

SEQUENCE LISTING

<110> Scancell Limited

<120> Anti-Tumour Immune Responses

<130> P134957W0

<160> 59

<170> PatentIn version 3.5

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Ala	Lys	Phe	Ile	Asn	Tyr	Val	Lys	Asn	Cys	Phe	Arg	Met	Thr	Asp
1				5					10					15

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Ala	Lys	Phe	Ile	Asn	Tyr	Val	Lys	Asn	Cys	Phe	Arg	Met	Thr	Asp	Gln
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Glu	Ala	Ile	Gln
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Leu Pro Lys Val Glu Ala Lys Phe Ile Asn Tyr Val Lys Asn Cys Phe
1 5 10 15

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

Tyr Leu Phe Gly
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<210> 5
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Pro Leu Arg Pro Gln Asn Tyr Leu Phe
1 5

<210> 6
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Met Asp Met Ser Pro Leu Arg Pro Gln
1 5

<210> 7

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<400> 7

Met Asp Met Asp Met Ser Pro Leu Arg
1 5

<210> 8

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<400> 8

Leu Arg Pro Gln Asn Tyr Leu Phe Gly
1 5

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Asp Met Asp Met Ser Pro Leu Arg Pro Gln Asn Tyr Leu Phe Gly Cys
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Glu Leu Lys Ala
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Phe Lys Val Asp Asn Asp Glu Asn Glu His Gln Leu Ser Leu Arg Thr
1 5 10 15

Val Ser Leu Gly
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<400> 11

Gln Leu Ser Leu Arg Thr Val Ser Leu
1 5

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Asp Glu Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser Leu Gly Ala
1 5 10 15

Gly Ala Lys Asp
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<400> 13

Leu Ser Leu Arg Thr Val Ser Leu Gly
1 5

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<400> 14

Gln Leu Ser Leu Arg Thr Val Ser Leu Gly Ala Gly Ala Lys Asp Glu
1 5 10 15

Leu His Ile Val
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<210> 15
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<400> 15

Leu Arg Thr Val Ser Leu Gly Ala Gly
1 5

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Thr Val Ser Leu Gly Gly Phe Glu Ile Thr Pro Pro Val Val Leu Arg
1 5 10 15

Leu Lys Cys Gly
20

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Gly Phe Glu Thr Pro Pro Val Val Leu Arg Leu Lys Cys Gly Ser Gly
1 5 10 15

Pro Val His

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<400> 18

Pro Pro Val Val Leu Arg Leu Lys Cys Gly Ser Gly Pro Val His Ile
1 5 10 15

Ser Gly Gln His
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<210> 19
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<400> 19

Arg Leu Lys Cys Gly Ser Gly Pro Val

1 5

<210> 20
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<400> 20

Val Leu Arg Leu Lys Cys Gly Ser Gly
1 5

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Glu Asp Glu Glu Glu Glu Asp Val Lys Leu Leu Ser Ile Ser Gly Lys
1 5 10 15

Arg Ser Ala Pro
20

<210> 22
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<400> 22

Leu Leu Ser Ile Ser Gly Lys Arg Ser
1 5

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

Gly Gly Ser Lys
20

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<400> 24

Ile Ser Gly Lys Arg Ser Ala Pro Gly
1 5

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<400> 25

Leu Ser Ile Ser Gly Lys Arg Ser Ala Pro Gly Gly Gly Ser Lys Val
1 5 10 15

Pro Gln Lys Lys
20

<210> 26
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<400> 26

Leu Ser Ile Ser Gly Lys Arg Ser Ala
1 5

<210> 27
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<400> 27

Phe Asp Asp Glu Glu Ala Glu Glu Lys Ala Pro Val Lys Lys Ser Ile
1 5 10 15

Arg Asp Thr Pro
20

<210> 28
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<400> 28

Val Lys Lys Ser Ile Arg Asp Thr Pro
1 5

<210> 29
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<400> 29

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

Lys Asn Ala Gln
20

<210> 30
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<212> PRT
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<400> 30

Arg Asp Thr Pro Ala Lys Asn Ala Gln
1 5

<210> 31
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<400> 31

Ile Arg Asp Thr Pro Ala Lys Asn Ala
1 5

<210> 32
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<400> 32

Pro Val Lys Lys Ser Ile Arg Asp Thr Pro Ala Lys Asn Ala Gln Lys
1 5 10 15

Ser Asn Gln Asn
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<210> 33
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Lys Ser Asn Gln Asn Gly Lys Asp Ser Lys Pro Ser Ser Thr Pro Arg
1 5 10 15

