SEQUENCE LISTING

<110> Amgen Research (Munich) GmbH
Boehringer Ingelheim International GmbH

<120> Binding molecules for BCMA and CD3

<130> SG4494A

<140> PCT/EP2012/072699
<141> 2012-11-15

<150> US 61/560,144
<151> 2011-11-15

<150> US 61/560,149
<151> 2011-11-15

<150> US 61/560,162
<151> 2011-11-15

<150> US 61/560,178
<151> 2011-11-15

<150> US 61/560,183
<151> 2011-11-15

<150> US 61/651,486
<151> 2012-05-24

<150> US 61/651,474
<151> 2012-05-24

<160> 1093

<170> PatentIn version 3.5

<210> 1
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-1

<400> 1

Asn Tyr Asp Met Ala
1 5

<210> 2
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-1

<400> 2

Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 3
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-1

<400> 3

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 4
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-1

<400> 4

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 5
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-1

<400> 5

Gly Ala Ser Asn Arg His Thr
1 5

<210> 6
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-1

<400> 6

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 7
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-1

<400> 7

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 8
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-1

<400> 8

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1 5 10 15

Glu Arg Val Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
20 25 30

Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Arg Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser
65 70 75 80

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
100 105

<210> 9
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-1 scFv

<400> 9

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
130 135 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys
145 150 155 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
180 185 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Arg Glu Phe Thr
195 200 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
210 215 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225 230 235 240

Asp Ile Lys

<210> 10
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-1 HL x CD3 HL bispecific molecule

<400> 10

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg

```
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Arg Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240
```

```
Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
```

465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 11
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-2

<400> 11

Asn Tyr Asp Met Ala
1 5

<210> 12
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-2

<400> 12

Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 13
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-2

<400> 13

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 14

<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-2

<400> 14

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 15
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-2

<400> 15

Gly Ala Ser Asn Arg His Thr
1 5

<210> 16
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-2

<400> 16

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 17
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-2

<400> 17

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

```
Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 18
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-2

<400> 18

```
Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1               5                   10                  15

Glu Arg Val Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
            20                  25                  30

Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
        35                  40                  45

Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Arg Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser
65                  70                  75                  80

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
                85                  90                  95
```

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
100 105

<210> 19
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-2 scFv

<400> 19

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
130 135 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys
145 150 155 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
165 170 175

```
Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Arg Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys
```

<210> 20
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-2 HL x CD3 HL bispecific molecule

<400> 20

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110
```

```
Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Arg Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
```

340 345 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
355 360 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
370 375 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385 390 395 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
405 410 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
420 425 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 21
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-3

<400> 21

Asn Tyr Asp Met Ala
1 5

<210> 22

<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-3

<400> 22

Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 23
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-3

<400> 23

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 24
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-3

<400> 24

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 25
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-3

<400> 25

Gly Ala Ser Asn Arg His Thr
1 5

<210> 26
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-3

<400> 26

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 27
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-3

<400> 27

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 28

<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-3

<400> 28

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1 5 10 15

Glu Arg Val Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
20 25 30

Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser
65 70 75 80

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
100 105

<210> 29
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-3 scFv

<400> 29

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

```
Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys
```

<210> 30
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-3 HL x CD3 HL bispecific molecule

<400> 30

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
```

```
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445
```

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 31
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-4

<400> 31

Asn Tyr Asp Met Ala
1 5

<210> 32
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-4

<400> 32

Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 33
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-4

<400> 33

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 34
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-4

<400> 34

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 35
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-4

<400> 35

Gly Ala Ser Asn Arg His Thr
1 5

<210> 36
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-4

<400> 36

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 37
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-4

<400> 37

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg

1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 38
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-4

<400> 38

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1 5 10 15

Glu Arg Val Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
20 25 30

Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser

65 70 75 80

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
100 105

<210> 39
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-4 scFv

<400> 39

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
130 135 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys

```
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys
```

<210> 40
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-4 HL x CD3 HL bispecific molecule

<400> 40

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
```

```
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320
```

```
Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 41
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-5

<400> 41

Asn Tyr Asp Met Ala
1 5

<210> 42
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-5

<400> 42

Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 43
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-5

<400> 43

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 44
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-5

<400> 44

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 45
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-5

<400> 45

Gly Ala Ser Asn Arg His Thr
1 5

<210> 46
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-5

<400> 46

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 47
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-5

<400> 47

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

```
Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  48
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-5

<400>  48

Glu Ile Val Met Thr Gln Ser Pro Ala Ser Met Ser Val Ser Pro Gly
1               5                   10                  15


Glu Arg Ala Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
            20                  25                  30


Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
        35                  40                  45


Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
    50                  55                  60


Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser
65                  70                  75                  80


Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
                85                  90                  95


Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
            100                 105


<210>  49
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-5 scFv

<400>  49

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15


Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
```

```
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Ser Met Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys
```

<210> 50
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-5 HL x CD3 HL bispecific molecule

<400> 50

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
130 135 140

Ala Ser Met Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145 150 155 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
180 185 190

```
Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
```

```
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 51
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-6

<400> 51

```
Asn Tyr Asp Met Ala
1               5
```

<210> 52
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-6

<400> 52

```
Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val Lys
1               5                   10                  15

Gly
```

<210> 53
<211> 12
<212> PRT

<213> artificial

<220>
<223> VH CDR3 of BCMA-6

<400> 53

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 54
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-6

<400> 54

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 55
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-6

<400> 55

Gly Ala Ser Asn Arg His Thr
1 5

<210> 56
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-6

<400> 56

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 57
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-6

<400> 57

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 58
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-6

<400> 58

Glu Ile Val Met Thr Gln Ser Pro Ala Ser Met Ser Val Ser Pro Gly
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
20 25 30

Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
35 40 45

```
Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser
65                  70                  75                  80

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
                85                  90                  95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
            100                 105
```

<210> 59
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-6 scFv

<400> 59

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125
```

```
Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Ser Met Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys
```

<210> 60
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-6 HL x CD3 HL bispecific molecule

<400> 60

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60
```

```
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Ser Met Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
```

```
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 61
<211> 5
<212> PRT

<213> artificial

<220>
<223> VH CDR1 of BCMA-7

<400> 61

Asn Tyr Asp Met Ala
1 5

<210> 62
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-7

<400> 62

Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 63
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-7

<400> 63

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 64
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-7

<400> 64

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 65

<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-7

<400> 65

Gly Ala Ser Asn Arg His Thr
1 5

<210> 66
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-7

<400> 66

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 67
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-7

<400> 67

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

```
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 68
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-7

<400> 68

```
Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1               5                   10                  15

Glu Arg Ala Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
            20                  25                  30

Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
        35                  40                  45

Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala
65                  70                  75                  80

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
                85                  90                  95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
            100                 105
```

<210> 69
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-7 scFv

<400> 69

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
```

225 230 235 240

Asp Ile Lys

<210> 70
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-7 HL x CD3 HL bispecific molecule

<400> 70

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Ala Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
130 135 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145 150 155 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro

```
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400
```

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
405 410 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
420 425 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 71
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-8

<400> 71

Asn Tyr Asp Met Ala
1 5

<210> 72
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-8

<400> 72

Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 73
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-8

<400> 73

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 74
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-8

<400> 74

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 75
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-8

<400> 75

Gly Ala Ser Asn Arg His Thr
1 5

<210> 76
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-8

<400> 76

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 77
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-8

<400> 77

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 78
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-8

<400> 78

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn

```
            20                  25                  30

Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
        35                  40                  45

Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala
65                  70                  75                  80

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
                85                  90                  95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
            100                 105


<210>  79
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-8 scFv

<400>  79

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
```

```
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys
```

<210> 80
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-8 HL x CD3 HL bispecific molecule

<400> 80

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
```

```
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Asp Met Thr Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270
```

```
Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 81
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-9

<400> 81

Asn Tyr Trp Ile His
1 5

<210> 82
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-9

<400> 82

Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe Gln
1 5 10 15

Gly

<210> 83
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-9

<400> 83

Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser
1 5 10

<210> 84
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-9

<400> 84

```
Arg Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr
1               5                   10                  15


<210>  85
<211>  7
<212>  PRT
<213>  artificial

<220>
<223>  VL CDR2 of BCMA-9

<400>  85

Arg Val Ser Asn Arg Phe Ser
1               5


<210>  86
<211>  9
<212>  PRT
<213>  artificial

<220>
<223>  VL CDR3 of BCMA-9

<400>  86

Phe Gln Gly Ser Thr Leu Pro Phe Thr
1               5


<210>  87
<211>  121
<212>  PRT
<213>  artificial

<220>
<223>  VH of BCMA-9

<400>  87

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
            20                  25                  30


Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
        35                  40                  45


Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60
```

```
Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80


Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  88
<211>  112
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-9

<400>  88

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Ser Pro Gly
1               5                   10                  15


Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Ile Val His Ser
            20                  25                  30


Asn Gly Asn Thr Tyr Leu Tyr Trp Tyr Leu Gln Lys Pro Gly Gln Pro
        35                  40                  45


Pro Gln Leu Leu Ile Tyr Arg Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Phe Gln Gly
                85                  90                  95


Ser Thr Leu Pro Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  89
<211>  248
<212>  PRT
```

<213> artificial

<220>
<223> BCMA-9 scFv

<400> 89

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                  10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
            20                  25                  30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140

Leu Ser Leu Ser Val Ser Pro Gly Gln Pro Ala Ser Ile Ser Cys Arg
145                 150                 155                 160

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205
```

```
Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser Thr Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys
                245
```

<210> 90
<211> 503
<212> PRT
<213> artificial

<220>
<223> BCMA-9 HL x CD3 HL bispecific molecule

<400> 90

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
            20                  25                  30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140
```

```
Leu Ser Leu Ser Val Ser Pro Gly Gln Pro Ala Ser Ile Ser Cys Arg
145                 150                 155                 160

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser Thr Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val
                245                 250                 255

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu
            260                 265                 270

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met
        275                 280                 285

Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg
    290                 295                 300

Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr
                325                 330                 335

Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys
            340                 345                 350

Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr
        355                 360                 365

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
```

```
    370                 375                 380

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln
385                 390                 395                 400

Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys
                405                 410                 415

Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val
            420                 425                 430

Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys
        435                 440                 445

Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly
    450                 455                 460

Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala
465                 470                 475                 480

Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly
                485                 490                 495

Gly Thr Lys Leu Thr Val Leu
            500


<210>  91
<211>  5
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR1 of BCMA-10

<400>  91

Asn Tyr Trp Ile His
1               5


<210>  92
<211>  17
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR2 of BCMA-10

<400>  92
```

Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe Gln
1 5 10 15

Gly

<210> 93
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-10

<400> 93

Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser
1 5 10

<210> 94
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-10

<400> 94

Arg Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr
1 5 10 15

<210> 95
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-10

<400> 95

Arg Val Ser Asn Arg Phe Ser
1 5

<210> 96
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-10

<400> 96

Phe Gln Gly Ser His Leu Pro Phe Thr
1 5

<210> 97
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-10

<400> 97

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
35 40 45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 98
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-10

<400> 98

```
Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Ser Pro Gly
1               5                  10                  15

Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Ile Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu Tyr Trp Tyr Leu Gln Lys Pro Gly Gln Pro
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Arg Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Phe Gln Gly
                85                  90                  95

Ser His Leu Pro Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110
```

<210> 99
<211> 248
<212> PRT
<213> artificial

<220>
<223> BCMA-10 scFv

<400> 99

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                  10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
            20                  25                  30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80
```

```
Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140

Leu Ser Leu Ser Val Ser Pro Gly Gln Pro Ala Ser Ile Ser Cys Arg
145                 150                 155                 160

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser His Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys
                245
```

<210> 100
<211> 503
<212> PRT
<213> artificial

<220>
<223> BCMA-10 HL x CD3 HL bispecific molecule

<400> 100

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15
```

```
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
            20                  25                  30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140

Leu Ser Leu Ser Val Ser Pro Gly Gln Pro Ala Ser Ile Ser Cys Arg
145                 150                 155                 160

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser His Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val
```

```
                245                 250                 255

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu
            260                 265                 270

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met
        275                 280                 285

Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg
    290                 295                 300

Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr
                325                 330                 335

Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys
            340                 345                 350

Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr
        355                 360                 365

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln
385                 390                 395                 400

Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys
                405                 410                 415

Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val
            420                 425                 430

Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys
        435                 440                 445

Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly
    450                 455                 460

Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala
465                 470                 475                 480
```

Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly
485 490 495

Gly Thr Lys Leu Thr Val Leu
500

<210> 101
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-11

<400> 101

Asn Tyr Trp Ile His
1 5

<210> 102
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-11

<400> 102

Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe Gln
1 5 10 15

Gly

<210> 103
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-11

<400> 103

Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser
1 5 10

<210> 104
<211> 16
<212> PRT

<213> artificial

<220>
<223> VL CDR1 of BCMA-11

<400> 104

Lys Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr
1 5 10 15

<210> 105
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-11

<400> 105

Arg Val Ser Asn Arg Phe Ser
1 5

<210> 106
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-11

<400> 106

Phe Gln Gly Ser Thr Leu Pro Phe Thr
1 5

<210> 107
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-11

<400> 107

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile

```
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  108
<211>  112
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-11

<400>  108

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1               5                   10                  15

Gln Gln Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Ile Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu Tyr Trp Tyr Leu Gln Lys Pro Gly Gln Pro
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Arg Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Phe Gln Gly
                85                  90                  95

Ser Thr Leu Pro Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
```

100 105 110

<210> 109
<211> 248
<212> PRT
<213> artificial

<220>
<223> BCMA-11 scFv

<400> 109

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
35 40 45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
130 135 140

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

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
165 170 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val

```
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser Thr Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys
                245
```

<210> 110
<211> 503
<212> PRT
<213> artificial

<220>
<223> BCMA-11 HL x CD3 HL bispecific molecule

<400> 110

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
            20                  25                  30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
```

```
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140

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

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser Thr Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val
                245                 250                 255

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu
            260                 265                 270

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met
        275                 280                 285

Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg
    290                 295                 300

Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr
                325                 330                 335

Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys
            340                 345                 350
```

```
Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr
        355                 360                 365

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln
385                 390                 395                 400

Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys
                405                 410                 415

Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val
            420                 425                 430

Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys
        435                 440                 445

Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly
    450                 455                 460

Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala
465                 470                 475                 480

Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly
                485                 490                 495

Gly Thr Lys Leu Thr Val Leu
            500
```

<210> 111
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-12

<400> 111

```
Asn Tyr Trp Ile His
1               5
```

<210> 112
<211> 17
<212> PRT

<213> artificial

<220>
<223> VH CDR2 of BCMA-12

<400> 112

Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe Gln
1 5 10 15

Gly

<210> 113
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-12

<400> 113

Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser
1 5 10

<210> 114
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-12

<400> 114

Lys Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr
1 5 10 15

<210> 115
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-12

<400> 115

Arg Val Ser Asn Arg Phe Ser
1 5

<210> 116

<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-12

<400> 116

Phe Gln Gly Ser His Leu Pro Phe Thr
1 5

<210> 117
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-12

<400> 117

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
35 40 45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 118
<211> 112
<212> PRT

<213> artificial

<220>
<223> VL of BCMA-12

<400> 118

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Gln Gln Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Ile Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu Tyr Trp Tyr Leu Gln Lys Pro Gly Gln Pro
35 40 45

Pro Gln Leu Leu Ile Tyr Arg Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Phe Gln Gly
85 90 95

Ser His Leu Pro Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 119
<211> 248
<212> PRT
<213> artificial

<220>
<223> BCMA-12 scFv

<400> 119

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
35 40 45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe

```
    50                  55                  60

Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140

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

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser His Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys
                245
```

<210> 120
<211> 503
<212> PRT
<213> artificial

<220>
<223> BCMA-12 HL x CD3 HL bispecific molecule

<400> 120

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                  10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
            20                  25                  30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Lys Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140

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

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220
```

```
Gly Val Tyr Tyr Cys Phe Gln Gly Ser His Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val
                245                 250                 255

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu
            260                 265                 270

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met
        275                 280                 285

Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg
    290                 295                 300

Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr
                325                 330                 335

Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys
            340                 345                 350

Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr
        355                 360                 365

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln
385                 390                 395                 400

Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys
                405                 410                 415

Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val
            420                 425                 430

Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys
        435                 440                 445

Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly
```

```
    450                 455                 460

Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala
465                 470                 475                 480

Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly
                485                 490                 495

Gly Thr Lys Leu Thr Val Leu
            500
```

<210> 121
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-13

<400> 121

```
Asn Tyr Trp Ile His
1               5
```

<210> 122
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-13

<400> 122

```
Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe Gln
1               5                   10                  15

Gly
```

<210> 123
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-13

<400> 123

```
Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser
```

1 5 10

<210> 124
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-13

<400> 124

Lys Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr
1 5 10 15

<210> 125
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-13

<400> 125

Arg Val Ser Asn Arg Phe Ser
1 5

<210> 126
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-13

<400> 126

Phe Gln Gly Ser Thr Leu Pro Phe Thr
1 5

<210> 127
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-13

<400> 127

Gln Val Gln Leu Val Gln Ser Gly Ala Val Val Ala Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Met
35 40 45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Leu Thr Thr Asp Thr Ser Ala Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Asn Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 128
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-13

<400> 128

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Gln Gln Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Ile Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu Tyr Trp Tyr Leu Gln Lys Pro Gly Gln Pro
35 40 45

Pro Gln Leu Leu Ile Tyr Arg Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Phe Gln Gly
85 90 95

Ser Thr Leu Pro Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 129
<211> 248
<212> PRT
<213> artificial

<220>
<223> BCMA-13 scFv

<400> 129

Gln Val Gln Leu Val Gln Ser Gly Ala Val Val Ala Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Met
35 40 45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Leu Thr Thr Asp Thr Ser Ala Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Asn Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
130 135 140

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

```
Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser Thr Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys
                245
```

<210> 130
<211> 503
<212> PRT
<213> artificial

<220>
<223> BCMA-13 HL x CD3 HL bispecific molecule

<400> 130

```
Gln Val Gln Leu Val Gln Ser Gly Ala Val Val Ala Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
            20                  25                  30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Met
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Arg Val Thr Leu Thr Thr Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Asn Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
```

```
Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140

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

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser Thr Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val
                245                 250                 255

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu
            260                 265                 270

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met
        275                 280                 285

Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg
    290                 295                 300

Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr
```

```
                325                 330                 335

Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys
            340                 345                 350

Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr
        355                 360                 365

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln
385                 390                 395                 400

Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys
                405                 410                 415

Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val
            420                 425                 430

Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys
        435                 440                 445

Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly
    450                 455                 460

Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala
465                 470                 475                 480

Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly
                485                 490                 495

Gly Thr Lys Leu Thr Val Leu
            500


<210>  131
<211>  5
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR1 of BCMA-14

<400>  131

Asn Tyr Trp Ile His
```

1 5

<210> 132
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-14

<400> 132

Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe Gln
1 5 10 15

Gly

<210> 133
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-14

<400> 133

Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser
1 5 10

<210> 134
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-14

<400> 134

Lys Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr
1 5 10 15

<210> 135
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-14

<400> 135

```
Arg Val Ser Asn Arg Phe Ser
1               5


<210>  136
<211>  9
<212>  PRT
<213>  artificial

<220>
<223>  VL CDR3 of BCMA-14

<400>  136

Phe Gln Gly Ser His Leu Pro Phe Thr
1               5


<210>  137
<211>  121
<212>  PRT
<213>  artificial

<220>
<223>  VH of BCMA-14

<400>  137

Gln Val Gln Leu Val Gln Ser Gly Ala Val Val Ala Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
            20                  25                  30


Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Met
        35                  40                  45


Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60


Gln Gly Arg Val Thr Leu Thr Thr Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80


Met Glu Leu Ser Ser Leu Arg Asn Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser
```

115 120

<210> 138
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-14

<400> 138

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Gln Gln Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Ile Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu Tyr Trp Tyr Leu Gln Lys Pro Gly Gln Pro
35 40 45

Pro Gln Leu Leu Ile Tyr Arg Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Phe Gln Gly
85 90 95

Ser His Leu Pro Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 139
<211> 248
<212> PRT
<213> artificial

<220>
<223> BCMA-14 scFv

<400> 139

Gln Val Gln Leu Val Gln Ser Gly Ala Val Val Ala Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

```
Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Met
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Arg Val Thr Leu Thr Thr Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Asn Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140

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

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser His Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys
                245
```

<210> 140

<211> 503
<212> PRT
<213> artificial

<220>
<223> BCMA-14 HL x CD3 HL bispecific molecule

<400> 140

Gln Val Gln Leu Val Gln Ser Gly Ala Val Val Ala Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Met
35 40 45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Leu Thr Thr Asp Thr Ser Ala Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Asn Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Ser Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
130 135 140

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

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
165 170 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
180 185 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser

```
         195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser His Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val
                245                 250                 255

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu
            260                 265                 270

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met
        275                 280                 285

Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg
    290                 295                 300

Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr
                325                 330                 335

Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys
            340                 345                 350

Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr
        355                 360                 365

