Tyr Thr Phe Thr Asp Tyr Tyr Ile
1 5 10

<210> 102
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<400> 102

Trp Ile Tyr Pro Gly Gly Gly Asn Thr Arg
1 5 10

<210> 103
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 103

Cys Ala Arg Asn Gly Tyr Trp Tyr Phe Asp Val Trp
1 5 10

<210> 104
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 104

Ser Gly Tyr Thr Phe Thr Asp Tyr Tyr Ile
1 5 10

<210> 105
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 105

Trp Ile Tyr Pro Gly Gly Gly Asn Thr Arg
1 5 10

<210> 106
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 106

Cys Ala Arg Asn Gly Tyr Trp Tyr Phe Asp Val Trp
1 5 10

<210> 107
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 107

Ser Gly Asn Thr Phe Thr Asn Phe Tyr Leu
1 5 10

<210> 108
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 108

Cys Ile Tyr Pro Gly Asn Val Lys Thr Lys
1 5 10

<210> 109
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 109

Cys Ala Lys Glu Gly Asp Tyr Asp Gly Thr Ala Tyr Phe Asp Tyr Trp
1   5   10   15

<210> 110
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 110

Ser Gly Tyr Thr Phe Thr Asn Tyr Gly Met
1   5   10

<210> 111
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 111

Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr
1   5   10

<210> 112
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 112

Cys Ala Arg Arg Arg Asp Gly Asn Phe Asp Tyr Trp
1   5   10

<210> 113

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

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 113

Ser Glu Phe Thr Phe Ser Asn Tyr Ala Met
1 5 10

<210> 114
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 114

Thr Ile Ser Ser Gly Gly Ser Tyr Thr Tyr
1 5 10

<210> 115
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 115

Cys Val Arg His Gly Tyr Phe Asp Val Trp
1 5 10

<210> 116
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 116

Ser Gly Tyr Thr Phe Thr Ser Tyr Arg Met
1 5 10

<210> 117
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 117

Arg Ile Asp Pro Tyr Asp Ser Gly Thr His
1 5 10

<210> 118
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 118

Cys Ala Phe Tyr Asp Gly Ala Tyr Trp
1 5

<210> 119
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 119

Ser Gly Phe Asn Ile Lys Asp Thr Tyr Met
1 5 10

<210> 120
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 120

Arg Ile Asp Pro Ala Asn Gly Asn Thr Lys
1 5 10

<210> 121
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 121

Cys Ala Ser Tyr Asp Pro Asp Tyr Trp
1 5

<210> 122
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 122

Ser Gly Tyr Ser Phe Thr Asp Tyr Thr Met
1 5 10

<210> 123
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 123

Leu Ile Asn Pro Tyr Asn Gly Gly Thr Arg
1 5 10

<210> 124
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 124

Cys Ala Arg Asp Thr Thr Ala Thr Tyr Tyr Phe Asp Tyr Trp
1 5 10

<210> 125
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 125

Ser Gly Tyr Met Phe Thr Asn His Gly Met
1 5 10

<210> 126
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 126

Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr
1 5 10

<210> 127
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 127

Cys Ala Arg Arg Val Ala Thr Tyr Phe Asp Val Trp
1 5 10

<210> 128
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 128

Ser Gly Tyr Met Phe Thr Asn Tyr Gly Met
1 5 10

<210> 129
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 129

Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr
1 5 10

<210> 130
<211> 12
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 130

Cys Thr Arg Arg Ser His Ile Thr Leu Asp Tyr Trp
1 5 10

<210> 131
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 131

Ser Gly Tyr Ile Phe Thr Asn Tyr Gly Met
1 5 10

<210> 132
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 132

Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr
1 5 10

<210> 133
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 133

Cys Ala Arg Arg Arg Thr Thr Ala Phe Asp Tyr Trp
1 5 10

<210> 134
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 134

Ser Gly Phe Asn Ile Lys Asp Tyr Tyr Ile
1 5 10

<210> 135
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 135

Trp Ile Asp Pro Glu Asn Gly Arg Thr Glu

1 5 10

<210> 136
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 136

Cys Asn Asn Gly Asn Tyr Val Arg His Tyr Tyr Phe Asp Tyr Trp
1 5 10 15

<210> 137
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 137

Ser Gly Tyr Thr Phe Ile Asn Tyr Gly Met
1 5 10

<210> 138
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 138

Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr
1 5 10

<210> 139
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 139

Cys Thr Arg Arg Arg Glu Ile Thr Phe Asp Tyr Trp
1 5 10

<210> 140
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 140

Ser Gly Tyr Thr Phe Thr Asp Tyr Phe Ile
1 5 10

<210> 141
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 141

Glu Ile Tyr Pro Gly Ser Ser Asn Thr Tyr
1 5 10

<210> 142
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 142

Cys Ala Arg Ser Gly Ile Ser Pro Phe Thr Tyr Trp
1 5 10

<210> 143
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 143

Ser Gly Tyr Ile Phe Thr Gly Tyr Asn Ile
1   5   10

<210> 144
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 144

Ala Val Tyr Pro Gly Asn Gly Asp Thr Ser
1   5   10

<210> 145
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 145

Cys Ala Lys Tyr Asp Arg Phe Phe Ala Ser Trp
1   5   10

<210> 146
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 146

Ser Gln Gly Ile Ser Asn His Leu
1   5

<210> 147
<211> 5

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 147

Tyr Phe Thr Ser Ser
1   5

<210> 148
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 148

Cys Gln Gln Tyr Ser Asn Leu Pro Tyr Thr Phe
1   5   10

<210> 149
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 149

Ser Gln Gly Ile Arg Asn Tyr Leu
1   5

<210> 150
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 150

Tyr Phe Thr Ser Ser
1   5

<210> 151
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 151

Cys Gln Gln Tyr Ser Asn Leu Pro Tyr Thr Phe
1 5 10

<210> 152
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 152

Ser Gln Gly Ile Ser Asn His Leu
1 5

<210> 153
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
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<400> 153

Tyr Phe Thr Ser Ser
1 5

<210> 154
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 154

Cys Gln Gln Tyr Ser Asn Leu Pro Tyr Thr Phe
1 5 10

<210> 155
<211> 8
<212> PRT
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<400> 155

Ser Gln Gly Ile Asn Asn Tyr Leu
1 5

<210> 156
<211> 5
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 156

Tyr Tyr Thr Ser Ser
1 5

<210> 157
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 157

Cys Gln Gln Tyr Ser Lys Ile Pro Tyr Thr Cys
1 5 10

<210> 158
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 158

Ser Gln Gly Ile Ser Asn His Leu
1 5

<210> 159
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 159

Tyr Phe Thr Ser Ser
1 5

<210> 160
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 160

Cys Gln Gln Tyr Ser Asn Leu Pro Tyr Thr Phe
1 5 10

<210> 161
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 161

Ser Gln Ser Val Asp His Asp Gly Asp Ser Tyr Met
1 5 10

<210> 162
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
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<400> 162