Ser Lys Gly Gln
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<400> 34

Ser Ser Thr Pro Arg Ser Lys Gly Gln
1 5

<210> 35

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<400> 35

Pro Ser Ser Thr Pro Arg Ser Lys Gly
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<210> 36

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<400> 36

Ser Lys Pro Ser Ser Thr Pro Arg Ser
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<210> 37

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Gly Lys Asp Ser Lys Pro Ser Ser Thr Pro Arg Ser Lys Gly Gln Glu
1 5 10 15

Ser Phe Lys Lys
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<212> PRT

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<400> 38

Arg Ser Lys Gly Gln Glu Ser Phe Lys
1 5

<210> 39

<211> 9

<212> PRT

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<400> 39

Pro Arg Ser Lys Gly Gln Glu Ser Phe
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1 5 10 15

Glu Lys Thr Pro
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<400> 41

Leu Pro Lys Val Glu Ala Lys Phe Ile Asn Tyr Val Lys Asn Cys Phe
1 5 10 15

Arg Met Thr Asp
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<400> 42

Tyr Val Lys Asn Cys Phe Arg Met Thr
1 5

<210> 43
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<212> PRT
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<400> 43

Ile Asn Tyr Val Lys Asn Cys Phe Arg
1 5

<210> 44
<211> 15
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Ala	Lys	Phe	Ile	Asn	Tyr	Val	Lys	Asn	Cys	Phe	Arg	Met	Thr	Asp
1				5					10					15

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<400> 45

Ala	Lys	Phe	Ile	Asn	Tyr	Val	Lys	Asn	Cys	Phe	Arg	Met	Thr	Asp	Gln
1				5					10					15	

Glu	Ala	Ile	Gln
			20

<210> 46

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<400> 46

Phe	Arg	Met	Thr	Asp	Gln	Glu	Ala	Ile
1				5				

<210> 47

<211> 20

<212> PRT

<213> homo sapien

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<223> citrulline

<400> 47

Tyr	Val	Lys	Asn	Cys	Phe	Arg	Met	Thr	Asp	Gln	Glu	Ala	Ile	Gln	Asp
1				5					10					15	

Leu Trp Gln Trp
20

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<212> PRT
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<400> 48

Cys Phe Arg Met Thr Asp Gln Glu Ala
1 5

<210> 49
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<400> 49

Phe Arg Met Thr Asp Gln Glu Ala Ile Gln Asp Leu Trp Gln Trp Arg
1 5 10 15

Lys Ser Leu

<210> 50
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<400> 50

Met Glu Asp Ser Met Asp Met Asp Met Ser Pro Leu Arg Pro Gln Asn
1 5 10 15

Tyr Leu Phe Gly Cys Glu Leu Lys Ala Asp Lys Asp Tyr His Phe Lys

20

25

30

Val Asp Asn Asp Glu Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser
 35 40 45