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln
385                 390                 395                 400

Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys
                405                 410                 415

Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val
            420                 425                 430
```

```
Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys
        435                 440                 445

Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly
    450                 455                 460

Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala
465                 470                 475                 480

Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly
                485                 490                 495

Gly Thr Lys Leu Thr Val Leu
            500
```

<210> 141
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-15

<400> 141

```
Ser Tyr Trp Ile His
1               5
```

<210> 142
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-15

<400> 142

```
Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe Gln
1               5                   10                  15

Gly
```

<210> 143
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-15

<400> 143

Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Asp
1 5 10

<210> 144
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-15

<400> 144

Lys Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr
1 5 10 15

<210> 145
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-15

<400> 145

Arg Val Ser Asn Arg Phe Ser
1 5

<210> 146
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-15

<400> 146

Phe Gln Gly Ser Thr Leu Pro Phe Thr
1 5

<210> 147
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-15

<400> 147

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
35 40 45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Ser Ala Val Tyr Tyr Cys
85 90 95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Asp Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 148
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-15

<400> 148

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Ile Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu Tyr Trp Tyr Leu Gln Lys Pro Gly Gln Pro
35 40 45

Pro Gln Leu Leu Ile Tyr Arg Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Phe Gln Gly
                85                  90                  95

Ser Thr Leu Pro Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  149
<211>  248
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-15 scFv

<400>  149

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
            20                  25                  30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Ser Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Asp Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
```

```
    130                 135                 140

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

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser Thr Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys
                245
```

<210> 150
<211> 503
<212> PRT
<213> artificial

<220>
<223> BCMA-15 HL x CD3 HL bispecific molecule

<400> 150

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Thr
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
            20                  25                  30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
```

```
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Ser Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Asp Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140

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

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser Thr Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val
                245                 250                 255

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu
            260                 265                 270

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met
        275                 280                 285

Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg
    290                 295                 300
```

```
Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr
                325                 330                 335

Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys
            340                 345                 350

Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr
        355                 360                 365

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln
385                 390                 395                 400

Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys
                405                 410                 415

Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val
            420                 425                 430

Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys
        435                 440                 445

Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly
    450                 455                 460

Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala
465                 470                 475                 480

Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly
                485                 490                 495

Gly Thr Lys Leu Thr Val Leu
            500
```

<210> 151
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-16

<400> 151

Ser Tyr Trp Ile His
1 5

<210> 152
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-16

<400> 152

Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe Gln
1 5 10 15

Gly

<210> 153
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-16

<400> 153

Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Asp
1 5 10

<210> 154
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-16

<400> 154

Lys Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr
1 5 10 15

<210> 155
<211> 7
<212> PRT

<213> artificial

<220>
<223> VL CDR2 of BCMA-16

<400> 155

Arg Val Ser Asn Arg Phe Ser
1 5

<210> 156
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-16

<400> 156

Phe Gln Gly Ser His Leu Pro Phe Thr
1 5

<210> 157
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-16

<400> 157

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
35 40 45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Ser Ala Val Tyr Tyr Cys
85 90 95

```
Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Asp Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  158
<211>  112
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-16

<400>  158

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1               5                   10                  15


Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Ile Val His Ser
            20                  25                  30


Asn Gly Asn Thr Tyr Leu Tyr Trp Tyr Leu Gln Lys Pro Gly Gln Pro
        35                  40                  45


Pro Gln Leu Leu Ile Tyr Arg Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Phe Gln Gly
                85                  90                  95


Ser His Leu Pro Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  159
<211>  248
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-16 scFv

<400>  159

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Thr
```

```
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
            20                  25                  30

Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
        35                  40                  45

Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Ser Ala Val Tyr Tyr Cys
                85                  90                  95

Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Asp Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140

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

Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175

Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser His Leu Pro Phe Thr Phe Gly
225                 230                 235                 240
```

```
Gln Gly Thr Lys Leu Glu Ile Lys
                245


<210>  160
<211>  503
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-16 HL x CD3 HL bispecific molecule

<400>  160

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


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
            20                  25                  30


Trp Ile His Trp Val Lys Gln Ala Pro Gly Gln Arg Leu Glu Trp Ile
        35                  40                  45


Gly Ala Ile Tyr Pro Gly Asn Ser Asp Thr His Tyr Asn Gln Lys Phe
    50                  55                  60


Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65                  70                  75                  80


Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Ser Ala Val Tyr Tyr Cys
                85                  90                  95


Thr Arg Ser Ser Tyr Tyr Tyr Asp Gly Ser Leu Phe Ala Asp Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125


Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro
    130                 135                 140


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


Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp
                165                 170                 175
```

```
Tyr Leu Gln Lys Pro Gly Gln Pro Pro Gln Leu Leu Ile Tyr Arg Val
            180                 185                 190

Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser
        195                 200                 205

Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val
    210                 215                 220

Gly Val Tyr Tyr Cys Phe Gln Gly Ser His Leu Pro Phe Thr Phe Gly
225                 230                 235                 240

Gln Gly Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val
                245                 250                 255

Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu
            260                 265                 270

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met
        275                 280                 285

Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg
    290                 295                 300

Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val
305                 310                 315                 320

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr
                325                 330                 335

Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys
            340                 345                 350

Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr
        355                 360                 365

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln
385                 390                 395                 400

Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys
```

405 410 415

Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val
420 425 430

Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys
435 440 445

Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly
450 455 460

Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala
465 470 475 480

Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly
485 490 495

Gly Thr Lys Leu Thr Val Leu
500

<210> 161
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-17

<400> 161

Asn Phe Asp Met Ala
1 5

<210> 162
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-17

<400> 162

Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 163
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-17

<400> 163

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 164
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-17

<400> 164

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 165
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-17

<400> 165

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 166
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-17

<400> 166

Gln Gln Tyr Asp Ile Ser Ser Tyr Thr
1 5

<210> 167

<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-17

<400> 167

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 168
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-17

<400> 168

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 Gly Ile Ser Asn Tyr
20 25 30

```
Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asp Ile Ser Ser Tyr
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210>  169
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-17 scFv

<400>  169

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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110
```

```
Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Asp Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 170
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-17 HL x CD3 HL bispecific molecule

<400> 170

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45
```

```
Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Asp Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
```

```
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 171
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-18

<400> 171

Asn Phe Asp Met Ala
1 5

<210> 172
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-18

<400> 172

Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 173
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-18

<400> 173

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 174
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-18

<400> 174

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn

1 5 10

<210> 175
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-18

<400> 175

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 176
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-18

<400> 176

Met Gly Gln Thr Ile Ser Ser Tyr Thr
1 5

<210> 177
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-18

<400> 177

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr

65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 178
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-18

<400> 178

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 Gly Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
35 40 45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Met Gly Gln Thr Ile Ser Ser Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 179
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-18 scFv

<400> 179

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145 150 155 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
180 185 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
195 200 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys

210 215 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225 230 235 240

Glu Ile Lys

<210> 180
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-18 HL x CD3 HL bispecific molecule

<400> 180

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg

```
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380
```

```
Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 181
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-19

<400> 181

```
Asn Phe Asp Met Ala
1               5
```

<210> 182
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-19

<400> 182

```
Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val Lys
```

1 5 10 15

Gly

<210> 183
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-19

<400> 183

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 184
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-19

<400> 184

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 185
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-19

<400> 185

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 186
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-19

<400> 186

```
Gln Gln Tyr Asp Ile Ser Ser Tyr Thr
1               5


<210>  187
<211>  121
<212>  PRT
<213>  artificial

<220>
<223>  VH of BCMA-19

<400>  187

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 Asn Phe
            20                  25                  30


Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45


Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
    50                  55                  60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80


Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  188
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-19

<400>  188

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 Gly Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asp Ile Ser Ser Tyr
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210>  189
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-19 scFv

<400>  189

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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
```

```
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Asp Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 190
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-19 HL x CD3 HL bispecific molecule

<400> 190

```
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 Asn Phe
```

```
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Asp Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255
```

```
Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
```

485 490 495

Val Leu

<210> 191
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-20

<400> 191

Asn Phe Asp Met Ala
1 5

<210> 192
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-20

<400> 192

Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 193
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-20

<400> 193

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 194
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-20

<400> 194

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 195
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-20

<400> 195

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 196
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-20

<400> 196

Met Gly Gln Thr Ile Ser Ser Tyr Thr
1 5

<210> 197
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-20

<400> 197

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 198
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-20

<400> 198

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 Gly Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
35 40 45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Met Gly Gln Thr Ile Ser Ser Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 199
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-20 scFv

<400> 199

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190
```

```
Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 200
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-20 HL x CD3 HL bispecific molecule

<400> 200

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125
```

```
Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
```

```
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 201
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-21

<400> 201

```
Asn Phe Asp Met Ala
1               5
```

<210> 202
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-21

<400> 202

Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 203
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-21

<400> 203

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 204
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-21

<400> 204

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 205
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-21

<400> 205

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 206
<211> 9
<212> PRT

<213> artificial

<220>
<223> VL CDR3 of BCMA-21

<400> 206

Gln Gln Tyr Asp Ile Ser Ser Tyr Thr
1 5

<210> 207
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-21

<400> 207

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 208
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-21

<400> 208

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 Ser Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
35 40 45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asp Ile Ser Ser Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 209
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-21 scFv

<400> 209

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
50 55 60

```
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Asp Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 210
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-21 HL x CD3 HL bispecific molecule

<400> 210

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Asp Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
```

```
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460
```

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 211
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-22

<400> 211

Asn Phe Asp Met Ala
1 5

<210> 212
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-22

<400> 212

Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Glu Ser Val Lys
1 5 10 15

Gly

<210> 213
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-22

<400> 213

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 214
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-22

<400> 214

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 215
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-22

<400> 215

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 216
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-22

<400> 216

Met Gly Gln Thr Ile Ser Ser Tyr Thr
1 5

<210> 217
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-22

<400> 217

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 Asn Phe

```
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Glu Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 218
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-22

<400> 218

```
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 Ser Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys Met Gly Gln Thr Ile Ser Ser Tyr
```

85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 219
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-22 scFv

<400> 219

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Glu Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145 150 155 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro

```
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 220
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-22 HL x CD3 HL bispecific molecule

<400> 220

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Glu Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
```

```
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335
```

```
Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 221
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-23

<400> 221

```
Asn Phe Asp Met Ala
1               5
```

<210> 222
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-23

<400> 222

Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 223
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-23

<400> 223

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 224
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-23

<400> 224

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 225
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-23

<400> 225

Tyr Thr Ser Asn Leu Gln Ser

1 5

<210> 226
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-23

<400> 226

Met Gly Gln Thr Ile Ser Ser Tyr Thr
1 5

<210> 227
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-23

<400> 227

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 228
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-23

<400> 228

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 Gly Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
35 40 45

Tyr Tyr Thr Ser Asn Leu Gln 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 Met Gly Gln Thr Ile Ser Ser Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 229
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-23 scFv

<400> 229

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val

```
        35                  40                  45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 230
<211> 498
<212> PRT

<213> artificial

<220>
<223> BCMA-23 HL x CD3 HL bispecific molecule

<400> 230

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Ala Asp His Ala Ile Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205
```

```
Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
```

```
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 231
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-24

<400> 231

```
Asp Tyr Tyr Ile Asn
1               5
```

<210> 232
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-24

<400> 232

```
Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1               5                   10                  15

Gly
```

<210> 233
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-24

<400> 233

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 234
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-24

<400> 234

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 235
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-24

<400> 235

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 236
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-24

<400> 236

Ala Glu Thr Ser His Val Pro Trp Thr
1 5

<210> 237
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-24

<400> 237

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser
        115
```

<210> 238
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-24

<400> 238

```
Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1               5                   10                  15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Lys Val 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


Asn Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ala Glu Thr
                85                  90                  95


Ser His Val Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  239
<211>  246
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-24 scFv

<400>  239

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30


Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45


Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60


Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80


Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95


Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110


Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125


Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140
```

```
Leu Ser Val Thr Pro Gly Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser
145                 150                 155                 160

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Asn Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ala Glu Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 240
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-24 HL x CD3 HL bispecific molecule

<400> 240

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80
```

```
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Asn Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ala Glu Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
```

```
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 241
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-25

<400> 241

Asp Tyr Tyr Ile Asn
1 5

<210> 242
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-25

<400> 242

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1 5 10 15

Gly

<210> 243
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-25

<400> 243

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 244
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-25

<400> 244

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 245
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-25

<400> 245

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 246
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-25

<400> 246

Leu Thr Thr Ser His Val Pro Trp Thr
1 5

<210> 247
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-25

<400> 247

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly

```
            100                 105                 110


Thr Met Val Thr Val Ser Ser
        115


<210>  248
<211>  112
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-25

<400>  248

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1               5                   10                  15


Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
            20                  25                  30


Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45


Pro Gln Leu Leu Ile Tyr Lys Val 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


Asn Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Leu Thr Thr
                85                  90                  95


Ser His Val Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  249
<211>  246
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-25 scFv

<400>  249

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15
```

```
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Asn Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Leu Thr Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
```

245

<210> 250
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-25 HL x CD3 HL bispecific molecule

<400> 250

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
130 135 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
165 170 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn

```
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Asn Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Leu Thr Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415
```

```
Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 251
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-26

<400> 251

```
Asp Tyr Tyr Ile Asn
1               5
```

<210> 252
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-26

<400> 252

```
Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1               5                   10                  15

Gly
```

<210> 253

<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-26

<400> 253

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 254
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-26

<400> 254

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 255
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-26

<400> 255

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 256
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-26

<400> 256

Ala Glu Thr Ser His Val Pro Trp Thr
1 5

<210> 257
<211> 119
<212> PRT

<213> artificial

<220>
<223> VH of BCMA-26

<400> 257

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser
115

<210> 258
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-26

<400> 258

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser

```
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ala Glu Thr
                85                  90                  95

Ser His Val Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  259
<211>  246
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-26 scFv

<400>  259

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
```

```
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ala Glu Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 260
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-26 HL x CD3 HL bispecific molecule

<400> 260

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
```

```
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ala Glu Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285
```

```
Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 261

<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-27

<400> 261

Asp Tyr Tyr Ile Asn
1 5

<210> 262
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-27

<400> 262

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1 5 10 15

Gly

<210> 263
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-27

<400> 263

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 264
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-27

<400> 264

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 265
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-27

<400> 265

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 266
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-27

<400> 266

Leu Thr Thr Ser His Val Pro Trp Thr
1 5

<210> 267
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-27

<400> 267

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65 70 75 80

```
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser
        115
```

<210> 268
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-27

<400> 268

```
Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1               5                   10                  15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Leu Thr Thr
                85                  90                  95

Ser His Val Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110
```

<210> 269
<211> 246
<212> PRT
<213> artificial

<220>
<223> BCMA-27 scFv

<400> 269

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                  10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220
```

```
Tyr Tyr Cys Leu Thr Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240


Thr Lys Leu Glu Ile Lys
                245
```

<210> 270
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-27 HL x CD3 HL bispecific molecule

<400> 270

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30


Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45


Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60


Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80


Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95


Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110


Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125


Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140


Leu Ser Val Thr Pro Gly Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser
145                 150                 155                 160
```

```
Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Leu Thr Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
```

385 390 395 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
405 410 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
420 425 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
435 440 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
450 455 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465 470 475 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
485 490 495

Lys Leu Thr Val Leu
500

<210> 271
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-28

<400> 271

Asp Tyr Tyr Ile Asn
1 5

<210> 272
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-28

<400> 272

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1 5 10 15

Gly

<210> 273
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-28

<400> 273

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 274
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-28

<400> 274

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 275
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-28

<400> 275

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 276
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-28

<400> 276

Ala Glu Thr Ser His Val Pro Trp Thr

1 5

<210> 277
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-28

<400> 277

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser
115

<210> 278
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-28

<400> 278

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Ser Pro Gly
1 5 10 15

```
Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ala Glu Thr
                85                  90                  95

Ser His Val Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110
```

<210> 279
<211> 246
<212> PRT
<213> artificial

<220>
<223> BCMA-28 scFv

<400> 279

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95
```

```
Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ala Glu Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 280
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-28 HL x CD3 HL bispecific molecule

<400> 280

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30
```

```
Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ala Glu Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
```

```
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495
```

Lys Leu Thr Val Leu
500

<210> 281
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-29

<400> 281

Asp Tyr Tyr Ile Asn
1 5

<210> 282
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-29

<400> 282

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1 5 10 15

Gly

<210> 283
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-29

<400> 283

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 284
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-29

<400> 284

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 285
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-29

<400> 285

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 286
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-29

<400> 286

Leu Thr Thr Ser His Val Pro Trp Thr
1 5

<210> 287
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-29

<400> 287

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe

```
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser
        115


<210>  288
<211>  112
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-29

<400>  288

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Ser Pro Gly
1               5                   10                  15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Leu Thr Thr
                85                  90                  95

Ser His Val Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110

<210>  289
```

<211> 246
<212> PRT
<213> artificial

<220>
<223> BCMA-29 scFv

<400> 289

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
130 135 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
165 170 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
180 185 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr

```
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Leu Thr Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 290
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-29 HL x CD3 HL bispecific molecule

<400> 290

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
```

```
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Leu Thr Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365
```

```
Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500


<210>  291
<211>  5
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR1 of BCMA-30

<400>  291

Asp Tyr Tyr Ile Asn
1               5


<210>  292
<211>  17
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR2 of BCMA-30
```

<400> 292

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1 5 10 15

Gly

<210> 293
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-30

<400> 293

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 294
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-30

<400> 294

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 295
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-30

<400> 295

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 296
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-30

<400> 296

Ala Glu Thr Ser His Val Pro Trp Thr
1 5

<210> 297
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-30

<400> 297

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser
115

<210> 298
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-30

<400> 298

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Glu Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Ala Asp Phe Thr Leu Lys Ile
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ala Glu Thr
85 90 95

Ser His Val Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 299
<211> 246
<212> PRT
<213> artificial

<220>
<223> BCMA-30 scFv

<400> 299

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr

```
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

Leu Ser Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Lys Ser Ser
145                 150                 155                 160

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Ala
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ala Glu Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 300
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-30 HL x CD3 HL bispecific molecule

<400> 300

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
```

```
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

Leu Ser Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Lys Ser Ser
145                 150                 155                 160

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Ala
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ala Glu Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240
```

```
Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
```

```
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 301
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-31

<400> 301

```
Asp Tyr Tyr Ile Asn
1               5
```

<210> 302
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-31

<400> 302

```
Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1               5                   10                  15

Gly
```

<210> 303
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-31

<400> 303

```
Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1               5                   10
```

<210> 304

<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-31

<400> 304

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 305
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-31

<400> 305

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 306
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-31

<400> 306

Leu Thr Thr Ser His Val Pro Trp Thr
1 5

<210> 307
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-31

<400> 307

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

```
Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser
        115


<210>  308
<211>  112
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-31

<400>  308

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1               5                   10                  15

Glu Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
    50                  55                  60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Ala Asp Phe Thr Leu Lys Ile
65                  70                  75                  80

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Leu Thr Thr
                85                  90                  95
```

```
Ser His Val Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  309
<211>  246
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-31 scFv

<400>  309

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30


Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45


Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60


Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80


Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95


Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110


Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125


Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140


Leu Ser Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Lys Ser Ser
145                 150                 155                 160


Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175
```

```
Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Ala
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Leu Thr Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 310
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-31 HL x CD3 HL bispecific molecule

<400> 310

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110
```

```
Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

Leu Ser Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Lys Ser Ser
145                 150                 155                 160

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Ala
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Leu Thr Thr Ser His Val Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
```

```
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500


<210>  311
<211>  5
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR1 of BCMA-32

<400>  311

Asn His Ile Ile His
1               5


<210>  312
```

<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-32

<400> 312

Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Glu Lys Phe Gln
1 5 10 15

Gly

<210> 313
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-32

<400> 313

Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr
1 5 10

<210> 314
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-32

<400> 314

Gln Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 315
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-32

<400> 315

Tyr Thr Ser Arg Leu His Thr
1 5

<210> 316
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-32

<400> 316

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1 5

<210> 317
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-32

<400> 317

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Glu Lys Phe
50 55 60

Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 318

<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-32

<400> 318

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Tyr Thr Ser Arg Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Gln
65 70 75 80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Gly Asn Thr Leu Pro Trp
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 319
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-32 scFv

<400> 319

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

```
Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Glu Lys Phe
    50                  55                  60

Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Phe Thr Ile Ser Ser Leu Gln Gln Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 320
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-32 HL x CD3 HL bispecific molecule

<400> 320

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Glu Lys Phe
50 55 60

Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Gln
145 150 155 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
180 185 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
195 200 205

Phe Thr Ile Ser Ser Leu Gln Gln Glu Asp Ile Ala Thr Tyr Tyr Cys

```
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445
```

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 321
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-33

<400> 321

Asn His Ile Ile His
1 5

<210> 322
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-33

<400> 322

Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Glu Lys Phe Gln
1 5 10 15

Gly

<210> 323
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-33

<400> 323

Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr
1 5 10

<210> 324
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-33

<400> 324

Gln Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 325
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-33

