SEQUENCE LISTING

<110> Prickett, Kathryn S
Young, Andrew A

<120> MODIFIED EXENDINS AND EXENDIN AGONISTS

<130> 030639.0028.UTL(253/204)

<140> 09/561,226
<141> 2000-04-28

<150> 60/132,018
<151> 1999-04-30

<160> 240

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1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro Ser
35

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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
20 25 30

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1 5 10 15
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20 25 30

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1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro Ser
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<223> Xaa stands for Pgly

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<223> Ser in position 18 is amidated

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Pro Ser

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<400> 16
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Pro Ser

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Xaa Ser

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Xaa Ser

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1 5 10 15
Xaa Ser

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1 5 10 15
Xaa Ser

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1 5 10 15
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20 25 30

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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

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Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

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1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
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Glu Ala Val Arg Ala Phe Ile Glu Phe Leu Lys Asn
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Glu Ala Val Arg Leu Phe Ile Glu Phe Ala Lys Asn
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20 25

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            20   25

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<400> 49
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 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro
        35

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 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro
        35

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<400> 51
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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro
35

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<400> 52
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Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro
35

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<400> 53
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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro
35

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Ser Gly Ala Pro
35

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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala
35

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<400> 56
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1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala

35

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Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly

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

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<222> 33
<223> Ser in position 33 is amidated

<400> 59
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser

20 25 30
Ser

<210> 60
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 33
<223> Ser in position 33 is amidated

<400> 60
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser

<210> 61
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 32
<223> Ser in position 32 is amidated

<400> 61
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

<210> 62
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 32
<223> Ser in position 32 is amidated