Tyr Ala Ala Ser Asn
1   5

<210> 163
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 163

Cys Gln Gln Asn Tyr Glu Asp Pro Thr Phe
1   5   10

<210> 164
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 164

Ser Gln Ser Val Asp Tyr Asp Gly Asp Ser Tyr Met
1   5   10

<210> 165
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 165

Tyr Ala Ala Ser Asn
1   5

<210> 166

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

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 166

Cys Gln Gln Ser Asn Glu Asp Pro Thr Phe
1 5 10

<210> 167
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 167

Ser Gln Asp Ile Ser Asn Tyr Leu
1 5

<210> 168
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 168

Tyr Tyr Thr Ser Arg
1 5

<210> 169
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 169

Cys Gln Gln Gly Asp Ala Leu Pro Trp Thr Phe
1 5 10

<210> 170
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 170

Ser Gln Asp Ile Ser Thr Tyr Leu
1 5

<210> 171
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 171

Phe Tyr Thr Ser Arg
1 5

<210> 172
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 172

Cys Gln Gln Gly Asn Ser Leu Pro Phe Thr Phe
1 5 10

<210> 173
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 173

Thr Ser Ser Ile Ser Ser Ser Tyr Leu
1 5

<210> 174
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 174

Tyr Gly Thr Ser Asn
1 5

<210> 175
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 175

Cys Gln Gln Trp Ser Ser Arg Pro Pro Thr Phe
1 5 10

<210> 176
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 176

Asn Ser Ser Val Ser Ser Ser Tyr Leu
1 5

<210> 177
<211> 5
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 177

Tyr Gly Thr Ser Asn
1 5

<210> 178
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 178

Cys Gln Gln Tyr Ser Gly Tyr Pro Leu Thr Phe
1 5 10

<210> 179
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 179

Thr Ser Ser Ile Ser Ser Ser Tyr Leu
1 5

<210> 180
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 180

Tyr Gly Thr Ser Asn
1 5

<210> 181
<211> 11
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 181

Cys Gln Gln Tyr Ser Asp Tyr Pro Leu Thr Phe
1 5 10

<210> 182
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 182

Thr Ser Ser Ile Ser Ser Ser Tyr Leu
1 5

<210> 183
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 183

Tyr Gly Thr Ser Asn
1 5

<210> 184
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 184

Cys Gln Gln Arg Ser Tyr Phe Pro Phe Thr Phe
1 5 10

<210> 185
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 185

Ser Glu Asn Ile Tyr Tyr Asn Leu
1 5

<210> 186
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 186

Tyr Asn Ala Asn Ser
1 5

<210> 187
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 187

Cys Lys Gln Val Tyr Asp Val Pro Phe Thr Phe
1 5 10

<210> 188
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 188

Ser Glu Asn Ile Tyr Gly Tyr Phe

1 5

<210> 189
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 189

Tyr Asn Ala Lys Thr
1 5

<210> 190
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 190

Cys Gln His His Tyr Gly Thr Pro Phe Thr Phe
1 5 10

<210> 191
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 191

Ser Gln Asp Ile Asn Asn Tyr Ile
1 5

<210> 192
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 192

His Tyr Thr Ser Thr
1 5

<210> 193
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 193

Cys Leu Gln Tyr Asp Asn Leu Trp Thr Phe
1 5 10

<210> 194
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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<400> 194

Ser Gln Asp Ile Asn Lys Tyr Ile
1 5

<210> 195
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
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<400> 195

