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<141> 2017-06-13

<150> 201610414226.5
<151> 2016-06-13

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Lys Ala Ser Gln Asp Val Thr Pro Ala Val Ala
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Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Thr Pro Glu Lys Ser Leu Glu Trp Val
35 40 45

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

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

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

Ser Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

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

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

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

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

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

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

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

Ser Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

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

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

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
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1 5 10 15

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

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

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Ile Cys

85 90 95

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

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

Ser Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn 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 Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
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Glu Val Gln Leu Leu 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 Ser Tyr
20 25 30

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

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

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

Ser Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
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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 Ser Tyr
20 25 30

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

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
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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 Ser Tyr
20 25 30

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

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

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

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

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

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

Ala Thr Ile Ser Asp Ala Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

Leu Gln Met Asn Ser Leu Arg Asp Glu Asp Thr Ala Val Tyr Ile Cys

85 90 95

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
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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 Ser Tyr
20 25 30

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

Ala Thr Ile Ser Asp Val Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
115

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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 Ser Tyr
20 25 30

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

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

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<400> 23

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 Ser Tyr
20 25 30

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

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

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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 Ser Tyr
20 25 30

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

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
115

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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 Ser Tyr
20 25 30

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

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

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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 Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Thr Pro Glu Lys Ser Leu Glu Trp Val
35 40 45

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

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<400> 27

Asp Ile Val Met Thr Gln Ser His Lys Phe Met Ser Thr Ser Val Gly
1 5 10 15

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

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

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

Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Val Gln Ala
65 70 75 80

Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln His Tyr Thr Thr Pro Leu

85 90 95

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

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<400> 28

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 Lys Ala Ser Gln Asp Val Thr Pro Ala
20 25 30

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

Tyr Ser Thr Ser Ser Arg Tyr Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

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

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln His Tyr Thr Thr Pro Leu
85 90 95

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

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<400> 29

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 Lys Ala Ser Gln Asp Val Thr Pro Ala
20 25 30

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

Tyr Ser Thr Ser Ser Arg Tyr Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

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

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln His Tyr Thr Thr Pro Leu
85 90 95

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

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<400> 30

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 Lys Ala Ser Gln Asp Val Thr Pro Ala

20 25 30

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

Tyr Ser Thr Ser Ser Arg Tyr Thr 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 His Tyr Thr Thr Pro Leu
85 90 95

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

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<400> 31

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 Lys Ala Ser Gln Asp Val Thr Pro Ala
20 25 30

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

Tyr Ser Thr Ser Ser Arg Tyr 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 Phe Ala Thr Tyr Tyr Cys Gln Gln His Tyr Thr Thr Pro Leu
85 90 95

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

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<400> 32

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 Lys Ala Ser Gln Asp Val Thr Pro Ala
20 25 30

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

Tyr Ser Thr Ser Ser Arg Tyr 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 Phe Ala Thr Tyr Tyr Cys Gln Gln His Tyr Thr Thr Pro Leu
85 90 95

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

<210> 33
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<400> 33

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 Ser Cys Lys Ala Ser Gln Asp Val Thr Pro Ala
20 25 30

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

Tyr Ser Thr Ser Ser Arg Tyr 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 Phe Ala Thr Tyr Tyr Cys Gln Gln His Tyr Thr Thr Pro Leu
85 90 95

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

<210> 34
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<400> 34

Ala Gly Gly Thr Gly Ala Ala Gly Cys Thr Gly Gly Thr Gly Gly Ala
1 5 10 15

Gly Ala Gly Cys Gly Gly Cys Gly Gly Ala Gly Ala Thr Cys Thr Gly
20 25 30

Gly Thr Gly Ala Ala Gly Cys Cys Thr Gly Gly Cys Gly Gly Cys Ala
35 40 45

Gly Cys Cys Thr Gly Ala Ala Gly Cys Thr Gly Ala Gly Cys Thr Gly
50 55 60

Thr Gly Cys Cys Gly Cys Cys Ala Gly Cys Gly Gly Cys Thr Thr Cys
65 70 75 80

Ala Cys Cys Thr Thr Cys Ala Gly Cys Ala Gly Cys Thr Ala Cys Gly
85 90 95

Ala Cys Ala Thr Gly Ala Gly Cys Thr Gly Gly Gly Thr Gly Ala Gly
100 105 110

Gly Cys Ala Gly Ala Cys Cys Cys Cys Cys Gly Ala Gly Ala Ala Gly
115 120 125

Ala Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Gly Gly Thr Gly Gly
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Cys Cys Ala Cys Cys Ala Thr Cys Ala Gly Cys Gly Ala Thr Gly Gly
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Cys Gly Gly Cys Gly Gly Cys Thr Ala Cys Ala Thr Cys Thr Ala Cys
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Cys Ala Gly Cys Ala Gly Gly Gly Ala Cys Ala Ala Cys Gly Cys Cys
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Ala Ala Gly Ala Ala Cys Ala Ala Cys Cys Thr Gly Thr Ala Cys Cys
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Thr Gly Cys Ala Gly Ala Thr Gly Ala Gly Cys Ala Gly Cys Cys Thr
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Gly Ala Gly Gly Ala Gly Cys Gly Ala Gly Gly Ala Cys Ala Cys Cys
260 265 270

Gly Cys Cys Cys Thr Gly Thr Ala Cys Ala Thr Cys Thr Gly Cys Gly
275 280 285

Cys Cys Ala Gly Gly Gly Ala Gly Thr Thr Cys Gly Gly Cys Ala Ala
290 295 300

Gly Ala Gly Gly Thr Ala Cys Gly Cys Cys Cys Thr Gly Gly Ala Cys
305 310 315 320

Thr Ala Cys Thr Gly Gly Gly Gly Ala Cys Ala Gly Gly Gly Cys Ala
325 330 335

Cys Cys Ala Gly Cys Gly Thr Gly Ala Cys Cys Gly Thr Gly Ala Gly
340 345 350

Cys Ala Gly Cys
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<400> 35

Gly Ala Gly Gly Thr Gly Cys Ala Gly Cys Thr Gly Gly Thr Gly Gly
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Ala Gly Ala Gly Cys Gly Gly Ala Gly Gly Ala Gly Gly Ala Cys Thr
20 25 30