<400> 62
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15

```
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
            20                  25                  30

<210> 63
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 31
<223> Pro in position 31 is amidated

<400> 63
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro
            20                  25                  30

<210> 64
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 31
<223> Pro in position 31 is amidated

<400> 64
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro
            20                  25                  30

<210> 65
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 30
<223> Gly in position 30 is amidated

<400> 65
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly
            20                  25                  30

<210> 66
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<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 29
<223> Gly in position 29 is amidated

<400> 66
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly
20 25

<210> 67
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 29
<223> Gly in position 29 is amidated

<400> 67
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly
20 25

<210> 68
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 31, 36-38
<223> Xaa in positions 31, 36-38 is tPro

<220>
<221> AMIDATION
<222> 38
<223> tPro in postion 38 is amidated

<400> 68
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Xaa Ser
20 25 30
Ser Gly Ala Xaa Xaa Xaa

35

<210> 69
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> (36)...(38)
<223> Xaa in positions 36-38 is tPro

<220>
<221> AMIDATION
<222> 38
<223> tPro in position 38 is amidated

<400> 69
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Xaa Xaa Xaa
35

<210> 70
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 31
<223> Xaa in position 31 stands for Nme

<220>
<221> AMIDATION
<222> 37
<223> Pro in position 37 is amidated

<400> 70
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Xaa Ser
20 25 30
Ser Gly Ala Pro Pro
35

<210> 71
<211> 37
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 31, 36-37
<223> Xaa in position 31, 36-37 is Nme

<220>
<221> AMIDATION
<222> 37
<223> Nme in position 37 is amidated

<400> 71
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Xaa Ser
            20   25   30
Ser Gly Ala Xaa Xaa
        35

<210> 72
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 31, 36-37
<223> Xaa in positions 31, 36-37 stands for hPro

<220>
<221> AMIDATION
<222> 37
<223> hPro in position 37 is amidated

<400> 72
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Xaa Ser
            20   25   30
Ser Gly Ala Xaa Xaa
        35

<210> 73
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 31, 36
<223> Xaa in positions 31 and 36 stands for hPro

<220>

<221> AMIDATION
<222> 36
<223> hPro in position 36 is amidated

<400> 73
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Xaa Ser
            20   25   30
Ser Gly Ala Xaa
        35

<210> 74
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 35
<223> Ala in position 35 is amidated

<400> 74
Arg Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala
        35

<210> 75
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 30
<223> Gly in position 30 is amidated

<400> 75
His Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
            20   25   30

<210> 76
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>

<221> VARIANT
<222> 6
<223> Xaa in position 6 stands for naph

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 76
His Gly Glu Gly Thr Xaa Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 77
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 77
His Gly Glu Gly Thr Phe Ser Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 78
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 78
His Gly Glu Gly Thr Phe Ser Thr Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 79
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 79
His Gly Glu Gly Thr Phe Thr Ser Glu Leu Ser Lys Gln Met Ala Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 80
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 10
<223> Xaa in position 10 stands for pGly

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 80
His Gly Glu Gly Thr Phe Thr Ser Asp Xaa Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 81
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 22
<223> Xaa in position 22 stands for naph

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 81
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Xaa Ile Glu Phe Leu Lys Asn
20 25

<210> 82
<211> 28

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 23
<223> Xaa in position 23 stands for tBug

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 82
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Xaa Glu Trp Leu Lys Asn
20 25

<210> 83
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 83
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Asp Phe Leu Lys Asn
20 25

<210> 84
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 33
<223> Ser in position 33 is amidated

<400> 84
His Gly Glu Gly Thr Phe Thr Ser Asp Ala Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser

<210> 85
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 29
<223> Gly in position 29 is amidated

<400> 85
His Gly Glu Gly Thr Phe Thr Ser Asp Ala Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly
            20   25

<210> 86
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> 31, 36-37
<223> Xaa in positions 31, 36-37 stands for hPro

<220>
<221> AMIDATION
<222> 37
<223> hPro in position 37 is amidated

<400> 86
His Gly Glu Gly Thr Phe Thr Ser Asp Ala Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Xaa Ser
            20   25   30
Ser Gly Ala Xaa Xaa
        35

<210> 87
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
      4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 27
<223> Asn in position 27 is amidated

<400> 87
Xaa Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu Glu
 1   5   10   15
Ala Val Arg Leu Phe Ile Glu Trp Leu Xaa Asn
            20   25

<210> 88
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
      4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 27
<223> Asn in position 27 is amidated

<400> 88
Xaa Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu Glu
 1   5   10   15
Ala Val Arg Leu Phe Ile Glu Phe Leu Xaa Asn
            20   25

<210> 89
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
      4-Imidazolylpropionyl-Gly

<220>

<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 29
<223> Gly in position 29 is amidated

<400> 89
Xaa Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu Glu
 1   5   10   15
Ala Val Arg Leu Phe Ile Glu Trp Leu Xaa Asn Gly Gly
            20   25

<210> 90
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
      4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 29
<223> Gly in position 29 is amidated

<400> 90
Xaa Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu Glu
 1   5   10   15
Ala Val Arg Leu Phe Ile Glu Phe Leu Xaa Asn Gly Gly
            20   25

<210> 91
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
      4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT

<222> 27
<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 27
<223> Lys-NH(epsilon) octanoyl in position 27 is amidated

<400> 91
Xaa Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu Glu
 1   5   10   15
Ala Val Arg Leu Phe Ile Glu Trp Leu Asn Xaa
            20   25

<210> 92
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
      4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 27
<223> Lys-NH(epsilon) octanoyl in position 27 is amidated

<400> 92
Xaa Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu Glu
 1   5   10   15
Ala Val Arg Leu Phe Ile Glu Phe Leu Asn Xaa
            20   25

<210> 93
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
      4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 27

<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 29
<223> Gly in position 29 is amidated

<400> 93
Xaa Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu Glu
1 5 10 15
Ala Val Arg Leu Phe Ile Glu Trp Leu Asn Xaa Gly Gly
20 25

<210> 94
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 29
<223> Gly in postion 29 is amidated

<400> 94
Xaa Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu Glu
1 5 10 15
Ala Val Arg Leu Phe Ile Glu Phe Leu Asn Xaa Gly Gly
20 25

<210> 95
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 95
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 96
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 96
His Gly Ala Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 97
<211> 28
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<220>
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<220>
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<222> 28
<223> Asn in position 28 is amidated

<400> 97
His Gly Glu Ala Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 98
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 98
His Gly Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 99
<211> 28
<212> PRT

<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 99
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20   25

<210> 100
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 100
His Gly Ala Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20   25

<210> 101
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 101
His Gly Glu Ala Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20   25

<210> 102
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 102
His Gly Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20   25

<210> 103
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 103
His Gly Glu Gly Thr Phe Thr Ser Asp Ala Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20   25

<210> 104
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 104
Ala Ala Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20   25

<210> 105
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28

<223> Asn in position 28 is amidated

<400> 105
Ala Ala Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 106
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 106
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 107
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 107
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 108
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 108
Ala Gly Asp Gly Ala Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu

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 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20                  25

<210> 109
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 109
Ala Gly Asp Gly Ala Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
            20                  25

<210> 110
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 6
<223> Xaa in position 6 stands for Nala

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 110
Ala Gly Asp Gly Thr Xaa Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20                  25

<210> 111
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> 6
<223> Xaa in position 6 stands for Nala

<220>
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<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 111
Ala Gly Asp Gly Thr Xaa Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 112
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 112
Ala Gly Asp Gly Thr Phe Ser Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 113
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 113
Ala Gly Asp Gly Thr Phe Ser Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 114
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 114
Ala Gly Asp Gly Thr Phe Thr Ala Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20   25

<210> 115
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 115
Ala Gly Asp Gly Thr Phe Thr Ala Asp Leu Ser Lys Gln Leu Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
            20   25

<210> 116
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 116
Ala Gly Asp Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20   25

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

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 117
Ala Gly Asp Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Leu Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn

20 25

<210> 118
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 118
Ala Gly Asp Gly Thr Phe Thr Ser Glu Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 119
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 119
Ala Gly Asp Gly Thr Phe Thr Ser Glu Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 120
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 120
Ala Gly Asp Gly Thr Phe Thr Ser Asp Ala Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 121
<211> 28

<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 121
Ala Gly Asp Gly Thr Phe Thr Ser Asp Ala Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 122
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> 10
<223> Xaa in position 10 stands for Pgly

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 122
Ala Gly Asp Gly Thr Phe Thr Ser Asp Xaa Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 123
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> 10
<223> Xaa in position 10 stands for Pgly

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 123
Ala Gly Asp Gly Thr Phe Thr Ser Asp Xaa Ser Lys Gln Leu Glu Glu

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 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
            20                  25

<210> 124
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 124
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ala Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20                  25

<210> 125
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 125
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ala Lys Gln Leu Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
            20                  25

<210> 126
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 126
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Ala Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20                  25
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<210> 127
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 127
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Ala Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 128
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 128
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Ala Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 129
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 129
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Ala Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 130
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 130
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Ala Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20   25

<210> 131
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 131
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Ala Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
            20   25

<210> 132
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> 14
<223> Xaa in position 14 stands for pGly

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 132
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Xaa Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
            20   25

<210> 133
<211> 28

<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> 14
<223> Xaa in position 14 stands for pGly

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 133
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Xaa Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 134
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 134
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Ala Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 135
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 135
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Ala Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 136

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

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 136
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Ala
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 137
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 137
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Ala
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 138
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 138
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Ala Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 139
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 139
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Ala Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 140
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 140
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Ala Arg Leu Phe Ile Glu Trp Leu Lys Asn
20 25

<210> 141
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 141
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Ala Arg Leu Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 142
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>

<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 142
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Ala Leu Phe Ile Glu Trp Leu Lys Asn
            20   25

<210> 143
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 143
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1   5   10   15
Glu Ala Val Ala Leu Phe Ile Glu Phe Leu Lys Asn
            20   25

<210> 144
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 144
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Ala Phe Ile Glu Trp Leu Lys Asn
            20   25

<210> 145
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 145
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Ala Phe Ile Glu Phe Leu Lys Asn
20 25

<210> 146
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 22
<223> Xaa in position 22 stands for Nala

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 146
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Xaa Ile Glu Trp Leu Lys Asn
20 25

<210> 147
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 22
<223> Xaa in position 22 stands for Nala

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 147
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Xaa Ile Glu Phe Leu Lys Asn
20 25

<210> 148
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 148
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Val Glu Trp Leu Lys Asn
            20   25

<210> 149
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 149
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Val Glu Phe Leu Lys Asn
            20   25

<210> 150
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> VARIANT
<222> 23
<223> Xaa in position 23 stands for tGly

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 150
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Xaa Glu Trp Leu Lys Asn
            20   25

<210> 151
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 23
<223> Xaa in position 23 stands for tGly

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 151
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Xaa Glu Phe Leu Lys Asn
            20   25

<210> 152
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 152
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Asp Trp Leu Lys Asn
            20   25

<210> 153
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 153
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Asp Phe Leu Lys Asn
            20   25

<210> 154
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 154
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Ala Leu Lys Asn
20 25

<210> 155
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 155
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Ala Leu Lys Asn
20 25

<210> 156
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 156
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Ala Lys Asn
20 25

<210> 157
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>

<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 157
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Phe Ala Lys Asn
            20   25

<210> 158
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 158
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Ala Asn
            20   25

<210> 159
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 159
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Ala Asn
            20   25

<210> 160
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Ala in position 28 is amidated

<400> 160
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Ala
20 25

<210> 161
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 28
<223> Ala in position 28 is amidated

<400> 161
Ala Gly Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Ala
20 25

<210> 162
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 38
<223> Pro in position 38 is amidated

<400> 162
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro
35

<210> 163
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 38
<223> Pro in position 38 is amidated

<400> 163
His Gly Ala Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu

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 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro Pro
        35
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<210> 164
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 37
<223> Pro in position 37 is amidated

<400> 164

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His Gly Glu Ala Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro
        35
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<210> 165
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 36
<223> Pro in position 36 is amidated

<400> 165

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His Gly Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Pro
        35
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<210> 166
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 36
<223> Pro in position 36 is amidated

<400> 166
Ala Gly Glu Gly Thr Phe Thr Ser Asp Ala Ser Lys Gln Leu Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro
        35

<210> 167
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 35
<223> Ala in position 35 is amidated

<400> 167
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala
        35

<210> 168
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 35
<223> Ala in position 35 is amidated

<400> 168
His Gly Ala Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala
        35

<210> 169
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 34

<223> Gly in position 34 is amidated

<400> 169
His Gly Glu Ala Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly

<210> 170
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 33
<223> Ser in position 33 is amidated

<400> 170
His Gly Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser

<210> 171
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 32
<223> Ser in position 32 is amidated

<400> 171
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

<210> 172
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 32

<223> Ser in position 32 is amidated

<400> 172
His Gly Ala Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
20 25 30

<210> 173
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 31
<223> Pro in position 31 is amidated

<400> 173
His Gly Glu Ala Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro
20 25 30

<210> 174
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 30
<223> Gly in position 30 is amidated

<400> 174
His Gly Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly
20 25 30

<210> 175
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 29
<223> Gly in position 29 is amidated

<400> 175
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu

```
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly
            20                  25
```

<210> 176
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 31, 36-38
<223> Xaa in positions 31, 36-38 stands for tPro

<220>
<221> AMIDATION
<222> 38
<223> tPro in position 38 is amidated

<400> 176

```
His Gly Ala Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Xaa Ser
            20                  25                  30
Ser Gly Ala Xaa Xaa Xaa
        35
```

<210> 177
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 36-38
<223> Xaa in positions 36-38 stands for tPro

<220>
<221> AMIDATION
<222> 38
<223> tPro in position 38 is amidated

<400> 177

```
His Gly Glu Ala Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Xaa Xaa Xaa
        35
```

<210> 178
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 31, 36-37
<223> Xaa in positions 31, 36-37 stands for Nme

<220>
<221> AMIDATION
<222> 37
<223> Nme in position 37 is amidated

<400> 178
His Gly Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Xaa Ser
            20   25   30
Ser Gly Ala Xaa Xaa
        35

<210> 179
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 31, 36
<223> Xaa in position 31 and 36 stands for hPro

<220>
<221> AMIDATION
<222> 36
<223> hPro in position 36 is amidated

<400> 179
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Xaa Ser
            20   25   30
Ser Gly Ala Xaa
        35

<210> 180
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 35
<223> Ala in position 35 is amidated

<400> 180

```
His Gly Ala Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala
        35

<210> 181
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 30
<223> Gly in position 30 is amidated

<400> 181
His Gly Asp Ala Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly
            20                  25                  30

<210> 182
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 182
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 183
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 183
```

Ala Gly Ala Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro Ser
35

<210> 184
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 27
<223> Asn in position 27 is amidated

<400> 184
Xaa Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Met Glu Glu Glu
1 5 10 15
Ala Val Arg Leu Phe Ile Glu Trp Leu Xaa Asn
20 25

<210> 185
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 27
<223> Asn in position 27 is amidated

<400> 185
Xaa Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Leu Glu Glu Glu
 1   5   10   15
Ala Val Arg Leu Phe Ile Glu Phe Leu Xaa Asn
            20   25

<210> 186
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
      4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 29
<223> Gly in position 29 is amidated

<400> 186
Xaa Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Met Glu Glu Glu
 1   5   10   15
Ala Val Arg Leu Phe Ile Glu Trp Leu Xaa Asn Gly Gly
            20   25

<210> 187
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
      4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 29
<223> Gly in position 29 is amidated

<400> 187
Xaa Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Leu Glu Glu Glu
1 5 10 15
Ala Val Arg Leu Phe Ile Glu Phe Leu Xaa Asn Gly Gly
20 25

<210> 188
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 27
<223> Lys-NH(epsilon) octanoyl in position 27 is amidated

<400> 188
Xaa Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Met Glu Glu Glu
1 5 10 15
Ala Val Arg Leu Phe Ile Glu Trp Leu Asn Xaa
20 25

<210> 189
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 27
<223> Lys-NH(epsilon) octanoyl

<400> 189

Xaa Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Leu Glu Glu Glu
1 5 10 15
Ala Val Arg Leu Phe Ile Glu Phe Leu Asn Xaa
20 25

<210> 190
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in positon 1 stands for
4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 29
<223> Gly in position 29 is amidated

<400> 190
Xaa Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Met Glu Glu Glu
1 5 10 15
Ala Val Arg Leu Phe Ile Glu Trp Leu Asn Xaa Gly Gly
20 25

<210> 191
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for
4-Imidazolylpropionyl-Gly

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 29
<223> Gly in position 29 is amidated

<400> 191
Xaa Glu Gly Thr Phe Thr Ser Ala Leu Ser Lys Gln Leu Glu Glu Glu

