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<120> NPY2 Receptor Agonists

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Arg Pro Arg Tyr
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<222> 33
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            20   25   30
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20 25 30
Tyr

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Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
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<400> 13
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20 25 30
Tyr

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20 25 30
Tyr

<210> 15
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20 25 30
Tyr

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Tyr

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Tyr

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            20   25   30
Tyr

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            20 25 30
Tyr

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Tyr

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20 25 30
Tyr

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20 25 30
Tyr

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20 25 30
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            20   25   30
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Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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20 25 30
Tyr

<210> 27
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20 25 30
Tyr

<210> 28
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20 25 30
Tyr

<210> 29
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Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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Tyr

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20 25 30
Tyr

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Tyr Tyr Val Glu Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 34
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-
(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 34
Ala Pro Glu Lys Pro Glu Ala Asp Ala Ser Glu Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 35
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 35
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Thr Gln Arg
1 5 10 15
Tyr Tyr Val Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg

20 25 30
Tyr

<210> 36
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 36
Ala Pro Glu Lys Pro Glu Glu Asp Thr Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Glu Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 37
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>

<223> PYY analogue

<220>
<221> SITE
<222> 4
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amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 37
Ala Pro Glu Lys Pro Glu Glu Pro Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Glu Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 38
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 38
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg

1 5 10 15
Tyr Tyr Val Ser Thr Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 39
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 39
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ala Pro Glu Glu Thr Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 40
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 40
Ala Pro Glu Lys Ala Glu Glu Asp Ala Glu Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 41
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 41
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Thr Gln Arg
1 5 10 15
Tyr Glu Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 42
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 42
Ala Pro Glu Lys Pro Pro Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 43
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 43
Ala Pro Glu Lys Pro Pro Ala Asp Ala Glu Pro Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 44
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33

<223> AMIDATION

<400> 44
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr Pro Glu Glu Thr Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 45
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 45
Ala Pro Glu Lys Pro Glu Glu Glu Ala Thr Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 46
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 46
Ala Pro Glu Lys Pro Glu Glu Ala Ala Ser Pro Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Thr Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 47
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>

<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 47
Ala Pro Glu Lys Pro Glu Ala Pro Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 48
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 48
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Ile Thr Arg Gln Arg
20 25 30
Tyr

<210> 49
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 49
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Pro Glu Ser Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 50
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 50
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 51
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-
(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 51
Ala Pro Glu Lys Pro Pro Ala Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 52
<211> 33

<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 52
Ala Pro Glu Lys Pro Glu Glu Asp Thr Glu Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 53
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 53
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Gln
1 5 10 15
Tyr Tyr Val Glu Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 54
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 54
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Ala Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Ile Thr Arg Gln Arg
20 25 30
Tyr

<210> 55
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 55
Ala Pro Glu Lys Ala Glu Glu Glu Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 56
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE

<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 56
Ala Pro Glu Lys Ala Glu Glu Asp Ala Ser Glu Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 57
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 57
Ala Pro Glu Lys Pro Glu Ala Asp Ala Ser Pro Glu Glu Ile Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 58
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 58
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 59
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
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<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 59
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Ala Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-
(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 60
Ala Pro Glu Lys Pro Glu Ala Asp Ala Glu Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg

20 25 30
Tyr

<210> 61
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 62
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>

<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 62
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Gln
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 63
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 63
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Thr Glu Gln

1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 64
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 64
Ala Pro Glu Lys Pro Glu Glu Ala Ala Ser Pro Glu Glu Leu Glu Gln
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 65
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 66
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 66
Ala Pro Glu Lys Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Glu Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 67
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 67
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg Ala Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 68
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES

<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 69
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33

<223> AMIDATION

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

<210> 70
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 70
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Ala Glu Glu Thr Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 71
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 71
Ala Pro Glu Lys Pro Glu Glu Asp Ser Ala Pro Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 72
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>

<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 72
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Pro Glu Glu Leu Gln Ala
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 73
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 73
Ala Pro Glu Lys Pro Glu Glu Asp Ser Ser Ala Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 74
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 74
Ala Pro Glu Lys Pro Glu Glu Ala Ala Ser Pro Glu Glu Leu Gln Arg
1   5   10   15
Tyr Glu Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 75
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 75
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Pro Ser Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 76
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-
(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 76
Ala Pro Glu Lys Pro Glu Glu Glu Gly Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 77
<211> 33

