

SEQUENCE LISTING

<110> Boehringer Ingelheim International GmbH

<120> NPY2 Receptor Agonists

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1 5 10 15
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 20 25 30
Arg Gln Arg Tyr

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Met Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr
20 25 30
Arg Pro Arg Tyr
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20 25 30
Arg Tyr

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<223> The epsilon amino group of Lys has the following substituent: (6-
[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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1 5 10 15
Tyr Tyr Ile Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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1 5 10 15
Tyr Tyr Ile Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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20 25 30
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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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

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20 25 30
Tyr

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20 25 30
Tyr

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Tyr Tyr Ile 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

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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

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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
20 25 30
Tyr

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

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

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20 25 30
Tyr

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Tyr

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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 Gln 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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<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: (6-
[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 37
Ala Pro Ala Lys Pro Glu Glu Asp Ala Glu 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> 38
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
<223> PYY analogue

<220>
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 38
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> 39
<211> 33
<212> PRT
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<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 39
 Ala Pro Ala Lys Pro Glu Glu Ala 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> 40
 <211> 33
 <212> PRT
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<220>
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 <221> MOD_RES
 <222> 33
 <223> AMIDATION

<400> 40
 Ala Pro Ala Lys Pro Glu Glu Ala Ala Thr 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> 41
 <211> 33
 <212> PRT
 <213> Artificial Sequence

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

<400> 41
Ala Pro Glu Lys Pro Glu Glu Asp Ala Glu Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Thr 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

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

<400> 42
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr 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> 43

<211> 33
<212> PRT
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<220>
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<220>
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<222> 33
<223> AMIDATION

<400> 43
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Ala 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> 44
<211> 33
<212> PRT
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<220>
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

<220>
<221> MOD_RES

<222> 33
<223> AMIDATION

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

<210> 45
<211> 33
<212> PRT
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<220>
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<222> 33
<223> AMIDATION

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

<210> 46
<211> 33
<212> PRT
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<220>

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<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

<400> 46

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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> 47

<211> 33

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<220>

<223> PYY analogue

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<221> SITE

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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

<400> 47

Ala Pro Ala Lys Pro Glu Ala 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> 48
<211> 33
<212> PRT
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<220>
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<222> 33
<223> AMIDATION

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

<210> 49
<211> 33
<212> PRT
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 49
Ala Pro Glu Lys Pro Glu Glu Ile 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> 50
<211> 33
<212> PRT
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 50
Ala Pro Glu Lys Pro Glu Glu Asp Ala Glu Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Ala 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

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<220>
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 51
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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> 52
<211> 33
<212> PRT
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<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 52
Ala Pro Ala Lys Pro Glu Glu Ala Ala Thr 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> 53
<211> 33
<212> PRT
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<220>
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<220>
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<222> 33
<223> AMIDATION

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

Tyr

<210> 54
<211> 33
<212> PRT
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<220>
<223> PYY analogue

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<221> SITE

<222> 4
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 54
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr 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> 55
<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> 55
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Val Gln Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 56
<211> 33
<212> PRT
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<220>
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 56
Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Ile 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> 57
<211> 33
<212> PRT
<213> Artificial Sequence

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

<400> 57

Ala	Pro	Glu	Lys	Pro	Glu	Glu	Asp	Ala	Glu	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> 58

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

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<220>

<223> PYY analogue

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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

<400> 58

Ala	Pro	Glu	Lys	Pro	Glu	Glu	Asp	Ala	Thr	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> 59

<211> 33

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<220>
<221> MOD_RES
<222> 33
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<400> 59
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> 60
<211> 33
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 60
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> 61

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

<400> 61
Ala Pro Ala Lys Pro Glu Glu Asp Ala Thr 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> 62
<211> 33
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<220>
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<222> 33
<223> AMIDATION

<400> 62
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr 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> 63
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<222> 33
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<400> 63
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1 5 10 15
Tyr Tyr Val Gln Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 64
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<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

<400> 64

Ala Pro Glu Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Leu Gln Arg

1 5 10 15

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20 25 30

Tyr

<210> 65

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<220>

<221> MOD_RES

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<223> AMIDATION

<400> 65

Ala Pro Glu Lys Pro Pro 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> 66
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<220>
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<222> 33
<223> AMIDATION

<400> 66
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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> 67
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<400> 67
Ala Pro Ala 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> 68
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<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 68
Ala Pro Glu Lys Pro Pro Glu Asp Ala Thr 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> 69
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 69
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1 5 10 15
Tyr Tyr Ile Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
 20 25 30
Tyr

