

SEQUENCE LISTING

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SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
CORVIDIA THERAPEUTICS, INC.

<120> APOC-II MIMETIC PEPTIDES

<130> 32601-36431/PCT

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<141> 2018-01-19

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<160> 73

<170> PatentIn version 3.5

<210> 1

<211> 79

<212> PRT

<213> Homo sapiens

<400> 1

Thr	Gln	Gln	Pro	Gln	Gln	Asp	Glu	Met	Pro	Ser	Pro	Thr	Phe	Leu	Thr
1				5					10					15	

Gln	Val	Lys	Glu	Ser	Leu	Ser	Ser	Tyr	Trp	Glu	Ser	Ala	Lys	Thr	Ala
			20					25					30		

Ala	Gln	Asn	Leu	Tyr	Glu	Lys	Thr	Tyr	Leu	Pro	Ala	Val	Asp	Glu	Lys
		35					40					45			

Leu	Arg	Asp	Leu	Tyr	Ser	Lys	Ser	Thr	Ala	Ala	Met	Ser	Thr	Tyr	Thr
	50					55					60				

Gly	Ile	Phe	Thr	Asp	Gln	Val	Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
65					70					75				

<210> 2

<211> 40

<212> PRT

<213> Homo sapiens

<400> 2

Thr	Tyr	Leu	Pro	Ala	Val	Asp	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys
1				5					10					15	

Ser	Thr	Ala	Ala	Met	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
		35				40	

<210> 3

<211> 22

<212> PRT

<213> Homo sapiens

<400> 3

Gln	Val	Lys	Glu	Ser	Leu	Ser	Ser	Tyr	Trp	Glu	Ser	Ala	Lys	Thr	Ala
1				5					10					15	

Ala	Gln	Asn	Leu	Tyr	Glu
			20		

<210> 4

<211> 13

<212> PRT

<213> Homo sapiens

<400> 4

Val	Asp	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys	Ser	Thr
1				5					10			

<210> 5

<211> 11

<212> PRT

<213> Homo sapiens

<400> 5

Gly	Ile	Phe	Thr	Asp	Gln	Val	Leu	Ser	Val	Leu
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<210> 6

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<220>

<221> MOD_RES

<222> (21)..(21)

<223> Norleucine

<400> 6

Asp	Tyr	Leu	Lys	Glu	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Glu	Lys
1				5					10					15	

Phe	Thr	Ala	Ala	Leu	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
		35				40	

<210> 7

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 7

Asp	Tyr	Leu	Lys	Glu	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Glu	Lys
1				5					10					15	

Phe	Thr	Ala	Ala	Val	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
		35				40	

<210> 8

<211> 40

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 8

Asp Tyr Leu Lys Glu Val Phe Glu Lys Leu Arg Asp Leu Tyr Glu Lys
1 5 10 15

Phe Thr Ala Ala Leu Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 9

<211> 40

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 9

Asp Tyr Leu Lys Glu Val Phe Glu Lys Leu Arg Asp Leu Tyr Glu Lys
1 5 10 15

Phe Thr Pro Ala Val Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 10

<211> 40

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 10

Asp Tyr Leu Lys Glu Val Phe Glu Lys Leu Arg Asp Leu Tyr Glu Lys
1 5 10 15

Phe Thr Pro Ala Leu Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 11
<211> 40
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<400> 11
Asp Tyr Leu Lys Glu Val Phe Glu Lys Leu Arg Asp Leu Tyr Glu Lys
1 5 10 15

Phe Thr Pro Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 12
<211> 40
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<220>
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<400> 12
Asp Tyr Leu Arg Glu Val Phe Glu Arg Leu Arg Asp Leu Tyr Glu Arg
1 5 10 15

Lys Thr Pro Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Arg Gly Glu Glu
35 40

<210> 13
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<212> PRT
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<222> (21)..(21)

<223> Norleucine

<400> 13

Asp	Tyr	Leu	Lys	Glu	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Glu	Lys
1				5					10					15	

Phe	Thr	Ala	Ala	Leu	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
		35				40	

<210> 14

<211> 40

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<221> MOD_RES

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<223> Norleucine

<400> 14

Asp	Tyr	Leu	Lys	Glu	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Glu	Lys
1				5					10					15	

Lys	Thr	Pro	Ala	Leu	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
		35				40	

<210> 15

<211> 40

<212> PRT

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<220>

<221> MOD_RES

<222> (21)..(21)

<223> Norleucine

<400> 15

Asp	Tyr	Leu	Lys	Glu	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Glu	Lys
1				5					10					15	