```
 1               5                  10                  15
Ala Val Arg Leu Phe Ile Glu Phe Leu Asn Xaa Gly Gly
            20                  25

<210> 192
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 192
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Xaa Asn
            20                  25

<210> 193
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 28
<223> Asn in position 28 is amidated

<400> 193
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Xaa Asn
            20                  25

<210> 194
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
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<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 30
<223> Gly in position 30 is amidated

<400> 194
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Xaa Asn Gly Gly
20 25 30

<210> 195
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 30
<223> Gly in position 30 is amidated

<400> 195
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Xaa Asn Gly Gly
20 25 30

<210> 196
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 28
<223> Xaa in position 28 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 28
<223> Lys-NH(epsilon) octanoyl in position 28 is amidated

<400> 196
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Asn Xaa

20 25

<210> 197
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 28
<223> Xaa in position 28 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 28
<223> Lys-NH(epsilon) octanoyl in position 28 is amidated

<400> 197
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Asn Xaa
20 25

<210> 198
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 28
<223> Xaa in position 28 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 30
<223> Gly in position 30 is amidated

<400> 198
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Asn Xaa Gly Gly
20 25 30

<210> 199
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 28

<223> Xaa in position 28 stands for Lys-NH(epsilon) octanoyl

<220>
<221> AMIDATION
<222> 30
<223> Gly in position 30 is amidated

<400> 199
Ala Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Leu Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Phe Leu Asn Xaa Gly Gly
            20   25   30

<210> 200
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for His, Arg or Tyr

<220>
<221> VARIANT
<222> 2
<223> Xaa in position 2 stands for Ser, Gly, Ala or Thr

<220>
<221> VARIANT
<222> 3
<223> Xaa in position 3 stands for Asp or Glu

<220>
<221> VARIANT
<222> 5
<223> Xaa in position 5 stands for Ala or Thr

<220>
<221> VARIANT
<222> 6
<223> Xaa in position 6 stands for Ala, Phe, Tyr or
naphthylalanine

<220>
<221> VARIANT
<222> 7
<223> Xaa in position 7 stands for Thr or Ser

<220>
<221> VARIANT
<222> 8
<223> Xaa in position 8 stands for Ala, Ser or Thr

<220>
<221> VARIANT
<222> 9
<223> Xaa in position 9 stands for Asp or Glu

<220>
<221> VARIANT
<222> 10
<223> Xaa in position 10 stands for Ala, Leu, Ile, Val,
pentylglycine or Met

<220>
<221> VARIANT
<222> 11
<223> Xaa in position 11 stands for Ala or Ser

<220>
<221> VARIANT
<222> 12
<223> Xaa in position 12 stands for Ala or Lys

<220>
<221> VARIANT
<222> 13
<223> Xaa in position 13 stands for Ala or Gln

<220>
<221> VARIANT
<222> 14
<223> Xaa in position 14 stands for Ala, Leu, Ile,
pentylglycine, Val or Met

<220>
<221> VARIANT
<222> (15)...(17)
<223> Xaa in positions 15-17 stands for Ala or Glu

<220>
<221> VARIANT
<222> 19
<223> Xaa in position 19 stands for Ala or Val

<220>
<221> VARIANT
<222> 20
<223> Xaa in position 20 stands for Ala or Arg

<220>
<221> VARIANT
<222> 21
<223> Xaa in position 21 stands for Ala or Leu

<220>
<221> VARIANT
<222> 22
<223> Xaa in position 22 stands for Ala, Phe, Tyr
or naphthylalanine

<220>
<221> VARIANT
<222> 23
<223> Xaa in position 23 stands for Ile, Val, Leu,
pentylglycine, tert-butylglycine or Met

<220>

<221> VARIANT
<222> 24
<223> Xaa in position stands for Ala, Trp, Phe, Tyr
or naphthylalanine

<220>
<221> VARIANT
<222> 25
<223> Xaa in position stands for Ala, Trp Phe Tyr
or naphthylalanine

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Ala or Leu

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Ala or Lys

<220>
<221> VARIANT
<222> 28
<223> Xaa in position 28 stands for Ala or Asn and
is optionally amidated

<400> 200
Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25

<210> 201
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 1
<223> Amidation, Gly at position 1 is optionally
amidated in the case that residues in positions
2-10 are absent

<220>
<221> MOD_RES
<222> 2
<223> Amidation, Gly at position 2 is optionally
amidated in the case that residues in position
3-10 are absent

<220>
<221> MOD_RES
<222> 3
<223> Xaa is selected from Pro, homoproline, 3Hyp, 4Hyp,
thioproline, N-alkylglycine, N-alkylpentylglycine
or N-alkylalanine and optionally amidated in

the case that residues in positions 4-10 are absent

<220>
<221> MOD_RES
<222> 4
<223> Amidation, Ser at position 4 is optionally amidated in the case that residues in positions 5-10 are absent

<220>
<221> MOD_RES
<222> 5
<223> Amidation, Ser at position 5 is optionally amidated in the case that residues in positions 6-10 are absent

<220>
<221> MOD_RES
<222> 6
<223> Amidation, Gly at position 6 is optionally amidated in the case that residues in positions 7-10 are absent

<220>
<221> MOD_RES
<222> 7
<223> Amidation, Ala at position 7 is optionally amidated in the case that residues in positions 8-10 are absent

<220>
<221> MOD_RES
<222> 8
<223> Xaa is selected from Pro, homoproline, 3Hyp, 4Hyp, thioproline, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine and is optionally amidated in the case that residues in positions 9-10 are absent

<220>
<221> MOD_RES
<222> 9
<223> Xaa is selected from Pro, homoproline, 3Hyp, 4Hyp, thioproline, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine and is optionally amidated in the case that residues in position 10 are absent

<220>
<221> MOD_RES
<222> 10
<223> Xaa is selected from Pro, homoproline, 3Hyp, 4Hyp, thioproline, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine and is optionally amidated

<400> 201
Gly Gly Xaa Ser Ser Gly Ala Xaa Xaa Xaa
1 5 10

<210> 202
<211> 28
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for His, Arg, Tyr, Ala, Norval, Val or Norleu

<220>
<221> VARIANT
<222> 2
<223> Xaa in position 2 stands for Ser, Gly, Ala or Thr