Gly Gly Thr Gly Ala Ala Gly Cys Cys Cys Gly Gly Ala Gly Gly Cys
35 40 45

Ala Gly Cys Cys Thr Gly Ala Gly Ala Cys Thr Gly Ala Gly Cys Thr
50 55 60

Gly Cys Gly Cys Thr Gly Cys Cys Ala Gly Cys Gly Gly Cys Thr Thr
65 70 75 80

Cys Ala Cys Cys Thr Thr Cys Ala Gly Cys Ala Gly Cys Thr Ala Cys
85 90 95

Gly Ala Cys Ala Thr Gly Ala Gly Cys Thr Gly Gly Gly Thr Gly Ala
100 105 110

Gly Ala Cys Ala Gly Gly Cys Cys Cys Cys Thr Gly Gly Cys Ala Ala
115 120 125

Ala Gly Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Gly Gly Thr Gly
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Ala Gly Cys Ala Cys Cys Ala Thr Cys Thr Cys Cys Gly Ala Thr Gly
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Gly Cys Gly Gly Cys Gly Gly Cys Thr Ala Cys Ala Thr Cys Thr Ala
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Thr Thr Ala Cys Thr Cys Cys Gly Ala Cys Ala Gly Cys Gly Thr Gly

180 185 190

Ala Ala Gly Gly Gly Cys Ala Gly Gly Thr Thr Cys Ala Cys Cys Ala
195 200 205

Thr Cys Ala Gly Cys Ala Gly Gly Gly Ala Cys Ala Ala Cys Gly Cys
210 215 220

Cys Ala Ala Gly Ala Ala Cys Ala Gly Cys Cys Thr Gly Thr Ala Cys
225 230 235 240

Cys Thr Gly Cys Ala Gly Ala Thr Gly Ala Ala Cys Ala Gly Cys Cys
245 250 255

Thr Gly Ala Gly Gly Gly Cys Cys Gly Ala Gly Gly Ala Cys Ala Cys
260 265 270

Cys Gly Cys Cys Gly Thr Gly Thr Ala Cys Thr Ala Cys Thr Gly Cys
275 280 285

Gly Cys Cys Ala Gly Gly Gly Ala Gly Thr Thr Cys Gly Gly Cys Ala
290 295 300

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Cys Ala Cys Cys Thr Thr Cys Ala Gly Cys Ala Gly Cys Thr Ala Cys
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Gly Ala Cys Ala Thr Gly Ala Gly Cys Thr Gly Gly Gly Thr Gly Ala
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Gly Ala Cys Ala Gly Gly Cys Cys Cys Cys Thr Gly Gly Cys Ala Ala
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Ala Gly Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Gly Gly Thr Gly
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Gly Cys Cys Ala Cys Cys Ala Thr Cys Thr Cys Cys Gly Ala Thr Gly
145 150 155 160

Gly Cys Gly Gly Cys Gly Gly Cys Thr Ala Cys Ala Thr Cys Thr Ala

165 170 175

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180 185 190

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195 200 205

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245 250 255

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290 295 300

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195 200 205

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245 250 255

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Cys Ala Cys Cys Thr Thr Cys Ala Gly Cys Ala Gly Cys Thr Ala Cys
85 90 95

Gly Ala Cys Ala Thr Gly Ala Gly Cys Thr Gly Gly Ala Thr Cys Ala
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195 200 205

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195 200 205

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195 200 205

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85 90 95

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85 90 95

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195 200 205

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195 200 205

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<400> 50

Gly Ala Gly Gly Thr Gly Cys Ala Gly Cys Thr Gly Gly Thr Gly Gly
1 5 10 15

Ala Gly Thr Cys Cys Gly Gly Ala Gly Gly Ala Gly Gly Cys Cys Thr
20 25 30

Gly Gly Thr Gly Cys Ala Ala Cys Cys Thr Gly Gly Ala Gly Gly Cys
35 40 45

Thr Cys Cys Cys Thr Gly Ala Gly Gly Cys Thr Gly Thr Cys Cys Thr
50 55 60

Gly Thr Gly Cys Cys Gly Cys Thr Thr Cys Cys Gly Gly Cys Thr Thr
65 70 75 80

Cys Ala Cys Cys Thr Thr Cys Ala Gly Cys Thr Cys Cys Thr Ala Cys
85 90 95

Gly Ala Thr Ala Thr Gly Ala Gly Cys Thr Gly Gly Gly Thr Gly Ala
100 105 110

Gly Gly Cys Ala Gly Gly Cys Thr Cys Cys Thr Gly Gly Ala Ala Ala
115 120 125

Gly Gly Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Gly Gly Thr Gly
130 135 140

Gly Cys Cys Ala Cys Cys Ala Thr Cys Thr Cys Cys Gly Ala Cys Gly
145 150 155 160

Gly Ala Gly Gly Cys Gly Gly Cys Thr Ala Cys Ala Thr Cys Thr Ala
165 170 175

Cys Thr Ala Cys Thr Cys Cys Gly Ala Cys Thr Cys Cys Gly Thr Gly
180 185 190

Ala Ala Gly Gly Gly Cys Ala Gly Gly Thr Thr Cys Ala Cys Cys Ala
195 200 205

Thr Cys Thr Cys Cys Cys Gly Gly Gly Ala Cys Ala Ala Cys Gly Cys
210 215 220

Cys Ala Ala Gly Ala Ala Cys Thr Cys Cys Cys Thr Gly Thr Ala Cys
225 230 235 240

Cys Thr Gly Cys Ala Gly Ala Thr Gly Ala Ala Cys Thr Cys Thr Cys
245 250 255

Thr Cys Ala Gly Gly Gly Cys Thr Gly Ala Gly Gly Ala Cys Ala Cys
260 265 270

Cys Gly Cys Cys Gly Thr Gly Thr Ala Thr Ala Thr Cys Thr Gly Cys
275 280 285

Gly Cys Cys Ala Gly Gly Gly Ala Gly Thr Thr Thr Gly Gly Cys Ala
290 295 300

Ala Gly Ala Gly Gly Thr Ala Cys Gly Cys Cys Cys Thr Gly Gly Ala
305 310 315 320

Thr Thr Ala Cys Thr Gly Gly Gly Gly Cys Cys Ala Gly Gly Gly Cys
325 330 335

Ala Cys Ala Cys Thr Gly Gly Thr Gly Ala Cys Ala Gly Thr Gly Ala
340 345 350

Gly Cys Thr Cys Cys
355

<210> 51
<211> 357
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 51

Gly Ala Gly Gly Thr Gly Cys Ala Gly Cys Thr Gly Gly Thr Gly Gly
1 5 10 15

Ala Gly Thr Cys Cys Gly Gly Ala Gly Gly Ala Gly Gly Cys Cys Thr
20 25 30

Gly Gly Thr Gly Cys Ala Ala Cys Cys Thr Gly Gly Ala Gly Gly Cys
35 40 45

Thr Cys Cys Cys Thr Gly Ala Gly Gly Cys Thr Gly Thr Cys Cys Thr
50 55 60

Gly Thr Gly Cys Cys Gly Cys Thr Thr Cys Cys Gly Gly Cys Thr Thr
65 70 75 80

Cys Ala Cys Cys Thr Thr Cys Ala Gly Cys Thr Cys Cys Thr Ala Cys
85 90 95

Gly Ala Thr Ala Thr Gly Ala Gly Cys Thr Gly Gly Gly Thr Gly Ala
100 105 110

Gly Gly Cys Ala Gly Gly Cys Thr Cys Cys Thr Gly Gly Ala Ala Ala
115 120 125

Gly Gly Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Gly Gly Thr Gly
130 135 140

