SEQUENCE LISTING

<110> University of Copenhagen

<120> GLP-1 conjugate

<130> 140461

<160> 9

<170> BiSSAP 1.3.6

<210> 1
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<223> GLP-1 modified

<220>
<221> VARIANT
<222> 2
<223> D-alanine, D-serine, alpha-aminoisobutyric acid, N-methyl-serine, glycine, or valine

<220>
<221> VARIANT
<222> 40
<223> L-penicillamine or L-homocysteine

<400> 1
His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Glu
1 5 10 15
Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Gly Pro Ser
20 25 30
Ser Gly Ala Pro Pro Pro Ser Cys
35 40

<210> 2
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<223> Growth Hormone Releasing Hormone (Somatoliberin)

<400> 2
Met Pro Leu Trp Val Phe Phe Phe Val Ile Leu Thr Leu Ser Asn Ser
1 5 10 15
Ser His Cys Ser Pro Pro Pro Pro Leu Thr Leu Arg Met Arg Arg Tyr
20 25 30

```
Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln Leu
        35                  40                  45
Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly Glu
    50                  55                  60
Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu Gly Arg Gln Val Asp
65                  70                  75                  80
Ser Met Trp Ala Glu Gln Lys Gln Met Glu Leu Glu Ser Ile Leu Val
                85                  90                  95
Ala Leu Leu Gln Lys His Ser Arg Asn Ser Gln Gly
            100                 105
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<210> 3
<211> 170
<212> PRT
<213> Homo sapiens

<220>
<223> Vasoactive Intestinal Peptide

<400> 3

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Met Asp Thr Arg Asn Lys Ala Gln Leu Leu Val Leu Leu Thr Leu Leu
1               5                   10                  15
Ser Val Leu Phe Ser Gln Thr Ser Ala Trp Pro Leu Tyr Arg Ala Pro
            20                  25                  30
Ser Ala Leu Arg Leu Gly Asp Arg Ile Pro Phe Glu Gly Ala Asn Glu
        35                  40                  45
Pro Asp Gln Val Ser Leu Lys Glu Asp Ile Asp Met Leu Gln Asn Ala
    50                  55                  60
Leu Ala Glu Asn Asp Thr Pro Tyr Tyr Asp Val Ser Arg Asn Ala Arg
65                  70                  75                  80
His Ala Asp Gly Val Phe Thr Ser Asp Phe Ser Lys Leu Leu Gly Gln
                85                  90                  95
Leu Ser Ala Lys Lys Tyr Leu Glu Ser Leu Met Gly Lys Arg Val Ser
            100                 105                 110
Ser Asn Ile Ser Glu Asp Pro Val Pro Val Lys Arg His Ser Asp Ala
        115                 120                 125
Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln Met Ala Val Lys
    130                 135                 140
Lys Tyr Leu Asn Ser Ile Leu Asn Gly Lys Arg Ser Ser Glu Gly Glu
145                 150                 155                 160
Ser Pro Asp Phe Pro Glu Glu Leu Glu Lys
                165                 170
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<210> 4
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<223> Pituitary Adenylate Cyclase-Activating Polypeptide 27

<400> 4

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15
Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu
20 25

<210> 5
<211> 121
<212> PRT
<213> Homo sapiens

<220>
<223> Secretin

<400> 5
Met Ala Pro Arg Pro Leu Leu Leu Leu Leu Leu Leu Leu Gly Gly Ser
1 5 10 15
Ala Ala Arg Pro Ala Pro Pro Arg Ala Arg Arg His Ser Asp Gly Thr
20 25 30
Phe Thr Ser Glu Leu Ser Arg Leu Arg Glu Gly Ala Arg Leu Gln Arg
35 40 45
Leu Leu Gln Gly Leu Val Gly Lys Arg Ser Glu Gln Asp Ala Glu Asn
50 55 60
Ser Met Ala Trp Thr Arg Leu Ser Ala Gly Leu Leu Cys Pro Ser Gly
65 70 75 80
Ser Asn Met Pro Ile Leu Gln Ala Trp Met Pro Leu Asp Gly Thr Trp
85 90 95
Ser Pro Trp Leu Pro Pro Gly Pro Met Val Ser Glu Pro Ala Gly Ala
100 105 110
Ala Ala Glu Gly Thr Leu Arg Pro Arg
115 120

<210> 6
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<223> Gastric inhibitory polypeptide

<400> 6
Tyr Ala Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Met Asp Lys
1 5 10 15
Ile His Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Lys Gly Lys
20 25 30
Lys Asn Asp Trp Lys His Asn Ile Thr Gln
35 40

<210> 7
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<223> Exendin-4

<400> 7
His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1   5   10   15
Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
            20   25   30

<210> 8
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<223> GLP-1 unmodified

<400> 8
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> 9
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<223> GLP-1/GIP co-agonist

<220>
<221> VARIANT
<222> 2
<223> D-alanine, D-serine, alpha-aminoisobutyric acid, N-methyl-serine,
      glycine, or valine

<220>
<221> VARIANT
<222> 20
<223> D-alanine, D-serine, alpha-aminoisobutyric acid, N-methyl-serine,
      glycine, or valine

<220>
<221> VARIANT
<222> 40
<223> L-penicillamine or L-homocysteine

<400> 9

```
Tyr Gly Glu Gly Thr Phe Thr Ser Asp Tyr Ser Ile Tyr Leu Asp Lys
1               5                   10                  15
Gln Ala Ala Lys Glu Phe Val Asn Trp Leu Leu Ala Gly Gly Pro Ser
            20                  25                  30
Ser Gly Ala Pro Pro Pro Ser Cys
        35                  40
```