<220>
<221> VARIANT
<222> 3
<223> Xaa in position 3 stands for Ala, Asp or Glu

<220>
<221> VARIANT
<222> 4
<223> Xaa in position 4 stands for Ala, Norval, Val, Norleu or Gly

<220>
<221> VARIANT
<222> 5
<223> Xaa in position 5 stands for Ala or Thr

<220>
<221> VARIANT
<222> 6
<223> Xaa in position 6 stands for Phe, Tyr or naphthylalanine

<220>
<221> VARIANT
<222> 7
<223> Xaa in position 7 stands for Thr or Ser

<220>
<221> VARIANT
<222> 8
<223> Xaa in position 8 stands for Ala, Ser or Thr

<220>
<221> VARIANT
<222> 9
<223> Xaa in position 9 stands for Ala, Norval, Val Norleu, Asp or Glu

<220>
<221> VARIANT
<222> 10
<223> Xaa in position 10 stands for Ala, Leu Ile, Val, pentylglycine or Met

<220>

<221> VARIANT
<222> 11
<223> Xaa in position 11 stands for Ala or Ser

<220>
<221> VARIANT
<222> 12
<223> Xaa in position 12 stands for Ala or Lys

<220>
<221> VARIANT
<222> 13
<223> Xaa in position 13 stands for Ala or Gln

<220>
<221> VARIANT
<222> 14
<223> Xaa in position 14 stands for Ala, Leu, Ile, pentylglycine, Val or Met

<220>
<221> VARIANT
<222> (15)...(17)
<223> Xaa in positions 15-17 stands for Ala or Glu

<220>
<221> VARIANT
<222> 19
<223> Xaa in position 19 stands for Ala or Val

<220>
<221> VARIANT
<222> 20
<223> Xaa in position 20 stands for Ala or Arg

<220>
<221> VARIANT
<222> 21
<223> Xaa in position 21 stands for Ala or Leu

<220>
<221> VARIANT
<222> 22
<223> Xaa in position 22 stands for Phe, Tyr or naphthylalanine

<220>
<221> VARIANT
<222> 23
<223> Xaa in position 23 stands for Ile, Val, Leu, pentylglycine, tert-butylglycine or Met

<220>
<221> VARIANT
<222> 24
<223> Xaa in position 24 stands for Ala, Glu or Asp

<220>
<221> VARIANT
<222> 25

<223> Xaa in position 25 stands for Ala, Trp, Phe, Tyr or
naphthylalanine

<220>
<221> VARIANT

<221> MOD_RES
<222> 5
<223> Amidation, Ser at position 5 is optional and optionally amidated in the case that residues in positions 6-11 are absent

<220>
<221> MOD_RES
<222> 6
<223> Amidation, Gly at position 6 is optional and optionally amidated in the case that residues in positions 7-11 are absent

<220>
<221> MOD_RES
<222> 7
<223> Amidation, Ala at position 7 is optional and optionally amidated in the case that residues in positions 8-11 are absent

<220>
<221> MOD_RES
<222> 8
<223> Xaa is selected from Pro, homoproline, 3Hyp, 4Hyp, thioproline, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine and is optionally amidated in the case that residues in positions 9-11 are absent

<220>
<221> MOD_RES
<222> 9
<223> Xaa is selected from Pro, homoproline, 3Hyp, 4Hyp, thioproline, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine and is optionally amidated in the case that residues in positions 10-11 are absent

<220>
<221> MOD_RES
<222> 10
<223> Xaa is selected from Pro, homoproline, 3Hyp, 4Hyp, thioproline, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine and is optionally amidated in the case that residues in position 11 are absent

<220>
<221> MOD_RES
<222> 11
<223> Xaa is selected from Pro, homoproline, 3Hyp, 4Hyp, thioproline, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine and is optionally amidated

<400> 203
Gly Gly Xaa Ser Ser Gly Ala Xaa Xaa Xaa Xaa
1 5 10

<210> 204
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for His or Arg

<220>
<221> VARIANT
<222> 2
<223> Xaa in position 2 stands for Gly or Ala

<220>
<221> VARIANT
<222> 3
<223> Xaa in position 3 stands for Asp or Glu

<220>
<221> VARIANT
<222> 5
<223> Xaa in position 5 stands for Ala or Thr

<220>
<221> VARIANT
<222> 6
<223> Xaa in position 6 stands for Ala, Phe or naphthylalanine

<220>
<221> VARIANT
<222> 7
<223> Xaa in position 7 stands for Thr or Ser

<220>
<221> VARIANT
<222> 8
<223> Xaa in position 8 stands for Ala, Ser or Thr

<220>
<221> VARIANT
<222> 9
<223> Xaa in position 9 stands for Asp or Glu

<220>
<221> VARIANT
<222> 10
<223> Xaa in position 10 stands for Ala, Leu or pentylglycine

<220>
<221> VARIANT
<222> 11
<223> Xaa in position 11 stands for Ala or Ser

<220>
<221> VARIANT
<222> 12
<223> Xaa in position 12 stands for Ala or Lys

<220>
<221> VARIANT
<222> 13
<223> Xaa in position 13 stands for Ala or Gln

<220>
<221> VARIANT
<222> 14
<223> Xaa in position 14 stands for Ala, Leu or
pentylglycine

<220>
<221> VARIANT
<222> (15)...(17)
<223> Xaa in positions 15-17 stands for Ala or Glu

<220>
<221> VARIANT
<222> 19
<223> Xaa in position 19 stands for Ala or Val

<220>
<221> VARIANT
<222> 20
<223> Xaa in position 20 stands for Ala or Arg

<220>
<221> VARIANT
<222> 21
<223> Xaa in position 21 stands for Ala or Leu

<220>
<221> VARIANT
<222> 22
<223> Xaa in position 22 stands for Phe or
naphthylalanine

<220>
<221> VARIANT
<222> 23
<223> Xaa in position 23 stands for Ile, Val or
tert-butylglycine

<220>
<221> VARIANT
<222> 24
<223> Xaa in position 24 stands for Ala, Glu or Asp

<220>
<221> VARIANT
<222> 25
<223> Xaa in position 25 stands for Ala, Trp, or Phe