Leu Gly Ala Gly Ala Lys Asp Glu Leu His Ile Val Glu Ala Glu Ala
 50 55 60

Met Asn Tyr Glu Gly Ser Pro Ile Lys Val Thr Leu Ala Thr Leu Lys
 65 70 75 80

Met Ser Val Gln Pro Thr Val Ser Leu Gly Gly Phe Glu Ile Thr Pro
 85 90 95

Pro Val Val Leu Arg Leu Lys Cys Gly Ser Gly Pro Val His Ile Ser
 100 105 110

Gly Gln His Leu Val Ala Val Glu Glu Asp Ala Glu Ser Glu Asp Glu
 115 120 125

Glu Glu Glu Asp Val Lys Leu Leu Ser Ile Ser Gly Lys Arg Ser Ala
 130 135 140

Pro Gly Gly Gly Ser Lys Val Pro Gln Lys Lys Val Lys Leu Ala Ala
 145 150 155 160

Asp Glu Asp Asp Asp Asp Asp Asp Glu Glu Asp Asp Asp Glu Asp Asp
 165 170 175

Asp Asp Asp Asp Phe Asp Asp Glu Glu Ala Glu Glu Lys Ala Pro Val
 180 185 190

Lys Lys Ser Ile Arg Asp Thr Pro Ala Lys Asn Ala Gln Lys Ser Asn
 195 200 205

Gln Asn Gly Lys Asp Ser Lys Pro Ser Ser Thr Pro Arg Ser Lys Gly
 210 215 220

Gln Glu Ser Phe Lys Lys Gln Glu Lys Thr Pro Lys Thr Pro Lys Gly
 225 230 235 240

Pro Ser Ser Val Glu Asp Ile Lys Ala Lys Met Gln Ala Ser Ile Glu
245 250 255

Lys Gly Gly Ser Leu Pro Lys Val Glu Ala Lys Phe Ile Asn Tyr Val
260 265 270

Lys Asn Cys Phe Arg Met Thr Asp Gln Glu Ala Ile Gln Asp Leu Trp
275 280 285

Gln Trp Arg Lys Ser Leu
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<210> 51
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<400> 51

Met Glu Asp Ser Met Asp Met Asp Met Ser Pro Leu Arg Pro Gln Asn
1 5 10 15

Tyr Leu Phe Gly Cys Glu Leu Lys Ala Asp Lys Asp Tyr His Phe Lys
20 25 30

Val Asp Asn Asp Glu Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser
35 40 45