Gly Cys Cys Ala Cys Cys Ala Thr Cys Thr Cys Cys Gly Ala Cys Gly
145 150 155 160

Gly Ala Gly Gly Cys Gly Gly Cys Thr Ala Cys Ala Thr Cys Thr Ala
165 170 175

Cys Thr Ala Cys Thr Cys Cys Gly Ala Cys Thr Cys Cys Gly Thr Gly
180 185 190

Ala Ala Gly Gly Gly Cys Ala Gly Gly Thr Thr Cys Ala Cys Cys Ala
195 200 205

Thr Cys Thr Cys Cys Cys Gly Gly Gly Ala Cys Ala Ala Cys Gly Cys
210 215 220

Cys Ala Ala Gly Ala Ala Cys Ala Ala Cys Cys Thr Gly Thr Ala Cys
225 230 235 240

Cys Thr Gly Cys Ala Gly Ala Thr Gly Ala Ala Cys Thr Cys Thr Cys
245 250 255

Thr Cys Ala Gly Gly Gly Cys Thr Gly Ala Gly Gly Ala Cys Ala Cys
260 265 270

Cys Gly Cys Cys Gly Thr Gly Thr Ala Thr Ala Thr Cys Thr Gly Cys
275 280 285

Gly Cys Cys Ala Gly Gly Gly Ala Gly Thr Thr Thr Gly Gly Cys Ala
290 295 300

Ala Gly Ala Gly Gly Thr Ala Cys Gly Cys Cys Cys Thr Gly Gly Ala
305 310 315 320

Thr Thr Ala Cys Thr Gly Gly Gly Gly Cys Cys Ala Gly Gly Gly Cys
325 330 335

Ala Cys Ala Cys Thr Gly Gly Thr Gly Ala Cys Ala Gly Thr Gly Ala
340 345 350

Gly Cys Thr Cys Cys
355

<210> 52
<211> 357
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 52

Gly Ala Gly Gly Thr Gly Cys Ala Gly Cys Thr Gly Gly Thr Gly Gly
1 5 10 15

Ala Gly Thr Cys Cys Gly Gly Ala Gly Gly Ala Gly Gly Cys Cys Thr
20 25 30

Gly Gly Thr Gly Cys Ala Ala Cys Cys Thr Gly Gly Ala Gly Gly Cys
35 40 45

Thr Cys Cys Cys Thr Gly Ala Gly Gly Cys Thr Gly Thr Cys Cys Thr
50 55 60

Gly Thr Gly Cys Cys Gly Cys Thr Thr Cys Cys Gly Gly Cys Thr Thr
65 70 75 80

Cys Ala Cys Cys Thr Thr Cys Ala Gly Cys Thr Cys Cys Thr Ala Cys
85 90 95

Gly Ala Thr Ala Thr Gly Ala Gly Cys Thr Gly Gly Gly Thr Gly Ala
100 105 110

Gly Gly Cys Ala Gly Ala Cys Cys Cys Cys Thr Gly Ala Gly Ala Ala
115 120 125

Gly Ala Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Gly Gly Thr Gly
130 135 140