<400> 325

Tyr Thr Ser Arg Leu His Thr
1 5

<210> 326
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-33

<400> 326

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1 5

<210> 327
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-33

<400> 327

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Glu Lys Phe
50 55 60

Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 328
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-33

<400> 328

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Tyr Thr Ser Arg Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Gln

65 70 75 80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Gly Asn Thr Leu Pro Trp
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 329
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-33 scFv

<400> 329

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Glu Lys Phe
50 55 60

Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Gln

```
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Phe Thr Ile Ser Ser Leu Gln Gln Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 330
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-33 HL x CD3 HL bispecific molecule

<400> 330

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
            20                  25                  30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Glu Lys Phe
    50                  55                  60

Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
```

```
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Phe Thr Ile Ser Ser Leu Gln Gln Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320
```

```
Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 331
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-34

<400> 331

Asn His Ile Ile His
1 5

<210> 332
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-34

<400> 332

Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Glu Lys Phe Gln
1 5 10 15

Gly

<210> 333
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-34

<400> 333

Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr
1 5 10

<210> 334
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-34

<400> 334

Gln Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 335
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-34

<400> 335

Tyr Thr Ser Arg Leu His Thr
1 5

<210> 336
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-34

<400> 336

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1 5

<210> 337
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-34

<400> 337

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Glu Lys Phe
50 55 60

Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
100 105 110

```
Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  338
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-34

<400>  338

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 Gln Ala Ser Gln Asp Ile Ser Asn Tyr
            20                  25                  30


Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45


Tyr Tyr Thr Ser Arg Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60


Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Glu Pro
65                  70                  75                  80


Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Gly Asn Thr Leu Pro Trp
                85                  90                  95


Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  339
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-34 scFv

<400>  339

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
```

```
            20                  25                  30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Glu Lys Phe
    50                  55                  60

Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Phe Thr Ile Ser Ser Leu Glu Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 340
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-34 HL x CD3 HL bispecific molecule

<400> 340

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Glu Lys Phe
50 55 60

Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Gln
145 150 155 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
180 185 190

```
Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Phe Thr Ile Ser Ser Leu Glu Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
```

```
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 341
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-35

<400> 341

```
Asn His Ile Ile His
1               5
```

<210> 342
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-35

<400> 342

```
Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Glu Lys Phe Gln
1               5                   10                  15

Gly
```

<210> 343
<211> 12
<212> PRT

<213> artificial

<220>
<223> VH CDR3 of BCMA-35

<400> 343

Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr
1 5 10

<210> 344
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-35

<400> 344

Gln Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 345
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-35

<400> 345

Tyr Thr Ser Arg Leu His Thr
1 5

<210> 346
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-35

<400> 346

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1 5

<210> 347
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-35

<400> 347

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Glu Lys Phe
50 55 60

Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 348
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-35

<400> 348

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 Gln Ala Ser Gln Asp Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

```
Tyr Tyr Thr Ser Arg Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Glu Pro
65                  70                  75                  80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Gly Asn Thr Leu Pro Trp
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105
```

<210> 349
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-35 scFv

<400> 349

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
            20                  25                  30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Glu Lys Phe
    50                  55                  60

Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125
```

```
Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Phe Thr Ile Ser Ser Leu Glu Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 350
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-35 HL x CD3 HL bispecific molecule

<400> 350

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
            20                  25                  30

Ile Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Glu Lys Phe
    50                  55                  60
```

```
Gln Gly Arg Ala Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Phe Thr Ile Ser Ser Leu Glu Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
```

```
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 351
<211> 5
<212> PRT

<213> artificial

<220>
<223> VH CDR1 of BCMA-36

<400> 351

Asn His Ile Ile His
1 5

<210> 352
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-36

<400> 352

Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Gln Lys Phe Gln
1 5 10 15

Gly

<210> 353
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-36

<400> 353

Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr
1 5 10

<210> 354
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-36

<400> 354

Gln Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 355

<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-36

<400> 355

Tyr Thr Ser Arg Leu His Thr
1 5

<210> 356
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-36

<400> 356

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1 5

<210> 357
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-36

<400> 357

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Lys Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys

```
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 358
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-36

<400> 358

```
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 Gln Ala Ser Gln Asp Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Arg Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Ser Phe Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Gly Asn Thr Leu Pro Trp
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105
```

<210> 359
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-36 scFv

<400> 359

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
            20                  25                  30

Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Arg Val Thr Met Thr Arg Asp Lys Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Arg Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser
        195                 200                 205

Phe Thr Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
```

225 230 235 240

Glu Ile Lys

<210> 360
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-36 HL x CD3 HL bispecific molecule

<400> 360

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Lys Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Gln
145 150 155 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro

```
                165                 170                 175

Gly Arg Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser
        195                 200                 205

Phe Thr Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400
```

```
Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 361
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-37

<400> 361

```
Asn His Ile Ile His
1               5
```

<210> 362
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-37

<400> 362

```
Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Gln Lys Phe Gln
1               5                   10                  15

Gly
```

<210> 363
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-37

<400> 363

Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr
1 5 10

<210> 364
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-37

<400> 364

Gln Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 365
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-37

<400> 365

Tyr Thr Ser Arg Leu His Thr
1 5

<210> 366
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-37

<400> 366

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1 5

<210> 367
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-37

<400> 367

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Lys Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 368
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-37

<400> 368

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 Gln Ala Ser Gln Asp Ile Ser Asn Tyr

```
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Arg Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Ser Phe Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Gly Asn Thr Leu Pro Trp
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  369
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-37 scFv

<400>  369

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
            20                  25                  30

Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Arg Val Thr Met Thr Arg Asp Lys Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
```

```
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Arg Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser
        195                 200                 205

Phe Thr Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 370
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-37 HL x CD3 HL bispecific molecule

<400> 370

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
            20                  25                  30

Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Met
```

```
        35                  40                  45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Arg Val Thr Met Thr Arg Asp Lys Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Arg Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser
        195                 200                 205

Phe Thr Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270
```

```
Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 371
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-38

<400> 371

Asn His Ile Ile His
1 5

<210> 372
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-38

<400> 372

Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Gln Lys Phe Gln
1 5 10 15

Gly

<210> 373
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-38

<400> 373

Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr
1 5 10

<210> 374
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-38

<400> 374

```
Gln Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1               5                   10


<210>  375
<211>  7
<212>  PRT
<213>  artificial

<220>
<223>  VL CDR2 of BCMA-38

<400>  375

Tyr Thr Ser Arg Leu His Thr
1               5


<210>  376
<211>  9
<212>  PRT
<213>  artificial

<220>
<223>  VL CDR3 of BCMA-38

<400>  376

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1               5


<210>  377
<211>  121
<212>  PRT
<213>  artificial

<220>
<223>  VH of BCMA-38

<400>  377

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


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
            20                  25                  30


Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Ile
        35                  40                  45


Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Gln Lys Phe
    50                  55                  60
```

```
Gln Gly Lys Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80


Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  378
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-38

<400>  378

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly
1               5                   10                  15


Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Ser Asn Tyr
            20                  25                  30


Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45


Tyr Tyr Thr Ser Arg Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60


Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Gln
65                  70                  75                  80


Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Gly Asn Thr Leu Pro Trp
                85                  90                  95


Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  379
<211>  243
<212>  PRT
```

<213> artificial

<220>
<223> BCMA-38 scFv

<400> 379

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Ile Lys Pro Gly Ala
1               5                  10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
            20                  25                  30

Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Ile
        35                  40                  45

Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Lys Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205
```

```
Phe Thr Ile Ser Ser Leu Gln Gln Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 380
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-38 HL x CD3 HL bispecific molecule

<400> 380

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Ile Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
            20                  25                  30

Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Ile
        35                  40                  45

Gly Tyr Ile Asn Pro Tyr Pro Gly Tyr His Ala Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Lys Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Thr Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140
```

```
Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Phe Thr Ile Ser Ser Leu Gln Gln Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
```

370 375 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385 390 395 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
405 410 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
420 425 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 381
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-39

<400> 381

Asn His Ile Ile His
1 5

<210> 382
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-39

<400> 382

Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Gln Lys Phe Gln
1 5 10 15

Gly

<210> 383
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-39

<400> 383

Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr
1 5 10

<210> 384
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-39

<400> 384

Gln Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 385
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-39

<400> 385

Tyr Thr Ser Arg Leu His Thr
1 5

<210> 386
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-39

<400> 386

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1 5

<210> 387
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-39

<400> 387

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
20 25 30

Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Ile
35 40 45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Gln Lys Phe
50 55 60

Gln Gly Lys Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 388
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-39

<400> 388

```
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly
1               5                  10                  15

Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Arg Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Gln
65                  70                  75                  80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Gly Asn Thr Leu Pro Trp
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105
```

<210> 389
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-39 scFv

<400> 389

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Ile Lys Pro Gly Ala
1               5                  10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
            20                  25                  30

Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Ile
        35                  40                  45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Lys Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80
```

```
Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Phe Thr Ile Ser Ser Leu Gln Gln Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 390
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-39 HL x CD3 HL bispecific molecule

<400> 390

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Ile Lys Pro Gly Ala
1               5                   10                  15
```

```
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn His
            20                  25                  30

Ile Ile His Trp Val Arg Gln Lys Pro Gly Gln Gly Leu Glu Trp Ile
        35                  40                  45

Gly Tyr Ile Asn Pro Tyr Asp Gly Trp Gly Asp Tyr Asn Gln Lys Phe
    50                  55                  60

Gln Gly Lys Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Asp Gly Tyr Tyr Arg Asp Ala Asp Val Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Gln
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Thr
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Phe Thr Ile Ser Ser Leu Gln Gln Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
```

```
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480
```

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 391
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-40

<400> 391

Asp Tyr Tyr Ile Asn
1 5

<210> 392
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-40

<400> 392

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1 5 10 15

Gly

<210> 393
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-40

<400> 393

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 394
<211> 16
<212> PRT

<213> artificial

<220>
<223> VL CDR1 of BCMA-40

<400> 394

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 395
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-40

<400> 395

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 396
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-40

<400> 396

Ser Gln Ser Ser Thr Ala Pro Trp Thr
1 5

<210> 397
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-40

<400> 397

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met

```
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser
        115


<210>  398
<211>  112
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-40

<400>  398

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Thr Leu Gly
1               5                   10                  15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ser Gln Ser
                85                  90                  95

Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
```

```
            100                 105                 110


<210>  399
<211>  246
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-40 scFv

<400>  399

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                  10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30


Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45


Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60


Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80


Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95


Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110


Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125


Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140


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


Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175


Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
```

```
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 400
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-40 HL x CD3 HL bispecific molecule

<400> 400

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
```

```
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350
```

```
His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 401
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-41

<400> 401

```
Asp Tyr Tyr Ile Asn
1               5
```

<210> 402
<211> 17
<212> PRT

<213> artificial

<220>
<223> VH CDR2 of BCMA-41

<400> 402

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1 5 10 15

Gly

<210> 403
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-41

<400> 403

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 404
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-41

<400> 404

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 405
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-41

<400> 405

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 406

<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-41

<400> 406

Ser Gln Ser Ser Ile Tyr Pro Trp Thr
1 5

<210> 407
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-41

<400> 407

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser
115

<210> 408
<211> 112
<212> PRT

<213> artificial

<220>
<223> VL of BCMA-41

<400> 408

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Thr Leu Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ser Gln Ser
85 90 95

Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 409
<211> 246
<212> PRT
<213> artificial

<220>
<223> BCMA-41 scFv

<400> 409

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe

```
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 410
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-41 HL x CD3 HL bispecific molecule

<400> 410

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
130 135 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
165 170 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
180 185 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
195 200 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
210 215 220

```
Tyr Tyr Cys Ser Gln Ser Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
```

```
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 411
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-42

<400> 411

```
Asp Tyr Tyr Ile Asn
1               5
```

<210> 412
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-42

<400> 412

```
Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1               5                   10                  15

Gly
```

<210> 413
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-42

<400> 413

```
Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
```

1 5 10

<210> 414
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-42

<400> 414

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 415
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-42

<400> 415

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 416
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-42

<400> 416

Ser Gln Ser Thr Tyr Pro Glu Phe Thr
1 5

<210> 417
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-42

<400> 417

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

```
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser
        115


<210>  418
<211>  112
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-42

<400>  418

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Thr Leu Gly
1               5                   10                  15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ser Gln Ser
                85                  90                  95

Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  419
<211>  246
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-42 scFv

<400>  419

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

Leu Pro Val Thr Leu Gly Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser
145                 150                 155                 160
```

```
Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 420
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-42 HL x CD3 HL bispecific molecule

<400> 420

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95
```

```
Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
```

```
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500


<210>  421
<211>  5
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR1 of BCMA-43

<400>  421

Asp Tyr Tyr Ile Asn
```

1 5

<210> 422
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-43

<400> 422

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1 5 10 15

Gly

<210> 423
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-43

<400> 423

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 424
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-43

<400> 424

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 425
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-43

<400> 425

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 426
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-43

<400> 426

Ser Gln Ser Ser Thr Ala Pro Trp Thr
1 5

<210> 427
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-43

<400> 427

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser

115

<210> 428
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-43

<400> 428

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ser Gln Ser
85 90 95

Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 429
<211> 246
<212> PRT
<213> artificial

<220>
<223> BCMA-43 scFv

<400> 429

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

```
Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245

<210>  430
```

<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-43 HL x CD3 HL bispecific molecule

<400> 430

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
130 135 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
165 170 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
180 185 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr

```
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430
```

```
Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 431
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-44

<400> 431

```
Asp Tyr Tyr Ile Asn
1               5
```

<210> 432
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-44

<400> 432

```
Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1               5                   10                  15

Gly
```

<210> 433
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-44

<400> 433

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 434
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-44

<400> 434

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 435
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-44

<400> 435

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 436
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-44

<400> 436

Ser Gln Ser Ser Ile Tyr Pro Trp Thr
1 5

<210> 437
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-44

<400> 437

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser
115

<210> 438
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-44

<400> 438

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ser Gln Ser
                85                  90                  95

Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  439
<211>  246
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-44 scFv

<400>  439

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
```

```
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 440
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-44 HL x CD3 HL bispecific molecule

<400> 440

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
```

```
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300
```

```
Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 441
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-45

<400> 441

Asp Tyr Tyr Ile Asn
1 5

<210> 442
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-45

<400> 442

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1 5 10 15

Gly

<210> 443
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-45

<400> 443

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 444
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-45

<400> 444

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 445
<211> 7
<212> PRT

<213> artificial

<220>
<223> VL CDR2 of BCMA-45

<400> 445

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 446
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-45

<400> 446

Ser Gln Ser Thr Tyr Pro Glu Phe Thr
1 5

<210> 447
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-45

<400> 447

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

```
Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110


Thr Met Val Thr Val Ser Ser
        115


<210>  448
<211>  112
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-45

<400>  448

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1               5                   10                  15


Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
            20                  25                  30


Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45


Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ser Gln Ser
                85                  90                  95


Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  449
<211>  246
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-45 scFv

<400>  449

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
```

```
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly
225                 230                 235                 240
```

Thr Lys Leu Glu Ile Lys
245

<210> 450
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-45 HL x CD3 HL bispecific molecule

<400> 450

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
130 135 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
165 170 175

```
Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
```

```
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 451
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-46

<400> 451

```
Asp Tyr Tyr Ile Asn
1               5
```

<210> 452
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-46

<400> 452

```
Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe Thr
1               5                   10                  15

Gly
```

<210> 453
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-46

<400> 453

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 454
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-46

<400> 454

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 455
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-46

<400> 455

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 456
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-46

<400> 456

Ser Gln Ser Ser Thr Ala Pro Trp Thr
1 5

<210> 457

<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-46

<400> 457

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser
115

<210> 458
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-46

<400> 458

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Ser Leu Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
20 25 30

```
Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ser Gln Ser
                85                  90                  95

Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  459
<211>  246
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-46 scFv

<400>  459

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110
```

```
Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 460
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-46 HL x CD3 HL bispecific molecule

<400> 460

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45
```

```
Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
```

```
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 461
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-47

<400> 461

Asp Tyr Tyr Ile Asn
1 5

<210> 462
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-47

<400> 462

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe Thr
1 5 10 15

Gly

<210> 463
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-47

<400> 463

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 464
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-47

<400> 464

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His

1 5 10 15

<210> 465
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-47

<400> 465

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 466
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-47

<400> 466

Ser Gln Ser Ser Ile Tyr Pro Trp Thr
1 5

<210> 467
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-47

<400> 467

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr

65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser
115

<210> 468
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-47

<400> 468

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Ser Leu Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ser Gln Ser
85 90 95

Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 469
<211> 246
<212> PRT
<213> artificial

<220>
<223> BCMA-47 scFv

<400> 469

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
130 135 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
165 170 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
180 185 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
195 200 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val

```
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 470
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-47 HL x CD3 HL bispecific molecule

<400> 470

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

Leu Ser Val Ser Leu Gly Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser
```

```
145                 150                 155                 160

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380
```

```
Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 471
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-48

<400> 471

```
Asp Tyr Tyr Ile Asn
1               5
```

<210> 472
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-48

<400> 472

```
Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe Thr
```

1 5 10 15

Gly

<210> 473
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-48

<400> 473

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 474
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-48

<400> 474

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 475
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-48

<400> 475

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 476
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-48

<400> 476

```
Ser Gln Ser Thr Tyr Pro Glu Phe Thr
1               5


<210>  477
<211>  119
<212>  PRT
<213>  artificial

<220>
<223>  VH of BCMA-48

<400>  477

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30


Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45


Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe
    50                  55                  60


Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80


Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95


Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110


Thr Met Val Thr Val Ser Ser
        115


<210>  478
<211>  112
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-48

<400>  478

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Ser Leu Gly
```

```
1               5                   10                  15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Ser Gln Ser
                85                  90                  95

Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110
```

<210> 479
<211> 246
<212> PRT
<213> artificial

<220>
<223> BCMA-48 scFv

<400> 479

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
```

```
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 480
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-48 HL x CD3 HL bispecific molecule

<400> 480

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
```

```
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255
```

```
Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
```

485 490 495

Lys Leu Thr Val Leu
500

<210> 481
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-49

<400> 481

Asp Tyr Tyr Ile Asn
1 5

<210> 482
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-49

<400> 482

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1 5 10 15

Gly

<210> 483
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-49

<400> 483

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 484
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-49

<400> 484

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 485
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-49

<400> 485

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 486
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-49

<400> 486

Ser Gln Ser Ser Thr Ala Pro Trp Thr
1 5

<210> 487
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-49

<400> 487

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser
115

<210> 488
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-49

<400> 488

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Ile Tyr Tyr Cys Ser Gln Ser
85 90 95

Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 489
<211> 246
<212> PRT
<213> artificial

<220>
<223> BCMA-49 scFv

<400> 489

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30


Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45


Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60


Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Thr Ala Tyr
65                  70                  75                  80


Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95


Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110


Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125


Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140


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


Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175


Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190
```

```
Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Ile
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 490
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-49 HL x CD3 HL bispecific molecule

<400> 490

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125
```

```
Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Ile
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Thr Ala Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
```

```
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500


<210>  491
<211>  5
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR1 of BCMA-50

<400>  491

Asp Tyr Tyr Ile Asn
1               5


<210>  492
<211>  17
<212>  PRT
<213>  artificial
```

<220>
<223> VH CDR2 of BCMA-50

<400> 492

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1   5   10   15

Gly

<210> 493
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-50

<400> 493

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1   5   10

<210> 494
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-50

<400> 494

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1   5   10   15

<210> 495
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-50

<400> 495

Lys Val Ser Asn Arg Phe Ser
1   5

<210> 496
<211> 9
<212> PRT

<213> artificial

<220>
<223> VL CDR3 of BCMA-50

<400> 496

Ser Gln Ser Ser Ile Tyr Pro Trp Thr
1 5

<210> 497
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-50

<400> 497

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Met Val Thr Val Ser Ser
115

<210> 498
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-50

<400> 498

Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1 5 10 15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Ile Tyr Tyr Cys Ser Gln Ser
85 90 95

Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 499
<211> 246
<212> PRT
<213> artificial

<220>
<223> BCMA-50 scFv

<400> 499

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
20 25 30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
50 55 60

```
Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Ile
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 500
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-50 HL x CD3 HL bispecific molecule

<400> 500

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Ile
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Ser Ile Tyr Pro Trp Thr Phe Gly Gln Gly
```

```
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335

Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460
```

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465 470 475 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
485 490 495

Lys Leu Thr Val Leu
500

<210> 501
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-51

<400> 501

Asp Tyr Tyr Ile Asn
1 5

<210> 502
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-51

<400> 502

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe Thr
1 5 10 15

Gly

<210> 503
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-51

<400> 503

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 504
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-51

<400> 504

Lys Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 505
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-51

<400> 505

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 506
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-51

<400> 506

Ser Gln Ser Thr Tyr Pro Glu Phe Thr
1 5

<210> 507
<211> 119
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-51

<400> 507

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr

```
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110

Thr Met Val Thr Val Ser Ser
        115
```

