

eolf-seql (1)
SEQUENCE LISTING

<110> Ascendis Pharma A/S

<120> PTH compounds with low peak-to-trough ratios

<130> CPX70584PC

<160> 122

<170> PatentIn version 3.5

<210> 1

<211> 84

<212> PRT

<213> Homo sapiens

<400> 1

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys
65 70 75 80

Ala Lys Ser Gln

<210> 2

<211> 83

<212> PRT

<213> Artificial Sequence

<220>

<223> Human PTH 1-83

<400> 2

eolf-seql (1)

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys
65 70 75 80

Ala Lys Ser

<210> 3

<211> 82

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-82

<400> 3

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys

eolf-seql (1)

65 70 75 80

eolf-seql (1)

1	5	10	15
Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His	20	25	30
Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser	35	40	45
Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu	50	55	60
Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys	65	70	75
			80

<210> 6
 <211> 79
 <212> PRT
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<220>
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<400> 6

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn	1	5	10	15
Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His	20	25	30	
Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser	35	40	45	
Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu	50	55	60	
Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr	65	70	75	

<210> 7
 <211> 78
 <212> PRT

eolf-seql (1)

<213> Artificial Sequence

<220>

<223> human PTH 1-78

<400> 7

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu
65 70 75

<210> 8

<211> 77

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-77

<400> 8

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

eolf-seql (1)

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val
65 70 75

<210> 9
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<212> PRT
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<220>
<223> human PTH 1-76

<400> 9

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn
65 70 75

<210> 10
<211> 75
<212> PRT
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<220>
<223> human PTH 1-75

<400> 10

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

eolf-seql (1)

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
 50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val
 65 70 75

<210> 11
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 <212> PRT
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<220>
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<400> 11

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
 50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp
 65 70

<210> 12
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<220>
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<400> 12

eolf-seql (1)

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala
65 70

<210> 13

<211> 72

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-72

<400> 13

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys
65 70

<210> 14

eolf-seql (1)

<211> 71
 <212> PRT
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<220>
 <223> human PTH 1-71

<400> 14

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
 50 55 60

Lys Ser Leu Gly Glu Ala Asp
 65 70

<210> 15
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<220>
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<400> 15

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu

eolf-seql (1)
60

50

55

Lys Ser Leu Gly Glu Ala
65 70

<210> 16
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<213> Artificial Sequence

<220>
<223> human PTH 1-69

<400> 16

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu
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<210> 17
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<400> 17

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His

eolf-seql (1)

20

25

30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly
65

<210> 18

<211> 67

<212> PRT

<213> Artificial Sequence

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<223> human PTH 1-67

<400> 18

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu
65

<210> 19

<211> 66

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-66

eolf-seql (1)

<400> 19

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser
65

<210> 20

<211> 65

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-65

<400> 20

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys
65

eolf-seql (1)

<210> 21
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 <213> Artificial Sequence

<220>
 <223> human PTH 1-64

<400> 21

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
 50 55 60

<210> 22
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human PTH 1-63

<400> 22

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His
 50 55 60

eolf-seql (1)

<210> 23
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 <213> Artificial Sequence

<220>
 <223> human PTH 1-62

<400> 23

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser
 50 55 60

<210> 24
 <211> 61
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human PTH 1-61

<400> 24

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu
 50 55 60

eolf-seql (1)

<210> 25
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 <223> human PTH 1-60

<400> 25

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val
 50 55 60

<210> 26
 <211> 59
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 26

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu
 50 55

eolf-seql (1)

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

<220>
 <223> human PTH 1-58

<400> 27

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val
 50 55

<210> 28
 <211> 57
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human PTH 1-57

<400> 28

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn
 50 55

eolf-seql (1)

<210> 29
 <211> 56
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human PTH 1-56

<400> 29

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp
 50 55

<210> 30
 <211> 55
 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 30

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu
 50 55

eolf-seql (1)

<210> 31
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 <212> PRT
 <213> Artificial Sequence

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 <223> human PTH 1-54

<400> 31

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys
 50

<210> 32
 <211> 53
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human PTH 1-53

<400> 32

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys
 50

eolf-seql (1)

<210> 33
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human PTH 1-52

<400> 33

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg
 50

<210> 34
 <211> 51
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human PTH 1-51

<400> 34

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro
 50

eolf-seql (1)