<210> 70
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<223> The epsilon amino group of Lys has the following substituent: (6-
[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 70
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr 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> 71
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<223> PYY analogue

<220>
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 71
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> 72
<211> 33
<212> PRT
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 73
<211> 33
<212> PRT
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<220>
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 73
Ala Pro Glu Lys Pro Pro Ala Asp 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> 74
<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> 74
Ala Pro Ala Lys Pro Glu Glu Asp Ala Thr Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Ile Ala 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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<220>
<223> PYY analogue

<220>
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 75

Ala	Pro	Ala	Lys	Pro	Glu	Glu	Asp	Ala	Glu	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> 76

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<221> MOD_RES

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<220>

<223> PYY analogue

<220>

<221> SITE

<222> 4

<223> The epsilon amino group of Lys has the following substituent: (6-
[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

<400> 76

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> 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>
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<222> 4
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 77
Ala Pro Glu Lys Pro Glu Glu Ala 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> 78
<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> 78
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr 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> 79

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

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

<400> 79
Ala Pro Glu Lys Pro Glu Glu Asp Ala Pro 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> 80
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
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<220>
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

<220>
<221> MOD_RES

<222> 33
<223> AMIDATION

<400> 80
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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> 81
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
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<220>
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<222> 33
<223> AMIDATION

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

<210> 82
<211> 33
<212> PRT
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<220>

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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

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Tyr Tyr Val Ser Leu Arg His Tyr Tyr Gln Trp Leu Thr Arg Gln Arg

20 25 30

Tyr

<210> 83

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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> 83

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

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

<400> 84
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> 85
<211> 33
<212> PRT
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<220>
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<222> 33
<223> AMIDATION

<400> 85
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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> 86
<211> 33
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<400> 86
Ala Pro Ala 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> 87
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<220>
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<222> 33
<223> AMIDATION

<400> 87
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr Ser 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> 88
<211> 33
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<220>
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<222> 33
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<400> 88
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr 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> 89
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<400> 89
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1 5 10 15
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20 25 30

Tyr

<210> 90
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<220>
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<400> 90
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1 5 10 15
Tyr Tyr Ala Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 91
<211> 33
<212> PRT
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<220>
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<400> 91
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1 5 10 15
Tyr Tyr Val Pro Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 92
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<220>
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1 5 10 15
Gln Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 93
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<220>
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<222> 33
<223> AMIDATION

<400> 93
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 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> 94
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<220>
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 20 25 30
 Tyr

<210> 95
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20 25 30
Tyr

<210> 96
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<220>
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<222> 33
<223> AMIDATION

<400> 96
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20 25 30
Tyr

<210> 97

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<400> 97
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Tyr Tyr Val Gln Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 98
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<220>
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<222> 33
<223> AMIDATION

<400> 98
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> 99
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<220>
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<222> 33
<223> AMIDATION

<400> 99
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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> 100
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<222> 33

<223> AMIDATION

<400> 100

Ala Pro Glu Lys Pro Glu Glu Ser 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> 101

<211> 33

<212> PRT

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<221> MOD_RES

<222> 33

<223> AMIDATION

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Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr Pro Glu Glu Ile Gln Arg

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20 25 30

Tyr

<210> 102
<211> 33
<212> PRT
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<222> 33
<223> AMIDATION

<400> 102
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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> 103
<211> 33
<212> PRT
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<222> 33
<223> AMIDATION

<400> 103
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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> 104
<211> 33
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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1 5 10 15
Tyr Tyr Ile Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

<210> 105
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1 5 10 15
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20 25 30

Tyr

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1 5 10 15
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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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20 25 30
Tyr

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<400> 111

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Tyr	Tyr	Val	Ser	Leu	Arg	His	Tyr	Tyr	Asn	Trp	Leu	Thr	Arg	Gln	Arg
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Tyr

<210> 112

<211> 33

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<210> 113

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20 25 30
Tyr

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1 5 10 15
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20 25 30
Tyr

<210> 115

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20 25 30
Tyr

<210> 116
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<222> 33
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<400> 116
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1 5 10 15
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20 25 30
Tyr

<210> 117
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<400> 117
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1 5 10 15
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20 25 30
Tyr

<210> 118
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1 5 10 15
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Tyr

<210> 121
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<222> 33
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<400> 121
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1 5 10 15
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20 25 30
Tyr

<210> 122
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<400> 122
Ala Pro Glu Lys Pro Pro Glu Asp Ala Glu 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> 123
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<400> 123
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Tyr

