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<110> Boehringer Ingelheim International GmbH

<120> POLYPEPTIDES ANTAGONIZING WNT SIGNALING IN TUMOR CELLS

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<400> 1
Thr Tyr Val Met Gly
1 5

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<220>
<223> CDR2 of F0129097A08

<400> 2
Ala Ile Ser Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15
Gly

<210> 3
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<220>
<223> CDR3 of F0129097A08

<400> 3
Ser Arg Gly Thr Ser Thr Pro Ser Arg Ala Ser Gly Val Ser Arg Tyr
1 5 10 15
Asp Tyr

<210> 4
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<213> Artificial Sequence

<220>
<223> CDR1 of F0129093A02

<400> 4
Arg Tyr Ala Val Ala
1 5

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

<220>
<223> CDR2 of F0129093A02

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

<210> 6
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<212> PRT
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<220>
<223> CDR3 of F0129093A02

<400> 6
Asp Arg Arg Pro Arg Ser Thr Gly Arg Ser Gly Thr Gly Ser Pro Ser
1 5 10 15
Thr Tyr Asp Tyr
20

<210> 7
<211> 5
<212> PRT
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<220>
<223> CDR1 of F0129046C10(E1A,N32G)

<400> 7
Ile Gly Ala Met Gly
1 5

<210> 8
<211> 16
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<213> Artificial Sequence

<220>
<223> CDR2 of F0129046C10(E1A,N32G)

<400> 8
Ala Val Ser Ser Gly Gly Ser Thr Tyr Tyr Val Asp Ser Val Lys Gly
1 5 10 15

<210> 9
<211> 12

<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3 of F0129046C10(E1A,N32G)

<400> 9
Glu Thr Gly Pro Tyr Gly Pro Pro Lys Arg Asp Tyr
1 5 10

<210> 10
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 of F0129046C10

<400> 10
Ile Asn Ala Met Gly
1 5

<210> 11
<211> 127
<212> PRT
<213> Artificial Sequence

<220>
<223> F0129097A08 (E1A, V23A) ISVD full sequence

<400> 11
Ala 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 Arg Thr Phe Ser Thr Tyr
20 25 30
Val Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
35 40 45
Ala Ala Ile Ser Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ala Ser Arg Gly Thr Ser Thr Pro Ser Arg Ala Ser Gly Val Ser
100 105 110
Arg Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 12
<211> 130
<212> PRT
<213> Artificial Sequence

<220>
<223> F0129093A02 ISVD full sequence

<400> 12
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 Leu Thr Phe Ser Arg Tyr

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            20                  25                  30
Ala Val Ala Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
        35                  40                  45
Ala Ala Ile Thr Trp Ser Ser Gly Arg Ile Asp Tyr Ala Asp Ser Val
    50                  55                  60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
65                  70                  75                  80
Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
Ala Ala Asp Arg Arg Pro Arg Ser Thr Gly Arg Ser Gly Thr Gly Ser
            100                 105                 110
Pro Ser Thr Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser
        115                 120                 125
Ser Ala
    130

<210> 13
<211> 120
<212> PRT
<213> Artificial Sequence


<220>
<223> F0129046C10(E1A,N32G) ISVD full sequence

<400> 13
Ala 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 Ser Ile Phe Arg Ile Gly
            20                  25                  30
Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45
Ala Ala Val Ser Ser Gly Gly Ser Thr Tyr Tyr Val Asp Ser Val Lys
    50                  55                  60
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr Leu
65                  70                  75                  80
Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95
Arg Glu Thr Gly Pro Tyr Gly Pro Pro Lys Arg Asp Tyr Trp Gly Gln
            100                 105                 110
Gly Thr Leu Val Thr Val Ser Ser
        115                 120