<210> 35
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human PTH 1-50

<400> 35

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg
 50

<210> 36
 <211> 49
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human PTH 1-49

<400> 36

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln

eolf-seql (1)

<210> 37
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human PTH 1-48

<400> 37

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

<210> 38
 <211> 47
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> human PTH 1-47

<400> 38

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly
 35 40 45

<210> 39
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 <212> PRT
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 <223> human PTH 1-46

eolf-seql (1)

<400> 39

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala
35 40 45

<210> 40

<211> 45

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-45

<400> 40

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp
35 40 45

<210> 41

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-44

<400> 41

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His

eolf-seql (1)

20

25

30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg
35 40

<210> 42

<211> 43

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-43

<400> 42

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro
35 40

<210> 43

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-42

<400> 43

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala
35 40

<210> 44

eolf-seql (1)

<211> 41
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 <213> Artificial Sequence

<220>
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<400> 44

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu
		35					40	

<210> 45
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<220>
 <223> human PTH 1-40

<400> 45

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro
		35					40

<210> 46
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 <212> PRT
 <213> Artificial Sequence

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<400> 46

eolf-seql (1)

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala
35

<210> 47

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-38

<400> 47

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly
35

<210> 48

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-37

<400> 48

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

eolf-seql (1)

Asn Phe Val Ala Leu
35

<210> 49
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> human PTH 1-36

<400> 49

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala
35

<210> 50
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> human PTH 1-35

<400> 50

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val
35

<210> 51
<211> 34
<212> PRT

eolf-seql (1)

<213> Artificial Sequence

<220>

<223> human PTH 1-34

<400> 51

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn Phe

<210> 52

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-33

<400> 52

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn

<210> 53

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-32

<400> 53

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

eolf-seql (1)

1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

<210> 54
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> human PTH 1-31

<400> 54

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
20 25 30

<210> 55
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> human PTH 1-30

<400> 55

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp
20 25 30

<210> 56
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> human PTH 1-29

<400> 56

eolf-seql (1)

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln
20 25

<210> 57
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> human PTH 1-28

<400> 57

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu
20 25

<210> 58
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> human PTH 1-27

<400> 58

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys
20 25

<210> 59
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> human PTH 1-26

eolf-seql (1)

<400> 59

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys
		20						25	

<210> 60

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> human PTH 1-25

<400> 60

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg
		20						25

<210> 61

<211> 84

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-84

<220>

<221> MOD_RES

<222> (84)..(84)

<223> AMIDATION

<400> 61

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

eolf-seql (1)

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys
65 70 75 80

Ala Lys Ser Gln

<210> 62

<211> 83

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-83

<220>

<221> MOD_RES

<222> (83)..(83)

<223> AMIDATION

<400> 62

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys
65 70 75 80

eolf-seql (1)

Ala Lys Ser

<210> 63
 <211> 82
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-82

<220>
 <221> MOD_RES
 <222> (82)..(82)
 <223> AMIDATION

<400> 63

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

Gln	Arg	Pro	Arg	Lys	Lys	Glu	Asp	Asn	Val	Leu	Val	Glu	Ser	His	Glu
	50					55					60				

Lys	Ser	Leu	Gly	Glu	Ala	Asp	Lys	Ala	Asp	Val	Asn	Val	Leu	Thr	Lys
65					70					75					80

Ala Lys

<210> 64
 <211> 81
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-81

eolf-seql (1)

<220>

<221> MOD_RES

<222> (81)..(81)

<223> AMIDATION

<400> 64

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys
65 70 75 80

Ala

<210> 65

<211> 80

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-80

<220>

<221> MOD_RES

<222> (80)..(80)

<223> AMIDATION

<400> 65

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

eolf-seql (1)

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys
65 70 75 80

<210> 66

<211> 79

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-79

<220>

<221> MOD_RES

<222> (79)..(79)

<223> AMIDATION

<400> 66

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr
65 70 75

eolf-seql (1)

<210> 67
 <211> 78
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-78

<220>
 <221> MOD_RES
 <222> (78)..(78)
 <223> AMIDATION

<400> 67

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
 50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu
 65 70 75

<210> 68
 <211> 77
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-77

<220>
 <221> MOD_RES
 <222> (77)..(77)
 <223> AMIDATION

<400> 68

eolf-seql (1)