Gly Cys Cys Ala Cys Cys Ala Thr Cys Thr Cys Cys Gly Ala Cys Gly
145 150 155 160

Gly Ala Gly Gly Cys Gly Gly Cys Thr Ala Cys Ala Thr Cys Thr Ala
165 170 175

Cys Thr Ala Cys Thr Cys Cys Gly Ala Cys Thr Cys Cys Gly Thr Gly
180 185 190

Ala Ala Gly Gly Gly Cys Ala Gly Gly Thr Thr Cys Ala Cys Cys Ala
195 200 205

Thr Cys Thr Cys Cys Cys Gly Gly Gly Ala Cys Ala Ala Cys Gly Cys
210 215 220

Cys Ala Ala Gly Ala Ala Cys Ala Ala Cys Cys Thr Gly Thr Ala Cys
225 230 235 240

Cys Thr Gly Cys Ala Gly Ala Thr Gly Ala Ala Cys Thr Cys Thr Cys
245 250 255

Thr Cys Ala Gly Gly Gly Cys Thr Gly Ala Gly Gly Ala Cys Ala Cys
260 265 270

Cys Gly Cys Cys Gly Thr Gly Thr Ala Thr Ala Thr Cys Thr Gly Cys
275 280 285

Gly Cys Cys Ala Gly Gly Gly Ala Gly Thr Thr Thr Gly Gly Cys Ala
290 295 300

Ala Gly Ala Gly Gly Thr Ala Cys Gly Cys Cys Cys Thr Gly Gly Ala
305 310 315 320

Thr Thr Ala Cys Thr Gly Gly Gly Gly Cys Cys Ala Gly Gly Gly Cys
325 330 335

Ala Cys Ala Cys Thr Gly Gly Thr Gly Ala Cys Ala Gly Thr Gly Ala
340 345 350

Gly Cys Thr Cys Cys
355

<210> 53
<211> 357
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 53

Gly Ala Gly Gly Thr Gly Cys Ala Gly Cys Thr Gly Gly Thr Gly Gly
1 5 10 15

Ala Gly Thr Cys Cys Gly Gly Ala Gly Gly Ala Gly Gly Cys Cys Thr
20 25 30

Gly Gly Thr Gly Cys Ala Ala Cys Cys Thr Gly Gly Ala Gly Gly Cys
35 40 45

Thr Cys Cys Cys Thr Gly Ala Gly Gly Cys Thr Gly Thr Cys Cys Thr
50 55 60

Gly Thr Gly Cys Cys Gly Cys Thr Thr Cys Cys Gly Gly Cys Thr Thr
65 70 75 80

Cys Ala Cys Cys Thr Thr Cys Ala Gly Cys Thr Cys Cys Thr Ala Cys
85 90 95

Gly Ala Thr Ala Thr Gly Ala Gly Cys Thr Gly Gly Gly Thr Gly Ala
100 105 110

Gly Gly Cys Ala Gly Gly Cys Thr Cys Cys Thr Gly Gly Ala Ala Ala
115 120 125

Gly Gly Gly Cys Cys Thr Gly Gly Ala Gly Thr Gly Gly Gly Thr Gly
130 135 140

Gly Cys Cys Ala Cys Cys Ala Thr Cys Thr Cys Cys Gly Ala Cys Gly
145 150 155 160

Gly Ala Gly Gly Cys Gly Gly Cys Thr Ala Cys Ala Thr Cys Thr Ala
165 170 175

Cys Thr Ala Cys Thr Cys Cys Gly Ala Cys Thr Cys Cys Gly Thr Gly
180 185 190

Ala Ala Gly Gly Gly Cys Ala Gly Gly Thr Thr Cys Ala Cys Cys Ala
195 200 205

Thr Cys Thr Cys Cys Cys Gly Gly Gly Ala Cys Ala Ala Cys Gly Cys
210 215 220

Cys Ala Ala Gly Ala Ala Cys Thr Cys Cys Cys Thr Gly Thr Ala Cys
225 230 235 240

Cys Thr Gly Cys Ala Gly Ala Thr Gly Ala Ala Cys Thr Cys Thr Cys
245 250 255

Thr Cys Ala Gly Gly Gly Cys Thr Gly Ala Gly Gly Ala Cys Ala Cys
260 265 270

Cys Gly Cys Cys Gly Thr Gly Thr Ala Thr Ala Thr Cys Thr Gly Cys
275 280 285

Gly Cys Cys Ala Gly Gly Gly Ala Gly Thr Thr Thr Gly Gly Cys Ala
290 295 300

Ala Gly Ala Gly Gly Thr Ala Cys Gly Cys Cys Cys Thr Gly Gly Ala
305 310 315 320

Thr Thr Ala Cys Thr Gly Gly Gly Gly Cys Cys Ala Gly Gly Gly Cys
325 330 335

Ala Cys Ala Ala Cys Cys Gly Thr Gly Ala Cys Ala Gly Thr Gly Ala
340 345 350

Gly Cys Thr Cys Cys
355

<210> 54
<211> 321
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 54

Gly Ala Cys Ala Thr Cys Gly Thr Gly Ala Thr Gly Ala Cys Cys Cys
1 5 10 15

Ala Gly Ala Gly Cys Cys Ala Cys Ala Ala Gly Thr Thr Cys Ala Thr
20 25 30

Gly Ala Gly Cys Ala Cys Cys Ala Gly Cys Gly Thr Gly Gly Gly Cys
35 40 45

Gly Ala Thr Ala Gly Gly Gly Thr Gly Ala Gly Cys Ala Thr Cys Ala
50 55 60

Gly Cys Thr Gly Cys Ala Ala Gly Gly Cys Cys Ala Gly Cys Cys Ala
65 70 75 80

Gly Gly Ala Thr Gly Thr Gly Ala Cys Cys Cys Cys Thr Gly Cys Cys
85 90 95

Gly Thr Gly Gly Cys Cys Thr Gly Gly Thr Ala Cys Cys Ala Gly Cys
100 105 110

Ala Gly Ala Ala Gly Cys Cys Cys Gly Gly Cys Cys Ala Gly Ala Gly
115 120 125

Cys Cys Cys Cys Ala Ala Gly Cys Thr Gly Cys Thr Gly Ala Thr Cys
130 135 140

Thr Ala Cys Ala Gly Cys Ala Cys Cys Ala Gly Cys Ala Gly Cys Ala
145 150 155 160

Gly Gly Thr Ala Cys Ala Cys Cys Gly Gly Cys Gly Thr Gly Cys Cys
165 170 175

Cys Gly Ala Cys Ala Gly Gly Thr Thr Cys Ala Cys Ala Gly Gly Ala
180 185 190

Ala Gly Cys Gly Gly Cys Ala Gly Cys Gly Gly Cys Ala Cys Cys Gly
195 200 205

Ala Cys Thr Thr Cys Ala Cys Cys Thr Thr Cys Ala Cys Cys Ala Thr
210 215 220

Cys Ala Gly Cys Ala Gly Cys Gly Thr Gly Cys Ala Gly Gly Cys Cys
225 230 235 240

Gly Ala Gly Gly Ala Cys Cys Thr Gly Gly Cys Cys Gly Thr Gly Thr
245 250 255

Ala Cys Thr Ala Cys Thr Gly Cys Cys Ala Gly Cys Ala Gly Cys Ala
260 265 270

Cys Thr Ala Cys Ala Cys Cys Ala Cys Cys Cys Cys Thr Cys Thr Gly
275 280 285

Ala Cys Cys Thr Thr Cys Gly Gly Cys Gly Cys Cys Gly Gly Cys Ala
290 295 300

Cys Cys Ala Ala Gly Cys Thr Gly Gly Ala Gly Cys Thr Gly Ala Ala
305 310 315 320

Gly

<210> 55
<211> 321
<212> PRT
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<220>
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<400> 55

