SEQUENCE LISTING

<110> GENENTECH, INC.
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YU, Xin
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<120> METHODS OF TREATING CANCER USING PD-1
AXIS BINDING ANTAGONISTS AND TIGIT INHIBITORS

<130> 14639-2025940

<140> Not yet Assigned
<141> Concurrently Herewith

<150> US 61/846,941
<151> 2013-07-16

<150> US 61/865,582
<151> 2013-08-13

<150> US 61/950,754
<151> 2014-03-10

<150> US 61/985,884
<151> 2014-04-29

<150> US 61/992,109
<151> 2014-05-12

<160> 49

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 17
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<400> 1
Lys Ser Ser Gln Ser Leu Tyr Tyr Ser Gly Val Lys Glu Asn Leu Leu
1 5 10 15
Ala

<210> 2

<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 2
Ala Ser Ile Arg Phe Thr
 1   5

<210> 3
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 3
Gln Gln Gly Ile Asn Asn Pro Leu Thr
 1   5

<210> 4
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 4
Gly Phe Thr Phe Ser Ser Phe Thr Met His
 1   5   10

<210> 5
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 5
Phe Ile Arg Ser Gly Ser Gly Ile Val Phe Tyr Ala Asp Ala Val Arg
 1   5   10   15
Gly

<210> 6
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 6
Arg Pro Leu Gly His Asn Thr Phe Asp Ser
 1   5   10

<210> 7
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 7
Arg Ser Ser Gln Ser Leu Val Asn Ser Tyr Gly Asn Thr Phe Leu Ser
 1   5   10   15

<210> 8
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 8
Gly Ile Ser Asn Arg Phe Ser
 1   5

<210> 9
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 9
Leu Gln Gly Thr His Gln Pro Pro Thr
 1   5

<210> 10
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<400> 10
Gly Tyr Ser Phe Thr Gly His Leu Met Asn
 1   5   10

<210> 11
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 11
Leu Ile Ile Pro Tyr Asn Gly Gly Thr Ser Tyr Asn Gln Lys Phe Lys
 1   5   10   15
Gly

<210> 12
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 12
Gly Leu Arg Gly Phe Tyr Ala Met Asp Tyr
 1   5   10

<210> 13
<211> 114
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 13
Asp Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ala Val Ser Pro Gly
 1   5   10   15
Glu Lys Val Thr Met Thr Cys Lys Ser Ser Gln Ser Leu Tyr Tyr Ser
            20   25   30
Gly Val Lys Glu Asn Leu Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
        35   40   45
Ser Pro Lys Leu Leu Ile Tyr Tyr Ala Ser Ile Arg Phe Thr Gly Val
    50   55   60
Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr
65   70   75   80
Ile Thr Ser Val Gln Ala Glu Asp Met Gly Gln Tyr Phe Cys Gln Gln
                85   90   95
Gly Ile Asn Asn Pro Leu Thr Phe Gly Asp Gly Thr Lys Leu Glu Ile
            100   105   110
Lys Arg

<210> 14

<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 14
Asp Val Val Leu Thr Gln Thr Pro Leu Ser Leu Ser Val Ser Phe Gly
 1   5   10   15
Asp Gln Val Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val Asn Ser
            20   25   30
Tyr Gly Asn Thr Phe Leu Ser Trp Tyr Leu His Lys Pro Gly Gln Ser
        35   40   45
Pro Gln Leu Leu Ile Phe Gly Ile Ser Asn Arg Phe Ser Gly Val Pro
    50   55   60
Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
65   70   75   80
Ser Thr Ile Lys Pro Glu Asp Leu Gly Met Tyr Tyr Cys Leu Gln Gly
                85   90   95
Thr His Gln Pro Pro Thr Phe Gly Pro Gly Thr Lys Leu Glu Val Lys
            100   105   110

<210> 15
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 15
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Thr Gln Pro Gly Lys
 1   5   10   15
Ser Leu Lys Leu Ser Cys Glu Ala Ser Gly Phe Thr Phe Ser Ser Phe
            20   25   30
Thr Met His Trp Val Arg Gln Ser Pro Gly Lys Gly Leu Glu Trp Val
        35   40   45
Ala Phe Ile Arg Ser Gly Ser Gly Ile Val Phe Tyr Ala Asp Ala Val
    50   55   60
Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Leu Leu Phe
65   70   75   80
Leu Gln Met Asn Asp Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys
                85   90   95
Ala Arg Arg Pro Leu Gly His Asn Thr Phe Asp Ser Trp Gly Gln Gly
            100   105   110
Thr Leu Val Thr Val Ser Ser
        115