<210> 14
<211> 120
<212> PRT
<213> Artificial Sequence


<220>
<223> F0129046C10 ISVD full sequence

<400> 14
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 Ser Ile Phe Arg Ile Asn
            20                  25                  30
Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45
Ala Ala Val Ser Ser Gly Gly Ser Thr Tyr Tyr Val Asp Ser Val Lys
    50                  55                  60
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr Leu
65                  70                  75                  80
Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
```

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                85                  90                  95
Arg Glu Thr Gly Pro Tyr Gly Pro Pro Lys Arg Asp Tyr Trp Gly Gln
            100                 105                 110
Gly Thr Leu Val Thr Val Ser Ser
        115                 120

<210> 15
<211> 5
<212> PRT
<213> Artificial Sequence


<220>
<223> ALB11 CDR1

<400> 15
Ser Phe Gly Met Ser
1               5

<210> 16
<211> 17
<212> PRT
<213> Artificial Sequence


<220>
<223> ALB11 CDR2

<400> 16
Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys
1               5                   10                  15
Gly


<210> 17
<211> 6
<212> PRT
<213> Artificial Sequence


<220>
<223> ALB11 CDR3

<400> 17
Gly Gly Ser Leu Ser Arg
1               5

<210> 18
<211> 432
<212> PRT
<213> Artificial Sequence


<220>
<223> F012900082 full sequence

<400> 18
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 Val Ala Ser Gly Arg Thr Phe Ser Thr Tyr
            20                  25                  30
Val Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
        35                  40                  45
Ala Ala Ile Ser Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
```

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

<210> 19
<211> 435
<212> PRT
<213> Artificial Sequence

<220>
<223> F012900135 full sequence

<400> 19

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Ala 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 Ser Ile Phe Arg Ile Gly
            20                  25                  30
```

```
Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
        35                  40                  45
Ala Ala Val Ser Ser Gly Gly Ser Thr Tyr Tyr Val Asp Ser Val Lys
    50                  55                  60
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr Leu
65                  70                  75                  80
Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
                85                  90                  95
Arg Glu Thr Gly Pro Tyr Gly Pro Pro Lys Arg Asp Tyr Trp Gly Gln
            100                 105                 110
Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125
Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
    130                 135                 140
Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val
145                 150                 155                 160
Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn Ser Leu Arg Leu Ser
                165                 170                 175
Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe Gly Met Ser Trp Val
            180                 185                 190
Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Ser Ile Ser Gly
        195                 200                 205
Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr
    210                 215                 220
Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln Met Asn Ser
225                 230                 235                 240
Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile Gly Gly Ser
                245                 250                 255
Leu Ser Arg Ser Ser Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
            260                 265                 270
Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        275                 280                 285
Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
    290                 295                 300
Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
305                 310                 315                 320
Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Leu Thr Phe Ser Arg
                325                 330                 335
Tyr Ala Val Ala Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe
            340                 345                 350
Val Ala Ala Ile Thr Trp Ser Ser Gly Arg Ile Asp Tyr Ala Asp Ser
        355                 360                 365
Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val
    370                 375                 380
Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr
385                 390                 395                 400
Cys Ala Ala Asp Arg Arg Pro Arg Ser Thr Gly Arg Ser Gly Thr Gly
                405                 410                 415
Ser Pro Ser Thr Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
            420                 425                 430
Ser Ser Ala
        435
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<210> 20
<211> 433
<212> PRT
<213> Artificial Sequence

<220>
<223> F012900141 full sequence

<400> 20
Ala 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 Arg Thr Phe Ser Thr Tyr
            20                  25                  30
Val Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
        35                  40                  45
Ala Ala Ile Ser Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
65                  70                  75                  80
Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
Ala Ala Ser Arg Gly Thr Ser Thr Pro Ser Arg Ala Ser Gly Val Ser
            100                 105                 110
Arg Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly
        115                 120                 125
Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
    130                 135                 140
Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
145                 150                 155                 160
Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro
                165                 170                 175
Gly Asn Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
            180                 185                 190
Ser Phe Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu
        195                 200                 205
Trp Val Ser Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp
    210                 215                 220
Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr
225                 230                 235                 240
Leu Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr
                245                 250                 255
Tyr Cys Thr Ile Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly Thr Leu
            260                 265                 270
Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
        275                 280                 285
Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
    290                 295                 300
Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly
305                 310                 315                 320
Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala
                325                 330                 335
Ser Gly Ser Ile Phe Arg Ile Gly Ala Met Gly Trp Tyr Arg Gln Ala
            340                 345                 350
Pro Gly Lys Gln Arg Glu Leu Val Ala Ala Val Ser Ser Gly Gly Ser
        355                 360                 365
Thr Tyr Tyr Val Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp
    370                 375                 380
Asn Ser Lys Asn Thr Val Tyr Leu Gln Met Asn Ser Leu Arg Pro Glu
385                 390                 395                 400
Asp Thr Ala Val Tyr Tyr Cys Asn Arg Glu Thr Gly Pro Tyr Gly Pro
                405                 410                 415
Pro Lys Arg Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
            420                 425                 430
Ala
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<210> 21
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Alb11 full sequence