Gly Ala Cys Ala Thr Cys Cys Ala Gly Ala Thr Gly Ala Cys Cys Cys
1 5 10 15

Ala Gly Ala Gly Cys Cys Cys Thr Ala Gly Cys Ala Gly Cys Cys Thr
20 25 30

Gly Ala Gly Cys Gly Cys Thr Ala Gly Cys Gly Thr Gly Gly Gly Cys
35 40 45

Gly Ala Cys Ala Gly Gly Gly Thr Gly Ala Cys Cys Ala Thr Cys Ala
50 55 60

Cys Cys Thr Gly Cys Ala Ala Gly Gly Cys Cys Ala Gly Cys Cys Ala
65 70 75 80

Gly Gly Ala Thr Gly Thr Gly Ala Cys Cys Cys Cys Thr Gly Cys Cys
85 90 95

Gly Thr Gly Gly Cys Cys Thr Gly Gly Thr Ala Cys Cys Ala Gly Cys
100 105 110

Ala Gly Ala Ala Gly Cys Cys Cys Gly Gly Cys Ala Ala Gly Gly Cys
115 120 125

Cys Cys Cys Cys Ala Ala Gly Cys Thr Gly Cys Thr Gly Ala Thr Cys
130 135 140

Thr Ala Cys Ala Gly Cys Ala Cys Cys Ala Gly Cys Ala Gly Cys Ala
145 150 155 160

Gly Gly Thr Ala Cys Ala Cys Cys Gly Gly Cys Gly Thr Gly Cys Cys
165 170 175

Cys Ala Gly Cys Ala Gly Gly Thr Thr Thr Ala Gly Cys Gly Gly Ala
180 185 190

Ala Gly Cys Gly Gly Cys Ala Gly Cys Gly Gly Cys Ala Cys Cys Gly
195 200 205

Ala Cys Thr Thr Cys Ala Cys Cys Thr Thr Cys Ala Cys Cys Ala Thr
210 215 220

Cys Ala Gly Cys Ala Gly Cys Cys Thr Gly Cys Ala Gly Cys Cys Cys
225 230 235 240

Gly Ala Gly Gly Ala Cys Ala Thr Cys Gly Cys Cys Ala Cys Cys Thr
245 250 255

Ala Cys Thr Ala Cys Thr Gly Cys Cys Ala Gly Cys Ala Gly Cys Ala
260 265 270

Cys Thr Ala Cys Ala Cys Cys Ala Cys Cys Cys Cys Thr Cys Thr Gly
275 280 285

Ala Cys Cys Thr Thr Cys Gly Gly Cys Cys Ala Gly Gly Gly Cys Ala
290 295 300

Cys Cys Ala Ala Gly Cys Thr Gly Gly Ala Gly Ala Thr Cys Ala Ala
305 310 315 320

Gly

<210> 56
<211> 321
<212> PRT
<213> Artificial Sequence

<220>
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<400> 56

Gly Ala Cys Ala Thr Cys Cys Ala Gly Ala Thr Gly Ala Cys Cys Cys
1 5 10 15

Ala Gly Ala Gly Cys Cys Cys Thr Ala Gly Cys Ala Gly Cys Cys Thr
20 25 30

Gly Ala Gly Cys Gly Cys Thr Ala Gly Cys Gly Thr Gly Gly Gly Cys
35 40 45

Gly Ala Cys Ala Gly Gly Gly Thr Gly Ala Cys Cys Ala Thr Cys Ala
50 55 60

Cys Cys Thr Gly Cys Ala Ala Gly Gly Cys Cys Ala Gly Cys Cys Ala
65 70 75 80

Gly Gly Ala Thr Gly Thr Gly Ala Cys Cys Cys Cys Thr Gly Cys Cys
85 90 95

Gly Thr Gly Gly Cys Cys Thr Gly Gly Thr Ala Cys Cys Ala Gly Cys
100 105 110

Ala Gly Ala Ala Gly Cys Cys Cys Gly Gly Cys Ala Ala Gly Thr Cys
115 120 125

Cys Cys Cys Cys Ala Ala Gly Cys Thr Gly Cys Thr Gly Ala Thr Cys
130 135 140

Thr Ala Cys Ala Gly Cys Ala Cys Cys Ala Gly Cys Ala Gly Cys Ala
145 150 155 160

Gly Gly Thr Ala Cys Ala Cys Cys Gly Gly Cys Gly Thr Gly Cys Cys
165 170 175

Cys Ala Gly Cys Ala Gly Gly Thr Thr Thr Ala Gly Cys Gly Gly Ala
180 185 190

Ala Gly Cys Gly Gly Cys Ala Gly Cys Gly Gly Cys Ala Cys Cys Gly
195 200 205

Ala Cys Thr Thr Cys Ala Cys Cys Thr Thr Cys Ala Cys Cys Ala Thr
210 215 220

Cys Ala Gly Cys Ala Gly Cys Cys Thr Gly Cys Ala Gly Cys Cys Cys
225 230 235 240

Gly Ala Gly Gly Ala Cys Ala Thr Cys Gly Cys Cys Ala Cys Cys Thr
245 250 255

Ala Cys Thr Ala Cys Thr Gly Cys Cys Ala Gly Cys Ala Gly Cys Ala
260 265 270

Cys Thr Ala Cys Ala Cys Cys Ala Cys Cys Cys Cys Thr Cys Thr Gly
275 280 285

Ala Cys Cys Thr Thr Cys Gly Gly Cys Cys Ala Gly Gly Gly Cys Ala
290 295 300

Cys Cys Ala Ala Gly Cys Thr Gly Gly Ala Gly Ala Thr Cys Ala Ala
305 310 315 320

Gly

<210> 57
<211> 324
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 57

Gly Ala Cys Ala Thr Thr Cys Ala Gly Ala Thr Gly Ala Cys Cys Cys
1 5 10 15

Ala Gly Thr Cys Cys Cys Cys Thr Ala Gly Cys Ala Gly Cys Cys Thr
20 25 30

Gly Thr Cys Cys Gly Cys Thr Thr Cys Cys Gly Thr Gly Gly Gly Cys
35 40 45

Gly Ala Cys Ala Gly Gly Gly Thr Gly Ala Cys Cys Ala Thr Cys Ala
50 55 60

Cys Cys Thr Gly Cys Ala Ala Gly Gly Cys Cys Ala Gly Cys Cys Ala
65 70 75 80

Gly Gly Ala Cys Gly Thr Gly Ala Cys Ala Cys Cys Thr Gly Cys Thr
85 90 95

Gly Thr Gly Gly Cys Cys Thr Gly Gly Thr Ala Thr Cys Ala Ala Cys
100 105 110

Ala Gly Ala Ala Gly Cys Cys Thr Gly Gly Cys Ala Ala Gly Gly Cys
115 120 125

Thr Cys Cys Thr Ala Ala Gly Cys Thr Cys Cys Thr Gly Ala Thr Cys
130 135 140

Thr Ala Cys Ala Gly Cys Ala Cys Ala Thr Cys Cys Thr Cys Cys Cys
145 150 155 160

Gly Gly Thr Ala Cys Ala Cys Cys Gly Gly Ala Gly Thr Gly Cys Cys
165 170 175

Cys Thr Cys Cys Ala Gly Gly Thr Thr Thr Ala Gly Cys Gly Gly Cys
180 185 190