<210> 16
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 16
Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Thr
 1   5   10   15
Ser Met Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly His
            20   25   30
Leu Met Asn Trp Val Lys Gln Ser His Gly Lys Asn Leu Glu Trp Ile
        35   40   45
Gly Leu Ile Ile Pro Tyr Asn Gly Gly Thr Ser Tyr Asn Gln Lys Phe
    50   55   60
Lys Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
65   70   75   80
Met Glu Leu Leu Ser Leu Thr Ser Asp Asp Ser Ala Val Tyr Phe Cys
                85   90   95
Ser Arg Gly Leu Arg Gly Phe Tyr Ala Met Asp Tyr Trp Gly Gln Gly
            100   105   110
Thr Ser Val Thr Val Ser Ser
        115

<210> 17
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<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 17
Gly Phe Thr Phe Ser Asp Ser Trp Ile His
 1   5   10

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

<220>
<223> Synthetic Construct

<400> 18
Ala Trp Ile Ser Pro Tyr Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 1   5   10   15
Lys Gly

<210> 19
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 19
Arg His Trp Pro Gly Gly Phe Asp Tyr

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 1               5


<210> 20
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 20
Arg Ala Ser Gln Asp Val Ser Thr Ala Val Ala
 1               5                  10


<210> 21
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 21
Ser Ala Ser Phe Leu Tyr Ser
 1               5


<210> 22
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 22
Gln Gln Tyr Leu Tyr His Pro Ala Thr
 1               5


<210> 23
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 23
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1               5                  10                  15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Ser
            20                  25                  30
Trp Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45
Ala Trp Ile Ser Pro Tyr Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
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    50                  55                  60
Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr
65                  70                  75                  80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
Ala Arg Arg His Trp Pro Gly Gly Phe Asp Tyr Trp Gly Gln Gly Thr
            100                 105                 110
Leu Val Thr Val Ser Ala
        115
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<210> 24
<211> 108
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 24

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Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1               5                  10                  15
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Val Ser Thr Ala
            20                  25                  30
Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45
Tyr Ser Ala Ser Phe Leu Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80
Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Leu Tyr His Pro Ala
                85                  90                  95
Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
            100                 105
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<210> 25
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 25