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val
65 70 75

<210> 69
<211> 76
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-76

<220>
<221> MOD_RES
<222> (76)..(76)
<223> AMIDATION

<400> 69

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

eolf-seql (1)

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn
65 70 75

<210> 70
<211> 75
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-75

<220>
<221> MOD_RES
<222> (75)..(75)
<223> AMIDATION

<400> 70

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val
65 70 75

<210> 71
<211> 74
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-74

<220>
<221> MOD_RES

eolf-seql (1)

<222> (74)..(74)

<223> AMIDATION

<400> 71

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

Gln	Arg	Pro	Arg	Lys	Lys	Glu	Asp	Asn	Val	Leu	Val	Glu	Ser	His	Glu
	50					55					60				

Lys	Ser	Leu	Gly	Glu	Ala	Asp	Lys	Ala	Asp
65					70				

<210> 72

<211> 73

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-73

<220>

<221> MOD_RES

<222> (73)..(73)

<223> AMIDATION

<400> 72

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

eolf-seql (1)

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys Ala
65 70

<210> 73
<211> 72
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-72

<220>
<221> MOD_RES
<222> (72)..(72)
<223> AMIDATION

<400> 73

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly Glu Ala Asp Lys
65 70

<210> 74
<211> 71
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-71

eolf-seql (1)

<220>

<221> MOD_RES

<222> (71)..(71)

<223> AMIDATION

<400> 74

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1			5					10					15		

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
		20					25					30			

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

Gln	Arg	Pro	Arg	Lys	Lys	Glu	Asp	Asn	Val	Leu	Val	Glu	Ser	His	Glu
	50					55				60					

Lys	Ser	Leu	Gly	Glu	Ala	Asp
65				70		

<210> 75

<211> 70

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-70

<220>

<221> MOD_RES

<222> (70)..(70)

<223> AMIDATION

<400> 75

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1			5					10					15		

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
		20					25					30			

eolf-seql (1)

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
 50 55 60

Lys Ser Leu Gly Glu Ala
 65 70

<210> 76
 <211> 69
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-69

<220>
 <221> MOD_RES
 <222> (69)..(69)
 <223> AMIDATION

<400> 76

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
 50 55 60

Lys Ser Leu Gly Glu
 65

<210> 77
 <211> 68
 <212> PRT

eolf-seql (1)

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-68

<220>

<221> MOD_RES

<222> (68)..(68)

<223> AMIDATION

<400> 77

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu Gly
65

<210> 78

<211> 67

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-67

<220>

<221> MOD_RES

<222> (67)..(67)

<223> AMIDATION

<400> 78

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

eolf-seql (1)

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser Leu
65

<210> 79
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-66

<220>
<221> MOD_RES
<222> (66)..(66)
<223> AMIDATION

<400> 79

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

Lys Ser
65

eolf-seql (1)

<210> 80
 <211> 65
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-65

<220>
 <221> MOD_RES
 <222> (65)..(65)
 <223> AMIDATION

<400> 80

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

Gln	Arg	Pro	Arg	Lys	Lys	Glu	Asp	Asn	Val	Leu	Val	Glu	Ser	His	Glu
	50					55					60				

Lys
 65

<210> 81
 <211> 64
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-64

<220>
 <221> MOD_RES
 <222> (64)..(64)
 <223> AMIDATION

<400> 81

eolf-seql (1)

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60

<210> 82

<211> 63

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-63

<220>

<221> MOD_RES

<222> (63)..(63)

<223> AMIDATION

<400> 82

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His
50 55 60

<210> 83

<211> 62

<212> PRT

eolf-seql (1)

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-62

<220>

<221> MOD_RES

<222> (62)..(62)

<223> AMIDATION

<400> 83

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

Gln	Arg	Pro	Arg	Lys	Lys	Glu	Asp	Asn	Val	Leu	Val	Glu	Ser
	50					55					60		

<210> 84

<211> 61

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-61

<220>

<221> MOD_RES

<222> (61)..(61)

<223> AMIDATION

<400> 84

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

eolf-seql (1)

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu
 50 55 60

<210> 85
 <211> 60
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-60

<220>
 <221> MOD_RES
 <222> (60)..(60)
 <223> ACETYLATION

<400> 85

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val
 50 55 60

<210> 86
 <211> 59
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-59

<220>
 <221> MOD_RES

eolf-seql (1)