His Tyr Thr Ser Thr
1 5

<210> 196
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 196

Cys Leu Gln Tyr Asp Asn Leu Trp Thr Phe
1   5   10

<210> 197
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 197

Ser Glu Asn Ile Tyr Ser Tyr Leu
1   5

<210> 198
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 198

Tyr Asn Ala Lys Thr
1   5

<210> 199
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 199

Cys Gln His His Tyr Gly Tyr Pro Tyr Thr Phe
1   5   10

<210> 200
<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 200

Ser Gln Gly Ile Arg Asn Tyr Leu
1 5

<210> 201
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 201

Tyr His Thr Ser Thr
1 5

<210> 202
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 202

Cys Gln Gln Tyr Ser Asn Leu Pro Leu Thr Phe
1 5 10

<210> 203
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 203

Ser Gln Asp Val Arg Thr Asp Val
1 5

<210> 204
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 204

Tyr Ser Ala Ser Phe
1   5

<210> 205
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 205

Cys Gln Gln His Tyr Thr Ser Pro Trp Thr Phe
1   5   10

<210> 206
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 206

Ser Gln Asp Val Ile Thr Ala Val
1   5

<210> 207
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 207

Tyr Ser Ala Ser Tyr
1 5

<210> 208
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 208

Cys Gln Gln His Tyr Ser Thr Pro Trp Thr Phe
1 5 10

<210> 209
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 209

Ser Gln Ser Ile Gly Thr Ser Ile
1 5

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

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 210

Lys Ser Ala Ser Glu
1 5

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

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 211

Cys Gln Gln Ser Asn Arg Trp Pro Leu Thr Phe
1 5 10

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

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 212

Ser Ser Gln Ser Leu Leu Asn Gln Lys Asn Tyr Leu
1 5 10

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

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 213

Tyr Trp Ala Ser Thr
1 5

<210> 214
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 214

Cys Gln Asn Asp Tyr Asp Tyr Pro Tyr Thr Phe
1 5 10

<210> 215
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 215

Ser Ser Ser Val Ser Ser Ser Tyr Leu
1   5

<210> 216
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 216

Tyr Ser Thr Ser Asn
1   5

<210> 217
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 217

Cys His Gln Tyr His Arg Ser Pro Leu Thr Phe
1   5   10

<210> 218
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 218

Ser Glu Asn Ile Tyr Tyr Asn Leu
1   5

<210> 219

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

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 219

Tyr Asn Ala Asn Ser
1 5

<210> 220
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 220

Cys Gln Gln Thr Phe Asp Val Pro Trp Thr Phe
1 5 10

<210> 221
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 221

Ser Gln Thr Ile Gly Thr Ser Ile
1 5

<210> 222
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 222

Lys Asn Ala Ser Glu
1 5

<210> 223
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 223

Cys Gln Gln Ser Asn Ser Trp Pro Leu Thr Tyr
1 5 10

<210> 224
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 224

Ser Gln Ser Leu Leu Tyr Ser Ser Asp Gln Lys Asn Tyr Leu
1 5 10

<210> 225
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 225

Tyr Trp Ala Ser Thr
1 5

<210> 226
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 226

Cys Gln Gln Tyr Tyr Asn Tyr Pro Leu Thr Phe
1 5 10

<210> 227
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 227

Asn Ser Ser Val Ser Tyr Met
1 5

<210> 228
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 228

Tyr Asp Thr Ser Lys
1 5

<210> 229
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 229

Cys Gln Gln Trp Ser Ser Asn Pro Phe Thr Phe
1 5 10

<210> 230
<211> 8
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 230

Ser Glu Asn Ile Tyr Tyr Asn Leu
1 5

<210> 231
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 231