<210> 124
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20 25 30

Tyr

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1 5 10 15
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20 25 30

Tyr

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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

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20 25 30
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1 5 10 15
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20 25 30
Tyr

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

Tyr

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<223> AMIDATION

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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

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<222> 33
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<400> 131
Ala Pro Glu Lys Pro Glu Ala Ala Ala Glu 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

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1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
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20 25 30
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Tyr Tyr Val Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
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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> 138
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20 25 30
Tyr

<210> 139
<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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<223> The epsilon amino group of Lys has the following substituent: (6-
[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 139
Ala Pro Glu Lys Pro Glu Ala Ala Ala Glu 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> 140
<211> 33
<212> PRT
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<220>
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<220>
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<222> 33
<223> AMIDATION

<400> 140
Ala Pro Glu Lys Pro Glu Ala Asp Ala Thr 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> 141
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 141
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1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Leu Arg Gln Arg
 20 25 30
Tyr

<210> 142
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<222> 33
<223> AMIDATION

<400> 142
Ala Pro Glu Lys Pro Glu 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> 143
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<220>
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<222> 33
<223> AMIDATION

<400> 143
Ala Pro Glu Lys Pro Glu Glu Glu 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> 144
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<222> 33
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<400> 144
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

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<220>
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<222> 33
<223> AMIDATION

<400> 145
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr Pro Glu Glu Leu Gln Ser
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> 146
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<220>
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<222> 33
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<400> 146
Ala Pro Glu Lys Pro Glu Glu Asp Ala Leu 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> 147
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 147

Ala	Pro	Glu	Lys	Pro	Glu	Glu	Asp	Ser	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> 148

<211> 33

<212> PRT

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<222> 4

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<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

<400> 148

Ala	Pro	Glu	Lys	Pro	Glu	Glu	Asp	Gln	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> 149

<211> 33

<212> PRT

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

<400> 149
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

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

<400> 150
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> 151

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<220>
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<222> 33
<223> AMIDATION

<400> 151
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> 152
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<220>
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<222> 33
<223> AMIDATION

<400> 152
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr Pro 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> 153
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<223> AMIDATION

<400> 153
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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> 154
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<222> 33
<223> AMIDATION

<400> 156
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> 157
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<222> 33
<223> AMIDATION

<400> 157
Ala Pro Glu Lys Pro Glu Glu Leu 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> 158
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<400> 158
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1 5 10 15
Tyr Tyr Val Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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1 5 10 15
Tyr Tyr Val Ser Leu Arg His Tyr Tyr Asn Trp Leu Ser Arg Gln Arg
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1 5 10 15

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

Tyr

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

Tyr

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<400> 162
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1 5 10 15
Tyr Tyr Val Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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<400> 163
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1 5 10 15
Tyr Tyr Ile Ser Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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1 5 10 15
Tyr Tyr Ile Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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<220>
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<222> 33
<223> AMIDATION

<400> 165

Ala	Pro	Ala	Lys	Pro	Glu	Glu	Ala	Ala	Glu	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> 166

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<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

<400> 166

Ala	Pro	Glu	Lys	Pro	Glu	Glu	Asp	Ala	Thr	Pro	Glu	Glu	Glu	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> 167

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<212> PRT

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<223> AMIDATION

<400> 167
Ala Pro Glu Lys Pro Glu Ala 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

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<222> 33
<223> AMIDATION

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

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Ala Pro Ala Lys Pro Pro 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

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<400> 170
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1 5 10 15
Tyr Tyr Val Glu Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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<222> 33
<223> AMIDATION

<400> 171
Ala Pro Ala Lys Pro Glu Glu Ala Ala Glu 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

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<220>
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<222> 33
<223> AMIDATION

<400> 174
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1 5 10 15
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20 25 30
Tyr

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<222> 33
<223> AMIDATION

<400> 175
Ala Pro Glu 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> 176
<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: (6-
[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 176
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> 177
<211> 33
<212> PRT
<213> Artificial Sequence

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

<400> 177
Ala Pro Glu Lys Pro Glu Glu Asp 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> 178
<211> 33
<212> PRT
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<220>
<223> PYY analogue

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

<400> 178
Ala Pro Glu Lys Pro Gly Ala Asp Ala Ser Pro Glu Lys Leu Gln Arg
1 5 10 15

Tyr Tyr Val Ser Leu Arg His Tyr Tyr His Lys Leu Thr Arg Gln Arg
20 25 30

Tyr

<210> 179
<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> 179
Ala Pro Ala Lys Pro Glu Glu Asp Ala Glu Pro Glu Glu Leu Gln Arg
1 5 10 15
Tyr Tyr Ile Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30