Ala Gly Cys Gly Gly Cys Thr Cys Cys Gly Gly Cys Ala Cys Cys Gly
195 200 205

Ala Thr Thr Thr Cys Ala Cys Cys Cys Thr Gly Ala Cys Cys Ala Thr
210 215 220

Thr Thr Cys Cys Thr Cys Cys Cys Thr Gly Cys Ala Gly Cys Cys Cys
225 230 235 240

Gly Ala Gly Gly Ala Cys Thr Thr Cys Gly Cys Cys Ala Cys Cys Thr
245 250 255

Ala Cys Thr Ala Cys Thr Gly Cys Cys Ala Gly Cys Ala Gly Cys Ala
260 265 270

Cys Thr Ala Cys Ala Cys Cys Ala Cys Ala Cys Cys Cys Cys Thr Gly
275 280 285

Ala Cys Cys Thr Thr Cys Gly Gly Cys Cys Ala Gly Gly Gly Cys Ala
290 295 300

Cys Cys Ala Ala Gly Cys Thr Gly Gly Ala Gly Ala Thr Cys Ala Ala
305 310 315 320

Gly Cys Gly Gly

<210> 58
<211> 324
<212> PRT
<213> Artificial Sequence

<220>
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<400> 58

Gly Ala Cys Ala Thr Thr Cys Ala Gly Ala Thr Gly Ala Cys Cys Cys
1 5 10 15

Ala Gly Thr Cys Cys Cys Cys Thr Ala Gly Cys Ala Gly Cys Cys Thr
20 25 30

Gly Thr Cys Cys Gly Cys Thr Thr Cys Cys Gly Thr Gly Gly Gly Cys
35 40 45

Gly Ala Cys Ala Gly Gly Gly Thr Gly Ala Cys Cys Ala Thr Cys Ala
50 55 60

Cys Cys Thr Gly Cys Ala Ala Gly Gly Cys Cys Ala Gly Cys Cys Ala
65 70 75 80

Gly Gly Ala Cys Gly Thr Gly Ala Cys Ala Cys Cys Thr Gly Cys Thr
85 90 95

Gly Thr Gly Gly Cys Cys Thr Gly Gly Thr Ala Thr Cys Ala Ala Cys
100 105 110

Ala Gly Ala Ala Gly Cys Cys Thr Gly Gly Cys Ala Ala Gly Gly Cys
115 120 125

Thr Cys Cys Thr Ala Ala Gly Cys Thr Cys Cys Thr Gly Ala Thr Cys
130 135 140

Thr Ala Cys Ala Gly Cys Ala Cys Ala Thr Cys Cys Thr Cys Cys Cys
145 150 155 160

Gly Gly Thr Ala Cys Ala Cys Cys Gly Gly Ala Gly Thr Gly Cys Cys
165 170 175

Cys Gly Ala Cys Ala Gly Gly Thr Thr Thr Ala Cys Cys Gly Gly Cys
180 185 190

Ala Gly Cys Gly Gly Cys Thr Cys Cys Gly Gly Cys Ala Cys Cys Gly
195 200 205

Ala Thr Thr Thr Cys Ala Cys Cys Cys Thr Gly Ala Cys Cys Ala Thr
210 215 220

Thr Thr Cys Cys Thr Cys Cys Cys Thr Gly Cys Ala Gly Cys Cys Cys
225 230 235 240

Gly Ala Gly Gly Ala Cys Thr Thr Cys Gly Cys Cys Ala Cys Cys Thr
245 250 255

Ala Cys Thr Ala Cys Thr Gly Cys Cys Ala Gly Cys Ala Gly Cys Ala
260 265 270

Cys Thr Ala Cys Ala Cys Cys Ala Cys Ala Cys Cys Cys Cys Thr Gly
275 280 285

Ala Cys Cys Thr Thr Cys Gly Gly Cys Cys Ala Gly Gly Gly Cys Ala
290 295 300

Cys Cys Ala Ala Gly Cys Thr Gly Gly Ala Gly Ala Thr Cys Ala Ala
305 310 315 320

Gly Cys Gly Gly

<210> 59
<211> 324
<212> PRT
<213> Artificial Sequence

<220>
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<400> 59

Gly Ala Cys Ala Thr Thr Cys Ala Gly Ala Thr Gly Ala Cys Cys Cys
1 5 10 15

Ala Gly Thr Cys Cys Cys Cys Thr Ala Gly Cys Ala Gly Cys Cys Thr
20 25 30

Gly Thr Cys Cys Gly Cys Thr Thr Cys Cys Gly Thr Gly Gly Gly Cys
35 40 45

Gly Ala Cys Ala Gly Gly Gly Thr Gly Ala Cys Cys Ala Thr Cys Ala
50 55 60

Cys Cys Thr Gly Cys Ala Ala Gly Gly Cys Cys Ala Gly Cys Cys Ala
65 70 75 80

Gly Gly Ala Cys Gly Thr Gly Ala Cys Ala Cys Cys Thr Gly Cys Thr
85 90 95

Gly Thr Gly Gly Cys Cys Thr Gly Gly Thr Ala Thr Cys Ala Ala Cys
100 105 110

Ala Gly Ala Ala Gly Cys Cys Thr Gly Gly Cys Cys Ala Gly Ala Gly
115 120 125

Cys Cys Cys Thr Ala Ala Gly Cys Thr Cys Cys Thr Gly Ala Thr Cys
130 135 140

Thr Ala Cys Ala Gly Cys Ala Cys Ala Thr Cys Cys Thr Cys Cys Cys
145 150 155 160

Gly Gly Thr Ala Cys Ala Cys Cys Gly Gly Ala Gly Thr Gly Cys Cys
165 170 175

Cys Gly Ala Cys Ala Gly Gly Thr Thr Thr Ala Cys Cys Gly Gly Cys
180 185 190

Ala Gly Cys Gly Gly Cys Thr Cys Cys Gly Gly Cys Ala Cys Cys Gly
195 200 205

Ala Thr Thr Thr Cys Ala Cys Cys Cys Thr Gly Ala Cys Cys Ala Thr
210 215 220

Thr Thr Cys Cys Thr Cys Cys Cys Thr Gly Cys Ala Gly Cys Cys Cys
225 230 235 240

Gly Ala Gly Gly Ala Cys Thr Thr Cys Gly Cys Cys Ala Cys Cys Thr
245 250 255

Ala Cys Thr Ala Cys Thr Gly Cys Cys Ala Gly Cys Ala Gly Cys Ala
260 265 270

Cys Thr Ala Cys Ala Cys Cys Ala Cys Ala Cys Cys Cys Cys Thr Gly
275 280 285

Ala Cys Cys Thr Thr Cys Gly Gly Cys Cys Ala Gly Gly Gly Cys Ala
290 295 300

Cys Cys Ala Ala Gly Cys Thr Gly Gly Ala Gly Ala Thr Cys Ala Ala
305 310 315 320

Gly Cys Gly Gly

<210> 60
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<212> PRT

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<220>
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<400> 60