Leu Gly Ala Gly Ala Lys Asp Glu Leu His Ile Val Glu Ala Glu Ala
50 55 60

Met Asn Tyr Glu Gly Ser Pro Ile Lys Val Thr Leu Ala Thr Leu Lys
65 70 75 80

Met Ser Val Gln Pro Thr Val Ser Leu Gly Gly Phe Glu Ile Thr Pro
85 90 95

Pro Val Val Leu Arg Leu Lys Cys Gly Ser Gly Pro Val His Ile Ser
100 105 110

Gly Gln His Leu Val Ala Val Glu Glu Asp Ala Glu Ser Glu Asp Glu
115 120 125

Glu Glu Glu Asp Val Lys Leu Leu Ser Ile Ser Gly Lys Arg Ser Ala
130 135 140

Pro Gly Gly Gly Ser Lys Val Pro Gln Lys Lys Val Lys Leu Ala Ala
145 150 155 160

Asp Glu Asp Asp Asp Asp Asp Asp Glu Glu Asp Asp Asp Glu Asp Asp
165 170 175

Asp Asp Asp Asp Phe Asp Asp Glu Glu Ala Glu Glu Lys Ala Pro Val
180 185 190

Lys Lys Ser Ile Arg Asp Thr Pro Ala Lys Asn Ala Gln Lys Ser Asn
195 200 205

Gln Asn Gly Lys Asp Ser Lys Pro Ser Ser Thr Pro Arg Ser Lys Gly
210 215 220

Gln Glu Ser Phe Lys Lys Gln Glu Lys Thr Pro Lys Thr Pro Lys Gly
225 230 235 240

Pro Ser Ser Val Glu Asp Ile Lys Ala Lys Met Gln Ala Ser Ile Glu
245 250 255

Lys Ala His

<210> 52
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<400> 52

Met Glu Asp Ser Met Asp Met Asp Met Ser Pro Leu Arg Pro Gln Asn
1 5 10 15

Tyr Leu Phe Gly Cys Glu Leu Lys Ala Asp Lys Asp Tyr His Phe Lys
20 25 30

Val Asp Asn Asp Glu Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser

35

40

45

Leu Gly Ala Gly Ala Lys Asp Glu Leu His Ile Val Glu Ala Glu Ala
 50 55 60

Met Asn Tyr Glu Gly Ser Pro Ile Lys Val Thr Leu Ala Thr Leu Lys
 65 70 75 80

Met Ser Val Gln Pro Thr Val Ser Leu Gly Gly Phe Glu Ile Thr Pro
 85 90 95

Pro Val Val Leu Arg Leu Lys Cys Gly Ser Gly Pro Val His Ile Ser
 100 105 110

Gly Gln His Leu Val Ala Val Glu Glu Asp Ala Glu Ser Glu Asp Glu
 115 120 125

Glu Glu Glu Asp Val Lys Leu Leu Ser Ile Ser Gly Lys Arg Ser Ala
 130 135 140

Pro Gly Gly Gly Ser Lys Val Pro Gln Lys Lys Val Lys Leu Ala Ala
 145 150 155 160

Asp Glu Asp Asp Asp Asp Asp Asp Glu Glu Asp Asp Asp Glu Asp Asp
 165 170 175

Asp Asp Asp Asp Phe Asp Asp Glu Glu Ala Glu Glu Lys Ala Pro Val
 180 185 190

Lys Lys Gly Gln Glu Ser Phe Lys Lys Gln Glu Lys Thr Pro Lys Thr
 195 200 205

Pro Lys Gly Pro Ser Ser Val Glu Asp Ile Lys Ala Lys Met Gln Ala
 210 215 220

Ser Ile Glu Lys Gly Gly Ser Leu Pro Lys Val Glu Ala Lys Phe Ile
 225 230 235 240

Asn Tyr Val Lys Asn Cys Phe Arg Met Thr Asp Gln Glu Ala Ile Gln
 245 250 255

Asp Leu Trp Gln Trp Arg Lys Ser Leu
260 265

<210> 53
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<400> 53

Met Glu Asp Ser Asp Met Asp Met Ser Pro Leu Arg Pro Gln Asn Tyr
1 5 10 15

Leu Phe Gly Cys Glu Leu Lys Ala Asp Lys Asp Tyr His Phe Lys Val
20 25 30

Asp Asn Asp Glu Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser Leu
35 40 45

Gly Ala Gly Ala Lys Asp Glu Leu His Ile Val Glu Ala Glu Ala Met
50 55 60

Asn Tyr Glu Gly Ser Pro Ile Lys Val Thr Leu Ala Thr Leu Lys Met
65 70 75 80

Ser Val Gln Pro Thr Val Ser Leu Gly Gly Phe Glu Ile Thr Pro Pro
85 90 95

Val Val Leu Arg Leu Lys Cys Gly Ser Gly Pro Val His Ile Ser Gly
100 105 110

Gln His Leu Val Ala Val Glu Glu Asp Ala Glu Ser Glu Asp Glu Asp
115 120 125

Glu Glu Asp Val Lys Leu Leu Gly Met Ser Gly Lys Arg Ser Ala Pro
130 135 140

Gly Gly Gly Asn Lys Val Pro Gln Lys Lys Val Lys Leu Asp Glu Asp
145 150 155 160

Asp Glu Asp Asp Asp Glu Asp Asp Glu Asp Asp Glu Asp Asp Asp
165 170 175

Asp Asp Phe Asp Glu Glu Glu Thr Glu Glu Lys Val Pro Val Lys Lys
180 185 190

Ser Val Arg Asp Thr Pro Ala Lys Asn Ala Gln Lys Ser Asn Gln Asn
195 200 205

Gly Lys Asp Leu Lys Pro Ser Thr Pro Arg Ser Lys Gly Gln Glu Ser
210 215 220

Phe Lys Lys Gln Glu Lys Thr Pro Lys Thr Pro Lys Gly Pro Ser Ser
225 230 235 240

Val Glu Asp Ile Lys Ala Lys Met Gln Ala Ser Ile Glu Lys Gly Gly
245 250 255

Ser Leu Pro Lys Val Glu Ala Lys Phe Ile Asn Tyr Val Lys Asn Cys
260 265 270

Phe Arg Met Thr Asp Gln Glu Ala Ile Gln Asp Leu Trp Gln Trp Arg
275 280 285

Lys Ser Leu
290

<210> 54
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<400> 54

Met Glu Asp Ser Asp Met Asp Met Ser Pro Leu Arg Pro Gln Asn Tyr
1 5 10 15

Leu Phe Gly Cys Glu Leu Lys Ala Asp Arg Asp Tyr His Phe Lys Val
20 25 30

Asp Asn Asp Glu Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser Leu
35 40 45

Gly Ala Gly Ala Lys Asp Glu Leu His Val Val Glu Ala Glu Ala Met

50

55

60

Asn Tyr Glu Gly Ser Pro Ile Lys Val Thr Leu Ala Thr Leu Lys Met
65 70 75 80

Ser Val Gln Pro Thr Val Ser Leu Gly Gly Phe Glu Ile Thr Pro Pro
85 90 95

Val Val Leu Arg Leu Lys Cys Gly Ser Gly Pro Val His Ile Ser Gly
100 105 110

Gln His Leu Val Ala Val Glu Glu Asp Ala Glu Ser Glu Glu Glu Glu
115 120 125

Glu Glu Glu Val Lys Leu Leu Ser Ile Ser Gly Lys Arg Ser Ala Pro
130 135 140

Gly Ser Gly Ser Lys Val Pro Gln Lys Lys Val Lys Leu Ala Ala Asp
145 150 155 160

Glu Asp Glu Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Glu Asp
165 170 175