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1               5                  10                  15
Ser Leu Arg Leu Ser Cys Ala Ala Ser
            20                  25
```

<210> 26
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 26
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 1   5   10

<210> 27
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 27
Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr Leu Gln
 1   5   10   15
Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg
            20   25   30

<210> 28
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 28
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ala
 1   5   10

<210> 29
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 29
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1   5   10   15
Asp Arg Val Thr Ile Thr Cys
            20

<210> 30
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 30

Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
 1   5   10   15

<210> 31
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 31
Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
 1   5   10   15
Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
            20   25   30

<210> 32
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 32
Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
 1   5   10

<210> 33
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> VARIANT
<222> 6
<223> Xaa = Asp or Gly

<400> 33
Gly Phe Thr Phe Ser Xaa Ser Trp Ile His
 1   5   10

<210> 34
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> VARIANT
<222> 4
<223> Xaa = Ser or Leu

<220>
<221> VARIANT
<222> 10
<223> Xaa = Thr or Ser

<400> 34
Ala Trp Ile Xaa Pro Tyr Gly Gly Ser Xaa Tyr Tyr Ala Asp Ser Val
 1   5   10   15
Lys Gly

<210> 35
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> VARIANT
<222> 5
<223> Xaa = Asp or Val

<220>
<221> VARIANT
<222> 6
<223> Xaa = Val or Ile

<220>
<221> VARIANT
<222> 7
<223> Xaa = Ser or Asn

<220>
<221> VARIANT
<222> 9
<223> Xaa = Ala or Phe

<220>
<221> VARIANT
<222> 10
<223> Xaa = Val or Leu

<400> 35
Arg Ala Ser Gln Xaa Xaa Xaa Thr Xaa Xaa Ala
 1   5   10

<210> 36
<211> 7
<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> VARIANT
<222> 4
<223> Xaa = Phe or Thr

<220>
<221> VARIANT
<222> 6
<223> Xaa = Tyr or Ala

<400> 36
Ser Ala Ser Xaa Leu Xaa Ser
 1   5

<210> 37
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> VARIANT
<222> 3
<223> Xaa = Tyr, Gly, Phe, or Ser

<220>
<221> VARIANT
<222> 4
<223> Xaa = Leu, Tyr, Phe or Trp

<220>
<221> VARIANT
<222> 5
<223> Xaa = Tyr, Asn, Ala, Thr, Gly, Phe or Ile

<220>
<221> VARIANT
<222> 6
<223> Xaa = His, Val, Pro, Thr or Ile

<220>
<221> VARIANT
<222> 8
<223> Xaa = Ala, Trp, Arg, Pro or Thr

<400> 37
Gln Gln Xaa Xaa Xaa Xaa Pro Xaa Thr
 1   5

<210> 38
<211> 336
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 38
gatgttgtgt tgactcaaac tccactctcc ctgtctgtca gctttggaga tcaagtttct 60
atctcttgca ggtctagtca gagtcttgta aacagttatg ggaacacctt tttgtcttgg 120
tacctgcaca agcctggcca gtctccacag ctcctcatct ttgggatttc caacagattt 180
tctggggtgc cagacaggtt cagtggcagt ggttcaggga cagatttcac actcaagatc 240
agcacaataa agcctgagga cttgggaatg tattactgct tacaaggtac gcatcagcct 300
cccacgttcg gtcctgggac caagctggag gtgaaa 336

<210> 39
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 39
gaggtccagc tgcaacagtc tggacctgag ctggtgaagc ctggaacttc aatgaagata 60
tcctgcaagg cttctggtta ctcattcact ggccatctta tgaactgggt gaagcagagc 120
catggaaaga accttgagtg gattggactt attattcctt acaatggtgg tacaagctat 180
aaccagaagt tcaagggcaa ggccacattg actgtagaca agtcatccag cacagcctac 240
atggagctcc tcagtctgac ttctgatgac tctgcagtct atttctgttc aagaggcctt 300
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<210> 40
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 40
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1   5   10   15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Ser
            20   25   30
Trp Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35   40   45
Ala Trp Ile Ser Pro Tyr Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
    50   55   60
Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr
65   70   75   80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85   90   95
Ala Arg Arg His Trp Pro Gly Gly Phe Asp Tyr Trp Gly Gln Gly Thr
            100   105   110
Leu Val Thr Val Ser Ser Ala Ser Thr Lys
        115   120

<210> 41
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 41
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1   5   10   15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Ser
            20   25   30
Trp Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35   40   45
Ala Trp Ile Ser Pro Tyr Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
    50   55   60
Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr
65   70   75   80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85   90   95
Ala Arg Arg His Trp Pro Gly Gly Phe Asp Tyr Trp Gly Gln Gly Thr
            100   105   110
Leu Val Thr Val Ser Ser
        115

<210> 42
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 42
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 1   5   10

<210> 43
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 43
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1   5   10   15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
            20   25   30

<210> 44
<211> 14

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 44
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala
 1   5   10

<210> 45
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 45
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 1   5   10

<210> 46
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 46
Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 1   5   10

<210> 47
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 47
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys
 1   5   10   15

<210> 48
<211> 447
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 48
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1   5   10   15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Ser
            20   25   30
Trp Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35   40   45
Ala Trp Ile Ser Pro Tyr Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
    50   55   60
Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr
65   70   75   80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85   90   95
Ala Arg Arg His Trp Pro Gly Gly Phe Asp Tyr Trp Gly Gln Gly Thr
            100   105   110
Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
        115   120   125
Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
    130   135   140
Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
145   150   155   160
Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
                165   170   175
Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
            180   185   190
Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
        195   200   205
Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr
    210   215   220
His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
225   230   235   240
Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg
                245   250   255
Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro
            260   265   270
Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala
        275   280   285
Lys Thr Lys Pro Arg Glu Glu Gln Tyr Ala Ser Thr Tyr Arg Val Val
    290   295   300
Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr
305   310   315   320
Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr
                325   330   335
Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu
            340   345   350
Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys
        355   360   365
Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser
    370   375   380
Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp
385   390   395   400
Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser
                405   410   415
Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala
            420   425   430
Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
        435   440   445

<210> 49
<211> 214
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 49
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1   5   10   15
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Val Ser Thr Ala
            20   25   30
Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35   40   45
Tyr Ser Ala Ser Phe Leu Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly
    50   55   60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65   70   75   80
Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Leu Tyr His Pro Ala
                85   90   95
Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala
            100   105   110
Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
        115   120   125
Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
    130   135   140
Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
145   150   155   160
Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
                165   170   175
Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
            180   185   190
Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser
        195   200   205
Phe Asn Arg Gly Glu Cys
    210