Tyr

<210> 180
<211> 33
<212> PRT
<213> Artificial Sequence

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<220>
<223> PYY analogue

<220>
<221> SITE

<222> 4
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 180
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr 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> 181
<211> 33
<212> PRT
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<220>
<223> PYY analogue

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

<400> 181
Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr 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> 182
<211> 33
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<220>
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<222> 4
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 182
Ala Pro Glu Lys Pro Glu Ala Ala Ala Thr 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> 183
<211> 33
<212> PRT
<213> Artificial Sequence

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

<400> 183

Ala	Pro	Glu	Lys	Pro	Glu	Ala	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> 184

<211> 33

<212> PRT

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<220>

<223> PYY analogue

<220>

<221> SITE

<222> 4

<223> The epsilon amino group of Lys has the following substituent: (6-
[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

<400> 184

Ala	Pro	Glu	Lys	Pro	Glu	Glu	Asp	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	Lys	Gln	Arg
			20					25					30		

Tyr

<210> 185

<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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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 185
Ala Pro Ala Lys Pro Glu Ala Asp Ala Glu 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> 186
<211> 33
<212> PRT
<213> Artificial Sequence

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

<400> 186
Ala Pro Ala Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Ala 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> 187

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

<400> 187
Ala Pro Glu Lys Ala 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> 188
<211> 33
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<220>
<221> MOD_RES

<222> 33
<223> AMIDATION

<400> 188
Ala Pro Glu Lys Pro Glu Ala Asp Ala Thr 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> 189
<211> 33
<212> PRT
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 189
Ala Pro Ala Lys Pro 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> 190
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<212> PRT
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<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

<400> 190

Ala Pro Glu Lys Pro Glu Glu Asp Ala Glu 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> 191

<211> 33

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<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

<400> 191

Ala Pro Glu Lys Pro Glu Glu Asp Ala Thr Pro Glu Glu Pro 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> 192
<211> 33
<212> PRT
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 193
<211> 33
<212> PRT
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 193
Ala Pro Ala 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> 194
<211> 33
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<222> 33
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<400> 194
Ala Pro Ala Lys Pro Glu Glu Asp Ala Thr 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> 195
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

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

<210> 196
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 196
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> 197
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<220>
<221> MOD_RES
<222> 33
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<400> 197
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> 198
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<220>
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<222> 33
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<400> 198
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1 5 10 15
Tyr Tyr Val Ala Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg
20 25 30
Tyr

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

<400> 199
Ala Pro Ala Lys Pro Glu Glu Asp Ala Ser Pro Glu Glu Ile 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> 200
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<212> PRT
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<220>
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<400> 200
Ala Pro Glu Lys Pro Glu 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> 201
<211> 33
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 201

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> 202

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

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<220>

<223> PYY analogue

<220>

<221> SITE

<222> 4

<223> The epsilon amino group of Lys has the following substituent: (6-
[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

<220>

<221> MOD_RES

<222> 33

<223> AMIDATION

<400> 202

Ala	Pro	Ala	Lys	Pro	Glu	Ala	Asp	Ala	Glu	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> 203

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<221> MOD_RES

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

<220>

<223> PYY analogue

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<222> 4
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[(4S)-4-carboxy-4-(17-carboxyheptadecanamido)butanamido]hexanoyl)

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

<400> 203
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> 204
<211> 33
<212> PRT
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<220>
<221> MOD_RES
<222> 33
<223> AMIDATION

<400> 204
Arg Pro Glu Lys Pro Gly 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> 205

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

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

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

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<220>
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<220>
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<222> 33
<223> AMIDATION

<400> 206
Arg Pro Glu Lys Pro Gly 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 Ala Gln Arg
20 25 30
Tyr

<210> 207
<211> 33
<212> PRT
<213> Artificial Sequence

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<223> PYY analogue

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

<400> 207
Arg Pro Glu Lys Pro Gly 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 Ala
20 25 30
Tyr

<210> 208
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<213> Artificial Sequence

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<222> 3
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<222> 5
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<222> 6
<223> Xaa is selected from the group consisting of Glu, Gly and Pro

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Xaa Xaa Xaa Xaa Leu Arg His Xaa Xaa Xaa Xaa Leu Xaa Xaa Gln Arg
20 25 30
Tyr

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Tyr Tyr Xaa Xaa Leu Arg His Tyr Tyr Asn Trp Leu Thr Arg Gln Arg

20 25 30

Tyr