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Ala or Leu

<220>
<221> VARIANT
<222> 27

<223> Xaa in position 27 stands for Ala or Lys

<220>
<221> VARIANT
<222> 28
<223> Xaa in position 28 stands for Ala or Asn and is optionally amidated

<400> 204
Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15
Xaa Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25

<210> 205
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for His or Ala

<220>
<221> VARIANT
<222> 2
<223> Xaa in position 2 stands for Gly or Ala

<220>
<221> VARIANT
<222> 3
<223> Xaa in position 3 stands for Ala, Asp or Glu

<220>
<221> VARIANT
<222> 4
<223> Xaa in position 4 stands for Ala or Gly

<220>
<221> VARIANT
<222> 5
<223> Xaa in position 5 stands for Ala or Thr

<220>
<221> VARIANT
<222> 6
<223> Xaa in position 6 stands for Phe or naphthylalanine

<220>
<221> VARIANT
<222> 7
<223> Xaa in position 7 stands for Thr or Ser

<220>
<221> VARIANT

<222> 8
<223> Xaa in position 8 stands for Ala, Ser or Thr

<220>
<221> VARIANT
<222> 9
<223> Xaa in position 9 stands for Ala, Asp or Glu

<220>
<221> VARIANT
<222> 10
<223> Xaa in position 10 stands for Ala, Leu or
pentylglycine

<220>
<221> VARIANT
<222> 11
<223> Xaa in position 11 stands for Ala or Ser

<220>
<221> VARIANT
<222> 12
<223> Xaa in position 12 stands for Ala or Lys

<220>
<221> VARIANT
<222> 13
<223> Xaa in position 13 stands for Ala or Gln

<220>
<221> VARIANT
<222> 14
<223> Xaa in position 14 stands for Ala, Leu, Met or
pentylglycine

<220>
<221> VARIANT
<222> (15)...(17)
<223> Xaa in positions 15-17 stands for Ala or Glu

<220>
<221> VARIANT
<222> 19
<223> Xaa in position 19 stands for Ala or Val

<220>
<221> VARIANT
<222> 20
<223> Xaa in position 20 stands for Ala or Arg

<220>
<221> VARIANT
<222> 21
<223> Xaa in position 21 stands for Ala or Leu

<220>
<221> VARIANT
<222> 22
<223> Xaa in position 22 stands for Phe or naphthylalanine

<220>

<221> VARIANT
<222> 23
<223> Xaa in position 23 stands for Ile, Val or tert-butylglycine

<220>
<221> VARIANT
<222> 24
<223> Xaa in position 24 stands for Ala, Glu or Asp

<220>
<221> VARIANT
<222> 25
<223> Xaa in position 25 stands for Ala, Trp or Phe

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Ala or Leu

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Ala or Lys

<220>
<221> VARIANT
<222> 28
<223> Xaa in position 28 stands for Ala or Asn which is optionally amidated

<400> 205
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1   5   10   15
Xaa Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
            20   25

<210> 206
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 1
<223> Amidation, Gly at position 1 is optional and optionally amidated in the case that residues in positions 2-11 are absent

<220>
<221> MOD_RES
<222> 2
<223> Amidation, Gly at position 2 is optional and optionally amidated in the case that residues in positions 3-11 are absent

<220>
<221> MOD_RES
<222> 3

<223> Xaa is selected from Pro, homoproline, thioproline or N-methylylalanine and is optionally amidated in the case that residues in position 4-11 are absent

<220>
<221> MOD_RES
<222> 4
<223> Amidation, Ser at position 4 is optional and optionally amidated in the case that residues in positions 5-11 are absent

<220>
<221> MOD_RES
<222> 5
<223> Amidation, Ser at position 5 is optional and optionally amidated in the case that residues in positions 6-11 are absent

<220>
<221> MOD_RES
<222> 6
<223> Amidation, Gly at position 6 is optional and optionally amidated in the case that residues in positions 7-11 are absent

<220>
<221> MOD_RES
<222> 7
<223> Amidation, Ala at position 7 is optional and optionally amidated in the case that residues in positions 8-11 are absent

<220>
<221> MOD_RES
<222> 8
<223> Xaa is selected from Pro, homoproline, thioproline or N-methylylalanine and is optionally amidated in the case that residues in position 9-11 are absent

<220>
<221> MOD_RES
<222> 9
<223> Xaa is selected from Pro, homoproline, thioproline or N-methylylalanine and is optionally amidated in the case that residues in position 10-11 are absent

<220>
<221> MOD_RES
<222> 10
<223> Xaa is selected from Pro, homoproline, thioproline or N-methylylalanine and is optionally amidated in the case that residues in position 10-11 are absent

<220>
<221> MOD_RES
<222> 11
<223> Ser at position 11 is optional and is optionally amidated

<400> 206
Gly Gly Xaa Ser Ser Gly Ala Xaa Xaa Xaa Ser
1 5 10

<210> 207
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for His, Arg, Tyr or
4-Imidazopropionyl

<220>
<221> VARIANT
<222> 2
<223> Xaa in position 2 stands for Ser, Gly, Ala or Thr

<220>
<221> VARIANT
<222> 3
<223> Xaa in position 3 stands for Asp or Glu

<220>
<221> VARIANT
<222> 5
<223> Xaa in position 5 stands for Ala or Thr

<220>
<221> VARIANT
<222> 6
<223> Xaa in position 6 stands for Ala, Phe, Tyr or
naphthylalanine

<220>
<221> VARIANT
<222> 7
<223> Xaa in position 7 stands for Thr and Ser

<220>
<221> VARIANT
<222> 8
<223> Xaa in position 8 stands for Ala, Ser or Thr

<220>
<221> VARIANT
<222> 9
<223> Xaa in position 9 stands for Asp or Glu

<220>
<221> VARIANT
<222> 10
<223> Xaa in position 10 stands for Ala, leu, Ile, Val
pentylglycine or Met

<220>

<221> VARIANT
<222> 11
<223> Xaa in position 11 stands for Ala or Ser

<220>
<221> VARIANT
<222> 12
<223> Xaa in position 12 stands for Ala or Lys

<220>
<221> VARIANT
<222> 13
<223> Xaa in position 13 stands for Ala or Gln

<220>
<221> VARIANT
<222> 14
<223> Xaa in position 14 stands for Ala, Leu, Ile, pentylglycine, Val or Met