Gly Ala Cys Ala Thr Thr Cys Ala Gly Ala Thr Gly Ala Cys Cys Cys
1 5 10 15

Ala Gly Thr Cys Cys Cys Cys Thr Ala Gly Cys Ala Gly Cys Cys Thr
20 25 30

Gly Thr Cys Cys Gly Cys Thr Thr Cys Cys Gly Thr Gly Gly Gly Cys
35 40 45

Gly Ala Cys Ala Gly Gly Gly Thr Gly Ala Cys Cys Ala Thr Cys Ala
50 55 60

Gly Cys Thr Gly Cys Ala Ala Gly Gly Cys Cys Ala Gly Cys Cys Ala
65 70 75 80

Gly Gly Ala Cys Gly Thr Gly Ala Cys Ala Cys Cys Thr Gly Cys Thr
85 90 95

Gly Thr Gly Gly Cys Cys Thr Gly Gly Thr Ala Thr Cys Ala Ala Cys
100 105 110

Ala Gly Ala Ala Gly Cys Cys Thr Gly Gly Cys Cys Ala Gly Ala Gly
115 120 125

Cys Cys Cys Thr Ala Ala Gly Cys Thr Cys Cys Thr Gly Ala Thr Cys
130 135 140

Thr Ala Cys Ala Gly Cys Ala Cys Ala Thr Cys Cys Thr Cys Cys Cys
145 150 155 160

Gly Gly Thr Ala Cys Ala Cys Cys Gly Gly Ala Gly Thr Gly Cys Cys
165 170 175

Cys Gly Ala Cys Ala Gly Gly Thr Thr Thr Ala Cys Cys Gly Gly Cys
180 185 190

Ala Gly Cys Gly Gly Cys Thr Cys Cys Gly Gly Cys Ala Cys Cys Gly
195 200 205

Ala Thr Thr Thr Cys Ala Cys Cys Cys Thr Gly Ala Cys Cys Ala Thr
210 215 220

Thr Thr Cys Cys Thr Cys Cys Cys Thr Gly Cys Ala Gly Cys Cys Cys
225 230 235 240

Gly Ala Gly Gly Ala Cys Thr Thr Cys Gly Cys Cys Ala Cys Cys Thr
245 250 255

Ala Cys Thr Ala Cys Thr Gly Cys Cys Ala Gly Cys Ala Gly Cys Ala
260 265 270

Cys Thr Ala Cys Ala Cys Cys Ala Cys Ala Cys Cys Cys Cys Thr Gly
275 280 285

Ala Cys Cys Thr Thr Cys Gly Gly Cys Cys Ala Gly Gly Gly Cys Ala
290 295 300

Cys Cys Ala Ala Gly Cys Thr Gly Gly Ala Gly Ala Thr Cys Ala Ala
305 310 315 320

Gly Cys Gly Gly

<210> 61
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 61

Thr Tyr Asp Met Ser
1 5

<210> 62
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 62

Cys Tyr Asp Met Ser
1 5

<210> 63
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 63

Ser Phe Asp Met Ser
1 5

<210> 64
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 64

Ser His Asp Met Ser
1 5

<210> 65
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
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<400> 65

Ser Trp Asp Met Ser
1 5

<210> 66
<211> 5
<212> PRT
<213> Artificial Sequence

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<400> 66

Ser Tyr Asp Met Thr
1 5

<210> 67
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
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<400> 67

Ser Tyr Asp Met Cys
1 5

<210> 68
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
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<400> 68

Thr Ile Ser Asp Gly Gly Ala Tyr Ile Tyr Tyr Ser Asp Ser Val Lys
1 5 10 15

Gly

<210> 69
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 69

Thr Ile Ser Asp Gly Gly Pro Tyr Ile Tyr Tyr Ser Asp Ser Val Lys
1 5 10 15

Gly

<210> 70
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 70

Thr Ile Ser Asp Gly Gly Gly Phe Ile Tyr Tyr Ser Asp Ser Val Lys
1 5 10 15

Gly

<210> 71
<211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 71

Thr Ile Ser Asp Gly Gly Gly His Ile Tyr Tyr Ser Asp Ser Val Lys
1 5 10 15

Gly

<210> 72
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 72

Thr Ile Ser Asp Gly Gly Gly Trp Ile Tyr Tyr Ser Asp Ser Val Lys
1 5 10 15

Gly

<210> 73
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 73

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

Gly

<210> 74
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 74

Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Cys Val Lys
1 5 10 15

Gly

<210> 75
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 75

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

Gly

<210> 76
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 76

Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Ile Lys
1 5 10 15

Gly

<210> 77
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 77

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

Gly

<210> 78
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 78

Gln Phe Gly Lys Arg Tyr Ala Leu Asp Tyr
1 5 10

<210> 79
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 79

Asp Phe Gly Lys Arg Tyr Ala Leu Asp Tyr
1 5 10

<210> 80
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 80

Asn Phe Gly Lys Arg Tyr Ala Leu Asp Tyr
1 5 10

<210> 81
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 81

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

<210> 82
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 82

Glu His Gly Lys Arg Tyr Ala Leu Asp Tyr
1 5 10

<210> 83
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 83

Glu Trp Gly Lys Arg Tyr Ala Leu Asp Tyr
1 5 10

<210> 84
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 84

Glu Phe Ala Lys Arg Tyr Ala Leu Asp Tyr
1 5 10

<210> 85
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 85

Glu Phe Pro Lys Arg Tyr Ala Leu Asp Tyr
1 5 10

<210> 86
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 86

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

<210> 87
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 87

Glu Phe Gly Lys Lys Tyr Ala Leu Asp Tyr
1 5 10

<210> 88
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 88

Glu Phe Gly Lys Arg Phe Ala Leu Asp Tyr
1 5 10

<210> 89
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 89

Glu Phe Gly Lys Arg His Ala Leu Asp Tyr
1 5 10

<210> 90
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 90

Glu Phe Gly Lys Arg Trp Ala Leu Asp Tyr
1 5 10

<210> 91
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 91

Lys Ala Thr Gln Asp Val Thr Pro Ala Val Ala
1 5 10

<210> 92
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 92

Lys Ala Cys Gln Asp Val Thr Pro Ala Val Ala
1 5 10

<210> 93
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 93

Thr Thr Ser Ser Arg Tyr Thr
1 5

<210> 94
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 94

Cys Thr Ser Ser Arg Tyr Thr
1 5

<210> 95
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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Ser Ser Ser Ser Arg Tyr Thr
1 5

<210> 96
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Ser Met Ser Ser Arg Tyr Thr
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Ser Val Ser Ser Arg Tyr Thr
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Ser Thr Thr Ser Arg Tyr Thr
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Ser Thr Cys Ser Arg Tyr Thr
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Ser Thr Ser Thr Arg Tyr Thr
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Ser Thr Ser Cys Arg Tyr Thr
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<210> 102
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<220>
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Ser Thr Ser Ser Lys Tyr Thr
1 5

<210> 103
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Ser Thr Ser Ser Arg Phe Thr
1 5

<210> 104
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Ser Thr Ser Ser Arg His Thr
1 5

<210> 105
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Ser Thr Ser Ser Arg Trp Thr
1 5

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Glu Gln His Tyr Thr Thr Pro Leu Thr
1 5

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<400> 107

Asp Gln His Tyr Thr Thr Pro Leu Thr
1 5

<210> 108
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<220>
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Asn Gln His Tyr Thr Thr Pro Leu Thr
1 5

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Gln Glu His Tyr Thr Thr Pro Leu Thr
1 5

<210> 110
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Gln Asp His Tyr Thr Thr Pro Leu Thr
1 5

<210> 111
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<212> PRT
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<400> 111

Gln Asn His Tyr Thr Thr Pro Leu Thr
1 5

<210> 112
<211> 357
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<220>
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<400> 112