<222> (59)..(59)

<223> AMIDATION

<400> 86

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

Gln	Arg	Pro	Arg	Lys	Lys	Glu	Asp	Asn	Val	Leu
	50					55				

<210> 87

<211> 58

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-58

<220>

<221> MOD_RES

<222> (58)..(58)

<223> AMIDATION

<400> 87

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

Gln	Arg	Pro	Arg	Lys	Lys	Glu	Asp	Asn	Val
	50					55			

eolf-seql (1)

<210> 88
 <211> 57
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-57

<220>
 <221> MOD_RES
 <222> (57)..(57)
 <223> AMIDATION

<400> 88

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp Asn
 50 55

<210> 89
 <211> 56
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-56

<220>
 <221> MOD_RES
 <222> (56)..(56)
 <223> AMIDATION

<400> 89

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

eolf-seql (1)

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu Asp
 50 55

<210> 90
 <211> 55
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-55

<220>
 <221> MOD_RES
 <222> (55)..(55)
 <223> AMIDATION

<400> 90

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

Gln Arg Pro Arg Lys Lys Glu
 50 55

<210> 91
 <211> 54
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-54

eolf-seql (1)

<220>

<221> MOD_RES

<222> (54)..(54)

<223> AMIDATION

<400> 91

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

Gln	Arg	Pro	Arg	Lys	Lys
	50				

<210> 92

<211> 53

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-53

<220>

<221> MOD_RES

<222> (53)..(53)

<223> AMIDATION

<400> 92

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

eolf-seql (1)

Gln Arg Pro Arg Lys
50

<210> 93
<211> 52
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-52

<220>
<221> MOD_RES
<222> (52)..(52)
<223> AMIDATION

<400> 93

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

Gln Arg Pro Arg
50

<210> 94
<211> 51
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-51

<220>
<221> MOD_RES
<222> (51)..(51)
<223> AMIDATION

<400> 94

eolf-seql (1)

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg Pro
50

<210> 95
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-50

<220>
<221> MOD_RES
<222> (50)..(50)
<223> AMIDATION

<400> 95

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45

Gln Arg
50

<210> 96
<211> 49
<212> PRT

eolf-seql (1)

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-49

<220>

<221> MOD_RES

<222> (49)..(49)

<223> AMIDATION

<400> 96

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala	Pro	Arg	Asp	Ala	Gly	Ser
		35					40					45			

Gln

<210> 97

<211> 48

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-48

<220>

<221> MOD_RES

<222> (48)..(48)

<223> AMIDATION

<400> 97

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

eolf-seql (1)

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 35 40 45

<210> 98
 <211> 47
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-47

<220>
 <221> MOD_RES
 <222> (47)..(47)
 <223> AMIDATION

<400> 98

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly
 35 40 45

<210> 99
 <211> 46
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-46

<220>
 <221> MOD_RES
 <222> (46)..(46)
 <223> AMIDATION

<400> 99

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

eolf-seql (1)

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala
 35 40 45

<210> 100
 <211> 45
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-45

<220>
 <221> MOD_RES
 <222> (45)..(45)
 <223> AMIDATION

<400> 100

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp
 35 40 45

<210> 101
 <211> 44
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-44

<220>
 <221> MOD_RES
 <222> (44)..(44)
 <223> AMIDATION

<400> 101

eolf-seql (1)

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg
35 40

<210> 102
<211> 43
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-43

<220>
<221> MOD_RES
<222> (43)..(43)
<223> AMIDATION

<400> 102

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro
35 40

<210> 103
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-42

<220>
<221> MOD_RES

eolf-seql (1)

<222> (42)..(42)

<223> AMIDATION

<400> 103

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu	Ala
		35					40		

<210> 104

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-41

<220>

<221> MOD_RES

<222> (41)..(41)

<223> AMIDATION

<400> 104

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro	Leu
		35					40	

<210> 105

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-40

eolf-seql (1)

<220>

<221> MOD_RES

<222> (40)..(40)

<223> AMIDATION

<400> 105

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1			5					10					15		

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
		20					25					30			

Asn	Phe	Val	Ala	Leu	Gly	Ala	Pro
	35					40	

<210> 106

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-39

<220>

<221> MOD_RES

<222> (39)..(39)

