

P5804R1-WO_SL
SEQUENCE LISTING

<110> GENENTECH, INC. ET AL.

<120> METHODS AND COMPOSITIONS FOR SECRETION OF HETEROLOGOUS
POLYPEPTIDES

<130> P5804R1-WO

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<150> 62/108,476

<151> 2015-01-27

<150> 62/107,981

<151> 2015-01-26

<150> 61/953,629

<151> 2014-03-14

<160> 62

<170> PatentIn version 3.5

<210> 1

<211> 23

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<220>

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<400> 1

Met	Lys	Lys	Asn	Ile	Ala	Phe	Leu	Leu	Ala	Ser	Met	Phe	Val	Phe	Ser
1			5				10					15			

Ile	Ala	Thr	Asn	Ala	Tyr	Ala
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<210> 2

<211> 23

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<400> 2

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Ser Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
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<210> 3

<211> 19

<212> PRT

<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 3

Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Leu Val Leu Ala Phe Ser
1 5 10 15

Ala Ser Ala

<210> 4

<211> 21

<212> PRT

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<220>

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<400> 4

Met Lys Gln Ser Thr Ile Ala Leu Ala Leu Leu Pro Leu Leu Phe Thr
1 5 10 15

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Pro Val Thr Lys Ala
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<210> 5
<211> 21
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<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 5
Met Lys Gln Ser Thr Ile Ala Leu Ala Leu Leu Pro Leu Leu Phe Thr
1 5 10 15

Pro Val Thr Lys Ala
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<210> 6
<211> 26
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<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 6
Met Lys Ile Lys Thr Gly Ala Arg Ile Leu Ala Leu Ser Ala Leu Thr
1 5 10 15

Thr Met Met Phe Ser Ala Ser Ala Leu Ala
20 25

<210> 7
<211> 26
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<220>

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<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 7

Met Lys Ile Lys Thr Gly Ala Arg Ile Leu Ala Leu Ser Ala Leu Thr
1 5 10 15

Thr Met Met Phe Ser Ala Ser Ala Leu Ala
20 25

<210> 8

<211> 23

<212> PRT

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<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 8

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Leu Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
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<210> 9

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<400> 9

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Leu Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
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<210> 10
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<400> 10
Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Leu Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
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<210> 11
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<400> 11
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1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
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<210> 12
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<400> 12

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Ser Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Ser Ala
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<210> 13

<211> 19

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<400> 13

Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Ile Val Leu Ala Phe Ser
1 5 10 15

Ala Ser Ala

<210> 14

<211> 19

<212> PRT

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<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 14

Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Ser Val Leu Ala Phe Ser
1 5 10 15

Ala Ser Ala

<210> 15
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<220>
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 <223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 15
 Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Leu Val Leu Ala Phe Ser
 1 5 10 15

Ala Tyr Ala

<210> 16
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<400> 16
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 gctacaaacg cttacgct 78

<210> 17
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<400> 17
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gctacaaacg cttac 75

<210> 18
<211> 66
<212> DNA
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<400> 18
gcgcgcatta tgaaaaaaat ttggctcgcc ctggctgggt tagtttttagc gtttagcgca 60
tcggcg 66

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

<220>
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<400> 19
gcgcgcatta tgaaacaatc cacgattgcc ctggcactct taccgttact gtttaccct 60
gtgacaaaag cc 72

<210> 20
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
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<400> 20
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gtgacaaaag cc 72

<210> 21
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
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<400> 21
gcgcgcatta tgaataataa gactggagca cgcacacctg cattatccgc attaacgacg 60
atgatgtttt ccgcctcggc tctcgcc 87

<210> 22
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide"

<400> 22
acgcgtatta tgaagatcaa gacaggcgcg cgcacacctg cattatccgc attaacgacg 60
atgatgtttt ccgcctcggc tctcgcc 87

<210> 23
<211> 78
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P5804R1-WO_SL

<400> 23
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gctacaaacg cttacgct 78

<210> 24
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
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oligonucleotide"

<400> 24
gcgcgcatta tgaagaaaaa catcgctttt cttcttgcat tgatgttcgt tttttctatt 60
gctacaaacg cttacgct 78

<210> 25
<211> 78
<212> DNA
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<400> 25
gcgcgcatta tgaagaaaaa catcgctttt cttcttgcac tcatgttcgt tttttctatt 60
gctacaaacg cttacgct 78

<210> 26
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<400> 26
gcgcgcatta tgaagaaaaa catcgctttt cttcttgcaa ttatgttcgt tttttctatt 60
gctacaaacg cttacgct 78

<210> 27
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<400> 27
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gctacaaacg cttcggct 78

<210> 28
<211> 66
<212> DNA
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<400> 28
gcgcgcatta tgaaaaaaat ttggctcgcc ctggctggta ttgttttagc gtttagcgca 60
tcggcg 66

<210> 29
<211> 66
<212> DNA
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<400> 29
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tcggcg 66

<210> 30
<211> 66
<212> DNA
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gcgcgcatta tgaaaaaaat ttggctcgcc ctggctgggt tagttttagc gtttagcgca 60
tacgcg 66

