SEQUENCE LISTING

<110> immatics biotechnologies GmbH

<120> Improved cancer therapy based on tumor associated antigens derived from cyclin D1

<130> I31935PCT

<150> GB 1009222.9
<151> 2010-06-02

<150> US 61/350,731
<151> 2010-06.02

<160> 27

<170> PatentIn version 3.5

<210> 1
<211> 9
<212> PRT
<213> Homo sapiens

<400> 1

Leu Leu Gly Ala Thr Cys Met Phe Val
1 5

<210> 2
<211> 9
<212> PRT
<213> Homo sapiens

<400> 2

Arg Leu Thr Arg Phe Leu Ser Arg Val
1 5

<210> 3
<211> 15
<212> PRT
<213> Homo sapiens

<400> 3

Asn Pro Pro Ser Met Val Ala Ala Gly Ser Val Val Ala Ala Val
1 5 10 15

<210> 4
<211> 9
<212> PRT
<213> Homo sapiens

<400> 4

Glu Val Phe Pro Leu Ala Met Asn Tyr
1 5

<210> 5
<211> 10
<212> PRT
<213> Homo sapiens

<400> 5

Glu Thr Ile Pro Leu Thr Ala Glu Lys Leu
1 5 10

<210> 6
<211> 10
<212> PRT
<213> Homo sapiens

<400> 6

Ala Leu Leu Glu Ser Ser Leu Arg Gln Ala
1 5 10

<210> 7
<211> 9
<212> PRT
<213> Homo sapiens

<400> 7

Ile Val Ala Thr Trp Met Leu Glu Val
1 5

<210> 8
<211> 9
<212> PRT
<213> Homo sapiens

<400> 8

Ser Val Val Ala Ala Val Gln Gly Leu
1 5

<210> 9
<211> 11
<212> PRT
<213> Homo sapiens

<400> 9

Ser Val Val Ala Ala Val Gln Gly Leu Asn Leu
1 5 10

<210> 10
<211> 9
<212> PRT
<213> Homo sapiens

<400> 10

Asn Tyr Leu Asp Arg Phe Leu Ser Leu

1 5

<210> 11
<211> 8
<212> PRT
<213> Homo sapiens

<400> 11

Asp Arg Val Leu Arg Ala Met Leu
1 5

<210> 12
<211> 9
<212> PRT
<213> Homo sapiens

<400> 12

Glu Glu Glu Val Phe Pro Leu Ala Met
1 5

<210> 13
<211> 10
<212> PRT
<213> Homo sapiens

<400> 13

Glu Glu Val Phe Pro Leu Ala Met Asn Tyr
1 5 10

<210> 14
<211> 10
<212> PRT
<213> Homo sapiens

<400> 14

Glu Val Phe Pro Leu Ala Met Asn Tyr Leu
1 5 10

<210> 15
<211> 11
<212> PRT
<213> Homo sapiens

<400> 15

Asn Leu Arg Ser Pro Asn Asn Phe Leu Ser Tyr
1 5 10

<210> 16
<211> 8
<212> PRT
<213> Homo sapiens

<400> 16

Val Asn Lys Leu Lys Trp Asn Leu
1 5

<210> 17
<211> 9
<212> PRT
<213> Homo sapiens

<400> 17

Val Gln Lys Glu Val Leu Pro Ser Met
1 5

<210> 18
<211> 11
<212> PRT
<213> Homo sapiens

<400> 18

Met Pro Glu Ala Glu Glu Asn Lys Gln Ile Ile
1 5 10

<210> 19
<211> 9
<212> PRT
<213> Homo sapiens

<400> 19

Tyr Val Asp Pro Val Ile Thr Ser Ile
1 5

<210> 20
<211> 9
<212> PRT
<213> Homo sapiens

<400> 20

Ser Thr Ala Pro Pro Val His Asn Val
1 5

<210> 21
<211> 9
<212> PRT
<213> Homo sapiens

<400> 21

Leu Leu Leu Leu Thr Val Leu Thr Val
1 5

<210> 22
<211> 9

<212> PRT
<213> Homo sapiens

<400> 22

Tyr Leu Ser Gly Ala Asn Leu Asn Leu
1 5

<210> 23
<211> 9
<212> PRT
<213> Homo sapiens

<400> 23

Tyr Leu Ser Gly Ala Asp Leu Asn Leu
1 5

<210> 24
<211> 16
<212> PRT
<213> Homo sapiens

<400> 24

Ser Pro Gln Tyr Ser Trp Arg Ile Asn Gly Ile Pro Gln Gln His Thr
1 5 10 15

<210> 25
<211> 10
<212> PRT
<213> Homo sapiens

<400> 25

Ala Leu Phe Val Arg Leu Leu Ala Leu Ala
1 5 10

<210> 26
<211> 15
<212> PRT
<213> Homo sapiens

<400> 26

Thr Leu Gly Glu Phe Leu Lys Leu Asp Arg Glu Arg Ala Lys Asn
1 5 10 15

<210> 27
<211> 295
<212> PRT
<213> Homo sapiens

<400> 27

Met Glu His Gln Leu Leu Cys Cys Glu Val Glu Thr Ile Arg Arg Ala
1 5 10 15

```
Tyr Pro Asp Ala Asn Leu Leu Asn Asp Arg Val Leu Arg Ala Met Leu
            20                  25                  30

Lys Ala Glu Glu Thr Cys Ala Pro Ser Val Ser Tyr Phe Lys Cys Val
        35                  40                  45

Gln Lys Glu Val Leu Pro Ser Met Arg Lys Ile Val Ala Thr Trp Met
    50                  55                  60

Leu Glu Val Cys Glu Glu Gln Lys Cys Glu Glu Glu Val Phe Pro Leu
65                  70                  75                  80

Ala Met Asn Tyr Leu Asp Arg Phe Leu Ser Leu Glu Pro Val Lys Lys
                85                  90                  95

Ser Arg Leu Gln Leu Leu Gly Ala Thr Cys Met Phe Val Ala Ser Lys
            100                 105                 110

Met Lys Glu Thr Ile Pro Leu Thr Ala Glu Lys Leu Cys Ile Tyr Thr
        115                 120                 125

Asp Asn Ser Ile Arg Pro Glu Glu Leu Leu Gln Met Glu Leu Leu Leu
    130                 135                 140

Val Asn Lys Leu Lys Trp Asn Leu Ala Ala Met Thr Pro His Asp Phe
145                 150                 155                 160

Ile Glu His Phe Leu Ser Lys Met Pro Glu Ala Glu Glu Asn Lys Gln
                165                 170                 175

Ile Ile Arg Lys His Ala Gln Thr Phe Val Ala Leu Cys Ala Thr Asp
            180                 185                 190

Val Lys Phe Ile Ser Asn Pro Pro Ser Met Val Ala Ala Gly Ser Val
        195                 200                 205

Val Ala Ala Val Gln Gly Leu Asn Leu Arg Ser Pro Asn Asn Phe Leu
    210                 215                 220

Ser Tyr Tyr Arg Leu Thr Arg Phe Leu Ser Arg Val Ile Lys Cys Asp
225                 230                 235                 240

Pro Asp Cys Leu Arg Ala Cys Gln Glu Gln Ile Glu Ala Leu Leu Glu
                245                 250                 255

Ser Ser Leu Arg Gln Ala Gln Gln Asn Met Asp Pro Lys Ala Ala Glu
            260                 265                 270
```

```
Glu Glu Glu Glu Glu Glu Glu Glu Val Asp Leu Ala Cys Thr Pro Thr
        275                 280                 285

Asp Val Arg Asp Val Asp Ile
    290                 295
```