Gly Ala Ala Gly Thr Gly Ala Ala Ala Cys Thr Gly Gly Thr Gly Gly
1 5 10 15

Ala Gly Thr Cys Thr Gly Gly Gly Gly Gly Ala Gly Ala Cys Thr Thr
20 25 30

Ala Gly Thr Gly Ala Ala Gly Cys Cys Thr Gly Gly Ala Gly Gly Gly
35 40 45

Thr Cys Cys Cys Thr Gly Ala Ala Ala Cys Thr Cys Thr Cys Cys Thr
50 55 60

Gly Thr Gly Cys Ala Gly Cys Cys Thr Cys Thr Gly Gly Ala Thr Thr
65 70 75 80

Cys Ala Cys Thr Thr Thr Cys Ala Gly Thr Ala Gly Cys Thr Ala Thr
85 90 95

Gly Ala Cys Ala Thr Gly Thr Cys Thr Thr Gly Gly Gly Thr Thr Cys
100 105 110

Gly Cys Cys Ala Gly Ala Cys Thr Cys Cys Gly Gly Ala Gly Ala Ala
115 120 125

Gly Ala Gly Thr Cys Thr Gly Gly Ala Gly Thr Gly Gly Gly Thr Cys
130 135 140

Gly Cys Ala Ala Cys Cys Ala Thr Thr Ala Gly Thr Gly Ala Thr Gly
145 150 155 160

Gly Thr Gly Gly Thr Gly Gly Thr Thr Ala Cys Ala Thr Cys Thr Ala
165 170 175

Cys Thr Ala Thr Thr Cys Ala Gly Ala Cys Ala Gly Thr Gly Thr Gly
180 185 190

Ala Ala Gly Gly Gly Gly Cys Gly Ala Thr Thr Thr Ala Cys Cys Ala
195 200 205

Thr Cys Thr Cys Cys Ala Gly Ala Gly Ala Cys Ala Ala Thr Gly Cys
210 215 220

Cys Ala Ala Gly Ala Ala Cys Ala Ala Cys Cys Thr Gly Thr Ala Cys
225 230 235 240

Cys Thr Gly Cys Ala Ala Ala Thr Gly Ala Gly Cys Ala Gly Thr Cys
245 250 255

Thr Gly Ala Gly Gly Thr Cys Thr Gly Ala Gly Gly Ala Cys Ala Cys
260 265 270

Gly Gly Cys Cys Thr Thr Gly Thr Ala Thr Ala Thr Thr Thr Gly Thr
275 280 285

Gly Cys Ala Ala Gly Ala Gly Ala Ala Thr Thr Thr Gly Gly Thr Ala
290 295 300

Ala Gly Cys Gly Cys Thr Ala Thr Gly Cys Thr Thr Thr Gly Gly Ala
305 310 315 320

Cys Thr Ala Cys Thr Gly Gly Gly Gly Thr Cys Ala Ala Gly Gly Ala
325 330 335

Ala Cys Cys Thr Cys Ala Gly Thr Cys Ala Cys Cys Gly Thr Cys Thr
340 345 350

Cys Cys Thr Cys Ala
355

<210> 113
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<212> PRT
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<220>
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<400> 113

Glu Val Lys Leu Val Glu Ser Gly Gly Asp Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Asp Met Ser Trp Val Arg Gln Thr Pro Glu Lys Ser Leu Glu Trp Val
35 40 45

Ala Thr Ile Ser Asp Gly Gly Gly Tyr Ile Tyr Tyr Ser Asp Ser Val
50 55 60

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

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

Ala Arg Glu Phe Gly Lys Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Ser Val Thr
115

<210> 114
<211> 321
<212> PRT
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<220>
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<400> 114

Gly Ala Cys Ala Thr Thr Gly Thr Gly Ala Thr Gly Ala Cys Cys Cys
1 5 10 15

Ala Gly Thr Cys Thr Cys Ala Cys Ala Ala Ala Thr Thr Cys Ala Thr
20 25 30

Gly Thr Cys Cys Ala Cys Ala Thr Cys Gly Gly Thr Ala Gly Gly Ala
35 40 45

Gly Ala Cys Ala Gly Gly Gly Thr Cys Ala Gly Cys Ala Thr Cys Thr
50 55 60

Cys Cys Thr Gly Cys Ala Ala Gly Gly Cys Cys Ala Gly Thr Cys Ala
65 70 75 80

Gly Gly Ala Thr Gly Thr Gly Ala Cys Thr Cys Cys Thr Gly Cys Thr
85 90 95

Gly Thr Cys Gly Cys Cys Thr Gly Gly Thr Ala Thr Cys Ala Ala Cys
100 105 110

Ala Gly Ala Ala Gly Cys Cys Ala Gly Gly Ala Cys Ala Ala Thr Cys
115 120 125

Thr Cys Cys Thr Ala Ala Ala Cys Thr Ala Cys Thr Gly Ala Thr Thr
130 135 140

Thr Ala Cys Thr Cys Cys Ala Cys Ala Thr Cys Cys Thr Cys Cys Cys
145 150 155 160

Gly Gly Thr Ala Cys Ala Cys Thr Gly Gly Ala Gly Thr Cys Cys Cys
165 170 175

Thr Gly Ala Thr Cys Gly Cys Thr Thr Cys Ala Cys Thr Gly Gly Cys
180 185 190

Ala Gly Thr Gly Gly Ala Thr Cys Thr Gly Gly Gly Ala Cys Gly Gly
195 200 205

Ala Thr Thr Thr Cys Ala Cys Thr Thr Thr Cys Ala Cys Cys Ala Thr
210 215 220

Cys Ala Gly Cys Ala Gly Thr Gly Thr Gly Cys Ala Gly Gly Cys Thr
225 230 235 240

Gly Ala Ala Gly Ala Cys Cys Thr Gly Gly Cys Ala Gly Thr Thr Thr
245 250 255

Ala Thr Thr Ala Cys Thr Gly Thr Cys Ala Gly Cys Ala Ala Cys Ala
260 265 270

Thr Thr Ala Thr Ala Cys Thr Ala Cys Thr Cys Cys Gly Cys Thr Cys
275 280 285

Ala Cys Gly Thr Thr Cys Gly Gly Thr Gly Cys Thr Gly Gly Gly Ala
290 295 300

Cys Cys Ala Ala Gly Cys Thr Gly Gly Ala Gly Cys Thr Gly Ala Ala
305 310 315 320

Ala

<210> 115
<211> 107
<212> PRT
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<220>
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<400> 115

Asp Ile Val Met Thr Gln Ser His Lys Phe Met Ser Thr Ser Val Gly
1 5 10 15

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

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

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

Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Val Gln Ala
65 70 75 80

Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln His Tyr Thr Thr Pro Leu
85 90 95

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