<220>
<221> VARIANT
<222> (15)...(17)
<223> Xaa in positions 15-17 stands for Ala or Glu

<220>
<221> VARIANT
<222> 19
<223> Xaa in position 19 stands for Ala or Val

<220>
<221> VARIANT
<222> 20
<223> Xaa in position 20 stands for Ala or Arg

<220>
<221> VARIANT
<222> 21
<223> Xaa in position 21 stands for Ala, Leu or Lys-NH3-R where R is Lys, Arg, C1-C10 straight chain or branched alklnoyl or cycloalkylalkanoyl

<220>
<221> VARIANT
<222> 22
<223> Xaa in position 22 stands for Phe, Tyr or napthylalanine

<220>
<221> VARIANT
<222> 23
<223> Xaa in position 23 stands for Ile, Val Leu, pentylglycine, tert-butylglycine or Met

<220>
<221> VARIANT
<222> 24
<223> Xaa in position 24 stands for Ala, Glu or Asp

<220>

<221> VARIANT
<222> 25
<223> Xaa in position 25 stands for Ala, Trp, Phe, Tyr
or naphthylalanine

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Ala or Leu

<220>
<221> VARIANT
<222> 27
<223> Xaa in position stands for Lys Asn, Asn Lys,
Lys-NH3-R where R is Lys, Arg, C1-C10 straight
chain or branched alkanoyl or cycloalkylalkanoyl
and is optionally amidated

<400> 207
Xaa Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15
Xaa Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25

<210> 208
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for His, Arg, Tyr, Ala,
Norval, Val, Norleu or 4-Imidazopropionyl

<220>
<221> VARIANT
<222> 2
<223> Xaa in position 2 stands for Ser, Gly, Ala or Thr

<220>
<221> VARIANT
<222> 3
<223> Xaa in position 3 stands for Ala, Asp or Glu

<220>
<221> VARIANT
<222> 4
<223> Xaa in position 4 stands for Ala, Norval,Val,
Norleu or Gly

<220>
<221> VARIANT
<222> 5
<223> Xaa in position 5 stands for Ala or Thr

<220>
<221> VARIANT
<222> 6
<223> Xaa in position 6 stands for Phe, Tyr or
naphthylalanine

<220>
<221> VARIANT
<222> 7
<223> Xaa in position 7 stands for Thr or Ser

<220>
<221> VARIANT
<222> 8
<223> Xaa in position 8 stands for Ala, Ser or Thr

<220>
<221> VARIANT
<222> 9
<223> Xaa in position 9 stands for Ala, Norval, Val,
Norleu, Asp or Glu

<220>
<221> VARIANT
<222> 10
<223> Xaa in position 10 stands for Ala, Leu, Ile, Val,
pentylglycine or Met

<220>
<221> VARIANT
<222> 11
<223> Xaa in position 11 stands for Ala or Ser

<220>
<221> VARIANT
<222> 12
<223> Xaa in position 12 stands for Ala or Lys

<220>
<221> VARIANT
<222> 13
<223> Xaa in position 13 stands for Ala or Gln

<220>
<221> VARIANT
<222> 14
<223> Xaa in position 14 stands for Ala, Leu, Ile,
pentylglycine, Val or Met

<220>
<221> VARIANT
<222> (15)...(17)
<223> Xaa in positions 15-17 stands for Ala or Glu

<220>
<221> VARIANT
<222> 19
<223> Xaa in position 19 stands for Ala or Val

<220>
<221> VARIANT

<222> 20
<223> Xaa in position 20 stands for Ala or Arg

<220>
<221> VARIANT
<222> 21
<223> Xaa in position 21 stands for Ala, Leu or Lys-NH3-R
where R is Lys, Arg, C1-C10 straight chain or branched
alkanoyl or cycloalleyl-alkanoyl

<220>
<221> VARIANT
<222> 22
<223> Xaa in position 22 stands for Phe, Tyr or
naphthylalanine

<220>
<221> VARIANT
<222> 23
<223> Xaa in position 23 stands for Ile, Val, Leu,
pentylglycine, tert-butylglycine or Met

<220>
<221> VARIANT
<222> 24
<223> Xaa in position 24 stands for Ala, Glu or Asp

<220>
<221> VARIANT
<222> 25
<223> Xaa in position Ala, trp, Phe Tyr or
napthylalanine

<220>
<221> VARIANT
<222> 26
<223> Xaa in position 26 stands for Ala or Leu

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys Asn, Asn Lys,
Lys-NH3-R Asn, Asn Lys-NH3-R, Lys-NH3-R Ala, Ala Lys-NH3-R
where R is Lys, Arg, C1-C10 straight chain or branched
alkanoyl or cycloalkylalknoyl and is optionally amidated

<400> 208
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15
Xaa Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25

<210> 209
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for His, Arg or Tyr

<220>
<221> VARIANT
<222> 2
<223> Xaa in position 2 stands for Ser, Gly, Ala or Thr

<220>
<221> VARIANT
<222> 3, 9
<223> Xaa in position 3 stands for Asp or Glu

<220>
<221> VARIANT
<222> 6
<223> Xaa in position 6 stands for Phe, Tyr or
naphthalanine

<220>
<221> VARIANT
<222> 7, 8
<223> Xaa in position 7 stands for Thr or Ser

<220>
<221> VARIANT
<222> 10, 14
<223> Xaa in position 10 and 14 stands for Leu, Ile, Val
pentylglycine or Met

<220>
<221> VARIANT
<222> 22
<223> Xaa in position 22 stands for Phe, Tyr or
naphthalanine

<220>
<221> VARIANT
<222> 23
<223> Xaa in position 23 stands for Ile, Val, Leu,
pentylglycine, tert-butylglycine or Met

<220>
<221> VARIANT
<222> 24
<223> Xaa in position 24 stands for Glu or Asp

<220>
<221> VARIANT
<222> 25
<223> Xaa in position 25 stands for Trp, Phe, Tyr or
naphthylalanine

<220>
<221> VARIANT
<222> 31, 36-38
<223> Xaa in positions 31, 36-38 is selected from Pro,
homoproline, 3Hyp, 4Hyp, thioproline, N-alkylglycine,

