

674-99_ST25.txt
SEQUENCE LISTING

<110> BionTech AG et al.

<120> PREDICTING IMMUNOGENICITY OF T CELL EPITOPES

<130> 674-99

<160> 94

<170> PatentIn version 3.5

<210> 1

<211> 15

<212> PRT

<213> Artificial sequence

<220>

<223> Linker sequence

<220>

<221> REPEAT

<222> (1)..(3)

<223> Portion of sequence repeated a times, wherein a is independently a number selected from 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, or 20

<220>

<221> MISC_FEATURE

<222> (1)..(15)

<223> a + b + c + d + e are different from 0 and preferably are 2 or more, 3 or more, 4 or more or 5 or more

<220>

<221> REPEAT

<222> (4)..(6)

<223> Portion of sequence repeated b times, wherein b is independently a number selected from 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, or 20

<220>

<221> REPEAT

<222> (7)..(9)

<223> Portion of sequence repeated c times, wherein c is independently a number selected from 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, or 20

<220>

<221> REPEAT

<222> (10)..(12)

<223> Portion of sequence repeated d times, wherein d is independently a number selected from 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, or 20

<220>

<221> REPEAT

<222> (13)..(15)

<223> Portion of sequence repeated e times, wherein e is independently a number selected from 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, or 20

<400> 1

Gly Gly Ser Gly Ser Ser Gly Gly Gly Ser Ser Gly Gly Ser Gly
1 5 10 15

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<400> 2

Gly Gly Ser Gly Gly Gly Gly Ser Gly
 1 5

<210> 3
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<400> 3

Ala Ala Val Ile Leu Arg Asp Ala Leu His Met
 1 5 10

<210> 4
 <211> 11
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<400> 4

Ala Ala Val Ile Leu Arg Val Ala Leu His Met
 1 5 10

<210> 5
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<220>
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<400> 5

Gly Gly Pro Gly Ser Glu Lys Ser Leu
 1 5

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<400> 6

Gly Gly Pro Gly Ser Gly Lys Ser Leu
 1 5

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<210> 7
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<400> 7

Leu Ala Leu Pro Asn Asn Tyr Cys Asp Val
 1 5 10

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<400> 8

Leu Ala Leu Pro Asn Asn Tyr Cys Asp Phe
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<400> 9

Ser His Leu Asn Asn Asp Val Trp Gln Ile
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<400> 10

Ser His Leu Asn Asn Asp Phe Trp Gln Ile
 1 5 10

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<400> 11

Tyr Tyr Met Arg Asp Val Ile Ala Ile
1 5

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Tyr Tyr Met Arg Asp Val Thr Ala Ile
1 5

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Thr Tyr Leu Gln Pro Ala Gln Ala Gln Met
1 5 10

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<400> 14

Ile Tyr Leu Gln Pro Ala Gln Ala Gln Met
1 5 10

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<400> 15

Gln Ser Leu Gly Phe Thr Tyr Leu
1 5

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<400> 16

Gln Arg Leu Gly Phe Thr Tyr Leu
 1 5

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Glu Tyr Trp Ala Ser Arg Ala Leu Asp Ser
 1 5 10

<210> 18

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Glu Tyr Trp Ala Ser Arg Ala Leu Gly Ser
 1 5 10

<210> 19

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Gly Tyr Leu Gln Phe Ala Tyr Glu Gly Cys
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Gly Tyr Leu Gln Phe Ala Tyr Glu Gly Arg
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Val Thr Phe Gln Ala Phe Ile Asp Val Met Ser
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Val Thr Phe Gln Ala Phe Ile Asp Phe Met Ser
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Pro Tyr Leu Thr Ala Leu Asp Asp Leu Leu
1 5 10

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Pro Tyr Leu Thr Ala Leu Gly Asp Leu Leu
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Ala Gly Gly Leu Phe Val Ala Asp Ala Ile
1 5 10

<210> 26

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 Ala Gly Gly Leu Phe Val Ala Asp Glu Ile
 1 5 10

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 Val Gly Ile Asn Phe Leu Gln Ser Tyr Gln
 1 5 10

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 Val Gly Ile Asn Ser Leu Gln Ser Tyr Gln
 1 5 10

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 Thr Arg Pro Ala Arg Asp Gly Thr Phe
 1 5

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 Thr Arg Pro Ala Gly Asp Gly Thr Phe
 1 5

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<212> PRT
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Glu Pro Gln Ile Ala Met Asp Asp Met
 1 5

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Glu Pro Gln Ile Asp Met Asp Asp Met
 1 5

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Ile Ala Met Gln Asn Thr Thr Gln Leu
 1 5

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<400> 34

Ile Ala Ile Gln Asn Thr Thr Gln Leu
 1 5

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<400> 35

Ala Ile Tyr His His Ala Ser Arg Ala Ile
 1 5 10

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Ala Ile Tyr Tyr His Ala Ser Arg Ala Ile
 1 5 10