Lys	Thr	Ala	Ala	Leu	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
		35				40	

<210> 16

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

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<221> MOD_RES

<222> (21)..(21)

<223> Norleucine

<400> 16

Asp	Tyr	Leu	Lys	Ala	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys
1				5					10					15	

Phe	Thr	Ala	Ala	Leu	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
		35				40	

<210> 17

<211> 40

<212> PRT
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<223> Norleucine

<400> 17
Asp Tyr Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Glu Lys
1 5 10 15

Phe Thr Ala Ala Leu Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 18
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<400> 18
Asp Tyr Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Ser Lys
1 5 10 15

Phe Phe Ala Ala Leu Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 19
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 <223> Norleucine

<400> 19
 Asp Tyr Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Ser Lys
 1 5 10 15

Phe Thr Ala Ala Leu Ser Thr Ser Thr Gly Ile Phe Thr Asp Gln Val
 20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
 35 40

<210> 20
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<220>
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 <222> (21)..(21)
 <223> Norleucine

<400> 20
 Asp Tyr Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Ser Lys
 1 5 10 15

Phe Thr Ala Ala Leu Ser Thr Tyr Thr Gly Ile Phe Thr Asp Arg Val
 20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
 35 40

<210> 21
 <211> 40
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<220>
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<220>
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 <223> Norleucine

<400> 21
 Asp Tyr Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Ser Lys
 1 5 10 15

Phe Thr Ala Ala Leu Ser Thr Tyr Thr Gly Ile Phe Thr Asp Lys Val
 20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
 35 40

<210> 22
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<220>
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<400> 22
 Lys Arg Asp Leu Tyr Glu Lys Lys Phe Ala Ala Leu Ser Thr Tyr Thr
 1 5 10 15

Gly Ile Phe Thr Asp Gln Val Leu Ser Val Leu Lys Gly Glu Glu
 20 25 30

<210> 23
 <211> 40
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<220>
 <223> Description of Artificial Sequence: Synthetic polypeptide

<220>
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 <223> Norleucine

<400> 23
 Asp Tyr Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Ser Lys
 1 5 10 15

Phe Thr Ala Ala Leu Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
 20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
 35 40

<210> 24
 <211> 40
 <212> PRT
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 <223> Description of Artificial Sequence: Synthetic polypeptide

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 <222> (21)..(21)
 <223> Norleucine

<400> 24
 Asp Tyr Leu Lys Ala Val Phe Glu Lys Lys Arg Asp Leu Tyr Ser Lys
 1 5 10 15

Phe Thr Ala Ala Leu Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
 20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
 35 40

<210> 25

<211> 40

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 25

Asp	Tyr	Leu	Lys	Ala	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys
1				5				10					15		

Phe	Thr	Pro	Ala	Met	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
		35				40	

<210> 26

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 26

Asp	Tyr	Leu	Lys	Ala	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Glu	Lys
1				5				10					15		

Phe	Thr	Pro	Ala	Met	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
		35				40	

<210> 27

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 27

Asp	Tyr	Leu	Lys	Ala	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Lys	Lys
1				5					10					15	

Phe	Thr	Pro	Ala	Met	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
		35				40	

<210> 28

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 28

Asp	Tyr	Leu	Lys	Ala	Val	Phe	Glu	Lys	Leu	Lys	Asp	Leu	Tyr	Ser	Lys
1				5					10					15	

Phe	Thr	Pro	Ala	Met	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
		35				40	

<210> 29

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 29

Asp	Trp	Leu	Lys	Ala	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys
1				5					10					15	

Phe	Thr	Pro	Ala	Met	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 30

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 30

Asp Tyr Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Ser Lys
1 5 10 15

Phe Phe Pro Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 31

<211> 40

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 31

Asp Tyr Leu Lys Ala Phe Tyr Glu Lys Leu Arg Asp Leu Leu Ser Lys
1 5 10 15

Ala Phe Pro Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 32

<211> 40

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 32

Asp Tyr Leu Lys Ala Val Lys Glu Lys Leu Arg Asp Leu Tyr Ser Lys
1 5 10 15

Phe Thr Pro Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 33

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 33

Asp Tyr Leu Lys Ala Val Phe Glu Lys Lys Arg Asp Leu Tyr Ser Lys
1 5 10 15

Phe Thr Pro Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 34

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 34

Asp Tyr Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Ser Lys
1 5 10 15

Lys Thr Pro Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 35

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 35

Asp Tyr Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Ser Lys
1 5 10 15

Phe Thr Ala Ala Lys Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 36

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 36

Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Ser Lys Phe Thr Ala
1 5 10 15