<210> 31
<211> 23
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<213> Artificial Sequence

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peptide"

<400> 31
Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Ala Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
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<210> 32
<211> 23
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<400> 32

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Gln Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
20

<210> 33

<211> 23

<212> PRT

<213> Artificial Sequence

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<400> 33

Met Lys Lys Asn Ile Leu Phe Leu Leu Leu Leu Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
20

<210> 34

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

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<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 34

Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Ala Val Leu Ala Phe Ser
1 5 10 15

Ala Ser Ala

<210> 35
 <211> 19
 <212> PRT
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<220>
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 <223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 35
 Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Gln Val Leu Ala Phe Ser
 1 5 10 15

Ala Ser Ala

<210> 36
 <211> 78
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<220>
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<400> 36
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 gctacaaacg cttacgct 78

<210> 37
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<400> 37

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<210> 38

<211> 78

<212> DNA

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<400> 38

gcgcgcatta tgaagaaaaa catcctcttt cttcttctac taatgttcgt tttttctatt 60

gctacaaacg cttacgct 78

<210> 39

<211> 66

<212> DNA

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<400> 39

gcgcgcatta tgaaaaaaat ttggctcgcc ctggctggtg ctgttttagc gttagcgca 60

tcggcg 66

<210> 40

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

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<400> 40

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gcgcgcatta tgaaaaaaat ttggctcgcc ctggctggtc aggttttagc gtttagcgca 60

tcggcg 66

<210> 41

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

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<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 41

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Tyr Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
20

<210> 42

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

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<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 42

Met Met Thr Lys Ile Lys Leu Leu Met Leu Ile Ile Phe Tyr Leu Ile
1 5 10 15

Ile Ser Ala Ser Ala His Ala
20

<210> 43

<211> 23

<212> PRT

<213> Artificial Sequence

P5804R1-WO_SL

<220>

<221> source

<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 43

Met	Met	Thr	Lys	Ile	Lys	Leu	Leu	Met	Leu	Ile	Ile	Phe	Tyr	Leu	Ile
1				5				10						15	

Ile	Ser	Ala	Ser	Ala	His	Ala
					20	

<210> 44

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

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<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 44

gcgcgcatta	tgaagaaaaa	catcgctttt	cttcttgc	acatgttcgt	tttttctatt	60
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gctacaaacg	cttacgct	78
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<210> 45

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

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<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 45

tctagaatta	tgatgactaa	aatcaagctt	ctaagtctca	ttatatttta	tttaatcatt	60
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tcggccagcg	cccatgct	78
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<210> 46

<211> 78

<212> DNA

<213> Artificial Sequence

<220>

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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 46

tctagaatta tgatgacgaa aatcaagcta ctgatgctca ttatatTTTA tTTaatcatt 60

tcggccagcg cccatgct 78

<210> 47

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 47

Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Leu Val Leu Ala Phe Ser
1 5 10 15

Ala Ser Ala

<210> 48

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 48

Asp Ile Cys Leu Pro Arg Trp Gly Cys Leu Trp
1 5 10

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<210> 49
<211> 19
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<220>
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<400> 49
Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Ile Val Leu Ala Phe Ser
1 5 10 15

Ala Ser Ala

<210> 50
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 50
Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Ser Val Leu Ala Phe Ser
1 5 10 15

Ala Ser Ala

<210> 51
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
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<223> /note="Description of Artificial Sequence: Synthetic peptide"

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<400> 51

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Ser Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
20

<210> 52

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

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<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 52

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Leu Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
20

<210> 53

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 53

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Ile Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
20

<210> 54

P5804R1-WO_SL

<211> 19
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<400> 54
Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Leu Val Leu Ala Phe Ser
1 5 10 15

Ala Ser Ala

<210> 55
<211> 19
<212> PRT
<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 55
Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Ala Val Leu Ala Phe Ser
1 5 10 15

Ala Ser Ala

<210> 56
<211> 19
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<220>
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<400> 56

P5804R1-WO_SL

Met Lys Lys Ile Trp Leu Ala Leu Ala Gly Gln Val Leu Ala Phe Ser
1 5 10 15

Ala Ser Ala

<210> 57
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<400> 57
Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Ser Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
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<210> 58
<211> 23
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peptide"

<400> 58
Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Ala Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
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<210> 59
<211> 23

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<212> PRT

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<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 59

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Gln Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
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<210> 60

<211> 23

<212> PRT

<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 60

Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Tyr Met Phe Val Phe Ser
1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
20

<210> 61

<211> 23

<212> PRT

<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic peptide"

<400> 61

Met Lys Lys Asn Ile Leu Phe Leu Leu Leu Met Phe Val Phe Ser

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1 5 10 15

Ile Ala Thr Asn Ala Tyr Ala
20

<210> 62

<211> 23

<212> PRT

<213> Artificial Sequence

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<223> /note="Description of Artificial Sequence: Synthetic
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<400> 62

Met Met Thr Lys Ile Lys Leu Leu Met Leu Ile Ile Phe Tyr Leu Ile
1 5 10 15

Ile Ser Ala Ser Ala His Ala
20