<210> 508
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-51

<400> 508

```
Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
1               5                   10                  15

Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Val His Ser
            20                  25                  30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
        35                  40                  45

Pro Gln Leu Leu Ile Tyr Lys Val 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 Arg Val Glu Ala Glu Asp Val Gly Ile Tyr Tyr Cys Ser Gln Ser
```

```
                85                  90                  95

Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110


<210>  509
<211>  246
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-51 scFv

<400>  509

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30


Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45


Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60


Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Thr Ala Tyr
65                  70                  75                  80


Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95


Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
            100                 105                 110


Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125


Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140


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


Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
```

```
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Ile
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys
                245
```

<210> 510
<211> 501
<212> PRT
<213> artificial

<220>
<223> BCMA-51 HL x CD3 HL bispecific molecule

<400> 510

```
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Pro Asp Tyr
            20                  25                  30

Tyr Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Gln Lys Phe
    50                  55                  60

Thr Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln Gly
```

```
            100                 105                 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
        115                 120                 125

Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Thr Pro Leu Ser
    130                 135                 140

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

Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu
                165                 170                 175

Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Lys Val Ser Asn
            180                 185                 190

Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr
        195                 200                 205

Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Ile
    210                 215                 220

Tyr Tyr Cys Ser Gln Ser Thr Tyr Pro Glu Phe Thr Phe Gly Gln Gly
225                 230                 235                 240

Thr Lys Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu
                245                 250                 255

Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu
            260                 265                 270

Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp
        275                 280                 285

Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg
    290                 295                 300

Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp
305                 310                 315                 320

Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln
                325                 330                 335
```

```
Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg
            340                 345                 350

His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly
        355                 360                 365

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
    370                 375                 380

Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro
385                 390                 395                 400

Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser
                405                 410                 415

Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln
            420                 425                 430

Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu
        435                 440                 445

Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys
    450                 455                 460

Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr
465                 470                 475                 480

Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr
                485                 490                 495

Lys Leu Thr Val Leu
            500
```

<210> 511
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-52

<400> 511

```
Asn Ala Trp Met Asp
1               5
```

<210> 512
<211> 19
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-52

<400> 512

Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Glu Pro
1 5 10 15

Val Lys Gly

<210> 513
<211> 4
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-52

<400> 513

Asp Gly Tyr His
1

<210> 514
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-52

<400> 514

Arg Ala Ser Glu Asp Ile Arg Asn Gly Leu Ala
1 5 10

<210> 515
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-52

<400> 515

Asn Ala Asn Ser Leu His Thr

1 5

<210> 516
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-52

<400> 516

Glu Asp Thr Ser Lys Tyr Pro Tyr Thr
1 5

<210> 517
<211> 115
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-52

<400> 517

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
20 25 30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val
35 40 45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Glu
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

<210> 518
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-52

<400> 518

Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Glu Thr Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg Asn Gly
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Lys Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Glu Ala Thr Tyr Tyr Cys Glu Asp Thr Ser Lys Tyr Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 519
<211> 237
<212> PRT
<213> artificial

<220>
<223> BCMA-52 scFv

<400> 519

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
20 25 30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val

```
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Glu
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140

Val Gly Glu Thr Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160

Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Lys Ile Ser Ser Leu
        195                 200                 205

Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys Glu Asp Thr Ser Lys Tyr
    210                 215                 220

Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
225                 230                 235


<210>  520
<211>  492
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-52 HL x CD3 HL bispecific molecule
```

<400> 520

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
            20                  25                  30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Glu
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140

Val Gly Glu Thr Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160

Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Lys Ile Ser Ser Leu
        195                 200                 205

Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys Glu Asp Thr Ser Lys Tyr
    210                 215                 220
```

```
Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Ser Gly Gly
225                 230                 235                 240

Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
                245                 250                 255

Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
            260                 265                 270

Asn Lys Tyr Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
        275                 280                 285

Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr
    290                 295                 300

Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser
305                 310                 315                 320

Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr
                325                 330                 335

Ala Val Tyr Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile
            340                 345                 350

Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
        355                 360                 365

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln
    370                 375                 380

Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr
385                 390                 395                 400

Val Thr Leu Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn
                405                 410                 415

Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu
            420                 425                 430

Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser
        435                 440                 445

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln
```

```
    450                 455                 460

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg
465                 470                 475                 480

Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
                485                 490

<210>  521
<211>  5
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR1 of BCMA-53

<400>  521

Asn Ala Trp Met Asp
1               5

<210>  522
<211>  19
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR2 of BCMA-53

<400>  522

Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala Pro
1               5                   10                  15

Val Lys Gly

<210>  523
<211>  4
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR3 of BCMA-53

<400>  523

Asp Gly Tyr His
1

<210>  524
```

<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-53

<400> 524

Arg Ala Ser Glu Asp Ile Arg Asn Gly Leu Ala
1 5 10

<210> 525
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-53

<400> 525

Asn Ala Asn Ser Leu His Ser
1 5

<210> 526
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-53

<400> 526

Glu Asp Thr Ser Lys Tyr Pro Tyr Thr
1 5

<210> 527
<211> 115
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-53

<400> 527

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
20 25 30

```
Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser
        115


<210>  528
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-53

<400>  528

Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1               5                   10                  15

Asp Arg Val Thr Ile Lys Cys Arg Ala Ser Glu Asp Ile Arg Asn Gly
            20                  25                  30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Asn Ala Asn Ser Leu His 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 Met Gln Pro
65                  70                  75                  80

Glu Asp Glu Gly Thr Tyr Tyr Cys Glu Asp Thr Ser Lys Tyr Pro Tyr
                85                  90                  95
```

```
Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210>  529
<211>  237
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-53 scFv

<400>  529

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1               5                   10                  15


Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
            20                  25                  30


Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
        35                  40                  45


Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
    50                  55                  60


Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80


Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
                85                  90                  95


Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110


Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125


Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140


Val Gly Asp Arg Val Thr Ile Lys Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160


Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175
```

```
Leu Ile Tyr Asn Ala Asn Ser Leu His Ser Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Met
        195                 200                 205

Gln Pro Glu Asp Glu Gly Thr Tyr Tyr Cys Glu Asp Thr Ser Lys Tyr
    210                 215                 220

Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
225                 230                 235


<210>  530
<211>  492
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-53 HL x CD3 HL bispecific molecule

<400>  530

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
            20                  25                  30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125
```

```
Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140

Val Gly Asp Arg Val Thr Ile Lys Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160

Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Ser Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Met
        195                 200                 205

Gln Pro Glu Asp Glu Gly Thr Tyr Tyr Cys Glu Asp Thr Ser Lys Tyr
    210                 215                 220

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

Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
                245                 250                 255

Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
            260                 265                 270

Asn Lys Tyr Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
        275                 280                 285

Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr
    290                 295                 300

Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser
305                 310                 315                 320

Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr
                325                 330                 335

Ala Val Tyr Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile
            340                 345                 350

Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
```

```
        355                 360                 365

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln
    370                 375                 380

Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr
385                 390                 395                 400

Val Thr Leu Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn
                405                 410                 415

Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu
            420                 425                 430

Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser
        435                 440                 445

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln
    450                 455                 460

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg
465                 470                 475                 480

Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
                485                 490


<210>  531
<211>  5
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR1 of BCMA-54

<400>  531

Asn Ala Trp Met Asp
1               5


<210>  532
<211>  19
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR2 of BCMA-54

<400>  532
```

Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala Pro
1 5 10 15

Val Lys Gly

<210> 533
<211> 4
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-54

<400> 533

Asp Gly Tyr His
1

<210> 534
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-54

<400> 534

Arg Ala Ser Glu Asp Ile Arg Asn Gly Leu Ala
1 5 10

<210> 535
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-54

<400> 535

Asn Ala Asn Ser Leu His Thr
1 5

<210> 536
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-54

<400> 536

Glu Asp Thr Ser Lys Tyr Pro Tyr Thr
1 5

<210> 537
<211> 115
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-54

<400> 537

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
20 25 30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
35 40 45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

<210> 538
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-54

<400> 538

```
Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1               5                  10                  15

Asp Arg Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg Asn Gly
            20                  25                  30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Asn Ala Asn Ser Leu His Thr 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 Glu Ala Ile Tyr Tyr Cys Glu Asp Thr Ser Lys Tyr Pro Tyr
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105
```

<210> 539
<211> 237
<212> PRT
<213> artificial

<220>
<223> BCMA-54 scFv

<400> 539

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
            20                  25                  30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80
```

```
Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140

Val Gly Asp Arg Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160

Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu
        195                 200                 205

Gln Pro Glu Asp Glu Ala Ile Tyr Tyr Cys Glu Asp Thr Ser Lys Tyr
    210                 215                 220

Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
225                 230                 235


<210>  540
<211>  492
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-54 HL x CD3 HL bispecific molecule

<400>  540

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
            20                  25                  30
```

```
Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140

Val Gly Asp Arg Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160

Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu
        195                 200                 205

Gln Pro Glu Asp Glu Ala Ile Tyr Tyr Cys Glu Asp Thr Ser Lys Tyr
    210                 215                 220

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

Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
                245                 250                 255

Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
```

```
            260                 265                 270

Asn Lys Tyr Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
        275                 280                 285

Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr
    290                 295                 300

Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser
305                 310                 315                 320

Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr
                325                 330                 335

Ala Val Tyr Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile
            340                 345                 350

Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
        355                 360                 365

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln
    370                 375                 380

Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr
385                 390                 395                 400

Val Thr Leu Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn
                405                 410                 415

Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu
            420                 425                 430

Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser
        435                 440                 445

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln
    450                 455                 460

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg
465                 470                 475                 480

Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
                485                 490
```

<210> 541
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-55

<400> 541

Asn Ala Trp Met Asp
1 5

<210> 542
<211> 19
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-55

<400> 542

Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala Pro
1 5 10 15

Val Lys Gly

<210> 543
<211> 4
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-55

<400> 543

Asp Gly Tyr His
1

<210> 544
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-55

<400> 544

Arg Ala Ser Glu Asp Ile Arg Asn Gly Leu Ala

1 5 10

<210> 545
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-55

<400> 545

Asn Ala Asn Ser Leu His Thr
1 5

<210> 546
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-55

<400> 546

Glu Glu Thr Leu Lys Tyr Pro Tyr Thr
1 5

<210> 547
<211> 115
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-55

<400> 547

Glu Val Gln Leu Val Glu Ser Gly Gly Ser Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
20 25 30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val
35 40 45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr

65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Glu Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

<210> 548
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-55

<400> 548

Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg Asn Gly
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Leu Gln Pro
65 70 75 80

Glu Asp Glu Ala Thr Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 549
<211> 237
<212> PRT
<213> artificial

<220>
<223> BCMA-55 scFv

<400> 549

Glu Val Gln Leu Val Glu Ser Gly Gly Ser Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
20 25 30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val
35 40 45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Glu Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
130 135 140

Val Gly Asp Arg Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg
145 150 155 160

Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
165 170 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe
180 185 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Leu
195 200 205

Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr

```
    210                 215                 220

Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
225                 230                 235


<210>  550
<211>  492
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-55 HL x CD3 HL bispecific molecule

<400>  550

Glu Val Gln Leu Val Glu Ser Gly Gly Ser Leu Val Lys Pro Gly Gly
1               5                   10                  15


Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
            20                  25                  30


Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val
        35                  40                  45


Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
    50                  55                  60


Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80


Leu Tyr Leu Gln Met Asn Ser Leu Lys Glu Glu Asp Thr Ala Val Tyr
                85                  90                  95


Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110


Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125


Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140


Val Gly Asp Arg Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160


Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
```

```
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Leu
        195                 200                 205

Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr
    210                 215                 220

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

Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
                245                 250                 255

Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
            260                 265                 270

Asn Lys Tyr Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
        275                 280                 285

Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr
    290                 295                 300

Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser
305                 310                 315                 320

Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr
                325                 330                 335

Ala Val Tyr Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile
            340                 345                 350

Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
        355                 360                 365

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln
    370                 375                 380

Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr
385                 390                 395                 400
```

```
Val Thr Leu Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn
                405                 410                 415

Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu
            420                 425                 430

Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser
        435                 440                 445

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln
    450                 455                 460

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg
465                 470                 475                 480

Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
                485                 490


<210>  551
<211>  5
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR1 of BCMA-56

<400>  551

Asn Ala Trp Met Asp
1               5


<210>  552
<211>  19
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR2 of BCMA-56

<400>  552

Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Glu Pro
1               5                   10                  15

Val Lys Gly



<210>  553
```

<211> 4
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-56

<400> 553

Asp Gly Tyr His
1

<210> 554
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-56

<400> 554

Arg Ala Ser Glu Asp Ile Arg Asn Gly Leu Ala
1 5 10

<210> 555
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-56

<400> 555

Asn Ala Asn Ser Leu His Thr
1 5

<210> 556
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-56

<400> 556

Glu Glu Thr Leu Lys Tyr Pro Tyr Thr
1 5

<210> 557
<211> 115
<212> PRT

<213> artificial

<220>
<223> VH of BCMA-56

<400> 557

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
20 25 30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val
35 40 45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Glu
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

<210> 558
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-56

<400> 558

Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Glu Thr Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg Asn Gly
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile

```
        35                  40                  45

Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Lys Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Glu Ala Thr Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr Pro Tyr
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210>  559
<211>  237
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-56 scFv

<400>  559

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
            20                  25                  30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Glu
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
```

```
        115                 120                 125

Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140

Val Gly Glu Thr Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160

Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Lys Ile Ser Ser Leu
        195                 200                 205

Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr
    210                 215                 220

Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
225                 230                 235


<210>  560
<211>  492
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-56 HL x CD3 HL bispecific molecule

<400>  560

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
            20                  25                  30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Val
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Glu
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
```

```
65                  70                  75                  80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140

Val Gly Glu Thr Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160

Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Lys Ile Ser Ser Leu
        195                 200                 205

Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr
    210                 215                 220

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

Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
                245                 250                 255

Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
            260                 265                 270

Asn Lys Tyr Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
        275                 280                 285

Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr
    290                 295                 300
```

```
Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser
305                 310                 315                 320

Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr
                325                 330                 335

Ala Val Tyr Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile
            340                 345                 350

Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
        355                 360                 365

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln
    370                 375                 380

Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr
385                 390                 395                 400

Val Thr Leu Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn
                405                 410                 415

Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu
            420                 425                 430

Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser
        435                 440                 445

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln
    450                 455                 460

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg
465                 470                 475                 480

Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
                485                 490
```

<210> 561
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-57

<400> 561

Asn Ala Trp Met Asp
1 5

<210> 562
<211> 19
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-57

<400> 562

Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala Pro
1 5 10 15

Val Lys Gly

<210> 563
<211> 4
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-57

<400> 563

Asp Gly Tyr His
1

<210> 564
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-57

<400> 564

Arg Ala Ser Glu Asp Ile Arg Asn Gly Leu Ala
1 5 10

<210> 565
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-57

<400> 565

Asn Ala Asn Ser Leu His Thr
1 5

<210> 566
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-57

<400> 566

Glu Glu Thr Leu Lys Tyr Pro Tyr Thr
1 5

<210> 567
<211> 115
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-57

<400> 567

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
20 25 30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
35 40 45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
        115

<210> 568
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-57

<400> 568

Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1   5   10   15

Asp Arg Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg Asn Gly
            20   25   30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35   40   45

Tyr Asn Ala Asn Ser Leu His Thr 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 Glu Ala Ile Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr Pro Tyr
                85   90   95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100   105

<210> 569
<211> 237
<212> PRT
<213> artificial

<220>
<223> BCMA-57 scFv

<400> 569

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1   5   10   15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala

```
            20                  25                  30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140

Val Gly Asp Arg Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160

Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu
        195                 200                 205

Gln Pro Glu Asp Glu Ala Ile Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr
    210                 215                 220

Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
225                 230                 235

<210>  570
<211>  492
<212>  PRT
```

<213> artificial

<220>
<223> BCMA-57 HL x CD3 HL bispecific molecule

<400> 570

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
            20                  25                  30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140

Val Gly Asp Arg Val Thr Ile Ala Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160

Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Thr Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu
        195                 200                 205
```

```
Gln Pro Glu Asp Glu Ala Ile Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr
    210                 215                 220

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

Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
                245                 250                 255

Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
            260                 265                 270

Asn Lys Tyr Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
        275                 280                 285

Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr
    290                 295                 300

Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser
305                 310                 315                 320

Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr
                325                 330                 335

Ala Val Tyr Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile
            340                 345                 350

Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
        355                 360                 365

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln
    370                 375                 380

Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr
385                 390                 395                 400

Val Thr Leu Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn
                405                 410                 415

Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu
            420                 425                 430

Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser
```

```
        435                 440                 445

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln
    450                 455                 460

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg
465                 470                 475                 480

Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
                485                 490
```

<210> 571
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-58

<400> 571

```
Asn Ala Trp Met Asp
1               5
```

<210> 572
<211> 19
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-58

<400> 572

```
Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala Pro
1               5                   10                  15

Val Lys Gly
```

<210> 573
<211> 4
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-58

<400> 573

```
Asp Gly Tyr His
```

1

<210> 574
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-58

<400> 574

Arg Ala Ser Glu Asp Ile Arg Asn Gly Leu Ala
1 5 10

<210> 575
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-58

<400> 575

Asn Ala Asn Ser Leu His Ser
1 5

<210> 576
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-58

<400> 576

Glu Glu Thr Leu Lys Tyr Pro Tyr Thr
1 5

<210> 577
<211> 115
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-58

<400> 577

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
20 25 30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
35 40 45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

<210> 578
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-58

<400> 578

Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Lys Cys Arg Ala Ser Glu Asp Ile Arg Asn Gly
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Asn Ala Asn Ser Leu His 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 Met Gln Pro
65 70 75 80

```
Glu Asp Glu Gly Thr Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr Pro Tyr
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105
```

<210> 579
<211> 237
<212> PRT
<213> artificial

<220>
<223> BCMA-58 scFv

<400> 579

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
            20                  25                  30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140

Val Gly Asp Arg Val Thr Ile Lys Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160
```

```
Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Ser Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Met
        195                 200                 205

Gln Pro Glu Asp Glu Gly Thr Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr
    210                 215                 220

Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
225                 230                 235


<210>  580
<211>  492
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-58 HL x CD3 HL bispecific molecule

<400>  580

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Glu
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
            20                  25                  30

Trp Met Asp Trp Val Arg Gln Ala Pro Gly Lys Arg Leu Glu Trp Ile
        35                  40                  45

Ala Gln Ile Thr Ala Lys Ser Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
    50                  55                  60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65                  70                  75                  80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Lys Glu Asp Thr Ala Val Tyr
                85                  90                  95

Tyr Cys Thr Asp Asp Gly Tyr His Trp Gly Gln Gly Thr Leu Val Thr
            100                 105                 110
```

```
Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser
    130                 135                 140

Val Gly Asp Arg Val Thr Ile Lys Cys Arg Ala Ser Glu Asp Ile Arg
145                 150                 155                 160

Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu
                165                 170                 175

Leu Ile Tyr Asn Ala Asn Ser Leu His Ser Gly Val Pro Ser Arg Phe
            180                 185                 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Met
        195                 200                 205

Gln Pro Glu Asp Glu Gly Thr Tyr Tyr Cys Glu Glu Thr Leu Lys Tyr
    210                 215                 220

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

Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln
                245                 250                 255

Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
            260                 265                 270

Asn Lys Tyr Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
        275                 280                 285

Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr
    290                 295                 300

Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser
305                 310                 315                 320

Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr
                325                 330                 335

Ala Val Tyr Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile
```

```
            340                 345                 350

Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
        355                 360                 365

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln
    370                 375                 380

Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr
385                 390                 395                 400

Val Thr Leu Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn
                405                 410                 415

Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu
            420                 425                 430

Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser
        435                 440                 445

Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln
    450                 455                 460

Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg
465                 470                 475                 480

Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
                485                 490


<210>  581
<211>  5
<212>  PRT
<213>  artificial

<220>
<223>  VH CDR1 of BCMA-59

<400>  581

Asn Tyr Asp Met Ala
1               5


<210>  582
<211>  17
<212>  PRT
<213>  artificial
```

<220>
<223> VH CDR2 of BCMA-59

<400> 582

Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 583
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-59

<400> 583

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 584
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-59

<400> 584

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 585
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-59

<400> 585

Gly Ala Ser Asn Arg His Thr
1 5

<210> 586
<211> 9
<212> PRT

<213> artificial

<220>
<223> VL CDR3 of BCMA-59

<400> 586

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 587
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-59

<400> 587

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 588
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-59

<400> 588

Glu Ile Val Met Thr Gln Ser Pro Ala Ser Met Ser Val Ser Pro Gly
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
20 25 30

Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser
65 70 75 80

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
100 105

<210> 589
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-59 scFv

<400> 589

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
50 55 60

```
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Ser Met Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys
```

<210> 590
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-59 HL x CD3 HL bispecific molecule

<400> 590

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Ser Met Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
```

```
225                 230                 235                 240

Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460
```

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 591
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-60

<400> 591

Asn Tyr Asp Met Ala
1 5

<210> 592
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-60

<400> 592

Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 593
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-60

<400> 593

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 594
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-60

<400> 594

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 595
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-60

<400> 595

Gly Ala Ser Asn Arg His Thr
1 5

<210> 596
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-60

<400> 596

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 597
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-60

<400> 597

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr

```
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 598
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-60