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<400> 37

Ser Tyr Ile Ala Leu Val Asp Lys Asn Ile
 1 5 10

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<400> 38

Ser Tyr Leu Ala Leu Val Asp Lys Asn Ile
 1 5 10

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<400> 39

Val Ile Pro Ile Leu Glu Met Gln Phe
 1 5

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<400> 40

Val Ile Pro Ile Leu Glu Val Gln Phe
 1 5

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<400> 41

Gly Tyr Leu Gln Phe Ala Tyr Asp Gly Arg
 1 5 10

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<400> 42

Gly Tyr Leu Gln Phe Ala Tyr Glu Gly Arg
 1 5 10

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<400> 43

Val Tyr Leu Asn Leu Leu Leu Lys Phe Thr
 1 5 10

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<400> 44

Val Tyr Leu Asn Leu Phe Leu Lys Phe Thr
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<400> 45

Lys Ile Phe Ser Glu Val Thr Leu Lys
1 5

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<400> 46

Lys Ile Phe Ser Glu Val Thr Pro Lys
1 5

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<400> 47

Ser His Glu Thr Val Ile Ile Glu Leu
1 5

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Ser His Glu Thr Val Thr Ile Glu Leu
1 5

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Phe Leu Asp Glu Phe Met Glu Gly Val
1 5

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Phe Leu Asp Glu Phe Met Glu Ala Val
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Arg Pro His Val Pro Glu Ser Ala Phe
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Gly Pro His Val Pro Glu Ser Ala Phe
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Leu Leu Leu Asp Asp Leu Leu Val Ser Ile
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Leu Leu Leu Asp Asp Ser Leu Val Ser Ile
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Ile Leu Asp Thr Ala Gly Arg Glu Glu Tyr
1 5 10

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Ile Leu Asp Thr Ala Gly Gln Glu Glu Tyr
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<400> 57

Glu Thr Val Ser Glu Gln Ser Asn Val
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Glu Thr Val Ser Glu Glu Ser Asn Val
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Lys Ile Leu Asp Ala Val Val Ala Gln Lys
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Lys Ile Leu Asp Ala Val Val Ala Gln Glu
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Lys Ile Asn Lys Asn Pro Lys Tyr Lys
1 5

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<400> 62

Glu Ile Asn Lys Asn Pro Lys Tyr Lys
1 5

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Tyr Val Asp Phe Arg Glu Tyr Glu Tyr Tyr
1 5 10

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<400> 64

Tyr Val Asp Phe Arg Glu Tyr Glu Tyr Asp
1 5 10

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<400> 65

Ser Tyr Leu Asp Ser Gly Ile His Phe
 1 5

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<400> 66

Ser Tyr Leu Asp Ser Gly Ile His Ser
 1 5

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Lys Glu Leu Glu Gly Ile Leu Leu Leu
 1 5

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<400> 68

Lys Glu Leu Glu Gly Ile Leu Leu Pro
 1 5

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Thr Leu Asp Trp Leu Leu Gln Thr Pro Lys
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Thr Leu Gly Trp Leu Leu Gln Thr Pro Lys
 1 5 10

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<400> 71

Phe Ile Ala Ser Asn Gly Val Lys Leu Val
 1 5 10

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Phe Ile Ala Ser Lys Gly Val Lys Leu Val
 1 5 10

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Val Val Pro Cys Glu Pro Pro Glu Val
 1 5

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<400> 74

Val Val Pro Tyr Glu Pro Pro Glu Val
 1 5

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Ala Cys Asp Pro His Ser Gly His Phe Val
 1 5 10

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<400> 76

Ala Arg Asp Pro His Ser Gly His Phe Val
 1 5 10

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Val Val Val Gly Ala Val Gly Val Gly
 1 5

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Val Val Val Gly Ala Gly Gly Val Gly
 1 5

<210> 79
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<400> 79

Gly Leu Ala Gly Gly Leu Leu Ala Leu
1 5

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<400> 80

Val Leu Phe Trp Gly Leu Leu Leu Leu
1 5

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<400> 81

Gly Ile Leu Gly Trp Val Leu Tyr Leu
1 5

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<400> 82

Val Leu Phe Trp Gly Leu Leu Phe Tyr
1 5

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<400> 83

Gly Leu Ala Gly Gly Leu Leu Ala Tyr
1 5

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Val Ile Phe Trp Gly Leu Leu Val Leu
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Lys Ile Leu Asp Ala Val Val Ala Gln Glu
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<400> 86

Lys Ile Leu Asp Ala Val Val Ala Gln Lys
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Gln His Ser Ala Ala Pro Gly Pro Pro
 1 5

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Gln His Ser Ala Ala Pro Gly Pro Leu
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Glu Ile Asn Lys Asn Pro Lys Tyr Lys
1 5

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<400> 90

Lys Ile Asn Lys Asn Pro Lys Tyr Lys
1 5

<210> 91

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<400> 91

Tyr Val Asp Phe Arg Glu Tyr Glu Tyr Asp
1 5 10

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<400> 92

Tyr Val Asp Phe Arg Glu Tyr Glu Tyr Tyr
1 5 10

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<400> 93

Ser Tyr Leu Asp Ser Gly Ile His Ser
1 5

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674-99_ST25.txt

<220>

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<400> 94

Ser Tyr Leu Asp Ser Gly Ile His Phe
1 5