<400> 21
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe
20 25 30
Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ser Ser Ile Ser Gly Ser Gly Ser Asp Thr Leu Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Thr Ile Gly Gly Ser Leu Ser Arg Ser Ser Gln Gly Thr Leu Val Thr
100 105 110
Val Ser Ser
115

<210> 22
<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> F0129046C10(N32G)

<400> 22
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 Ser Ile Phe Arg Ile Gly
20 25 30
Ala Met Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45
Ala Ala Val Ser Ser Gly Gly Ser Thr Tyr Tyr Val Asp Ser Val Lys
50 55 60
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr Leu
65 70 75 80
Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn
85 90 95
Arg Glu Thr Gly Pro Tyr Gly Pro Pro Lys Arg Asp Tyr Trp Gly Gln
100 105 110
Gly Thr Leu Val Thr Val Ser Ser Ala
115 120

<210> 23
<211> 127
<212> PRT
<213> Artificial Sequence

<220>
<223> F0129097A08

<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 Val Ala Ser Gly Arg Thr Phe Ser Thr Tyr
20 25 30
Val Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
35 40 45
Ala Ala Ile Ser Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ala Ser Arg Gly Thr Ser Thr Pro Ser Arg Ala Ser Gly Val Ser
100 105 110
Arg Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 24
<211> 30
<212> PRT
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<220>
<223> FR1 of F0129097A08 (E1A, V23A)

<400> 24
Ala 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 Arg Thr Phe Ser
20 25 30

<210> 25
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> FR2 of F0129097A08

<400> 25
Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala
1 5 10

<210> 26
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> FR3 of F0129097A08

<400> 26
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr Leu Gln
1 5 10 15
Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ala
20 25 30

<210> 27
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> FR4 of F0129097A08

<400> 27

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 28
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> FR1 of F0129093A02

<400> 28
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 Leu Thr Phe Ser
20 25 30

<210> 29
<211> 12
<212> PRT
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<220>
<223> FR4 of F0129093A02

<400> 29
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala
1 5 10

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

<220>
<223> FR1 of F0129097A08

<400> 30
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 Val Ala Ser Gly Arg Thr Phe Ser
20 25 30

<210> 31
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> FR1 of F0129046C10 (E1A, N32G)

<400> 31
Ala 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 Ser Ile Phe Arg
20 25 30

<210> 32
<211> 14
<212> PRT

<213> Artificial Sequence

<220>
<223> FR2 of F0129046C10

<400> 32
Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val Ala
1 5 10

<210> 33
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> FR3 of F0129046C10

<400> 33
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr Leu Gln
1 5 10 15
Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Asn Arg
20 25 30

<210> 34
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> FR1 of F0129046C10

<400> 34
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 Ser Ile Phe Arg
20 25 30

<210> 35
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> FR1 of ALB11

<400> 35
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Asn
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
20 25 30

<210> 36
<211> 14
<212> PRT
<213> Artificial Sequence

<220>

<223> FR2 of ALB11

<400> 36
Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
1 5 10

<210> 37
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> FR3 of ALB11

<400> 37
Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Thr Thr Leu Tyr Leu Gln
1 5 10 15
Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Thr Ile
20 25 30

<210> 38
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> FR4 of ALB11

<400> 38
Ser Ser Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10