<400> 598

```
Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1               5                   10                  15

Glu Arg Val Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
            20                  25                  30

Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
        35                  40                  45

Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Arg Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser
65                  70                  75                  80

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
```

85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
100 105

<210> 599
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-60 scFv

<400> 599

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
130 135 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys
145 150 155 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro

```
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Arg Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys
```

<210> 600
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-60 HL x CD3 HL bispecific molecule

<400> 600

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
```

```
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Arg Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335
```

```
Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 601
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-61

<400> 601

```
Asn Tyr Asp Met Ala
1               5
```

<210> 602
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-61

<400> 602

Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 603
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-61

<400> 603

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 604
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-61

<400> 604

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 605
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-61

<400> 605

Gly Ala Ser Asn Arg His Thr

1 5

<210> 606
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-61

<400> 606

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 607
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-61

<400> 607

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 608
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-61

<400> 608

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1 5 10 15

Glu Arg Val Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
20 25 30

Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser
65 70 75 80

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
85 90 95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
100 105

<210> 609
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-61 scFv

<400> 609

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

```
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys
```

<210> 610
<211> 498
<212> PRT

<213> artificial

<220>
<223> BCMA-61 HL x CD3 HL bispecific molecule

<400> 610

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                  10                  15


Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30


Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45


Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
    50                  55                  60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80


Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125


Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140


Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Lys
145                 150                 155                 160


Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175


Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190


Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205
```

```
Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
```

435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 611
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-62

<400> 611

Asn Tyr Asp Met Ala
1 5

<210> 612
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-62

<400> 612

Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 613
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-62

<400> 613

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 614
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-62

<400> 614

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 615
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-62

<400> 615

Gly Ala Ser Asn Arg His Thr
1 5

<210> 616
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-62

<400> 616

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 617
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-62

<400> 617

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  618
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-62

<400>  618

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
1               5                   10                  15

Glu Arg Ala Thr Leu Ser Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
            20                  25                  30

Val Asp Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
        35                  40                  45

Tyr Gly Ala Ser Asn Arg His Thr Gly Ile Pro Ala Arg Phe Ser Gly
    50                  55                  60
```

```
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ala
65                  70                  75                  80

Glu Asp Phe Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
                85                  90                  95

Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
            100                 105
```

<210> 619
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-62 scFv

<400> 619

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140
```

```
Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys
```

<210> 620
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-62 HL x CD3 HL bispecific molecule

<400> 620

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                  70                  75                  80
```

```
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val Met Thr Gln Ser Pro
    130                 135                 140

Ala Thr Leu Ser Val Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Lys
145                 150                 155                 160

Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Asn Arg His Thr
            180                 185                 190

Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Phe Ala Val Tyr Tyr Cys
    210                 215                 220

Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
225                 230                 235                 240

Asp Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
```

```
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 621
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-63

<400> 621

Asn Tyr Asp Met Ala
1 5

<210> 622
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-63

<400> 622

Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 623
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-63

<400> 623

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 624
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-63

<400> 624

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 625
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-63

<400> 625

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 626
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-63

<400> 626

Gln Gln Ser Tyr Lys Tyr Pro Leu Thr
1 5

<210> 627
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-63

<400> 627

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly

100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 628
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-63

<400> 628

Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Thr Val Thr Ile Thr Cys Arg Ala Ser Glu Asp Ile Tyr Asn Gly
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Glu Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Lys Tyr Pro Leu
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 629
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-63 scFv

<400> 629

Glu Val Gln Leu Leu 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 Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Thr Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Tyr Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 630
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-63 HL x CD3 HL bispecific molecule

<400> 630

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Thr Val Thr Ile Thr Cys Arg
145 150 155 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp

```
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Tyr Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415
```

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
420 425 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 631
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-64

<400> 631

Asn Tyr Asp Met Ala
1 5

<210> 632
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-64

<400> 632

Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 633

<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-64

<400> 633

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 634
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-64

<400> 634

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 635
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-64

<400> 635

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 636
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-64

<400> 636

Gln Gln Ser Tyr Lys Tyr Pro Leu Thr
1 5

<210> 637
<211> 121
<212> PRT

<213> artificial

<220>
<223> VH of BCMA-64

<400> 637

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 638
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-64

<400> 638

Ala 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 Glu Asp Ile Tyr Asn Gly
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile

```
        35                  40                  45

Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Met Gln Pro
65                  70                  75                  80

Glu Asp Glu Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Lys Tyr Pro Leu
                85                  90                  95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  639
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-64 scFv

<400>  639

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
```

```
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Met Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Tyr Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 640
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-64 HL x CD3 HL bispecific molecule

<400> 640

```
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
```

```
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Met Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Tyr Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285
```

```
Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 641

<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-65

<400> 641

Asn Tyr Asp Met Ala
1 5

<210> 642
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-65

<400> 642

Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 643
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-65

<400> 643

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 644
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-65

<400> 644

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 645
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-65

<400> 645

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 646
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-65

<400> 646

Gln Gln Ser Tyr Lys Tyr Pro Leu Thr
1 5

<210> 647
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-65

<400> 647

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 648
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-65

<400> 648

```
Ala 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 Glu Asp Ile Tyr Asn Gly
            20                  25                  30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr His Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Glu Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Lys Tyr Pro Leu
                85                  90                  95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105
```

<210> 649
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-65 scFv

<400> 649

```
Glu Val Gln Leu Leu 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 Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr His Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220
```

Gln Gln Ser Tyr Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225 230 235 240

Glu Ile Lys

<210> 650
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-65 HL x CD3 HL bispecific molecule

<400> 650

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145 150 155 160

```
Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr His Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Tyr Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
```

385 390 395 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
405 410 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
420 425 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 651
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-66

<400> 651

Asn Tyr Asp Met Ala
1 5

<210> 652
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-66

<400> 652

Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 653
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-66

<400> 653

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 654
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-66

<400> 654

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 655
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-66

<400> 655

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 656
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-66

<400> 656

Ala Gly Pro His Lys Tyr Pro Leu Thr

1 5

<210> 657
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-66

<400> 657

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 658
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-66

<400> 658

Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

```
Asp Thr Val Thr Ile Thr Cys Arg Ala Ser Glu Asp Ile Tyr Asn Gly
            20                  25                  30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Glu Ala Thr Tyr Tyr Cys Ala Gly Pro His Lys Tyr Pro Leu
                85                  90                  95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  659
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-66 scFv

<400>  659

Glu Val Gln Leu Leu 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 Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Thr Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Ala Gly Pro His Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 660
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-66 HL x CD3 HL bispecific molecule

<400> 660

```
Glu Val Gln Leu Leu 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 Asn Tyr
            20                  25                  30
```

```
Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Thr Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Ala Gly Pro His Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
```

```
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495
```

Val Leu

<210> 661
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-67

<400> 661

Asn Tyr Asp Met Ala
1 5

<210> 662
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-67

<400> 662

Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 663
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-67

<400> 663

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 664
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-67

<400> 664

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 665
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-67

<400> 665

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 666
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-67

<400> 666

Ala Gly Pro His Lys Tyr Pro Leu Thr
1 5

<210> 667
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-67

<400> 667

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val

```
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  668
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-67

<400>  668

Ala 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 Glu Asp Ile Tyr Asn Gly
            20                  25                  30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr His Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Glu Ala Thr Tyr Tyr Cys Ala Gly Pro His Lys Tyr Pro Leu
                85                  90                  95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105

<210>  669
```

<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-67 scFv

<400> 669

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145 150 155 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
180 185 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr His Tyr Thr

```
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Ala Gly Pro His Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 670
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-67 HL x CD3 HL bispecific molecule

<400> 670

```
Glu Val Gln Leu Leu 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 Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
```

```
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr His Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Ala Gly Pro His Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365
```

```
Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 671
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-68

<400> 671

```
Asn Tyr Asp Met Ala
1               5
```

<210> 672
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-68

<400> 672

Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 673
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-68

<400> 673

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 674
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-68

<400> 674

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 675
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-68

<400> 675

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 676
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-68

<400> 676

Gln Gln Ser Arg Asn Tyr Gln Gln Thr
1 5

<210> 677
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-68

<400> 677

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 678
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-68

<400> 678

Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Thr Val Thr Ile Thr Cys Arg Ala Ser Glu Asp Ile Tyr Asn Gly
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Glu Ala Thr Tyr Tyr Cys Gln Gln Ser Arg Asn Tyr Gln Gln
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 679
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-68 scFv

<400> 679

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Thr Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Arg Asn Tyr Gln Gln Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 680
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-68 HL x CD3 HL bispecific molecule

<400> 680

```
Glu Val Gln Leu Leu 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 Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Thr Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Arg Asn Tyr Gln Gln Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240
```

```
Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
```

465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 681
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-69

<400> 681

Asn Tyr Asp Met Ala
1 5

<210> 682
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-69

<400> 682

Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 683
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-69

<400> 683

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 684

<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-69

<400> 684

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 685
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-69

<400> 685

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 686
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-69

<400> 686

Gln Gln Ser Arg Asn Tyr Gln Gln Thr
1 5

<210> 687
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-69

<400> 687

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

```
Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 688
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-69

<400> 688

```
Ala 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 Glu Asp Ile Tyr Asn Gly
            20                  25                  30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr His Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Glu Ala Thr Tyr Tyr Cys Gln Gln Ser Arg Asn Tyr Gln Gln
                85                  90                  95
```

```
Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  689
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-69 scFv

<400>  689

Glu Val Gln Leu Leu 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 Asn Tyr
            20                  25                  30


Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45


Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125


Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140


Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160


Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175
```

```
Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr His Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Arg Asn Tyr Gln Gln Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 690
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-69 HL x CD3 HL bispecific molecule

<400> 690

```
Glu Val Gln Leu Leu 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 Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110
```

```
Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr His Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Arg Asn Tyr Gln Gln Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
```

```
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 691
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-70

<400> 691

```
Asn Tyr Asp Met Ala
1               5
```

<210> 692

<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-70

<400> 692

Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 693
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-70

<400> 693

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 694
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-70

<400> 694

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 695
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-70

<400> 695

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 696
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-70

<400> 696

Gln Gln Ser Arg Asn Tyr Gln Gln Thr
1 5

<210> 697
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-70

<400> 697

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 698

<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-70

<400> 698

Ala 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 Glu Asp Ile Tyr Asn Gly
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Glu Ala Thr Tyr Tyr Cys Gln Gln Ser Arg Asn Tyr Gln Gln
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 699
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-70 of scFv

<400> 699

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

```
Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Arg Asn Tyr Gln Gln Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 700
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-70 HL x CD3 HL bispecific molecule

<400> 700

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145 150 155 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
180 185 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
195 200 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys

```
    210                 215                 220

Gln Gln Ser Arg Asn Tyr Gln Gln Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445
```

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 701
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-71

<400> 701

Asn Tyr Asp Met Ala
1 5

<210> 702
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-71

<400> 702

Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 703
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-71

<400> 703

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 704
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-71

<400> 704

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 705
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-71

<400> 705

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 706
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-71

<400> 706

Ala Gly Pro His Lys Tyr Pro Leu Thr
1 5

<210> 707
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-71

<400> 707

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 708
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-71

<400> 708

Ala 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 Glu Asp Ile Tyr Asn Gly
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

65 70 75 80

Glu Asp Glu Ala Thr Tyr Tyr Cys Ala Gly Pro His Lys Tyr Pro Leu
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 709
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-71 scFv

<400> 709

Glu Val Gln Leu Leu 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 Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg

```
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Ala Gly Pro His Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 710
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-71 HL x CD3 HL bispecific molecule

<400> 710

```
Glu Val Gln Leu Leu 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 Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Ala Gly Pro His Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320
```

```
Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 711
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-72

<400> 711

Asn Tyr Asp Met Ala
1 5

<210> 712
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-72

<400> 712

Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 713
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-72

<400> 713

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 714
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-72

<400> 714

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 715
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-72

<400> 715

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 716
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-72

<400> 716

Ala Gly Pro His Lys Tyr Pro Leu Thr
1 5

<210> 717
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-72

<400> 717

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

```
Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  718
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-72

<400>  718

Ala 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 Glu Asp Ile Tyr Asn Gly
            20                  25                  30


Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45


Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60


Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Met Gln Pro
65                  70                  75                  80


Glu Asp Glu Ala Thr Tyr Tyr Cys Ala Gly Pro His Lys Tyr Pro Leu
                85                  90                  95


Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  719
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-72 scFv

<400>  719

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1               5                   10                  15


Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
```

```
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Met Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Ala Gly Pro His Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 720
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-72 HL x CD3 HL bispecific molecule

<400> 720

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145 150 155 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
180 185 190

```
Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Met Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Ala Gly Pro His Lys Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
```

```
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 721
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-73

<400> 721

```
Asn Tyr Asp Met Ala
1               5
```

<210> 722
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-73

<400> 722

```
Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1               5                   10                  15

Gly
```

<210> 723
<211> 12
<212> PRT

<213> artificial

<220>
<223> VH CDR3 of BCMA-73

<400> 723

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 724
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-73

<400> 724

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 725
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-73

<400> 725

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 726
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-73

<400> 726

Gln Gln Ser Arg Asn Tyr Gln Gln Thr
1 5

<210> 727
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-73

<400> 727

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 728
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-73

<400> 728

Ala 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 Glu Asp Ile Tyr Asn Gly
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

```
Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Met Gln Pro
65                  70                  75                  80

Glu Asp Glu Ala Thr Tyr Tyr Cys Gln Gln Ser Arg Asn Tyr Gln Gln
                85                  90                  95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105
```

<210> 729
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-73 scFv

<400> 729

```
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125
```

```
Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Met Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Arg Asn Tyr Gln Gln Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 730
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-73 HL x CD3 HL bispecific molecule

<400> 730

```
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val
    50                  55                  60
```

```
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu 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 Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Met Gln Pro Glu Asp Glu Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Ser Arg Asn Tyr Gln Gln Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
```

290 295 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305 310 315 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
325 330 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
340 345 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
355 360 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
370 375 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385 390 395 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
405 410 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
420 425 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 731
<211> 5
<212> PRT

<213> artificial

<220>
<223> VH CDR1 of BCMA-74

<400> 731

Asn Phe Asp Met Ala
1 5

<210> 732
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-74

<400> 732

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 733
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-74

<400> 733

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 734
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-74

<400> 734

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 735

<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of VL CDR2

<400> 735

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 736
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-74

<400> 736

Met Gly Gln Thr Ile Ser Ser Tyr Thr
1 5

<210> 737
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-74

<400> 737

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

```
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 738
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-74

<400> 738

```
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 Gly Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys Met Gly Gln Thr Ile Ser Ser Tyr
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105
```

<210> 739
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-74 scFv

<400> 739

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
```

225 230 235 240

Glu Ile Lys

<210> 740
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-74 HL x CD3 HL bispecific molecule

<400> 740

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145 150 155 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro

```
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400
```

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
405 410 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
420 425 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 741
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-75

<400> 741

Asn Phe Asp Met Ala
1 5

<210> 742
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-75

<400> 742

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 743
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-75

<400> 743

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 744
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-75

<400> 744

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 745
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-75

<400> 745

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 746
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-75

<400> 746

Met Gly Gln Thr Ile Ser Ser Tyr Thr
1 5

<210> 747
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-75

<400> 747

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 748
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-75

<400> 748

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 Gly Ile Ser Asn Tyr

```
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys Met Gly Gln Thr Ile Ser Ser Tyr
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210>  749
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-75 scFv

<400>  749

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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
```

```
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 750
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-75 HL x CD3 HL bispecific molecule

<400> 750

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
```

```
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270
```

```
Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 751
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-76

<400> 751

Asn Phe Asp Met Ala
1 5

<210> 752
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-76

<400> 752

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 753
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-76

<400> 753

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 754
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-76

<400> 754

```
Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn
1               5                   10


<210>  755
<211>  7
<212>  PRT
<213>  artificial

<220>
<223>  VL CDR2 of BCMA-76

<400>  755

Tyr Thr Ser Asn Leu Gln Ser
1               5


<210>  756
<211>  9
<212>  PRT
<213>  artificial

<220>
<223>  VL CDR3 of BCMA-76

<400>  756

Met Gly Gln Thr Ile Ser Ser Tyr Thr
1               5


<210>  757
<211>  121
<212>  PRT
<213>  artificial

<220>
<223>  VH of BCMA-76

<400>  757

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 Asn Phe
            20                  25                  30


Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45


Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60
```

```
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80


Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  758
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-76

<400>  758

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 Ser Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr
            20                  25                  30


Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
        35                  40                  45


Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60


Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80


Glu Asp Phe Ala Thr Tyr Tyr Cys Met Gly Gln Thr Ile Ser Ser Tyr
                85                  90                  95


Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210>  759
<211>  243
<212>  PRT
```

<213> artificial

<220>
<223> BCMA-76 scFv

<400> 759

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145 150 155 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
180 185 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
195 200 205

```
Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 760
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-76 HL x CD3 HL bispecific molecule

<400> 760

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140
```

```
Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
```

```
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 761
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-77

<400> 761

```
Asn Phe Asp Met Ala
1               5
```

<210> 762
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of VH CDR2

<400> 762

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 763
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-77

<400> 763

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 764
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-77

<400> 764

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 765
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-77

<400> 765

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 766
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-77

<400> 766

Met Gly Gln Thr Ile Ser Ser Tyr Thr
1 5

<210> 767
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-77

<400> 767

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 768
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-77

<400> 768

```
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 Gly Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln 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 Met Gly Gln Thr Ile Ser Ser Tyr
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210>  769
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-77 scFv

<400>  769

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1               5                  10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80
```

```
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 770
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-77 HL x CD3 HL bispecific molecule

<400> 770

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1               5                   10                  15
```

```
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Met Gly Gln Thr Ile Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
```

```
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480
```

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 771
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-78

<400> 771

Asn Phe Asp Met Ala
1 5

<210> 772
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-78

<400> 772

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 773
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-78

<400> 773

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 774
<211> 11
<212> PRT

<213> artificial

<220>
<223> VL CDR1 of BCMA-78

<400> 774

Arg Ala Ser Gln Gly Ile Ser Asn His Leu Asn
1 5 10

<210> 775
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-78

<400> 775

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 776
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-78

<400> 776

Gln Gln Tyr Phe Asp Arg Pro Tyr Thr
1 5

<210> 777
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-78

<400> 777

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val

```
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  778
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-78

<400>  778

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 Ser Cys Arg Ala Ser Gln Gly Ile Ser Asn His
            20                  25                  30

Leu Asn Trp Phe Gln Gln Lys Pro Gly Arg Ala Pro Lys Pro Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln 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 Phe Asp Arg Pro Tyr
                85                  90                  95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
```

100 105

<210> 779
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-78 scFv

<400> 779

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145 150 155 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Phe Gln Gln Lys Pro
165 170 175

Gly Arg Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser

```
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Phe Asp Arg Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 780
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-78 HL x CD3 HL bispecific molecule

<400> 780

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
```

```
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Phe Gln Gln Lys Pro
                165                 170                 175

Gly Arg Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Phe Asp Arg Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350
```

```
Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 781
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-79

<400> 781

```
Asn Phe Asp Met Ala
1               5
```

<210> 782
<211> 17
<212> PRT

<213> artificial

<220>
<223> VH CDR2 of BCMA-79

<400> 782

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 783
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-79

<400> 783

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 784
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-79

<400> 784

Arg Ala Ser Gln Gly Ile Ser Asn His Leu Asn
1 5 10

<210> 785
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-79

<400> 785

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 786

<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-79

<400> 786

Gln Gln Tyr Phe Asp Arg Pro Tyr Thr
1 5

<210> 787
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-79

<400> 787

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 788
<211> 107
<212> PRT

<213> artificial

<220>
<223> VL of BCMA-79

<400> 788

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 Ser Cys Arg Ala Ser Gln Gly Ile Ser Asn His
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
35 40 45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Phe Asp Arg Pro Tyr
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 789
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-79 scFv

<400> 789

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val

```
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Phe Asp Arg Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 790
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-79 HL x CD3 HL bispecific molecule

<400> 790

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220
```

```
Gln Gln Tyr Phe Asp Arg Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
```

```
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 791
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-80

<400> 791

```
Asn Phe Asp Met Ala
1               5
```

<210> 792
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-80

<400> 792

```
Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1               5                   10                  15

Gly
```

<210> 793
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-80

<400> 793

```
His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
```

1 5 10

<210> 794
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-80

<400> 794

Arg Ala Ser Gln Gly Ile Ser Asn His Leu Asn
1 5 10

<210> 795
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-80

<400> 795

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 796
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-80

<400> 796

Gln Gln Tyr Phe Asp Arg Pro Tyr Thr
1 5

<210> 797
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-80

<400> 797

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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 798
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-80

<400> 798

```
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 Gly Ile Ser Asn His
            20                  25                  30

Leu Asn Trp Phe Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln 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 Phe Asp Arg Pro Tyr
                85                  90                  95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105
```

<210> 799
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-80 scFv

<400> 799

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160
```

```
Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Phe Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Phe Asp Arg Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 800
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-80 HL x CD3 HL bispecific molecule

<400> 800

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
```

```
Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Phe Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Phe Asp Arg Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
```