Asp Asp Asp Asp Asp Phe Asp Glu Glu Val Glu Glu Lys Ala Pro Val
180 185 190

Lys Lys Ser Val Arg Asp Thr Pro Ala Lys Asn Ala Gln Lys Ser Asn
195 200 205

Gln Asn Gly Lys Asp Ser Lys Pro Ser Thr Pro Arg Ser Lys Gly Gln
210 215 220

Glu Ser Phe Lys Lys Gln Glu Lys Thr Pro Lys Thr Pro Arg Gly Pro
225 230 235 240

Ser Ser Val Glu Asp Ile Lys Ala Lys Met Gln Ala Ser Ile Glu Lys
245 250 255

Gly Gly Ser Leu Pro Lys Val Glu Ala Lys Phe Ile Asn Tyr Val Lys
260 265 270

Asn Cys Phe Arg Met Thr Asp Gln Glu Ala Ile Gln Asp Leu Trp Gln
275 280 285

Trp Arg Lys Ser Leu
290

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<400> 55

Met Glu Asp Ser Met Asp Met Asp Met Ser Pro Leu Arg Pro Gln Asn
1 5 10 15

Tyr Leu Phe Gly Cys Glu Leu Lys Ala Asp Lys Asp Tyr His Phe Lys
20 25 30

Val Asp Asn Asp Glu Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser
35 40 45

