

SEQUENCE LISTING

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<120> SOLID PHASE PEPTIDE SYNTHESIS PROCESSES AND ASSOCIATED SYSTEMS

<130> M0925.70372wo00

<140> PCT/US2014/017970

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<160> 47

<170> PatentIn version 3.5

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<222> (1)..(1)

<223> Modified with Fmoc

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Ala Leu Phe Ala Leu Phe Ala
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Leu Tyr Arg Ala Gly
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Val Gln Ala Ala Ile Asp Tyr Ile Asn Gly
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Gly Cys Cys Ser Leu Pro Pro Cys Ala Leu Asn Asn Pro Asp Tyr Cys
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Pro Val Asn Ile Ile Gly Arg Asn Leu Leu Thr Gln Ile Gly Cys Thr
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Leu Asn Phe

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Leu His Leu Pro Asn Leu Asn Glu Glu Gln Arg
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Ala Pro Lys

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Val Asp Asn Lys Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile
 1 5 10 15

Leu His Leu Pro Asn Leu Asn Glu Glu Gln Arg
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Gly Gly Gly Gly Gly Val Asp Asn Lys Phe Asn Lys Glu Gln Gln Asn
 1 5 10 15

Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu Asn Glu Glu Gln Arg
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Xaa

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<222> (1)..(1)

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Ala Pro Lys

<210> 14

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<222> (1)..(1)

<223> Modified with Boc

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Ala Pro Lys

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Val Asp Asn Lys Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile
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Leu His Leu Pro Asn Leu Asn Glu Glu Gln Arg Cys Ala Phe Ile Gln
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Ser Leu Lys Asp Asp Pro Ser
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Arg Gly Gly Leu Gly Gly Gln Gly
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Gly Gly Gly Gly Gly Ala Arg Leu Leu Arg Leu
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 <223> Alloc protected

<400> 18

Gly Gly Gly Gly Gly Xaa Leu Val Pro Arg Gly Ser Gly Gly Xaa Gly
 1 5 10 15

Gly Xaa Lys

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 <222> (16)..(16)
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 <223> Biotinylated

<400> 19

Gly Gly Gly Gly Gly Glu Asn Leu Tyr Phe Gln Ser Xaa Gly Gly Xaa
 1 5 10 15

Gly Gly Lys

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<400> 20

Cys Ala Phe Ile Gln Ser Leu Lys Asp Asp Pro Ser
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<400> 21

Glu Cys Gly Gly Leu Leu
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<211> 6

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<222> (1)..(1)

<223> Glutamic acid coupled to polypeptide through side chain carboxylate

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Glu Cys Gly Gly Leu Leu
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<211> 6

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<223> Synthetic Polypeptide

<400> 23

Asp Cys Gly Pro Leu Leu
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<222> (1)..(1)

<223> Glutamic acid coupled to polypeptide through side chain carboxylate

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<223> Synthetic Polypeptide

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Asp Glu Cys Gly Lys Leu Leu
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 <222> (1)..(1)
 <223> Glutamic acid coupled to polypeptide through side chain
 carboxylate

<400> 26

Glu Cys Gly Lys Leu Leu
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Asn Cys Gly His Leu Leu
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Glu Cys Gly His Leu Leu
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Gln Cys Gly Leu Leu Leu
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 carboxylate

<400> 30

Glu Cys Gly Leu Leu Leu
 1 5

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<400> 31

Cys Ala Cys Gly Ala Leu Tyr Lys Lys Gly Ser Phe Ala Gly Cys Ala
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Cys

<210> 32
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<400> 32

Cys Ala Gly Cys Ala Leu Tyr Lys Lys Gly Ser Phe Ala Cys Gly Ala
 1 5 10 15

Cys

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<400> 33

Cys Cys Ala Gly Ala Leu Tyr Lys Lys Gly Ser Phe Ala Gly Ala Cys
 1 5 10 15

Cys

<210> 34
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<400> 34

Ala Leu Phe Ala Leu Phe Ala Leu Phe Ala Leu Phe Ala
 1 5 10 15

Leu Phe Ala Leu Phe
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<210> 35

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<400> 35

Cys Asp Ile Asn Tyr Thr Ser Gly Phe Arg Asn Ser Asp Arg Ile Leu
 1 5 10 15

Tyr Ser Ser Asp Trp Leu Ile Tyr Lys Thr Thr Asp His Tyr Gln Thr
 20 25 30

Phe Thr Lys Ile Arg
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<222> (28)..(28)