325 330 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
340 345 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
355 360 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
370 375 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385 390 395 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
405 410 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
420 425 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 801
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-81

<400> 801

Asn Phe Asp Met Ala

1 5

<210> 802
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-81

<400> 802

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 803
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-81

<400> 803

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 804
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-81

<400> 804

Arg Ala Ser Gln Gly Ile Ser Asn His Leu Asn
1 5 10

<210> 805
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-81

<400> 805

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 806
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-81

<400> 806

Gln Gln Tyr Phe Asp Arg Pro Tyr Thr
1 5

<210> 807
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-81

<400> 807

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser

115 120

<210> 808
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-81

<400> 808

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Glu Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn His
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Ser Leu Ile
35 40 45

Tyr Tyr Thr Ser Asn Leu Gln 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 Phe Asp Arg Pro Tyr
85 90 95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
100 105

<210> 809
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-81 scFv

<400> 809

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
20 25 30

```
Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Glu Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Ser Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Phe Asp Arg Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 810

<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-81 HL x CD3 HL bispecific molecule

<400> 810

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Glu Arg Val Thr Ile Thr Cys Arg
145 150 155 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Ser Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
180 185 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr

```
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Phe Asp Arg Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430
```

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 811
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-82

<400> 811

Asn Phe Asp Met Ala
1 5

<210> 812
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-82

<400> 812

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 813
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-82

<400> 813

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1   5   10

<210> 814
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-82

<400> 814

Arg Ala Ser Gln Gly Ile Ser Asn His Leu Asn
1   5   10

<210> 815
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-82

<400> 815

Tyr Thr Ser Asn Leu Gln Ser
1   5

<210> 816
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-82

<400> 816

Gln Gln Tyr Ser Asn Leu Pro Tyr Thr
1   5

<210> 817
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-82

<400> 817

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 818
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-82

<400> 818

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 Ser Cys Arg Ala Ser Gln Gly Ile Ser Asn His
20 25 30

Leu Asn Trp Phe Gln Gln Lys Pro Gly Arg Ala Pro Lys Pro Leu Ile
35 40 45

Tyr Tyr Thr Ser Asn Leu Gln 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 Ser Asn Leu Pro Tyr
                85                  90                  95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  819
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-82 scFv

<400>  819

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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
```

```
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Phe Gln Gln Lys Pro
                165                 170                 175

Gly Arg Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Ser Asn Leu Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 820
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-82 HL x CD3 HL bispecific molecule

<400> 820

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
```

```
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Phe Gln Gln Lys Pro
                165                 170                 175

Gly Arg Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Ser Asn Leu Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300
```

```
Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 821
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-83

<400> 821

Asn Phe Asp Met Ala
1 5

<210> 822
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-83

<400> 822

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 823
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-83

<400> 823

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 824
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-83

<400> 824

Arg Ala Ser Gln Gly Ile Ser Asn His Leu Asn
1 5 10

<210> 825
<211> 7
<212> PRT

<213> artificial

<220>
<223> VL CDR2 of BCMA-83

<400> 825

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 826
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-83

<400> 826

Gln Gln Tyr Ser Asn Leu Pro Tyr Thr
1 5

<210> 827
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-83

<400> 827

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

```
Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  828
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-83

<400>  828

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 Ser Cys Arg Ala Ser Gln Gly Ile Ser Asn His
            20                  25                  30


Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
        35                  40                  45


Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60


Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80


Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Ser Asn Leu Pro Tyr
                85                  90                  95


Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  829
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-83 scFv

<400>  829

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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Ser Asn Leu Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240
```

Glu Ile Lys

<210> 830
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-83 HL x CD3 HL bispecific molecule

<400> 830

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145 150 155 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Tyr Gln Gln Lys Pro
165 170 175

```
Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Ser Asn Leu Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
```

405 410 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
420 425 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 831
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-84

<400> 831

Asn Phe Asp Met Ala
1 5

<210> 832
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-84

<400> 832

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 833
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-84

<400> 833

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 834
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-84

<400> 834

Arg Ala Ser Gln Gly Ile Ser Asn His Leu Asn
1 5 10

<210> 835
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-84

<400> 835

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 836
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-84

<400> 836

Gln Gln Tyr Ser Asn Leu Pro Tyr Thr
1 5

<210> 837

<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-84

<400> 837

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 838
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-84

<400> 838

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15

Glu Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn His
20 25 30

```
Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Ser Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln 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 Ser Asn Leu Pro Tyr
                85                  90                  95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  839
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-84 scFv

<400>  839

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110
```

```
Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Glu Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Ser Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Ser Asn Leu Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 840
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-84 HL x CD3 HL bispecific molecule

<400> 840

```
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1               5                   10                  15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
        35                  40                  45
```

```
Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Glu Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Ser Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Tyr Ser Asn Leu Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
```

```
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 841
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-85

<400> 841

Asn Phe Gly Met Asn
1 5

<210> 842
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-85

<400> 842

Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys
1 5 10 15

Gly

<210> 843
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-85

<400> 843

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 844
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-85

<400> 844

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn

1 5 10

<210> 845
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-85

<400> 845

Tyr Thr Ser Arg Leu His Ser
1 5

<210> 846
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-85

<400> 846

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1 5

<210> 847
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-85

<400> 847

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr

65 70 75 80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 848
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-85

<400> 848

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Asp Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Glu Pro
65 70 75 80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Gly Asn Thr Leu Pro Trp
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 849
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-85 scFv

<400> 849

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65 70 75 80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Arg
145 150 155 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
165 170 175

Asp Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
180 185 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
195 200 205

Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Ile Ala Thr Tyr Tyr Cys

```
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 850
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-85 HL x CD3 HL bispecific molecule

<400> 850

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Arg
```

```
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Asp Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380
```

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385 390 395 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
405 410 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
420 425 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 851
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-86

<400> 851

Asn Phe Gly Met Asn
1 5

<210> 852
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-86

<400> 852

Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys

1 5 10 15

Gly

<210> 853
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-86

<400> 853

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 854
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-86

<400> 854

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 855
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-86

<400> 855

Tyr Thr Ser Arg Leu His Ser
1 5

<210> 856
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-86

<400> 856

```
Gln Gln Gly Asn Thr Leu Pro Trp Thr
1               5


<210>  857
<211>  121
<212>  PRT
<213>  artificial

<220>
<223>  VH of BCMA-86

<400>  857

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30


Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45


Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60


Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80


Leu Gln Ile Asn Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95


Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  858
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-86

<400>  858

Asp Ile Gln Met Thr Gln Thr 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 Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Leu Lys Leu Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu Gln Pro
65                  70                  75                  80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Gly Asn Thr Leu Pro Trp
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  859
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-86 scFv

<400>  859

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Phe Cys
```

```
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Thr Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Leu Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser
        195                 200                 205

Leu Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 860
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-86 HL x CD3 HL bispecific molecule

<400> 860

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
```

```
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Thr Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Leu Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser
        195                 200                 205

Leu Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255
```

```
Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
```

485 490 495

Val Leu

<210> 861
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-87

<400> 861

Asn Phe Gly Met Asn
1 5

<210> 862
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-87

<400> 862

Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys
1 5 10 15

Gly

<210> 863
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-87

<400> 863

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 864
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-87

<400> 864

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1   5   10

<210> 865
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-87

<400> 865

Tyr Thr Ser Arg Leu His Ser
1   5

<210> 866
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-87

<400> 866

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1   5

<210> 867
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-87

<400> 867

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1   5   10   15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20   25   30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35   40   45

```
Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  868
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-87

<400>  868

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 Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Glu Gln
65                  70                  75                  80

Glu Asp Ile Ala Thr Tyr Phe Cys Gln Gln Gly Asn Thr Leu Pro Trp
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105
```

<210> 869
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-87 scFv

<400> 869

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30


Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45


Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60


Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65                  70                  75                  80


Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125


Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140


Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160


Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175


Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190
```

```
Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Glu Gln Glu Asp Ile Ala Thr Tyr Phe Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 870
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-87 HL x CD3 HL bispecific molecule

<400> 870

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125
```

```
Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Glu Gln Glu Asp Ile Ala Thr Tyr Phe Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
```

```
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 871
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-88

<400> 871

```
Asn Phe Gly Met Asn
1               5
```

<210> 872
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-88

<400> 872

Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys
1 5 10 15

Gly

<210> 873
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-88

<400> 873

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 874
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-88

<400> 874

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 875
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-88

<400> 875

Tyr Thr Ser Arg Leu His Ser
1 5

<210> 876
<211> 9
<212> PRT

<213> artificial

<220>
<223> VL CDR3 of BCMA-88

<400> 876

Gln Ser Phe Ala Thr Leu Pro Trp Thr
1 5

<210> 877
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-88

<400> 877

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65 70 75 80

Leu Gln Ile Asn Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 878
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-88

<400> 878

Asp Ile Gln Met Thr Gln Thr 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 Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Leu Lys Leu Leu Ile
35 40 45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu Gln Pro
65 70 75 80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Ser Phe Ala Thr Leu Pro Trp
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 879
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-88 scFv

<400> 879

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
50 55 60

```
Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Thr Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Leu Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser
        195                 200                 205

Leu Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Ser Phe Ala Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 880
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-88 HL x CD3 HL bispecific molecule

<400> 880

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Thr Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Leu Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser
        195                 200                 205

Leu Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Ser Phe Ala Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
```

```
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460
```

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 881
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-89

<400> 881

Asn Phe Gly Met Asn
1 5

<210> 882
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-89

<400> 882

Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys
1 5 10 15

Gly

<210> 883
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-89

<400> 883

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 884
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-89

<400> 884

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 885
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-89

<400> 885

Tyr Thr Ser Arg Leu His Ser
1 5

<210> 886
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-89

<400> 886

Gln Ser Phe Ala Thr Leu Pro Trp Thr
1 5

<210> 887
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-89

<400> 887

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe

```
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Asn Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  888
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-89

<400>  888

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 Ser Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Phe Thr Ile Ser Asn Leu Gln Pro
65                  70                  75                  80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Ser Phe Ala Thr Leu Pro Trp
```

```
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  889
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-89 scFv

<400>  889

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Asn Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
```

```
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Phe Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Ser Phe Ala Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 890
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-89 HL x CD3 HL bispecific molecule

<400> 890

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Asn Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
```

```
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Phe Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Ser Phe Ala Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335
```

```
Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 891
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-90

<400> 891

```
Asn Phe Gly Met Asn
1               5
```

<210> 892
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-90

<400> 892

Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys
1 5 10 15

Gly

<210> 893
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-90

<400> 893

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 894
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-90

<400> 894

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 895
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-90

<400> 895

Tyr Thr Ser Arg Leu His Ser

1 5

<210> 896
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-90

<400> 896

Gln Ser Phe Ala Thr Leu Pro Trp Thr
1 5

<210> 897
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-90

<400> 897

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65 70 75 80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 898
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-90

<400> 898

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Asp Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Glu Pro
65 70 75 80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Ser Phe Ala Thr Leu Pro Trp
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

<210> 899
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-90 scFv

<400> 899

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met

```
         35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Asp Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Ser Phe Ala Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 900
<211> 498
<212> PRT

<213> artificial

<220>
<223> BCMA-90 HL x CD3 HL bispecific molecule

<400> 900

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30


Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45


Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60


Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65                  70                  75                  80


Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125


Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140


Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160


Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175


Asp Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190


Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205
```

```
Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Ser Phe Ala Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
```

```
         435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 901
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-91

<400> 901

```
Asn Phe Gly Met Asn
1               5
```

<210> 902
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-91

<400> 902

```
Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys
1               5                   10                  15

Gly
```

<210> 903
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-91

<400> 903

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 904
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-91

<400> 904

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 905
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-91

<400> 905

Tyr Thr Ser Arg Leu His Ser
1 5

<210> 906
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-91

<400> 906

Gln Ser Phe Ala Thr Leu Pro Trp Thr
1 5

<210> 907
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-91

<400> 907

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 908
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-91

<400> 908

```
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 Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60
```

```
Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Glu Gln
65                  70                  75                  80


Glu Asp Ile Ala Thr Tyr Phe Cys Gln Ser Phe Ala Thr Leu Pro Trp
                85                  90                  95


Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  909
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-91 scFv

<400>  909

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15


Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30


Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45


Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60


Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65                  70                  75                  80


Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125


Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140
```

```
Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Glu Gln Glu Asp Ile Ala Thr Tyr Phe Cys
    210                 215                 220

Gln Ser Phe Ala Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 910
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-91 HL x CD3 HL bispecific molecule

<400> 910

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65                  70                  75                  80
```

```
Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Glu Gln Glu Asp Ile Ala Thr Tyr Phe Cys
    210                 215                 220

Gln Ser Phe Ala Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
```

```
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 911
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-92

<400> 911

Asn Phe Gly Met Asn
1 5

<210> 912
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-92

<400> 912

Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys
1 5 10 15

Gly

<210> 913
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-92

<400> 913

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 914
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-92

<400> 914

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 915
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-92

<400> 915

Tyr Thr Ser Arg Leu His Ser
1   5

<210> 916
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-92

<400> 916

Gln His Phe Arg Thr Leu Pro Trp Thr
1   5

<210> 917
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-92

<400> 917

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1   5   10   15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20   25   30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35   40   45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50   55   60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65   70   75   80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85   90   95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly

```
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  918
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-92

<400>  918

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly
1               5                   10                  15


Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr
            20                  25                  30


Leu Asn Trp Tyr Gln Gln Lys Pro Asp Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45


Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60


Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Glu Pro
65                  70                  75                  80


Glu Asp Ile Ala Thr Tyr Tyr Cys Gln His Phe Arg Thr Leu Pro Trp
                85                  90                  95


Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  919
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-92 scFv

<400>  919

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15
```

```
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Asp Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln His Phe Arg Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 920
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-92 HL x CD3 HL bispecific molecule

<400> 920

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65 70 75 80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Thr Cys Arg
145 150 155 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
165 170 175

Asp Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser

```
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln His Phe Arg Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415
```

```
Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 921
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-93

<400> 921

```
Asn Phe Gly Met Asn
1               5
```

<210> 922
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-93

<400> 922

```
Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys
1               5                   10                  15

Gly
```

<210> 923

<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-93

<400> 923

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 924
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-93

<400> 924

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 925
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-93

<400> 925

Tyr Thr Ser Arg Leu His Ser
1 5

<210> 926
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-93

<400> 926

Gln His Phe Arg Thr Leu Pro Trp Thr
1 5

<210> 927
<211> 121
<212> PRT

<213> artificial

<220>
<223> VH of BCMA-93

<400> 927

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65 70 75 80

Leu Gln Ile Asn Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 928
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-93

<400> 928

Asp Ile Gln Met Thr Gln Thr 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 Ile Ser Asn Tyr
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Leu Lys Leu Leu Ile

```
         35                  40                  45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu Gln Pro
65                  70                  75                  80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln His Phe Arg Thr Leu Pro Trp
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  929
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-93 scFv

<400>  929

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
```

```
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Thr Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Leu Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser
        195                 200                 205

Leu Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln His Phe Arg Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 930
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-93 HL x CD3 HL bispecific molecule

<400> 930

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
```

```
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Phe Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Thr Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Leu Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser
        195                 200                 205

Leu Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln His Phe Arg Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285
```

```
Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 931

<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-94

<400> 931

Asn Phe Gly Met Asn
1 5

<210> 932
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-94

<400> 932

Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys
1 5 10 15

Gly

<210> 933
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-94

<400> 933

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 934
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-94

<400> 934

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 935
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-94

<400> 935

Tyr Thr Ser Arg Leu His Ser
1 5

<210> 936
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-94

<400> 936

Gln His Phe Arg Thr Leu Pro Trp Thr
1 5

<210> 937
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-94

<400> 937

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65 70 75 80

```
Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 938
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-94

<400> 938

```
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 Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Glu Gln
65                  70                  75                  80

Glu Asp Ile Ala Thr Tyr Phe Cys Gln His Phe Arg Thr Leu Pro Trp
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105
```

<210> 939
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-94 scFv

<400> 939

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                  10                  15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Glu Gln Glu Asp Ile Ala Thr Tyr Phe Cys
    210                 215                 220
```

Gln His Phe Arg Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225 230 235 240

Glu Ile Lys

<210> 940
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-94 HL x CD3 HL bispecific molecule

<400> 940

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Thr Thr Ala Tyr
65 70 75 80

Leu Gln Ile Asn Ser Leu Lys Asp Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145 150 155 160

```
Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Glu Gln Glu Asp Ile Ala Thr Tyr Phe Cys
    210                 215                 220

Gln His Phe Arg Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
```

385 390 395 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
405 410 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
420 425 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
435 440 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 941
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-95

<400> 941

Asn Phe Gly Met Asn
1 5

<210> 942
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-95

<400> 942

Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys
1 5 10 15

Gly

<210> 943
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-95

<400> 943

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 944
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-95

<400> 944

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 945
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-95

<400> 945

Tyr Thr Ser Arg Leu His Ser
1 5

<210> 946
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-95

<400> 946

Gln His Phe Arg Thr Leu Pro Trp Thr

1 5

<210> 947
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-95

<400> 947

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65 70 75 80

Leu Gln Ile Asn Asn Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 948
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-95

<400> 948

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 Ser Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Phe Thr Ile Ser Asn Leu Gln Pro
65                  70                  75                  80

Glu Asp Ile Ala Thr Tyr Phe Cys Gln His Phe Arg Thr Leu Pro Trp
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105
```

<210> 949
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-95 scFv

<400> 949

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Asn Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
```

```
Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Phe Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Phe Cys
    210                 215                 220

Gln His Phe Arg Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 950
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-95 HL x CD3 HL bispecific molecule

<400> 950

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30
```

```
Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Asn Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Phe Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Phe Cys
    210                 215                 220

Gln His Phe Arg Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
```

```
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495
```

Val Leu

<210> 951
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-96

<400> 951

Asn Phe Gly Met Asn
1 5

<210> 952
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-96

<400> 952

Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe Lys
1 5 10 15

Gly

<210> 953
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-96

<400> 953

Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr
1 5 10

<210> 954
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-96

<400> 954

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 955
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-96

<400> 955

Tyr Thr Ser Arg Leu His Ser
1 5

<210> 956
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-96

<400> 956

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1 5

<210> 957
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-96

<400> 957

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe

```
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Asn Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  958
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-96

<400>  958

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 Ser Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Phe Thr Ile Ser Asn Leu Gln Pro
65                  70                  75                  80

Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Gly Asn Thr Leu Pro Trp
                85                  90                  95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105


<210>  959
```

<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-96 of scFv

<400> 959

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65 70 75 80

Leu Gln Ile Asn Asn Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145 150 155 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
180 185 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr

```
        195                 200                 205

Phe Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys
```

<210> 960
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-96 HL x CD3 HL bispecific molecule

<400> 960

```
Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala
1               5                   10                  15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Phe
            20                  25                  30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Trp Ile Asn Thr Tyr Thr Gly Glu Ser Ile Tyr Ala Asp Asp Phe
    50                  55                  60

Lys Gly Arg Phe Val Phe Ser Ser Asp Thr Ser Val Ser Thr Ala Tyr
65                  70                  75                  80

Leu Gln Ile Asn Asn Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Gly Val Tyr Gly Gly Tyr Asp Ala Met Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
```

```
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Ser Cys Arg
145                 150                 155                 160

Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Phe Thr Ile Ser Asn Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365
```

```
Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 961
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-97

<400> 961

```
Asn Phe Asp Met Ala
1               5
```

<210> 962
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-97

<400> 962

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 963
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-97

<400> 963

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 964
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-97

<400> 964

Arg Ala Ser Gln Gly Ile Ser Asn Asn Leu Asn
1 5 10

<210> 965
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-97

<400> 965

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 966
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-97

<400> 966

Gln Gln Phe Thr Ser Leu Pro Tyr Thr
1 5

<210> 967
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-97

<400> 967

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 968
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-97

<400> 968

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Met Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Asn
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Ser Leu Ile
35 40 45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Phe Thr Ser Leu Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 969
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-97 scFv

<400> 969

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr

```
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Met Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Asn Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Ser Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Phe Thr Ser Leu Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 970
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-97 HL x CD3 HL bispecific molecule

<400> 970

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Met Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Asn Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Ser Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Phe Thr Ser Leu Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240
```

```
Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
```

465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 971
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-98

<400> 971

Asn Phe Asp Met Ala
1 5

<210> 972
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-98

<400> 972

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 973
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-98

<400> 973

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 974

<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-98

<400> 974

Arg Ala Asn Gln Gly Ile Ser Asn Asn Leu Asn
1 5 10

<210> 975
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-98

<400> 975

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 976
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-98

<400> 976

Gln Gln Phe Thr Ser Leu Pro Tyr Thr
1 5

<210> 977
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-98

<400> 977

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 Asn Phe
20 25 30

```
Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 978
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-98

<400> 978

```
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 Asn Gln Gly Ile Ser Asn Asn
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Pro Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Phe Thr Ser Leu Pro Tyr
                85                  90                  95
```

```
Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210>  979
<211>  243
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-98 scFv

<400>  979

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 Asn Phe
            20                  25                  30


Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45


Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60


Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu Tyr
65                  70                  75                  80


Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95


Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110


Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125


Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140


Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160


Ala Asn Gln Gly Ile Ser Asn Asn Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175
```