<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 77
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg Ala Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 78
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 78
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Ala Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 79
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 79
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Ala Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Thr Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 80
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 80
Ala Pro Glu Lys Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Ala Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 81
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE

<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 81
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Glu Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Glu Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 82
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 82
Ala Pro Glu Lys Pro Glu Glu Asp Ala Glu Pro Glu Glu Leu Gln Gln
1 5 10 15
Tyr Tyr Val Thr Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 83
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 83
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Glu Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

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

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 84
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Pro Glu Glu Thr Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 85
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 85
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Ile Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg

20 25 30
Tyr

<210> 86
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 86
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Ala Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 87
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>

<223> PYY analogue

<220>
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<222> 4
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amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 87
Ala Pro Glu Lys Pro Glu Ala Asp Ala Ser Pro Ala Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 88
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 88
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Ile Gln Arg

1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 89
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 89
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Ala Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 90
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
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<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 90
Ala Pro Glu Lys Pro Glu Ala Asp Ala Ser Pro Glu Glu Leu Gln Arg
1   5   10   15
Tyr Glu Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 91
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 91
Ala Pro Glu Lys Pro Glu Glu Asp Ser Ser Pro Ala Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 92
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
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<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 92
Ala Pro Glu Lys Pro Pro Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Glu Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 93
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
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<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 93
Ala Pro Glu Lys Pro Glu Glu Glu Ala Glu Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 94
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33

<223> AMIDATION

<400> 94
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Glu Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 95
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
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<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-
(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 95
Ala Pro Glu Lys Pro Glu Glu Asp Ala Pro Ala Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Glu Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 96
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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Tyr

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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
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<220>
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<222> 33
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1 5 10 15
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20 25 30
Tyr

<210> 129
<211> 33
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<222> 33
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<400> 129
Ala Pro Glu Lys Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
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20 25 30
Tyr

<210> 130
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1   5   10   15
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Tyr

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20 25 30
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20 25 30
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Tyr

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1 5 10 15
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            20                  25                  30
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Tyr


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Tyr

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20 25 30
Tyr

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            20   25   30
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20 25 30
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<223> AMIDATION

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Tyr

<210> 145
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Tyr

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            20   25   30
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<220>
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<222> 33
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20 25 30
Tyr

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            20   25   30
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Tyr

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Tyr

<210> 152
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            20   25   30
Tyr

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1   5   10   15
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Tyr

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20 25 30
Tyr

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<223> AMIDATION

<400> 190
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Ala Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Glu Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 191
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 191
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Gln Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 192
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
<223> PYY analogue

<220>
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 192
Ala Pro Glu Lys Pro Glu Glu Asp Ala Glu Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 193
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
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<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 193
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Glu Ala Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 194
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
<223> PYY analogue

<220>
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<220>
<221> MOD_RES
<222> 33

<223> AMIDATION

<400> 194
Ala Pro Glu Lys Pro Glu Glu Glu Ala Pro Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 195
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> PYY analogue

<220>
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<222> 4
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amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 195
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Ile Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 196
<211> 33
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 196
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ala Pro Ala Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 197
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
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<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 197
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Glu Glu Glu Ile Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 198
<211> 33
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<220>
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<220>
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 198
Ala Xaa Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Thr Leu Arg Gln Arg
20 25 30
Tyr

<210> 199
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> PYY analogue

<220>
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 199
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Ala Leu Gln Arg
1   5   10   15
Tyr Tyr Val Glu Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 200
<211> 33
<212> PRT
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<220>
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<220>
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<220>

<221> SITE
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 200
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1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 201
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 201
Ala Pro Ala Lys Pro Glu Ala Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Glu Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30

Tyr

<210> 202
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> PYY analogue

<220>
<221> SITE
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 202
Ala Pro Glu Lys Pro Glu Glu Asp Ala Glu Pro Glu Ala Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 203
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
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<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 203
Ala Pro Glu Lys Pro Glu Glu Asp Ala Glu Pro Glu Glu Thr Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 204
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 5
<223> 4Hyp

<220>
<221> MOD_RES
<222> 33

<223> AMIDATION

<400> 204
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1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 205
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 205
Ala Pro Glu Lys Pro Gln Glu Asp Ala Glu Pro Glu Glu Leu Gln Glu
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 206
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 206
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ala Pro Glu Glu Leu Gln Lys
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 207
<211> 33
<212> PRT
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<220>
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<220>
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<220>
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<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 207
Ala Pro Ala Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 208
<211> 33
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<213> Artificial Sequence