Tyr Asn Ala Asn Ser
1 5

<210> 232
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 232

Cys Lys Gln Ala Tyr Asp Val Pro Trp Thr Phe
1 5 10

<210> 233
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 233

Ser Ser Ser Leu Ser Tyr Met
1 5

<210> 234
<211> 5
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 234

Tyr Asp Thr Ser Asn
1 5

<210> 235
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 235

Cys Gln Gln Trp Ser Ser Phe Pro Pro Thr Phe
1 5 10

<210> 236
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 236

Ser Gln Arg Ile Gly Thr Ser Met
1 5

<210> 237
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 237

Lys Ser Ala Ser Glu
1 5

<210> 238
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 238

Cys Gln Gln Ser Asn Ser Trp Pro Leu Thr Phe
1 5 10

<210> 239
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 239

Ser Gln Ser Ile Gly Thr Ser Ile
1 5

<210> 240
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 240

Lys Ser Ala Ser Glu
1 5

<210> 241
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 241

Cys Gln Gln Ser Asn Ser Trp Pro Leu Thr Phe

1 5 10

<210> 242
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 242

Ser Gln Asn Ile Gly Thr Ser Ile
1 5

<210> 243
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 243

Lys Asp Ala Ser Glu
1 5

<210> 244
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 244

Cys Gln Gln Ser Asp Ser Trp Pro Leu Thr Phe
1 5 10

<210> 245
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 245

Ile Ser Ser Val Ser Tyr Met
1 5

<210> 246
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 246

Tyr Ala Thr Ser Asn
1 5

<210> 247
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 247

Cys Gln Gln Trp Ser Ser Asn Pro Arg Thr Phe
1 5 10

<210> 248
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 248

Ser Gln Thr Ile Ala Thr Ser Ile
1 5

<210> 249
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 249

Lys Asn Ala Ser Glu
1   5

<210> 250
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 250

Cys Gln Gln Ser Asn Ser Trp Pro Leu Thr Phe
1   5   10

<210> 251
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 251

Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu
1   5   10

<210> 252
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 252

Tyr Lys Val Ser Asn
1   5

<210> 253
<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 253

Cys Trp Gln Asn Thr His Phe Pro Gln Thr Phe
1 5 10

<210> 254
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 254

Asn Glu Ser Val Glu Tyr Ser Gly Thr Ser Leu Met
1 5 10

<210> 255
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 255

Ser Ala Ala Ser Asn
1 5

<210> 256
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 256

Cys Gln Gln Ser Arg Gln Val Pro Leu Thr Phe
1 5 10

<210> 257
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 257

Gln Val Thr Leu Lys Glu Ser Gly Pro Val Leu Val Lys Pro Thr Glu
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser
20 25 30

Gly Met Gly Val Gly Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu
35 40 45

Trp Val Ala His Ile Trp Trp Asp Asp Asp Val Tyr Tyr Asn Pro Ser
50 55 60

Leu Lys Ser Arg Leu Thr Ile Thr Lys Asp Ala Ser Lys Asp Gln Val
65 70 75 80

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Val Arg Arg Arg Ala Thr Gly Thr Gly Phe Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 258
<211> 106
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 258

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Asn Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1               5                   10                  15


Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Val Gly Thr Ala
            20                  25                  30


Val Ala Trp Tyr Gln Gln Lys Pro Asp Gln Ser Pro Lys Leu Leu Ile
        35                  40                  45


Tyr Trp Thr Ser Thr Arg His Thr Gly Val Pro Asp Arg Phe Thr Gly
    50                  55                  60


Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80


Glu Asp Ile Ala Thr Tyr Phe Cys His Gln Tyr Asn Ser Tyr Asn Thr
                85                  90                  95


Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
            100                 105
```

<210> 259
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 259

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1               5                   10                  15


Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
            20                  25                  30


Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45


Ala Val Ile Ser Glu Asn Gly Ser Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60
```

```
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Ala Arg Asp Arg Gly Gly Ala Val Ser Tyr Phe Asp Val Trp Gly Gln
            100                 105                 110


Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  260
<211>  109
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence: Synthetic polypeptide

<400>  260

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1               5                   10                  15


Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Val Ser Ser Tyr
            20                  25                  30


Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45


Tyr Ala Ala Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60


Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80


Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asn Ser Leu Pro Tyr
                85                  90                  95


Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr
            100                 105
```

<210> 261
<211> 438
<212> PRT
<213> Homo sapiens

<400> 261

Met Val Cys Ser Gln Ser Trp Gly Arg Ser Ser Lys Gln Trp Glu Asp
1 5 10 15

Pro Ser Gln Ala Ser Lys Val Cys Gln Arg Leu Asn Cys Gly Val Pro
20 25 30

Leu Ser Leu Gly Pro Phe Leu Val Thr Tyr Thr Pro Gln Ser Ser Ile
35 40 45

Ile Cys Tyr Gly Gln Leu Gly Ser Phe Ser Asn Cys Ser His Ser Arg
50 55 60

Asn Asp Met Cys His Ser Leu Gly Leu Thr Cys Leu Glu Pro Gln Lys
65 70 75 80

Thr Thr Pro Pro Thr Thr Arg Pro Pro Pro Thr Thr Thr Pro Glu Pro
85 90 95

Thr Ala Pro Pro Arg Leu Gln Leu Val Ala Gln Ser Gly Gly Gln His
100 105 110

Cys Ala Gly Val Val Glu Phe Tyr Ser Gly Ser Leu Gly Gly Thr Ile
115 120 125

Ser Tyr Glu Ala Gln Asp Lys Thr Gln Asp Leu Glu Asn Phe Leu Cys
130 135 140

Asn Asn Leu Gln Cys Gly Ser Phe Leu Lys His Leu Pro Glu Thr Glu
145 150 155 160

Ala Gly Arg Ala Gln Asp Pro Gly Glu Pro Arg Glu His Gln Pro Leu
165 170 175

```
Pro Ile Gln Trp Lys Ile Gln Asn Ser Ser Cys Thr Ser Leu Glu His
            180                 185                 190

Cys Phe Arg Lys Ile Lys Pro Gln Lys Ser Gly Arg Val Leu Ala Leu
        195                 200                 205

Leu Cys Ser Gly Phe Gln Pro Lys Val Gln Ser Arg Leu Val Gly Gly
    210                 215                 220

Ser Ser Ile Cys Glu Gly Thr Val Glu Val Arg Gln Gly Ala Gln Trp
225                 230                 235                 240

Ala Ala Leu Cys Asp Ser Ser Ser Ala Arg Ser Ser Leu Arg Trp Glu
                245                 250                 255

Glu Val Cys Arg Glu Gln Gln Cys Gly Ser Val Asn Ser Tyr Arg Val
            260                 265                 270

Leu Asp Ala Gly Asp Pro Thr Ser Arg Gly Leu Phe Cys Pro His Gln
        275                 280                 285

Lys Leu Ser Gln Cys His Glu Leu Trp Glu Arg Asn Ser Tyr Cys Lys
    290                 295                 300

Lys Val Phe Val Thr Cys Gln Asp Pro Asn Pro Ala Gly Leu Ala Ala
305                 310                 315                 320

Gly Thr Val Ala Ser Ile Ile Leu Ala Leu Val Leu Leu Val Val Leu
                325                 330                 335

Leu Val Val Cys Gly Pro Leu Ala Tyr Lys Lys Leu Val Lys Lys Phe
            340                 345                 350

Arg Gln Lys Lys Gln Arg Gln Trp Ile Gly Pro Thr Gly Met Asn Gln
        355                 360                 365

Asn Met Ser Phe His Arg Asn His Thr Ala Thr Val Arg Ser His Ala
    370                 375                 380

Glu Asn Pro Thr Ala Ser His Val Asp Asn Glu Tyr Ser Gln Pro Pro
```

```
385                 390                 395                 400

Arg Asn Ser His Leu Ser Ala Tyr Pro Ala Leu Glu Gly Ala Leu His
                405                 410                 415

Arg Ser Ser Met Gln Pro Asp Asn Ser Ser Asp Ser Asp Tyr Asp Leu
            420                 425                 430

His Gly Ala Gln Arg Leu
        435
```