N-alkylpentylglycine or N-alkylalanine

<220>
<221> VARIANT
<222> 39
<223> Xaa in position 39 stands for Ser, Thr or Tyr and
is optionally amidated

<400> 209
Xaa Xaa Xaa Gly Thr Xaa Xaa Xaa Xaa Xaa Ser Lys Gln Xaa Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Xaa Xaa Xaa Xaa Leu Lys Asn Gly Gly Xaa Ser
20 25 30
Ser Gly Ala Xaa Xaa Xaa Xaa
35

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

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> VARIANT
<222> 1
<223> Xaa in position 1 stands for His, Arg, Tyr or
4-Imidazopropionyl

<220>
<221> VARIANT
<222> 2
<223> Xaa in position 2 stands for Ser, Gly, Ala or Thr

<220>
<221> VARIANT
<222> 3, 9
<223> Xaa in position 3 stands for Asp or Glu

<220>
<221> VARIANT
<222> 6
<223> Xaa in position 6 stands for Phe, Tyr or
naphthylalanine

<220>
<221> VARIANT
<222> 7, 8
<223> Xaa in positions 7-8 stands for Thr or Ser

<220>
<221> VARIANT
<222> 10, 14
<223> Xaa in positions 10 and 14 stands for Leu, Ile,
Val, pentylglycine or Met

<220>
<221> VARIANT
<222> 22
<223> Xaa in position 22 stands for Phe, Tyr or

naphthylalanine

<220>
<221> VARIANT
<222> 23
<223> Xaa in position 23 stands for Ile, Val, Leu, pentylglycine, tert-butylglycine or Met

<220>
<221> VARIANT
<222> 24
<223> Xaa in position 24 stands for Glu or Asp

<220>
<221> VARIANT
<222> 25
<223> Xaa in position 25 stands for Trp, Phe, Tyr or naphthylalanine

<220>
<221> VARIANT
<222> 27
<223> Xaa in position 27 stands for Lys Asn, Asn Lys, Lys-NH(epsilon)-R Asn, Asn Lys-NH3-R where R is Lys, Arg, C1-C10 straight chain or branched alkanoyl or cycloalkylalkanoyl

<220>
<221> VARIANT
<222> 30, 35-37
<223> Xaa in positions 30, 35-37 are selected from Pro, homoproline, 3Hyp, 4Hyp, thioproline, N-alkylglycine, N-alkylpentylglycine or N-alkylalanine

<220>
<221> VARIANT
<222> 39
<223> Xaa in position 38 stands for Ser, Thr or Tyr and is optionally amidated

<400> 210
Xaa Xaa Xaa Gly Thr Xaa Xaa Xaa Xaa Xaa Ser Lys Gln Xaa Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Xaa Xaa Xaa Xaa Leu Xaa Gly Gly Xaa Ser Ser
            20   25   30
Gly Ala Xaa Xaa Xaa Xaa
        35

<210> 211
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 12

<223> Lys in position 12 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 211
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 212
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 27
<223> Lys at position 27 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 212
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 213
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 2
<223> Lys at position 2 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 213
His Lys Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu

```
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 214
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 5
<223> Lys in position 5 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 214
His Gly Glu Gly Lys Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 215
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 8
<223> Lys in position 8 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 215
His Gly Glu Gly Thr Phe Thr Lys Asp Leu Ser Lys Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 216
<211> 39
<212> PRT
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<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 10
<223> Lys in position 10 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 216
His Gly Glu Gly Thr Phe Thr Ser Asp Lys Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 217
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 11
<223> Lys in position 11 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 217
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Lys Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 218
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 13
<223> Lys in position 13 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 218
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Lys Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 219
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 16
<223> Lys in position 16 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 219
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Lys
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 220
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 17
<223> Lys in position 17 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 220
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15

Lys Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro Ser
35

<210> 221
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 19
<223> Lys in position 19 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 221
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Lys Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro Ser
35

<210> 222
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 21
<223> Lys in position 21 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 222
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Lys Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro Ser
35

<210> 223
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 24
<223> Lys in position 24 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 223
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Lys Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 224
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 25
<223> Lys in position 25 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 224
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Lys Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 225
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 28
<223> Lys in position 28 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 225
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Lys Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 226
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 29
<223> Lys in position 29 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 226
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Lys Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 227
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 30
<223> Lys in position 30 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 227
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Lys Pro Ser

20 25 30
Ser Gly Ala Pro Pro Pro Ser
35

<210> 228
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 1
<223> His at position 1 is acylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 228
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro Ser
35

<210> 229
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 1
<223> His at position 1 is alkylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 229
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro Ser
35

<210> 230
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 27
<223> Lys in position 27 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 230
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Arg Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 231
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 12
<223> Lys in position 12 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 231
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Arg Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 232
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 232

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His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Arg Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Arg Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 233
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 39
<223> Lys in position 39 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Lys in position 39 is amidated

<400> 233
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Arg Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Arg Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro Pro Lys
        35

<210> 234
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 30
<223> Lys in position 30 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 234
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Arg Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Arg Asn Gly Lys Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 235
<211> 39
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<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 27
<223> Lys in position 27 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 235
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Arg Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro Ser
35

<210> 236
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 12
<223> Lys in position 12 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 236
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Arg Asn Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro Ser
35

<210> 237
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 1

<223> His in position 1 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 237
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Arg Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Arg Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 238
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 1
<223> His in position 1 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 238
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Arg Gln Met Glu Glu
 1   5   10   15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Arg Asn Gly Gly Pro Ser
            20   25   30
Ser Gly Ala Pro Pro Pro Ser
        35

<210> 239
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 39
<223> Lys in position 39 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Lys in position 39 is amidated

<400> 239
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Arg Gln Met Glu Glu

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 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Arg Asn Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro Pro Lys
        35
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<210> 240
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Amino Acid Sequence

<220>
<221> MOD_RES
<222> 30
<223> Lys in position 30 is PEGylated

<220>
<221> AMIDATION
<222> 39
<223> Ser in position 39 is amidated

<400> 240

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His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Arg Gln Met Glu Glu
 1               5                  10                  15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Arg Asn Gly Lys Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro Pro Ser
        35
```

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1