Ala Lys Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val Leu Ser Val
20 25 30

Leu Lys Gly Glu Glu
35

<210> 37

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 37

Asp	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys	Phe	Thr	Ala	Ala
1				5				10						15	

Lys	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val	Leu	Ser	Val	Leu
			20					25					30		

Lys	Gly	Glu	Glu
			35

<210> 38

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 38

Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys	Phe	Thr	Ala	Ala	Lys	Ser	Thr
1				5				10						15	

Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val	Leu	Ser	Val	Leu	Lys	Gly	Glu
			20					25					30		

Glu

<210> 39

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 39

Arg	Asp	Leu	Tyr	Ser	Lys	Phe	Thr	Ala	Ala	Lys	Ser	Thr	Tyr	Thr	Gly
1				5				10						15	

Ile Phe Thr Asp Gln Val Leu Ser Val Leu Lys Gly Glu Glu
 20 25 30

<210> 40
 <211> 29
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<220>
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<400> 40
 Asp Leu Tyr Ser Lys Phe Thr Ala Ala Lys Ser Thr Tyr Thr Gly Ile
 1 5 10 15

Phe Thr Asp Gln Val Leu Ser Val Leu Lys Gly Glu Glu
 20 25

<210> 41
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 41
 Asp Lys Phe Thr Ala Ala Lys Ser Thr Tyr Thr Gly Ile Phe Thr Asp
 1 5 10 15

Gln Val Leu Ser Val Leu Lys Gly Glu Glu
 20 25

<210> 42
 <211> 40
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polypeptide

<220>
 <221> MOD_RES
 <222> (21)..(21)
 <223> Norleucine

<400> 42

Asp	Tyr	Leu	Lys	Glu	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys
1				5					10					15	

Phe	Thr	Ala	Ala	Leu	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
			35				40

<210> 43

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 43

Asp	Trp	Leu	Lys	Ala	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Glu	Lys
1				5					10					15	

Phe	Thr	Pro	Ala	Met	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu
			35				40

<210> 44

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 44

Asp	Tyr	Leu	Lys	Ala	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Glu	Lys
1				5					10					15	

Phe	Phe	Pro	Ala	Met	Ser	Thr	Tyr	Thr	Gly	Ile	Phe	Thr	Asp	Gln	Val
			20					25					30		

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 45

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<400> 45

Asp Trp Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Glu Lys
1 5 10 15

Phe Phe Pro Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 46

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic polypeptide

<220>

<221> MOD_RES

<222> (21)..(21)

<223> Norleucine

<400> 46

Asp Trp Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Glu Lys
1 5 10 15

Phe Thr Pro Ala Leu Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 47
 <211> 40
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<220>
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<400> 47
 Asp Tyr Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Glu Lys
 1 5 10 15

Phe Phe Pro Ala Leu Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
 20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
 35 40

<210> 48
 <211> 40
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<220>
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<220>
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 <222> (21)..(21)
 <223> Norleucine

<400> 48
 Asp Trp Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Glu Lys
 1 5 10 15

Phe Phe Pro Ala Leu Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
 20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
 35 40

<210> 49
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 49
 Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val Leu Ser Val
 1 5 10 15

Leu Lys Gly Glu Glu
 20

<210> 50
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 50
 Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val Leu Ser Val
 1 5 10 15

Leu Lys Gly Glu Glu
 20

<210> 51
 <211> 21
 <212> PRT
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<220>
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<400> 51
 Ala Lys Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val Leu Ser Val
 1 5 10 15

Leu Lys Gly Glu Glu
 20

<210> 52
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 52
 Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val Leu Ser Val
 1 5 10 15

Leu Lys Gly Glu Glu
 20

<210> 53
 <211> 40
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Synthetic polypeptide

<400> 53
 Asp Tyr Leu Lys Glu Val Phe Glu Lys Leu Arg Asp Leu Tyr Glu Lys
 1 5 10 15

Phe Phe Pro Ala Val Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
 20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
 35 40

<210> 54
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic polypeptide

<220>
 <221> MOD_RES

<222> (7)..(7)
<223> Aib

<220>
<221> MOD_RES
<222> (17)..(17)
<223> Aib

<400> 54
Asp Tyr Leu Lys Glu Val Xaa Glu Lys Leu Arg Asp Leu Tyr Glu Lys
1 5 10 15

Xaa Phe Pro Ala Val Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 55
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
polypeptide

<400> 55
Asp Lys Val Lys Glu Phe Leu Ser Glu Tyr Trp Glu Lys Ala Lys Glu
1 5 10 15

Phe Ala Pro Ala Val Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val
20 25 30