<220>
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<220>
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 208
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Pro Glu Glu Val Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 209
<211> 33
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 209
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Pro Glu Glu Leu Gln Lys
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 210
<211> 33
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 210
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Glu Gln
1 5 10 15
Tyr Glu Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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

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<220>
<223> PYY analogue

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amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 212
<211> 33

<212> PRT
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<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

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amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 213
<211> 33
<212> PRT
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 213
Ala Pro Glu Lys Pro Glu Glu Asp Ser Glu Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 214
<211> 33
<212> PRT
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<220>
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<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 215
<211> 33
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 216
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 217
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> PYY analogue

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amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 217
Ala Pro Glu Lys Pro Glu Glu Glu Thr Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 218
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 218
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Glu Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 219
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
<223> PYY analogue

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amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

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

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amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 220
Ala Pro Ala Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Glu Gln
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg

20 25 30
Tyr

<210> 221
<211> 33
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 221
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Ala Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 222
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>

<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-
(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 223
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 223
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ala Pro Glu Glu Leu Gln Arg

1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 224
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 224
Ala Pro Glu Lys Pro Glu Glu Ala Ala Ser Ala Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 225
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 225
Ala Pro Glu Lys Pro Glu Glu Asp Ala Pro Glu Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 226
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 227
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 227
Ala Pro Glu Lys Pro Glu Glu Ala Ala Glu Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 228
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
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<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 229
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
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<222> 4
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<220>
<221> MOD_RES
<222> 33

<223> AMIDATION

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

<210> 230
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-
(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 230
Ala Pro Glu Lys Pro Glu Glu Ala Ala Ser Pro Glu Glu Thr Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 231
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 232
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>

<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 232
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Gln
1 5 10 15
Tyr Tyr Val Ser Leu Arg Ala Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 233
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 233
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Ala Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 234
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 234
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Ile Gln Arg
1   5   10   15
Tyr Tyr Val Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 235
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 235
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr Pro Glu Glu Leu Gln Lys
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 236
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-
(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 236
Ala Pro Ala Lys Pro Pro Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Glu Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 237
<211> 33

<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-
(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 237
Ala Pro Glu Lys Pro Glu Glu Ala Ala Ser Pro Glu Glu Leu Gln Gln
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 238
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-

(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 238
Ala Pro Ala Lys Pro Glu Glu Glu Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 239
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 11
<223> 4Hyp

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 239
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Xaa Glu Glu Leu Gln Arg
1 5 10 15

Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 240
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-
(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 240
Ala Pro Glu Lys Pro Glu Glu Glu Ala Pro Ala Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 241
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 241
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Glu Val Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 242
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 242

Ala Pro Glu Lys Thr Glu Glu Glu Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 243
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 243
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Glu Glu Glu Leu Gln Arg
1 5 10 15
Tyr Glu Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 244
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1

<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 244
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Ala Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 245
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 245
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Pro Glu Glu Ile Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 246
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 246
Ala Pro Glu Lys Pro Glu Ala Asp Ala Ser Ala Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 247
<211> 33
<212> PRT
<213> Artificial Sequence

<220>

<221> MOD_RES
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<220>
<223> PYY analogue

<220>
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<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 247
Ala Pro Glu Lys Pro Glu Glu Glu Ala Ser Pro Glu Glu Leu Gln Gln
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 248
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
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<222> 4
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<220>
<221> MOD_RES

<222> 33
<223> AMIDATION

<400> 248
Ala Pro Glu Lys Pro Glu Glu Asp Ala Glu Pro Ala Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 249
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-
(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 249
Arg Pro Glu Lys Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 250
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 250
Arg Pro Glu Lys Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Ala His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20   25   30
Tyr

<210> 251
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> 1
<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 251
Arg Pro Glu Lys Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg Ala Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
            20 25 30
Tyr

<210> 252
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> N-terminal is linked to 3-methylbutanoyl

<220>
<223> PYY analogue

<220>
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<222> 4
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(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butan
amido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 252
Arg Pro Glu Lys Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Ala Gln Arg
            20 25 30
Tyr

<210> 253
<211> 33
<212> PRT

<213> Artificial Sequence

<220>
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<222> 1
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<220>
<223> PYY analogue