<223> Xaa is Nle

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Gly Gly Gly Gly Gly Ser Asp Leu Gly Lys Lys Leu Leu Glu Ala Ala
 1 5 10 15

Arg Ala Gly Gln Asp Asp Glu Val Arg Ile Leu Xaa Ala Asn Gly Ala
 20 25 30

Asp Val Asn Ala Leu Asp Glu Asp Gly Leu Thr Pro Leu His Leu Ala
 35 40 45

Ala Gln Leu Gly His Leu Glu Ile Val Glu Val Leu Leu Lys Tyr Gly
 50 55 60

Ala Asp Val Asn Ala Glu Asp Asn Phe Gly Ile Thr Pro Leu His Leu
 65 70 75 80

Ala Ala Ile Arg Gly His Leu Glu Ile Val Glu Val Leu Leu Lys His
 85 90 95

Gly Ala Asp Val Asn Ala Gln Asp Lys Phe Gly Lys Thr Ala Phe Asp
 100 105 110

Ile Ser Ile Asp Asn Gly Asn Glu Asp Leu Ala Glu Ile Leu Gln Lys
 115 120 125

Leu Asn
 130

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 <222> (28)..(28)
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<400> 37

Gly Gly Gly Gly Gly Ser Asp Leu Gly Lys Lys Leu Leu Glu Ala Ala
 1 5 10 15

Arg Ala Gly Gln Asp Asp Glu Val Arg Ile Leu Xaa Ala Asn Gly
 20 25 30

<210> 38
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<400> 38

Cys Asp Val Asn Ala Leu Asp Glu Asp Gly Leu Thr Pro Leu His Leu
 1 5 10 15

Ala Ala Gln Leu Gly His Leu Glu Ile Val Glu Val Leu Leu Lys Tyr
 20 25 30

Gly

<210> 39
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<400> 39

Cys Asp Val Asn Ala Glu Asp Asn Phe Gly Ile Thr Pro Leu His Leu
 1 5 10 15

Ala Ala Ile Arg Gly His Leu Glu Ile Val Glu Val Leu Leu Lys His
 20 25 30

Gly

<210> 40
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<400> 40

Cys Asp Val Asn Ala Gln Asp Lys Phe Gly Lys Thr Ala Phe Asp Ile
 1 5 10 15

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

Asn

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 <223> Synthetic Polypeptide

<400> 41

Gly Gly Gly Ala Gln Val Ile Asn Thr Phe Asp Gly Val Ala Asp Tyr
 1 5 10 15

Leu Gln Thr Tyr His Lys Leu Pro Asp Asn Tyr Ile Thr Lys Ser Glu
 20 25 30

Ala Gln Ala Leu Gly Trp Val Ala Ser Lys Gly Asn Leu Ala Asp Val
 35 40 45

Ala Pro Gly Lys Ser Ile Gly Gly Asp Ile Phe Ser Asn Arg Glu Gly
 50 55 60

Lys Leu Pro Gly Lys Ser Gly Arg Thr Trp Arg Glu Ala Asp Ile Asn
 65 70 75 80

Tyr Thr Ser Gly Phe Arg Asn Ser Asp Arg Ile Leu Tyr Ser Ser Asp
 85 90 95

Trp Leu Ile Tyr Lys Thr Thr Asp His Tyr Gln Thr Phe Thr Lys Ile
 100 105 110

Arg

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Gly Gly Gly Ala Gln Val Ile Asn Thr Phe Asp Gly Val
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<400> 43

Cys Asp Tyr Leu Gln Thr Tyr His Lys Leu Pro Asp Asn Tyr Ile Thr
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Lys Ser Glu Ala Gln Ala Leu Gly Trp Val
 20 25

<210> 44
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<400> 44

Cys Ser Lys Gly Asn Leu Ala Asp Val Ala Pro Gly Lys Ser Ile Gly
 1 5 10 15

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

Arg Thr Trp Arg Glu
 35

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<400> 45

Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
 1 5 10 15

Glu Asn Tyr Cys Asn
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<400> 46

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

<210> 47

<211> 33

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<400> 47

Gly Cys Asx Arg Pro Arg Gly Asp Asn Pro Pro Leu Asx Cys Ser Gln
 1 5 10 15

Asp Ser Asp Cys Leu Ala Gly Cys Val Cys Gly Pro Asn Gly Phe Cys
 20 25 30

Gly