Leu Ser Val Leu Lys Gly Glu Glu
35 40

<210> 56
<211> 40
<212> PRT
<213> Homo sapiens

<400> 56
Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
1 5 10 15

Ala Phe Pro Ala Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val

20

25

30

Leu Ser Val Leu Lys Gly Glu Glu
 35 40

<210> 57
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 57
 Thr Tyr Leu Pro Ala Val Asp Glu Lys Leu Arg Asp Leu Tyr Ser Lys
 1 5 10 15

Ser Thr Ala

<210> 58
 <211> 19
 <212> PRT
 <213> Pan troglodytes

<400> 58
 Thr Tyr Leu Pro Ala Val Asp Glu Lys Leu Arg Asp Leu Tyr Ser Lys
 1 5 10 15

Ser Thr Ala

<210> 59
 <211> 19
 <212> PRT
 <213> Macaca fascicularis

<400> 59
 Thr Tyr Leu Pro Ala Val Asp Glu Lys Leu Arg Asp Leu Tyr Ser Lys
 1 5 10 15

Ser Thr Ala

<210> 60
 <211> 19
 <212> PRT
 <213> Macaca mulatta

<400> 60

Thr	Tyr	Leu	Pro	Ala	Val	Asp	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys
1				5					10					15	

Ser Thr Ala

<210> 61

<211> 19

<212> PRT

<213> Papio hamadryas

<400> 61

Thr	Tyr	Leu	Pro	Ala	Val	Asp	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys
1				5					10					15	

Ser Thr Ala

<210> 62

<211> 19

<212> PRT

<213> Callithrix jacchus

<400> 62

Thr	Tyr	Leu	His	Thr	Val	Asp	Glu	Lys	Leu	Arg	Asp	Met	Tyr	Ser	Lys
1				5					10					15	

Ser Thr Ala

<210> 63

<211> 19

<212> PRT

<213> Mus musculus

<400> 63

Thr	Tyr	Pro	Ile	Ser	Met	Asp	Glu	Lys	Leu	Arg	Asp	Met	Tyr	Ser	Lys
1				5					10					15	

Ser Ser Ala

<210> 64

<211> 19

<212> PRT

<213> Rattus norvegicus

<400> 64

Thr	Tyr	Leu	Thr	Ser	Val	Asp	Glu	Lys	Leu	Arg	Asp	Met	Tyr	Ser	Lys
1				5					10					15	

Ser Ser Ala

<210> 65

<211> 19

<212> PRT

<213> Canis lupus familiaris

<400> 65

Ala	Tyr	Pro	Thr	Thr	Met	Asp	Glu	Lys	Ile	Arg	Asp	Ile	Tyr	Ser	Lys
1				5					10					15	

Ser Thr Ala

<210> 66

<211> 19

<212> PRT

<213> Bos taurus

<400> 66

Thr	Tyr	Leu	Pro	Ala	Val	Asp	Glu	Lys	Ile	Arg	Asp	Ile	Tyr	Ser	Lys
1				5					10					15	

Ser Thr Ala

<210> 67

<211> 19

<212> PRT

<213> Sus scrofa

<400> 67

Thr	Tyr	Leu	Pro	Thr	Val	Asp	Glu	Lys	Ile	Arg	Asp	Met	Tyr	Ser	Lys
1				5					10					15	

Ser Thr Ala

<210> 68

<211> 19
 <212> PRT
 <213> *Cavia porcellus*

<400> 68
 Thr Tyr Leu Pro Ala Val Asp Glu Thr Ile Arg Asp Ile Tyr Ser Lys
 1 5 10 15

Gly Ser Ala

<210> 69
 <211> 18
 <212> PRT
 <213> *Homo sapiens*

<400> 69
 Thr Tyr Leu Pro Ala Val Asp Glu Lys Leu Arg Asp Leu Tyr Ser Lys
 1 5 10 15

Ser Thr

<210> 70
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 70
 Asp Tyr Leu Lys Ala Val Phe Glu Lys Leu Arg Asp Leu Tyr Ser Lys
 1 5 10 15

Phe Thr

<210> 71
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 71

Asp	Tyr	Leu	Lys	Glu	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys
1				5					10					15	

Phe Thr

<210> 72

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 72

Asp	Tyr	Leu	Lys	Glu	Val	Phe	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Glu	Lys
1				5					10					15	

Phe Thr

<210> 73

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 73

Asp	Tyr	Leu	Asp	Ala	Val	Trp	Glu	Lys	Leu	Arg	Asp	Leu	Tyr	Ser	Lys
1				5					10					15	

Phe Thr