<220>
<221> SITE
<222> 4
<223> The epsilon amino group of Lys has the following substituent: [2-(2-{2-[2-(2-{2-[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]ethoxy}ethoxy)acetamido]ethoxy}ethoxy)acetyl

<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 253
Arg Pro Glu Lys Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg
1   5   10   15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Ala
            20   25   30
Tyr

<210> 254
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Amino acid sequence of formula I

<220>
<221> VARIANT
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<223> Xaa is selected from the group consisting of Pro and Hyp

<220>
<221> VARIANT
<222> 3
<223> Xaa is selected from the group consisting of Ala and Glu

<220>
<221> VARIANT
<222> 5
<223> Xaa is selected from the group consisting of Ala, Ile, Pro, Thr, Val and Hyp

<220>
<221> VARIANT
<222> 6
<223> Xaa is selected from the group consisting of Glu, Gly, Gln and Pro

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<223> Xaa is selected from the group consisting of Ala, Asp, Glu and Pro

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<223> Xaa is selected from the group consisting of Ala, Gly, Ser, Thr and Val

<220>
<221> VARIANT
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<223> Xaa is selected from the group consisting of Ala, Glu, Ser, Gln, Thr and Pro

<220>
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<223> Xaa is selected from the group consisting of Ala, Glu, Gly, Pro and Hyp

<220>
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<220>
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<222> 14
<223> Xaa is selected from the group consisting of Ala, Ile, Leu, Thr
and Val

<220>
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<222> 15
<223> Xaa is selected from the group consisting of Glu and Gln

<220>
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<222> 16
<223> Xaa is selected from the group consisting of Ala, Glu, Arg, Lys
and Gln

<220>
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<223> Xaa is selected from the group consisting of Ala, Glu, Gln and
Tyr

<220>
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<223> Xaa is selected from the group consisting of Ile, Ser, Thr and
Val

<220>
<221> VARIANT
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<223> Xaa is selected from the group consisting of Ala, Glu, Ser and
Thr

<220>
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<223> Xaa is selected from the group consisting of Ala, Ile, Leu, Thr
and Val

<220>
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<222> 23
<223> Xaa is selected from the group consisting of Ala, His and Lys

<220>
<221> VARIANT
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<223> Xaa is selected from the group consisting of Gln and Tyr

<220>
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<223> Xaa is selected from the group consisting of His, Trp and Tyr

<220>
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<222> 26
<223> Xaa is selected from the group consisting of Asn, Trp and Tyr

<220>
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<222> 27
<223> Xaa is selected from the group consisting of Ala, His, Trp, and
Tyr

<220>
<221> VARIANT
<222> 28
<223> Xaa is selected from the group consisting of Ala, Ile, Leu and
Thr

<220>
<221> VARIANT
<222> 29
<223> Xaa is selected from the group consisting of Gln, Leu and Thr

<400> 254
Ala Xaa Xaa Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15
Tyr Xaa Xaa Xaa Xaa Arg Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg Gln Arg
20 25 30
Tyr

<210> 255
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<223> Xaa is selected from the group consisting of Ala and Glu

<220>
<221> VARIANT
<222> 5
<223> Xaa is selected from the group consisting of Ala, Pro and Hyp

<220>
<221> VARIANT
<222> 6
<223> Xaa is selected from the group consisting of Glu, Gly, Gln and
Pro

<220>
<221> VARIANT
<222> 7
<223> Xaa is selected from the group consisting of Ala and Glu

<220>
<221> VARIANT
<222> 8
<223> Xaa is selected from the group consisting of Ala, Asp, Glu and
Pro

<220>
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<222> 9
<223> Xaa is selected from the group consisting of Ala, Gly and Ser

<220>
<221> VARIANT
<222> 10
<223> Xaa is selected from the group consisting of Ala, Glu, Ser, Thr
and Pro

<220>
<221> VARIANT
<222> 11
<223> Xaa is selected from the group consisting of Ala, Glu, Pro and
Hyp

<220>
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<223> Xaa is selected from the group consisting of Ala, Glu and Ser

<220>
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<223> Xaa is selected from the group consisting of Ala, Glu and Ser

<220>
<221> VARIANT
<222> 14
<223> Xaa is selected from the group consisting of Ile, Leu, Thr and
Val

<220>
<221> VARIANT
<222> 15
<223> Xaa is selected from the group consisting of Glu and Gln