<223> AMIDATION

<400> 106

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1			5					10					15		

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
		20					25					30			

Asn	Phe	Val	Ala	Leu	Gly	Ala
	35					

<210> 107

<211> 38

<212> PRT

eolf-seql (1)

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-38

<220>

<221> MOD_RES

<222> (38)..(38)

<223> AMIDATION

<400> 107

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu	Gly
					35

<210> 108

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-37

<220>

<221> MOD_RES

<222> (37)..(37)

<223> AMIDATION

<400> 108

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala	Leu
				35

eolf-seql (1)

<210> 109
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-36

<220>
 <221> MOD_RES
 <222> (36)..(36)
 <223> AMIDATION

<400> 109

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn	Phe	Val	Ala
			35

<210> 110
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-35

<220>
 <221> MOD_RES
 <222> (35)..(35)
 <223> AMIDATION

<400> 110

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

eolf-seql (1)

Asn Phe Val
35

<210> 111
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-34

<220>
<221> MOD_RES
<222> (34)..(34)
<223> AMIDATION

<400> 111

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu	Gln	Asp	Val	His
			20					25					30		

Asn Phe

<210> 112
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-33

<220>
<221> MOD_RES
<222> (33)..(33)
<223> AMIDATION

<400> 112

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

eolf-seql (1)

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn

<210> 113
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-32

<220>
 <221> MOD_RES
 <222> (32)..(32)
 <223> AMIDATION

<400> 113

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

<210> 114
 <211> 31
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-31

<220>
 <221> MOD_RES
 <222> (31)..(31)
 <223> AMIDATION

<400> 114

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

eolf-seql (1)

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
20 25 30

<210> 115
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-30

<220>
<221> MOD_RES
<222> (30)..(30)
<223> AMIDATION

<400> 115

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp
20 25 30

<210> 116
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> amidated human PTH 1-29

<220>
<221> MOD_RES
<222> (29)..(29)
<223> AMIDATION

<400> 116

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln
20 25

eolf-seql (1)

<210> 117
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-28

<220>
 <221> MOD_RES
 <222> (28)..(28)
 <223> AMIDATION

<400> 117

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys	Leu
			20					25			

<210> 118
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> amidated human PTH 1-27

<220>
 <221> MOD_RES
 <222> (27)..(27)
 <223> AMIDATION

<400> 118

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys	Lys
			20					25		

<210> 119
 <211> 26
 <212> PRT

eolf-seql (1)

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-26

<220>

<221> MOD_RES

<222> (26)..(26)

<223> AMIDATION

<400> 119

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg	Lys
			20					25	

<210> 120

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> amidated human PTH 1-25

<220>

<221> MOD_RES

<222> (25)..(25)

<223> AMIDATION

<400> 120

Ser	Val	Ser	Glu	Ile	Gln	Leu	Met	His	Asn	Leu	Gly	Lys	His	Leu	Asn
1				5					10					15	

Ser	Met	Glu	Arg	Val	Glu	Trp	Leu	Arg
			20					25

<210> 121

<211> 141

<212> PRT

<213> Homo sapiens

<400> 121

eolf-seql (1)

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

Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His
20 25 30

Thr Ala Glu Ile Arg Ala Thr Ser Glu Val Ser Pro Asn Ser Lys Pro
35 40 45

Ser Pro Asn Thr Lys Asn His Pro Val Arg Phe Gly Ser Asp Asp Glu
50 55 60

Gly Arg Tyr Leu Thr Gln Glu Thr Asn Lys Val Glu Thr Tyr Lys Glu
65 70 75 80

Gln Pro Leu Lys Thr Pro Gly Lys Lys Lys Lys Gly Lys Pro Gly Lys
85 90 95

Arg Lys Glu Gln Glu Lys Lys Lys Arg Arg Thr Arg Ser Ala Trp Leu
100 105 110

Asp Ser Gly Val Thr Gly Ser Gly Leu Glu Gly Asp His Leu Ser Asp
115 120 125

Thr Ser Thr Thr Ser Leu Glu Leu Asp Ser Arg Arg His
130 135 140

<210> 122
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial random coil

<400> 122

Gly Gly Pro Gly Gly Pro Gly Pro Gly Gly Pro Gly Gly Pro Gly Pro
1 5 10 15

Gly Gly Pro Gly
20

eolf-seql (1)