Leu Gly Ala Gly Ala Lys Asp Glu Leu His Ile Val Glu Ala Glu Ala
50 55 60

Met Asn Tyr Glu Gly Ser Pro Ile Lys Val Thr Leu Ala Thr Leu Lys
65 70 75 80

Met Ser Val Gln Pro Thr Val Ser Leu Gly Gly Phe Glu Ile Thr Pro
85 90 95

Pro Val Val Leu Arg Leu Lys Cys Gly Ser Gly Pro Val His Ile Ser
100 105 110

Gly Gln His Leu Val Ala Val Glu Glu Asp Ala Glu Ser Glu Asp Glu
115 120 125

Glu Glu Glu Asp Val Lys Leu Leu Ser Ile Ser Gly Lys Arg Ser Ala
130 135 140

Pro Gly Gly Gly Ser Lys Val Pro Gln Lys Lys Val Lys Leu Ala Ala
145 150 155 160

Asp Glu Asp Glu Asp Asp Asp Glu Asp Asp Asp Asp Asp Asp Glu Asp
165 170 175

Asp Asp Asp Asp Asp Phe Asp Asp Glu Glu Ala Glu Glu Lys Ala Pro
180 185 190

Val Lys Lys Ser Ile Arg Asp Thr Pro Ala Lys Asn Ala Gln Lys Ser
195 200 205

Asn Gln Asn Gly Lys Asp Ser Lys Pro Ser Thr Pro Arg Ser Lys Gly
210 215 220

Gln Glu Ser Phe Lys Lys Gln Glu Lys Thr Pro Lys Thr Pro Lys Gly
225 230 235 240

Pro Ser Ser Val Glu Asp Ile Lys Ala Lys Met Gln Ala Ser Ile Glu
245 250 255

Lys Gly Gly Ser Leu Pro Lys Val Glu Ala Lys Phe Ile Asn Tyr Val
260 265 270

Lys Asn Cys Phe Arg Met Thr Asp Gln Glu Ala Ile Gln Asp Leu Trp
275 280 285

Gln Trp Arg Lys Ser Leu
290

<210> 56
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<400> 56

Met Glu Asp Ser Met Asp Met Asp Ser Pro Leu Arg Pro Gln Asn Tyr
1 5 10 15

Leu Phe Gly Cys Glu Leu Lys Ala Asp Lys Asp Tyr His Phe Lys Val
20 25 30

Asp Asn Asp Glu Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser Leu

35

40

45

Gly Ala Gly Ala Lys Asp Glu Leu His Ile Val Glu Ala Glu Ala Met
50 55 60

Asn Tyr Glu Gly Ser Pro Ile Lys Val Thr Leu Ala Thr Leu Lys Met
65 70 75 80

Ser Val Gln Pro Thr Val Ser Leu Gly Gly Phe Glu Ile Thr Pro Pro
85 90 95

Val Val Leu Arg Leu Lys Cys Gly Ser Gly Pro Val His Ile Ser Gly
100 105 110

Gln His Leu Val Ala Val Glu Glu Asp Ala Glu Ser Glu Asp Glu Glu
115 120 125

Glu Glu Asp Val Lys Leu Leu Ser Ile Ser Gly Lys Arg Ser Ala Pro
130 135 140

Gly Ser Gly Ser Lys Val Pro Gln Lys Lys Val Lys Leu Ala Ala Asp
145 150 155 160

Glu Asp Asp Asp Asp Glu Asp Asp Asp Glu Asp Asp Asp Glu Asp Asp
165 170 175

Asp Asp Asp Asp Phe Asp Glu Glu Glu Ala Glu Glu Lys Ala Pro Val
180 185 190

Lys Lys Ser Ile Arg Asp Thr Pro Ala Lys Asn Ala Gln Lys Ser Asn
195 200 205

Gln Asn Gly Lys Asp Ser Lys Pro Ser Thr Pro Arg Ser Lys Gly Gln
210 215 220

Glu Ser Phe Lys Lys Gln Glu Lys Thr Pro Lys Thr Pro Lys Gly Pro
225 230 235 240

Ser Ser Val Glu Asp Ile Lys Ala Lys Met Gln Ala Ser Ile Glu Lys
245 250 255

Gly Gly Ser Leu Pro Lys Val Glu Ala Lys Phe Ile Asn Tyr Val Lys
260 265 270

Asn Cys Phe Arg Met Thr Asp Gln Glu Ala Ile Gln Asp Leu Trp Gln
275 280 285

Trp Arg Lys Ser Leu
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<210> 57
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<400> 57

Met Glu Asp Ser Met Asp Met Asp Ser Pro Leu Arg Pro Gln Asn Tyr
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Leu Phe Gly Cys Glu Leu Lys Ala Asp Lys Asp Tyr His Phe Lys Val
20 25 30

Asp Asn Asp Glu Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser Leu
35 40 45

Gly Ala Gly Ala Lys Asp Glu Leu His Ile Val Glu Ala Glu Ala Met
50 55 60

Asn Tyr Glu Gly Ser Pro Ile Lys Val Thr Leu Ala Thr Leu Lys Met
65 70 75 80

Ser Val Gln Pro Thr Val Ser Leu Gly Gly Phe Glu Ile Thr Pro Pro
85 90 95

Val Val Leu Arg Leu Lys Cys Gly Ser Gly Pro Val His Ile Ser Gly
100 105 110

Gln His Leu Val Ala Val Glu Glu Asp Ala Glu Ser Glu Asp Glu Glu
115 120 125

Glu Glu Asp Val Lys Leu Leu Ser Ile Ser Gly Lys Arg Ser Ala Pro
130 135 140

Gly Ser Gly Ser Lys Val Pro Gln Lys Lys Val Lys Leu Ala Ala Asp
 145 150 155 160

Glu Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Asp Glu Asp Asp
 165 170 175

Asp Asp Asp Asp Phe Asp Asp Glu Glu Ala Glu Glu Lys Ala Pro Val
 180 185 190

Lys Lys Ser Ile Arg Asp Thr Pro Ala Lys Asn Ala Gln Lys Ser Asn
 195 200 205

Gln Asn Gly Lys Asp Ser Lys Pro Ser Thr Pro Arg Thr Lys Gly Gln
 210 215 220

Glu Ser Phe Lys Lys Gln Glu Lys Thr Pro Lys Thr Pro Lys Gly Pro
 225 230 235 240

Ser Ser Val Glu Asp Ile Lys Ala Lys Met Gln Ala Ser Ile Glu Lys
 245 250 255

Gly Gly Ser Leu Pro Lys Val Glu Ala Lys Phe Ile Asn Tyr Val Lys
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Asn Cys Phe Arg Met Thr Asp Gln Glu Ala Ile Gln Asp Leu Trp Gln
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