<220>
<221> VARIANT
<222> 16
<223> Xaa is selected from the group consisting of Ala, Glu, Arg, Lys
and Gln

<220>
<221> VARIANT
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<223> Xaa is selected from the group consisting of Ala, Glu, Gln and
Tyr

<220>
<221> VARIANT
<222> 19
<223> Xaa is selected from the group consisting of Ile, Ser, Thr and
Val

<220>
<221> VARIANT
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<223> Xaa is selected from the group consisting of Ala, Glu, Ser and
Thr

<220>
<221> VARIANT
<222> 21
<223> Xaa is selected from the group consisting of Ala, Ile, Leu, Thr
and Val

<220>
<221> VARIANT
<222> 23
<223> Xaa is selected from the group consisting of Ala, His and Lys

<220>
<221> VARIANT
<222> 25
<223> Xaa is selected from the group consisting of Trp and Tyr

<220>
<221> VARIANT
<222> 26
<223> Xaa is selected from the group consisting of Asn and Tyr

<220>
<221> VARIANT
<222> 27
<223> Xaa is selected from the group consisting of His, Trp, and Tyr

<220>
<221> VARIANT
<222> 28
<223> Xaa is selected from the group consisting of Ala, Ile and Leu

<220>
<221> VARIANT
<222> 29
<223> Xaa is selected from the group consisting of Gln and Thr

<400> 255
Ala Xaa Xaa Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15
Tyr Xaa Xaa Xaa Xaa Arg Xaa Tyr Xaa Xaa Xaa Xaa Xaa Arg Gln Arg
20 25 30
Tyr

<210> 256
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Amino acid sequence of formula III

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<220>
<221> VARIANT

<222> 6
<223> Xaa is selected from the group consisting of Glu and Gly

<220>
<221> VARIANT
<222> 7
<223> Xaa is selected from the group consisting of Ala and Glu

<220>
<221> VARIANT
<222> 8
<223> Xaa is selected from the group consisting of Ala, Asp, Glu and
Pro

<220>
<221> VARIANT
<222> 9
<223> Xaa is selected from the group consisting of Ala and Ser

<220>
<221> VARIANT
<222> 10
<223> Xaa is selected from the group consisting of Ala, Glu, Ser, Thr
and Pro

<220>
<221> VARIANT
<222> 11
<223> Xaa is selected from the group consisting of Ala, Glu and Pro

<220>
<221> VARIANT
<222> 12
<223> Xaa is selected from the group consisting of Ala and Glu

<220>
<221> VARIANT
<222> 13
<223> Xaa is selected from the group consisting of Ala and Glu

<220>
<221> VARIANT
<222> 14
<223> Xaa is selected from the group consisting of Ile, Leu, Thr and
Val

<220>
<221> VARIANT
<222> 15
<223> Xaa is selected from the group consisting of Glu and Gln

<220>
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<223> Xaa is selected from the group consisting of Ala, Glu, Arg, Lys
and Gln

<220>
<221> VARIANT
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<223> Xaa is selected from the group consisting of Glu and Tyr

<220>
<221> VARIANT
<222> 20
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Thr

<400> 256
Ala Pro Xaa Lys Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15
Tyr Xaa Val Xaa Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 257
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Amino acid sequence of formula IV

<220>
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<220>
<221> VARIANT
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<223> Xaa is selected from the group consisting of Ala and Glu

<220>
<221> VARIANT
<222> 8
<223> Xaa is selected from the group consisting of Ala, Asp and Glu

<220>
<221> VARIANT
<222> 10
<223> Xaa is selected from the group consisting of Ala, Glu, Ser and
Thr

<220>
<221> VARIANT
<222> 11
<223> Xaa is selected from the group consisting of Ala, Hyp and Pro

<220>
<221> VARIANT
<222> 14
<223> Xaa is selected from the group consisting of Ile and Leu

<220>
<221> VARIANT
<222> 16
<223> Xaa is selected from the group consisting of Arg, Lys and Gln

<220>
<221> VARIANT
<222> 20
<223> Xaa is selected from the group consisting of Ala, Glu and Ser

<400> 257
Ala Pro Xaa Lys Pro Glu Xaa Xaa Ala Xaa Xaa Glu Glu Xaa Gln Xaa
1 5 10 15
Tyr Tyr Val Xaa Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr