

pctnl2016050064-seq1
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Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly Ser
1 5 10 15

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

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

Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp Ser Val Lys
50 55 60

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

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

Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Ser Leu Glu Asn
100 105 110

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Met Asn Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser
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Val Gln Leu Val Glu Ser Gly Gly Gly Ser Val Gln Ala Gly Gly Ser
 1 5 10 15

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

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

Val Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp Ser Val Lys
 50 55 60

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

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

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

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

Ala Ala Ile Arg Trp Ser Gly Glu Ser Pro Ile Tyr Ala Asp Ser Val
 50 55 60

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

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

Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Thr Leu Glu
 100 105 110

Ser Met Arg Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser
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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
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Ser Leu Gly Leu Ser Cys Ala Ala Ser Gly Arg Ser Phe Ser Ser Tyr
 20 25 30

Thr Met Gly Val Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp
 35 40 45

Ser Val Lys Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala
 50 55 60

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

Thr Leu Tyr Leu Gln Met Asn Asn Leu Lys Pro Glu Asp Thr Ala Val
 85 90 95

Tyr Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg
 100 105 110

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

Met Gly Ala Ile Arg Trp Ser Asp Glu Ser Pro Ile Tyr Ala Gly Ser
 35 40 45

Val Lys Gly Gly Ile Arg Trp Ser Asp Glu Ser Pro Ile Tyr Ala Asp
 50 55 60

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

Leu Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr
 85 90 95

Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Pro Arg Thr
 100 105 110

Ser Glu Ser Met Arg Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser
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Ser

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Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
 1 5 10 15

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

Thr Met Ala Ala Ile Arg Trp Ser Asp Glu Ser Pro Tyr Tyr Ser Asp
 35 40 45

Ser Val Lys Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Ile Tyr Ala
 50 55 60

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

Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val
 85 90 95

Tyr Asn Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg
 100 105 110

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

Thr Met Gly Thr Ile Arg Thr Gly Gly Ser Thr Asn Tyr Ala Asp Ser
 35 40 45

Val Lys Gly Gly Ile Arg Trp Asp Asp Glu Asn Pro Tyr Tyr Ala Asp
 50 55 60

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

Leu Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Asn Tyr
 85 90 95

Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Phe Glu Arg Thr
 100 105 110

Leu Glu Asn Met Arg Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser
 115 120 125

Ser

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pctnl2016050064-seq1

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

Thr Met Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp
 35 40 45

Ser Val Lys Gly Ala Ile Arg Trp Asp Gly Glu Ser Pro Ile Tyr Ala
 50 55 60

Glu Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn
 65 70 75 80

Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val
 85 90 95

Tyr Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg
 100 105 110

Thr Leu Glu Ser Met Arg Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
 115 120 125

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

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Thr Met Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp
 35 40 45

Ser Val Lys Gly Val Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala
 50 55 60

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

Thr Val Tyr Leu Gln Met Ala Ser Leu Lys Pro Asp Asp Thr Ala Val
 85 90 95

Tyr Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg
 100 105 110

Thr Leu Glu Ser Met Asn Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
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Ser Ser
 130

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Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
 1 5 10 15

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

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Thr Met Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp
 35 40 45

Ser Val Lys Gly Ala Ile Arg Trp Ser Asp Glu Ser Pro Ile Tyr Ala
 50 55 60

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

Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val
 85 90 95

Tyr Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg
 100 105 110

Thr Leu Glu Ser Met Arg Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
 115 120 125

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

Thr Met Gly Ser Ile Asn Asn Gly Gly Ser Thr Lys Tyr Ala Asp Ser
 35 40 45

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Val Lys Gly Ala Ile Arg Trp Ser Asp Glu Ser Pro Tyr Tyr Ser Asp
 50 55 60

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

Leu Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr
 85 90 95

Tyr Cys Ser Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Thr
 100 105 110

Leu Glu Asn Met Arg Tyr Ser Gly Lys Gly Thr Leu Val Thr Val Ser
 115 120 125

Ser

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Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Met Phe Ser Asp Asn
 20 25 30

Val Met Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Val Asp
 35 40 45

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Ser Val Lys Gly Thr Ile Arg Thr Gly Gly Ser Thr Asn Tyr Ala Asp
 50 55 60

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

Val Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr
 85 90 95

Tyr Cys Arg His Thr Ile Pro Val Pro Ser Thr Pro Tyr Asp Tyr Trp
 100 105 110

Gly Gln Gly Thr Gln Val Thr Val Ser Ser
 115 120

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Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
 1 5 10 15

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

Thr Met Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Ile Tyr Ala Asp
 35 40 45

Ser Val Lys Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala
 50 55 60

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

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Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val
 85 90 95

Tyr Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg
 100 105 110

Thr Leu Glu Asn Met Asn Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
 115 120 125

Ser Ser
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Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly Ser
 1 5 10 15

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

Met Gly Gly Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp Ser
 35 40 45

Val Lys Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp
 50 55 60

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

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Leu Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr
 85 90 95

Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Thr
 100 105 110

Leu Glu Ser Met Asn Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser
 115 120 125

Ser

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Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
 1 5 10 15

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

Thr Met Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp
 35 40 45

Ser Val Lys Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Ile Tyr Ala
 50 55 60

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

Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val
 85 90 95

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Tyr Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg
 100 105 110

Thr Leu Glu Ser Met Lys Asp Trp Gly Lys Gly Thr Leu Val Thr Val
 115 120 125

Ser Ser
 130

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<400> 16

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
 1 5 10 15

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

Thr Met Thr Val Ile Ser Ser Ser Gly Ser Thr Asn Tyr Ala Asp Ser
 35 40 45

Val Lys Gly Gly Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp
 50 55 60

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

Leu Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr
 85 90 95

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Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Thr
 100 105 110

Leu Glu Ser Met Arg Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser
 115 120 125

Ser

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Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly Ser
 1 5 10 15

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

Met Gly Val Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp Ser
 35 40 45

Val Lys Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Gly Asp
 50 55 60

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

Leu Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr
 85 90 95

Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Gly Arg Thr
 100 105 110

pctnl2016050064-seq1

Leu Glu Ser Met Asn Asn Trp Gly Lys Gly Thr Leu Val Thr Val Ser
 115 120 125

Ser

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Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
 1 5 10 15

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

Thr Met Gly Ala Ile Arg Trp Ser Asp Glu Ser Pro Ile Tyr Ala Gly
 35 40 45

Ser Val Lys Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala
 50 55 60

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

Thr Leu Tyr Leu Gln Met His Ser Leu Lys Pro Glu Asp Thr Ala Val
 85 90 95

Tyr Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg
 100 105 110

pctnl2016050064-seq1

Ala Leu Glu Asn Met Asn Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
 115 120 125

Ser Ser
 130

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

Thr Met Gly Ala Ile Arg Trp Ser Asp Glu Ser Pro Tyr Tyr Ser Asp
 35 40 45

Ser Val Lys Gly Ala Ile Arg Trp Ser Asp Glu Ser Pro Ile Tyr Ala
 50 55 60

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

Thr Leu Tyr Leu Gln Met His Ser Leu Lys Pro Glu Asp Thr Ala Phe
 85 90 95

Tyr Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg
 100 105 110

Thr Leu Glu Ser Met Arg Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
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Ser Ser
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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15

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

Thr Met Gly Thr Ile Arg Thr Gly Gly Ser Thr Asn Tyr Ala Asp Ser
35 40 45

Val Lys Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp
50 55 60

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

Asn Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Leu Thr Ala Val Tyr
85 90 95

Tyr Cys Ala Ala Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Ser
100 105 110

Leu Glu Asn Met Asn Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser
115 120 125

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Ser

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Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Ile Phe Ser Ile Asn
 20 25 30

Ala Met Gly Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp
 35 40 45

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

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

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

Tyr Cys Ala Ala His Val Ala Gly Phe Asp Glu Tyr Asn Tyr Trp Gly
 100 105 110

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

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

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

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

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

<210> 31
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Gly Ser Ser Phe Ser Ser Tyr Thr Met Gly
 1 5 10

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

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Gly	Ser	Met	Phe	Ser	Asp	Asn	Val	Met	Gly
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Gly	Arg	Ser	Phe	Ser	Ser	Tyr	Thr	Met	Gly
1				5					10

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

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

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

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

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

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Gly Ser Ile Phe Ser Ile Asn Ala Met Gly
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Ala Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp Ser Val Lys
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Gly

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Val Ile Arg Trp Ser Gly Glu Ser Pro Tyr Tyr Ala Asp Ser Val Lys
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Gly

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<400> 45

Ala	Ile	Arg	Trp	Ser	Gly	Glu	Ser	Pro	Ile	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

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Ala	Ile	Arg	Trp	Ser	Gly	Glu	Ser	Pro	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

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Gly	Ile	Arg	Trp	Ser	Asp	Glu	Ser	Pro	Ile	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

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Ala	Ile	Arg	Trp	Ser	Gly	Glu	Ser	Pro	Ile	Tyr	Ala	Asp	Ser	Val	Lys
1				5				10						15	

Gly

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Gly	Ile	Arg	Trp	Asp	Asp	Glu	Asn	Pro	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
1				5				10						15	

Gly

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Ala	Ile	Arg	Trp	Asp	Gly	Glu	Ser	Pro	Ile	Tyr	Ala	Glu	Ser	Val	Lys
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Gly

<210> 51
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 2

<400> 51

Val	Ile	Arg	Trp	Ser	Gly	Glu	Ser	Pro	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

<210> 52
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 52

Ala	Ile	Arg	Trp	Ser	Asp	Glu	Ser	Pro	Ile	Tyr	Ala	Gly	Ser	Val	Lys
1				5					10					15	

Gly

<210> 53
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 53

Ala	Ile	Arg	Trp	Ser	Asp	Glu	Ser	Pro	Tyr	Tyr	Ser	Asp	Ser	Val	Lys
1				5					10					15	

Gly

<210> 54

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> 2

<400> 54

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

<210> 55

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> 2

<400> 55

Ala	Ile	Arg	Trp	Ser	Gly	Glu	Ser	Pro	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

<210> 56

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

pctn12016050064-seq1

<223> 2

<400> 56

Ala	Ile	Arg	Trp	Ser	Gly	Glu	Ser	Pro	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

<210> 57

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> 2

<400> 57

Ala	Ile	Arg	Trp	Ser	Gly	Glu	Ser	Pro	Ile	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

<210> 58

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> 2

<400> 58

Gly	Ile	Arg	Trp	Ser	Gly	Glu	Ser	Pro	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

pctnl2016050064-seq1

<210> 59
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 2

<400> 59

Ala	Ile	Arg	Trp	Ser	Gly	Glu	Ser	Pro	Tyr	Tyr	Gly	Asp	Ser	Val	Lys
1				5					10					15	

Gly

<210> 60
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 2

<400> 60

Ala	Ile	Arg	Trp	Ser	Gly	Glu	Ser	Pro	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

<210> 61
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 2

<400> 61

Ala	Ile	Arg	Trp	Ser	Asp	Glu	Ser	Pro	Ile	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

pctnl2016050064-seq1

Gly

<210> 62
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 2

<400> 62

Ala	Ile	Arg	Trp	Ser	Gly	Glu	Ser	Pro	Tyr	Tyr	Ala	Asp	Ser	Val	Lys
1				5					10					15	

Gly

<210> 63
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 2

<400> 63

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

<210> 64
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 64

pctnl2016050064-seq1

Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Ser Leu Glu Asn Met
 1 5 10 15

Asn Tyr Trp

<210> 65
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 3

<400> 65

Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Thr Leu Glu Ser Met
 1 5 10 15

Asn Tyr Trp

<210> 66
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 3

<400> 66

Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Thr Leu Glu Ser Met
 1 5 10 15

Arg Tyr Trp

<210> 67
 <211> 19
 <212> PRT
 <213> Artificial Sequence

pctnl2016050064-seq1

<220>

<223> 3

<400> 67

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Glu	Arg	Thr	Leu	Glu	Ser	Met
1				5					10					15	

Lys Asp Trp

<210> 68

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> 3

<400> 68

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Pro	Arg	Thr	Ser	Glu	Ser	Met
1				5					10					15	

Arg Tyr Trp

<210> 69

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> 3

<400> 69

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Glu	Arg	Thr	Leu	Glu	Ser	Met
1				5					10					15	

Arg Tyr Trp

pctnl2016050064-seq1

<210> 70
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 3

<400> 70

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Phe	Glu	Arg	Thr	Leu	Glu	Asn	Met
1				5					10					15	

Arg Tyr Trp

<210> 71
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 3

<400> 71

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Glu	Arg	Thr	Leu	Glu	Ser	Met
1				5					10					15	

Arg Tyr Trp

<210> 72
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 3

<400> 72

pctnl2016050064-seq1

Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Thr Leu Glu Ser Met
 1 5 10 15

Asn Tyr Trp

<210> 73
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 3

<400> 73

Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Thr Leu Glu Ser Met
 1 5 10 15

Arg Tyr Trp

<210> 74
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 3

<400> 74

Arg Leu Val Pro Pro Gly Ile Pro Ile Glu Arg Thr Leu Glu Asn Met
 1 5 10 15

Arg Tyr Ser

<210> 75
 <211> 12
 <212> PRT
 <213> Artificial Sequence

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<220>

<223> 3

<400> 75

Thr	Ile	Pro	Val	Pro	Ser	Thr	Pro	Tyr	Asp	Tyr	Trp
1				5					10		

<210> 76

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> 3

<400> 76

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Glu	Arg	Thr	Leu	Glu	Asn	Met
1				5					10					15	

Asn Tyr Trp

<210> 77

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> 3

<400> 77

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Glu	Arg	Thr	Leu	Glu	Ser	Met
1				5					10					15	

Asn Tyr Trp

<210> 78

<211> 19

pctnl2016050064-seq1

<212> PRT

<213> Artificial Sequence

<220>

<223> 3

<400> 78

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Glu	Arg	Thr	Leu	Glu	Ser	Met
1				5					10					15	

Lys Asp Trp

<210> 79

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> 3

<400> 79

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Glu	Arg	Thr	Leu	Glu	Ser	Met
1				5					10					15	

Arg Tyr Trp

<210> 80

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> 3

<400> 80

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Gly	Arg	Thr	Leu	Glu	Ser	Met
1				5					10					15	

pctnl2016050064-seq1

Asn Asn Trp

<210> 81
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 3

<400> 81

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Glu	Arg	Ala	Leu	Glu	Asn	Met
1				5					10					15	

Asn Tyr Trp

<210> 82
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 3

<400> 82

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Glu	Arg	Thr	Leu	Glu	Ser	Met
1				5					10					15	

Arg Tyr Trp

<210> 83
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> 3

pctnl2016050064-seq1

<400> 83

Arg	Leu	Val	Pro	Pro	Gly	Ile	Pro	Ile	Glu	Arg	Ser	Leu	Glu	Asn	Met
1				5					10					15	

Asn Tyr Trp

<210> 84

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> 3

<400> 84

His	Val	Ala	Gly	Phe	Asp	Glu	Tyr	Asn	Tyr	Trp
1				5					10	