```
Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Phe Thr Ser Leu Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 980
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-98 HL x CD3 HL bispecific molecule

<400> 980

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110
```

```
Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Asn Gln Gly Ile Ser Asn Asn Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Phe Thr Ser Leu Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
```

```
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 981
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-99

<400> 981

```
Asn Phe Asp Met Ala
1               5
```

<210> 982

<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-99

<400> 982

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 983
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-99

<400> 983

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 984
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-99

<400> 984

Arg Ala Ser Gln Gly Ile Ser Asn Asn Leu Asn
1 5 10

<210> 985
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-99

<400> 985

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 986
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-99

<400> 986

Gln Gln Phe Thr Ser Leu Pro Tyr Thr
1 5

<210> 987
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-99

<400> 987

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 988

<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-99

<400> 988

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Met Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Asn
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Ser Leu Ile
35 40 45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Phe Thr Ser Leu Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 989
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-99 scFv

<400> 989

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

```
Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Met Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Asn Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Ser Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Phe Thr Ser Leu Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 990
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-99 HL x CD3 HL bispecific molecule

<400> 990

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Met Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145 150 155 160

Ala Ser Gln Gly Ile Ser Asn Asn Leu Asn Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Lys Ala Pro Lys Ser Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
180 185 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
195 200 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys

```
    210                 215                 220

Gln Gln Phe Thr Ser Leu Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320

Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445
```

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
450 455 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465 470 475 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
485 490 495

Val Leu

<210> 991
<211> 5
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-100

<400> 991

Asn Phe Asp Met Ala
1 5

<210> 992
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-100

<400> 992

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Lys
1 5 10 15

Gly

<210> 993
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-100

<400> 993

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 994
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-100

<400> 994

Arg Ala Ser Gln Gly Ile Ser Asn Asn Leu Asn
1 5 10

<210> 995
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-100

<400> 995

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 996
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-100

<400> 996

Gln Gln Phe Ala His Leu Pro Tyr Thr
1 5

<210> 997
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-100

<400> 997

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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  998
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-100

<400>  998

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Met Ser Ala Ser Val Gly
1               5                   10                  15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Asn
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Ser Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro
```

65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Phe Ala His Leu Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 999
<211> 243
<212> PRT
<213> artificial

<220>
<223> BCMA-100 scFv

<400> 999

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 Asn Phe
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
130 135 140

Ser Ser Met Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg

```
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Asn Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Ser Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Phe Ala His Leu Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys
```

<210> 1000
<211> 498
<212> PRT
<213> artificial

<220>
<223> BCMA-100 HL x CD3 HL bispecific molecule

<400> 1000

```
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 Asn Phe
            20                  25                  30

Asp Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
        35                  40                  45

Ser Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
```

```
                85                  90                  95

Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro
    130                 135                 140

Ser Ser Met Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
145                 150                 155                 160

Ala Ser Gln Gly Ile Ser Asn Asn Leu Asn Trp Tyr Gln Gln Lys Pro
                165                 170                 175

Gly Lys Ala Pro Lys Ser Leu Ile Tyr Tyr Thr Ser Asn Leu Gln Ser
            180                 185                 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr
        195                 200                 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
    210                 215                 220

Gln Gln Phe Ala His Leu Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu
225                 230                 235                 240

Glu Ile Lys Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser
                245                 250                 255

Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala
            260                 265                 270

Ala Ser Gly Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln
        275                 280                 285

Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr
    290                 295                 300

Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr
305                 310                 315                 320
```

```
Ile Ser Arg Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn
                325                 330                 335

Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn
            340                 345                 350

Phe Gly Asn Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr
        355                 360                 365

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    370                 375                 380

Gly Gly Gly Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr
385                 390                 395                 400

Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly
                405                 410                 415

Ala Val Thr Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly
            420                 425                 430

Gln Ala Pro Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly
        435                 440                 445

Thr Pro Ala Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu
    450                 455                 460

Thr Leu Ser Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val
465                 470                 475                 480

Leu Trp Tyr Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr
                485                 490                 495

Val Leu
```

<210> 1001
<211> 555
<212> DNA
<213> human

<220>
<221> misc
<222> (1)..(555)

<223> human BCMA

<400> 1001
atgttgcaga tggctgggca gtgctcccaa aatgaatatt ttgacagttt gttgcatgct 60

tgcatacctt gtcaacttcg atgttcttct aatactcctc ctctaacatg tcagcgttat 120

tgtaatgcaa gtgtgaccaa ttcagtgaaa ggaacgaatg cgattctctg gacctgtttg 180

ggactgagct taataatttc tttggcagtt ttcgtgctaa tgtttttgct aaggaagata 240

aactctgaac cattaaagga cgagtttaaa aacacaggat caggtctcct gggcatggct 300

aacattgacc tggaaaagag caggactggt gatgaaatta ttcttccgag aggcctcgag 360

tacacggtgg aagaatgcac ctgtgaagac tgcatcaaga gcaaaccgaa ggtcgactct 420

gaccattgct ttccactccc agctatggag gaaggcgcaa ccattcttgt caccacgaaa 480

acgaatgact attgcaagag cctgccagct gctttgagtg ctacggagat agagaaatca 540

atttctgcta ggtaa 555

<210> 1002
<211> 184
<212> PRT
<213> human

<220>
<221> misc
<222> (1)..(184)
<223> human BCMA

<400> 1002

Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser
1 5 10 15

Leu Leu His Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr
20 25 30

Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser
35 40 45

Val Lys Gly Thr Asn Ala Ile Leu Trp Thr Cys Leu Gly Leu Ser Leu
50 55 60

Ile Ile Ser Leu Ala Val Phe Val Leu Met Phe Leu Leu Arg Lys Ile
65 70 75 80

Asn Ser Glu Pro Leu Lys Asp Glu Phe Lys Asn Thr Gly Ser Gly Leu

```
                85                  90                  95

Leu Gly Met Ala Asn Ile Asp Leu Glu Lys Ser Arg Thr Gly Asp Glu
            100                 105                 110

Ile Ile Leu Pro Arg Gly Leu Glu Tyr Thr Val Glu Glu Cys Thr Cys
        115                 120                 125

Glu Asp Cys Ile Lys Ser Lys Pro Lys Val Asp Ser Asp His Cys Phe
    130                 135                 140

Pro Leu Pro Ala Met Glu Glu Gly Ala Thr Ile Leu Val Thr Thr Lys
145                 150                 155                 160

Thr Asn Asp Tyr Cys Lys Ser Leu Pro Ala Ala Leu Ser Ala Thr Glu
                165                 170                 175

Ile Glu Lys Ser Ile Ser Ala Arg
            180
```

<210> 1003
<211> 558
<212> DNA
<213> mouse

<220>
<221> misc
<222> (1)..(558)
<223> mouse BCMA

<400> 1003

```
atggcgcaac agtgtttcca cagtgaatat tttgacagtc tgctgcatgc ttgcaaaccg       60

tgtcacttgc gatgttccaa ccctcctgca acctgtcagc cttactgtga tccaagcgtg      120

accagttcag tgaaagggac gtacacggtg ctctggatct tcttggggct gaccttggtc      180

ctctctttgg cacttttcac aatctcattc ttgctgagga agatgaaccc cgaggccctg      240

aaggacgagc ctcaaagccc aggtcagctt gacggatcgg ctcagctgga caaggccgac      300

accgagctga ctaggatcag ggctggtgac gacaggatct ttccccgaag cctggagtat      360

acagtggaag agtgcacctg tgaggactgt gtcaagagca aacccaaggg ggattctgac      420

catttcttcc cgcttccagc catggaggag ggggcaacca ttcttgtcac cacaaaaacg      480

ggtgactacg gcaagtcaag tgtgccaact gctttgcaaa gtgtcatggg gatggagaag      540

ccaactcaca ctagataa                                                    558
```

<210> 1004
<211> 185
<212> PRT
<213> mouse

<220>
<221> misc
<222> (1)..(185)
<223> mouse BCMA

<400> 1004

Met Ala Gln Gln Cys Phe His Ser Glu Tyr Phe Asp Ser Leu Leu His
1 5 10 15

Ala Cys Lys Pro Cys His Leu Arg Cys Ser Asn Pro Pro Ala Thr Cys
20 25 30

Gln Pro Tyr Cys Asp Pro Ser Val Thr Ser Ser Val Lys Gly Thr Tyr
35 40 45

Thr Val Leu Trp Ile Phe Leu Gly Leu Thr Leu Val Leu Ser Leu Ala
50 55 60

Leu Phe Thr Ile Ser Phe Leu Leu Arg Lys Met Asn Pro Glu Ala Leu
65 70 75 80

Lys Asp Glu Pro Gln Ser Pro Gly Gln Leu Asp Gly Ser Ala Gln Leu
85 90 95

Asp Lys Ala Asp Thr Glu Leu Thr Arg Ile Arg Ala Gly Asp Asp Arg
100 105 110

Ile Phe Pro Arg Ser Leu Glu Tyr Thr Val Glu Glu Cys Thr Cys Glu
115 120 125

Asp Cys Val Lys Ser Lys Pro Lys Gly Asp Ser Asp His Phe Phe Pro
130 135 140

Leu Pro Ala Met Glu Glu Gly Ala Thr Ile Leu Val Thr Thr Lys Thr
145 150 155 160

Gly Asp Tyr Gly Lys Ser Ser Val Pro Thr Ala Leu Gln Ser Val Met
165 170 175

Gly Met Glu Lys Pro Thr His Thr Arg
180 185

<210> 1005
<211> 552
<212> DNA
<213> rhesus monkey

<220>
<221> misc
<222> (1)..(552)
<223> rhesus monkey BCMA

<400> 1005
atgttgcaga tggctcggca gtgctcccaa aatgaatatt ttgacagttt gttgcatgat 60

tgcaaacctt gtcaacttcg atgttctagt actcctcctc taacatgtca gcgttattgc 120

aatgcaagta tgaccaattc agtgaaagga atgaatgcga ttctctggac ctgtttggga 180

ctgagcttga taatttcttt ggcagttttc gtgctaacgt ttttgctaag gaagatgagc 240

tctgaaccat taaaggatga gtttaaaaac acaggatcag gtctcctggg catggctaac 300

attgacctgg aaaagggcag gactggtgat gaaattgttc ttccaagagg cctggagtac 360

acggtggaag aatgcacctg tgaagactgc atcaagaata aaccaaaggt tgattctgac 420

cattgctttc cactcccagc catggaggaa ggcgcaacca ttctcgtcac cacgaaaacg 480

aatgactatt gcaatagcct gtcagctgct ttgagtgtta cggagataga gaaatcaatt 540

tctgctaggt aa 552

<210> 1006
<211> 183
<212> PRT
<213> rhesus monkey

<220>
<221> misc
<222> (1)..(183)
<223> rhesus monkey BCMA

<400> 1006

Met Leu Gln Met Ala Arg Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser
1 5 10 15

Leu Leu His Asp Cys Lys Pro Cys Gln Leu Arg Cys Ser Ser Thr Pro
20 25 30

```
Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Met Thr Asn Ser Val
        35                  40                  45

Lys Gly Met Asn Ala Ile Leu Trp Thr Cys Leu Gly Leu Ser Leu Ile
    50                  55                  60

Ile Ser Leu Ala Val Phe Val Leu Thr Phe Leu Leu Arg Lys Met Ser
65                  70                  75                  80

Ser Glu Pro Leu Lys Asp Glu Phe Lys Asn Thr Gly Ser Gly Leu Leu
                85                  90                  95

Gly Met Ala Asn Ile Asp Leu Glu Lys Gly Arg Thr Gly Asp Glu Ile
            100                 105                 110

Val Leu Pro Arg Gly Leu Glu Tyr Thr Val Glu Glu Cys Thr Cys Glu
        115                 120                 125

Asp Cys Ile Lys Asn Lys Pro Lys Val Asp Ser Asp His Cys Phe Pro
    130                 135                 140

Leu Pro Ala Met Glu Glu Gly Ala Thr Ile Leu Val Thr Thr Lys Thr
145                 150                 155                 160

Asn Asp Tyr Cys Asn Ser Leu Ser Ala Ala Leu Ser Val Thr Glu Ile
                165                 170                 175

Glu Lys Ser Ile Ser Ala Arg
            180


<210>  1007
<211>  54
<212>  PRT
<213>  human


<220>
<221>  misc
<222>  (1)..(54)
<223>  human BCMA

<400>  1007

Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser
1               5                   10                  15
```

```
Leu Leu His Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr
            20                  25                  30

Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser
        35                  40                  45

Val Lys Gly Thr Asn Ala
    50
```

<210> 1008
<211> 49
<212> PRT
<213> mouse

<220>
<221> misc
<222> (1)..(49)
<223> mouse BCMA

<400> 1008

```
Met Ala Gln Gln Cys Phe His Ser Glu Tyr Phe Asp Ser Leu Leu His
1               5                   10                  15

Ala Cys Lys Pro Cys His Leu Arg Cys Ser Asn Pro Pro Ala Thr Cys
            20                  25                  30

Gln Pro Tyr Cys Asp Pro Ser Val Thr Ser Ser Val Lys Gly Thr Tyr
        35                  40                  45

Thr
```

<210> 1009
<211> 51
<212> PRT
<213> artificial

<220>
<223> human/mouse BCMA chimera

<400> 1009

```
Met Ala Gln Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser Leu Leu His
1               5                   10                  15

Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr Pro Pro Leu
            20                  25                  30
```

```
Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser Val Lys Gly
        35                  40                  45


Thr Asn Ala
    50


<210>  1010
<211>  54
<212>  PRT
<213>  artificial

<220>
<223>  human/mouse BCMA chimera

<400>  1010

Met Leu Gln Met Ala Gly Gln Cys Phe His Ser Glu Tyr Phe Asp Ser
1               5                   10                  15


Leu Leu His Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr
            20                  25                  30


Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser
        35                  40                  45


Val Lys Gly Thr Asn Ala
    50


<210>  1011
<211>  52
<212>  PRT
<213>  artificial

<220>
<223>  human/mouse BCMA chimera

<400>  1011

Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser
1               5                   10                  15


Leu Leu His Ala Cys Ile Pro Cys His Leu Arg Cys Ser Asn Pro Pro
            20                  25                  30


Ala Thr Cys Gln Pro Tyr Cys Asn Ala Ser Val Thr Asn Ser Val Lys
        35                  40                  45


Gly Thr Asn Ala
```

50

<210> 1012
<211> 54
<212> PRT
<213> artificial

<220>
<223> human/mouse BCMA chimera

<400> 1012

Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser
1 5 10 15

Leu Leu His Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr
20 25 30

Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asp Pro Ser Val Thr Ser Ser
35 40 45

Val Lys Gly Thr Tyr Thr
50

<210> 1013
<211> 54
<212> PRT
<213> artificial

<220>
<223> human/mouse BCMA chimera

<400> 1013

Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser
1 5 10 15

Leu Leu His Ala Cys Lys Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr
20 25 30

Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser
35 40 45

Val Lys Gly Thr Asn Ala
50

<210> 1014
<211> 54
<212> PRT

<213> artificial

<220>
<223> human/mouse BCMA chimera

<400> 1014

Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser
1 5 10 15

Leu Leu His Ala Cys Ile Pro Cys His Leu Arg Cys Ser Ser Asn Thr
20 25 30

Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser
35 40 45

Val Lys Gly Thr Asn Ala
50

<210> 1015
<211> 54
<212> PRT
<213> artificial

<220>
<223> human/mouse BCMA chimera

<400> 1015

Met Leu Gln Met Ala Gly Gln Cys Ser Gln Asn Glu Tyr Phe Asp Ser
1 5 10 15

Leu Leu His Ala Cys Ile Pro Cys Gln Leu Arg Cys Ser Ser Asn Thr
20 25 30

Pro Pro Leu Thr Cys Gln Pro Tyr Cys Asn Ala Ser Val Thr Asn Ser
35 40 45

Val Lys Gly Thr Asn Ala
50

<210> 1016
<211> 18
<212> PRT
<213> human

<220>
<221> misc
<222> (1)..(18)

<223> human BCMA

<400> 1016

Cys Gln Leu Arg Cys Ser Ser Asn Thr Pro Pro Leu Thr Cys Gln Arg
1 5 10 15

Tyr Cys

<210> 1017
<211> 17
<212> PRT
<213> rhesus monkey

<220>
<221> misc
<222> (1)..(17)
<223> rhesus monkey BCMA

<400> 1017

Cys Gln Leu Arg Cys Ser Ser Thr Pro Pro Leu Thr Cys Gln Arg Tyr
1 5 10 15

Cys

<210> 1018
<211> 7
<212> PRT
<213> human

<220>
<221> misc
<222> (1)..(7)
<223> human BCMA

<400> 1018

Met Leu Gln Met Ala Gly Gln
1 5

<210> 1019
<211> 13
<212> PRT
<213> human

<220>
<221> misc

<222> (1)..(13)
<223> human BCMA

<400> 1019

Asn Ala Ser Val Thr Asn Ser Val Lys Gly Thr Asn Ala
1 5 10

<210> 1020
<211> 7
<212> PRT
<213> rhesus monkey

<220>
<221> misc
<222> (1)..(7)
<223> rhesus monkey BCMA

<400> 1020

Met Leu Gln Met Ala Arg Gln
1 5

<210> 1021
<211> 13
<212> PRT
<213> rhesus monkey

<220>
<221> misc
<222> (1)..(13)
<223> rhesus monkey BCMA

<400> 1021

Asn Ala Ser Met Thr Asn Ser Val Lys Gly Met Asn Ala
1 5 10

<210> 1022
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-101

<400> 1022

Gly Phe Thr Phe Ser Asn Tyr Asp Met Ala
1 5 10

<210> 1023

<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-101

<400> 1023

Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 1024
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-101

<400> 1024

His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr
1 5 10

<210> 1025
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-101

<400> 1025

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp
1 5 10

<210> 1026
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-101

<400> 1026

Gly Ala Ser Asn Arg His Thr
1 5

<210> 1027
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-101

<400> 1027

Leu Gln Tyr Gly Ser Ile Pro Phe Thr
1 5

<210> 1028
<211> 121
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-101

<400> 1028

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Thr Lys Gly Leu Glu Trp Val
35 40 45

Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ala Lys Ser Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys
85 90 95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 1029

<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-101

<400> 1029

Glu Thr Val Met Thr Gln Ser Pro Thr Ser Met Ser Thr Ser Ile Gly
1 5 10 15

Glu Arg Val Thr Leu Asn Cys Lys Ala Ser Gln Ser Val Gly Ile Asn
20 25 30

Val Asp Trp Tyr Gln Gln Thr Pro Gly Gln Ser Pro Lys Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Asn Arg His Thr Gly Val Pro Asp Arg Phe Thr Gly
50 55 60

Ser Gly Phe Gly Arg Asp Phe Thr Leu Thr Ile Ser Asn Val Glu Ala
65 70 75 80

Glu Asp Leu Ala Val Tyr Tyr Cys Leu Gln Tyr Gly Ser Ile Pro Phe
85 90 95

Thr Phe Gly Ser Gly Thr Lys Leu Glu Leu Lys
100 105

<210> 1030
<211> 244
<212> PRT
<213> artificial

<220>
<223> BCMA-101 scFv

<400> 1030

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
20 25 30

Asp Met Ala Trp Val Arg Gln Ala Pro Thr Lys Gly Leu Glu Trp Val
35 40 45

```
Ala Ser Ile Ile Thr Ser Gly Gly Asp Asn Tyr Tyr Arg Asp Ser Val
    50                  55                  60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ala Lys Ser Thr Leu Tyr
65                  70                  75                  80

Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys
                85                  90                  95

Val Arg His Asp Tyr Tyr Asp Gly Ser Tyr Gly Phe Ala Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
        115                 120                 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Thr Val Met Thr Gln Ser
    130                 135                 140

Pro Thr Ser Met Ser Thr Ser Ile Gly Glu Arg Val Thr Leu Asn Cys
145                 150                 155                 160

Lys Ala Ser Gln Ser Val Gly Ile Asn Val Asp Trp Tyr Gln Gln Thr
                165                 170                 175

Pro Gly Gln Ser Pro Lys Leu Leu Ile Tyr Gly Ala Ser Asn Arg His
            180                 185                 190

Thr Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Phe Gly Arg Asp Phe
        195                 200                 205

Thr Leu Thr Ile Ser Asn Val Glu Ala Glu Asp Leu Ala Val Tyr Tyr
    210                 215                 220

Cys Leu Gln Tyr Gly Ser Ile Pro Phe Thr Phe Gly Ser Gly Thr Lys
225                 230                 235                 240

Leu Glu Leu Lys
```

<210> 1031
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-102

<400> 1031

Gly Tyr Thr Phe Thr Asn His Ile Ile His
1 5 10

<210> 1032
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-102

<400> 1032

Tyr Ile Asn Pro Tyr Asn Asp Asp Thr Glu Tyr Asn Glu Lys Phe Lys
1 5 10 15

Gly

<210> 1033
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-102

<400> 1033

Asp Gly Tyr Tyr Arg Asp Met Asp Val Met Asp Tyr
1 5 10

<210> 1034
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-102

<400> 1034

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn
1 5 10

<210> 1035
<211> 7
<212> PRT

<213> artificial

<220>
<223> VL CDR2 of BCMA-102

<400> 1035

Tyr Thr Ser Arg Leu His Ser
1 5

<210> 1036
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-102

<400> 1036

Gln Gln Gly Asn Thr Leu Pro Trp Thr
1 5

<210> 1037
<211> 122
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-102

<400> 1037

Glu Val Gln Leu Val Glu Gln Ser Gly Pro Glu Leu Val Lys Pro Gly
1 5 10 15

Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn
20 25 30

His Ile Ile His Trp Val Lys Gln Lys Pro Gly Gln Gly Leu Glu Trp
35 40 45

Ile Gly Tyr Ile Asn Pro Tyr Asn Asp Asp Thr Glu Tyr Asn Glu Lys
50 55 60

Phe Lys Gly Lys Ala Thr Leu Thr Ser Asp Lys Ser Ser Thr Thr Ala
65 70 75 80

Tyr Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr
85 90 95

```
Cys Ala Arg Asp Gly Tyr Tyr Arg Asp Met Asp Val Met Asp Tyr Trp
            100                 105                 110


Gly Gln Gly Thr Thr Val Thr Val Ser Ser
        115                 120


<210>  1038
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-102

<400>  1038

Glu Leu Val Met Thr Gln Thr Pro Ser Ser Leu Ser Ala Ser Leu Gly
1               5                   10                  15


Asp Arg Val Thr Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr
            20                  25                  30


Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Val Lys Leu Leu Ile
        35                  40                  45


Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60


Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu Glu Gln
65                  70                  75                  80


Glu Asp Ile Ala Thr Tyr Phe Cys Gln Gln Gly Asn Thr Leu Pro Trp
                85                  90                  95


Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210>  1039
<211>  244
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-102 scFv

<400>  1039

Glu Val Gln Leu Val Glu Gln Ser Gly Pro Glu Leu Val Lys Pro Gly
```

```
1               5                   10                  15

Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn
            20                  25                  30

His Ile Ile His Trp Val Lys Gln Lys Pro Gly Gln Gly Leu Glu Trp
        35                  40                  45

Ile Gly Tyr Ile Asn Pro Tyr Asn Asp Asp Thr Glu Tyr Asn Glu Lys
    50                  55                  60

Phe Lys Gly Lys Ala Thr Leu Thr Ser Asp Lys Ser Ser Thr Thr Ala
65                  70                  75                  80

Tyr Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr
                85                  90                  95

Cys Ala Arg Asp Gly Tyr Tyr Arg Asp Met Asp Val Met Asp Tyr Trp
            100                 105                 110

Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
        115                 120                 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Met Thr Gln Thr
    130                 135                 140

Pro Ser Ser Leu Ser Ala Ser Leu Gly Asp Arg Val Thr Ile Ser Cys
145                 150                 155                 160

Arg Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys
                165                 170                 175

Pro Asp Gly Thr Val Lys Leu Leu Ile Tyr Tyr Thr Ser Arg Leu His
            180                 185                 190

Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr
        195                 200                 205

Ser Leu Thr Ile Ser Asn Leu Glu Gln Glu Asp Ile Ala Thr Tyr Phe
    210                 215                 220

Cys Gln Gln Gly Asn Thr Leu Pro Trp Thr Phe Gly Gly Gly Thr Lys
225                 230                 235                 240
```

Leu Glu Ile Lys

<210> 1040
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-103

<400> 1040

Gly Phe Thr Phe Ser Asn Tyr Asp Met Ala
1 5 10

<210> 1041
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-103

<400> 1041

Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 1042
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-103

<400> 1042

Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr
1 5 10

<210> 1043
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-103

<400> 1043

Arg Ala Ser Glu Asp Ile Tyr Asn Gly Leu Ala
1 5 10

<210> 1044
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-103

<400> 1044

Gly Ala Ser Ser Leu Gln Asp
1 5

<210> 1045
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-103

<400> 1045

Gln Gln Ser Tyr Lys Tyr Pro Leu Thr
1 5

<210> 1046
<211> 122
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-103

<400> 1046

Glu Val Gln Leu Val Glu Glu Ser Gly Gly Gly Leu Leu Gln Pro Gly
1 5 10 15

Arg Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn
20 25 30

Tyr Asp Met Ala Trp Val Arg Gln Ala Pro Thr Lys Gly Leu Glu Trp
35 40 45

Val Ala Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser

```
    50                  55                  60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu
65                  70                  75                  80

Tyr Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr
                85                  90                  95

Cys Ala Arg Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp
            100                 105                 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120


<210>  1047
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-103

<400>  1047

Glu Leu Val Met Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Leu Gly
1               5                   10                  15

Glu Thr Val Thr Ile Glu Cys Arg Ala Ser Glu Asp Ile Tyr Asn Gly
            20                  25                  30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ser Pro Gln Leu Leu Ile
        35                  40                  45

Tyr Gly Ala Ser Ser Leu Gln Asp Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Gln Tyr Ser Leu Lys Ile Ser Gly Met Gln Pro
65                  70                  75                  80

Glu Asp Glu Ala Asn Tyr Phe Cys Gln Gln Ser Tyr Lys Tyr Pro Leu
                85                  90                  95

Thr Phe Gly Ser Gly Thr Lys Leu Glu Leu Lys
            100                 105


<210>  1048
```

<211> 244
<212> PRT
<213> artificial

<220>
<223> BCMA-103 scFv

<400> 1048

Glu Val Gln Leu Val Glu Glu Ser Gly Gly Gly Leu Leu Gln Pro Gly
1 5 10 15

Arg Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn
20 25 30

Tyr Asp Met Ala Trp Val Arg Gln Ala Pro Thr Lys Gly Leu Glu Trp
35 40 45

Val Ala Ser Ile Ser Thr Arg Gly Asp Ile Thr Ser Tyr Arg Asp Ser
50 55 60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu
65 70 75 80

Tyr Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr
85 90 95

Cys Ala Arg Gln Asp Tyr Tyr Thr Asp Tyr Met Gly Phe Ala Tyr Trp
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Glu Leu Val Met Thr Gln Ser Pro Ala
130 135 140

Ser Leu Ser Ala Ser Leu Gly Glu Thr Val Thr Ile Glu Cys Arg Ala
145 150 155 160

Ser Glu Asp Ile Tyr Asn Gly Leu Ala Trp Tyr Gln Gln Lys Pro Gly
165 170 175

Lys Ser Pro Gln Leu Leu Ile Tyr Gly Ala Ser Ser Leu Gln Asp Gly
180 185 190

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Gln Tyr Ser Leu

```
        195                 200                 205

Lys Ile Ser Gly Met Gln Pro Glu Asp Glu Ala Asn Tyr Phe Cys Gln
    210                 215                 220

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

Leu Lys Gly Ser
```

<210> 1049
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-104

<400> 1049

```
Gly Phe Thr Phe Ser Asn Phe Asp Met Ala
1               5                   10
```

<210> 1050
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-104

<400> 1050

```
Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Arg Asp Ser Val Lys
1               5                   10                  15

Gly
```

<210> 1051
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-104

<400> 1051

```
His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
```

1 5 10

<210> 1052
<211> 10
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-104

<400> 1052

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu
1 5 10

<210> 1053
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-104

<400> 1053

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 1054
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-104

<400> 1054

Gln Gln Tyr Asp Ile Ser Ser Tyr Thr
1 5

<210> 1055
<211> 122
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-104

<400> 1055

Glu Val Gln Leu Val Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
1 5 10 15

```
Arg Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn
            20                  25                  30

Phe Asp Met Ala Trp Val Arg Gln Ala Pro Thr Arg Gly Leu Glu Trp
        35                  40                  45

Val Ala Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Arg Asp Ser
    50                  55                  60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu
65                  70                  75                  80

Tyr Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr
                85                  90                  95

Cys Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp
            100                 105                 110

Gly Gln Gly Ala Ser Val Thr Val Ser Ser
        115                 120


<210>  1056
<211>  107
<212>  PRT
<213>  artificial

<220>
<223>  VL of BCMA-104

<400>  1056

Glu Leu Val Met Thr Gln Thr Pro Ser Ser Met Pro Ala Ser Leu Gly
1               5                   10                  15

Glu Arg Val Thr Ile Ser Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Ile Lys Pro Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Asn Ser Leu Glu Pro
65                  70                  75                  80
```

```
Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asp Ile Ser Ser Tyr
                85                  90                  95

Thr Phe Gly Ala Gly Thr Lys Leu Glu Ile Lys
            100                 105
```

<210> 1057
<211> 244
<212> PRT
<213> artificial

<220>
<223> BCMA-104 scFv

<400> 1057

```
Glu Val Gln Leu Val Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
1               5                  10                  15

Arg Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn
            20                  25                  30

Phe Asp Met Ala Trp Val Arg Gln Ala Pro Thr Arg Gly Leu Glu Trp
        35                  40                  45

Val Ala Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Arg Asp Ser
    50                  55                  60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu
65                  70                  75                  80

Tyr Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr
                85                  90                  95

Cys Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp
            100                 105                 110

Gly Gln Gly Ala Ser Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
        115                 120                 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Met Thr Gln Thr
    130                 135                 140

Pro Ser Ser Met Pro Ala Ser Leu Gly Glu Arg Val Thr Ile Ser Cys
145                 150                 155                 160
```

Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Asn Trp Tyr Gln Gln Lys
165 170 175

Pro Asp Gly Thr Ile Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln
180 185 190

Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr
195 200 205

Ser Leu Thr Ile Asn Ser Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr
210 215 220

Cys Gln Gln Tyr Asp Ile Ser Ser Tyr Thr Phe Gly Ala Gly Thr Lys
225 230 235 240

Leu Glu Ile Lys

<210> 1058
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-105

<400> 1058

Gly Phe Thr Phe Ser Asn Phe Asp Met Ala
1 5 10

<210> 1059
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-105

<400> 1059

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 1060

<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-105

<400> 1060

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 1061
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-105

<400> 1061

Arg Ala Ser Gln Gly Ile Ser Asn His Leu Asn
1 5 10

<210> 1062
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-105

<400> 1062

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 1063
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-105

<400> 1063

Gln Gln Tyr Asp Ser Phe Pro Leu Thr
1 5

<210> 1064
<211> 122
<212> PRT

<213> artificial

<220>
<223> VH of BCMA-105

<400> 1064

Glu Val Gln Leu Val Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
1 5 10 15

Arg Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn
20 25 30

Phe Asp Met Ala Trp Val Arg Gln Ala Pro Thr Arg Gly Leu Glu Trp
35 40 45

Val Ala Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Arg Asp Ser
50 55 60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu
65 70 75 80

Tyr Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr
85 90 95

Cys Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 1065
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-105

<400> 1065

Glu Leu Val Met Thr Gln Thr Pro Ser Ser Met Pro Ala Ser Leu Gly
1 5 10 15

Glu Arg Val Thr Ile Ser Cys Arg Ala Ser Gln Gly Ile Ser Asn His
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Ile Lys Pro Leu Ile

```
         35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Ser Ser Leu Glu Pro
65                  70                  75                  80

Glu Asp Phe Ala Met Tyr Tyr Cys Gln Gln Tyr Asp Ser Phe Pro Leu
                85                  90                  95

Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210>  1066
<211>  244
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-105 scFv

<400>  1066

Glu Val Gln Leu Val Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
1               5                   10                  15

Arg Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn
            20                  25                  30

Phe Asp Met Ala Trp Val Arg Gln Ala Pro Thr Arg Gly Leu Glu Trp
        35                  40                  45

Val Ala Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Arg Asp Ser
    50                  55                  60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu
65                  70                  75                  80

Tyr Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr
                85                  90                  95

Cys Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp
            100                 105                 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
```

```
        115                 120                 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Met Thr Gln Thr
    130                 135                 140

Pro Ser Ser Met Pro Ala Ser Leu Gly Glu Arg Val Thr Ile Ser Cys
145                 150                 155                 160

Arg Ala Ser Gln Gly Ile Ser Asn His Leu Asn Trp Tyr Gln Gln Lys
                165                 170                 175

Pro Asp Gly Thr Ile Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln
            180                 185                 190

Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr
        195                 200                 205

Ser Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Met Tyr Tyr
    210                 215                 220

Cys Gln Gln Tyr Asp Ser Phe Pro Leu Thr Phe Gly Ser Gly Thr Lys
225                 230                 235                 240

Leu Glu Ile Lys
```

<210> 1067
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-106

<400> 1067

```
Gly Phe Thr Phe Ser Asn Phe Asp Met Ala
1               5                   10
```

<210> 1068
<211> 17
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-106

<400> 1068

Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Arg Asp Ser Val Lys
1 5 10 15

Gly

<210> 1069
<211> 12
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-106

<400> 1069

His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr
1 5 10

<210> 1070
<211> 11
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-106

<400> 1070

Arg Ala Ser Gln Gly Ile Ser Asn Asn Leu Asn
1 5 10

<210> 1071
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-106

<400> 1071

Tyr Thr Ser Asn Leu Gln Ser
1 5

<210> 1072
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-106

<400> 1072

Gln Gln Phe Asp Thr Ser Pro Tyr Thr
1 5

<210> 1073
<211> 122
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-106

<400> 1073

Glu Val Gln Leu Val Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
1 5 10 15

Arg Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn
20 25 30

Phe Asp Met Ala Trp Val Arg Gln Ala Pro Thr Arg Gly Leu Glu Trp
35 40 45

Val Ala Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Arg Asp Ser
50 55 60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu
65 70 75 80

Tyr Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr
85 90 95

Cys Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp
100 105 110

Gly Gln Gly Val Met Val Thr Val Ser Ser
115 120

<210> 1074
<211> 107
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-106

<400> 1074

```
Glu Leu Val Met Thr Gln Thr Pro Ser Ser Met Pro Ala Ser Leu Gly
1               5                   10                  15

Glu Arg Val Thr Ile Ser Cys Arg Ala Ser Gln Gly Ile Ser Asn Asn
            20                  25                  30

Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Ile Lys Pro Leu Ile
        35                  40                  45

Tyr Tyr Thr Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Ser Ser Leu Glu Pro
65                  70                  75                  80

Glu Asp Phe Ala Met Tyr Tyr Cys Gln Gln Phe Asp Thr Ser Pro Tyr
                85                  90                  95

Thr Phe Gly Ala Gly Thr Lys Leu Glu Ile Lys
            100                 105


<210>  1075
<211>  244
<212>  PRT
<213>  artificial

<220>
<223>  BCMA-106 scFv

<400>  1075

Glu Val Gln Leu Val Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
1               5                   10                  15

Arg Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn
            20                  25                  30

Phe Asp Met Ala Trp Val Arg Gln Ala Pro Thr Arg Gly Leu Glu Trp
        35                  40                  45

Val Ala Ser Ile Thr Thr Gly Gly Gly Asp Thr Tyr Tyr Arg Asp Ser
    50                  55                  60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser Thr Leu
65                  70                  75                  80
```

```
Tyr Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr
                85                  90                  95

Cys Val Arg His Gly Tyr Tyr Asp Gly Tyr His Leu Phe Asp Tyr Trp
            100                 105                 110

Gly Gln Gly Val Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
        115                 120                 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Met Thr Gln Thr
    130                 135                 140

Pro Ser Ser Met Pro Ala Ser Leu Gly Glu Arg Val Thr Ile Ser Cys
145                 150                 155                 160

Arg Ala Ser Gln Gly Ile Ser Asn Asn Leu Asn Trp Tyr Gln Gln Lys
                165                 170                 175

Pro Asp Gly Thr Ile Lys Pro Leu Ile Tyr Tyr Thr Ser Asn Leu Gln
            180                 185                 190

Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr
        195                 200                 205

Ser Leu Thr Ile Ser Ser Leu Glu Pro Glu Asp Phe Ala Met Tyr Tyr
    210                 215                 220

Cys Gln Gln Phe Asp Thr Ser Pro Tyr Thr Phe Gly Ala Gly Thr Lys
225                 230                 235                 240

Leu Glu Ile Lys
```

<210> 1076
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-107

<400> 1076

```
Gly Tyr Ser Phe Pro Asp Tyr Tyr Ile Asn
1               5                   10
```

<210> 1077
<211> 13
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-107

<400> 1077

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu
1 5 10

<210> 1078
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-107

<400> 1078

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 1079
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-107

<400> 1079

Arg Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 1080
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-107

<400> 1080

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 1081

<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-107

<400> 1081

Ser Gln Ser Thr His Val Pro Tyr Thr
1 5

<210> 1082
<211> 120
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-107

<400> 1082

Glu Val Gln Leu Val Glu Gln Ser Gly Pro Glu Leu Val Lys Pro Gly
1 5 10 15

Ala Ser Val Lys Ile Ser Cys Lys Val Ser Gly Tyr Ser Phe Pro Asp
20 25 30

Tyr Tyr Ile Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp
35 40 45

Ile Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Arg
50 55 60

Phe Thr Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Asn Thr Ala
65 70 75 80

Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe
85 90 95

Cys Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln
100 105 110

Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 1083
<211> 112
<212> PRT

<213> artificial

<220>
<223> VL of BCMA-107

<400> 1083

Glu Leu Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly
1 5 10 15

Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Ala Asp Phe Thr Leu Lys Ile
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Phe Cys Ser Gln Ser
85 90 95

Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 1084
<211> 247
<212> PRT
<213> artificial

<220>
<223> BCMA-107 scFv

<400> 1084

Glu Val Gln Leu Val Glu Gln Ser Gly Pro Glu Leu Val Lys Pro Gly
1 5 10 15

Ala Ser Val Lys Ile Ser Cys Lys Val Ser Gly Tyr Ser Phe Pro Asp
20 25 30

Tyr Tyr Ile Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp
35 40 45

Ile Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Arg

```
    50                  55                  60

Phe Thr Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Asn Thr Ala
65                  70                  75                  80

Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe
                85                  90                  95

Cys Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln
            100                 105                 110

Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Met Thr Gln Thr Pro Leu
    130                 135                 140

Ser Leu Pro Val Ser Leu Gly Asp Gln Ala Ser Ile Ser Cys Arg Ser
145                 150                 155                 160

Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr
                165                 170                 175

Leu Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile Tyr Lys Val Ser
            180                 185                 190

Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly
        195                 200                 205

Ala Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Leu Gly
    210                 215                 220

Val Tyr Phe Cys Ser Gln Ser Thr His Val Pro Tyr Thr Phe Gly Gly
225                 230                 235                 240

Gly Thr Lys Leu Glu Ile Lys
                245
```

<210> 1085
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR1 of BCMA-108

<400> 1085

Gly Tyr Ser Phe Pro Asp Tyr Tyr Ile Asn
1 5 10

<210> 1086
<211> 13
<212> PRT
<213> artificial

<220>
<223> VH CDR2 of BCMA-108

<400> 1086

Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu
1 5 10

<210> 1087
<211> 10
<212> PRT
<213> artificial

<220>
<223> VH CDR3 of BCMA-108

<400> 1087

Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val
1 5 10

<210> 1088
<211> 16
<212> PRT
<213> artificial

<220>
<223> VL CDR1 of BCMA-108

<400> 1088

Arg Ser Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His
1 5 10 15

<210> 1089
<211> 7
<212> PRT
<213> artificial

<220>
<223> VL CDR2 of BCMA-108

<400> 1089

Lys Val Ser Asn Arg Phe Ser
1 5

<210> 1090
<211> 9
<212> PRT
<213> artificial

<220>
<223> VL CDR3 of BCMA-108

<400> 1090

Phe Gln Gly Ser His Val Pro Trp Thr
1 5

<210> 1091
<211> 120
<212> PRT
<213> artificial

<220>
<223> VH of BCMA-108

<400> 1091

Glu Val Gln Leu Val Glu Gln Ser Gly Pro Gln Leu Val Lys Pro Gly
1 5 10 15

Ala Ser Val Lys Ile Ser Cys Lys Val Ser Gly Tyr Ser Phe Pro Asp
20 25 30

Tyr Tyr Ile Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp
35 40 45

Ile Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Arg
50 55 60

Phe Thr Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Asn Thr Ala
65 70 75 80

Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe
85 90 95

Cys Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln
100 105 110

Gly Thr Thr Val Thr Val Ser Ser

115 120

<210> 1092
<211> 112
<212> PRT
<213> artificial

<220>
<223> VL of BCMA-108

<400> 1092

Glu Leu Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly
1 5 10 15

Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val His Ser
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
50 55 60

Gly Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
65 70 75 80

Asn Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Phe Gln Gly
85 90 95

Ser His Val Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 1093
<211> 247
<212> PRT
<213> artificial

<220>
<223> BCMA-108 scFv

<400> 1093

Glu Val Gln Leu Val Glu Gln Ser Gly Pro Gln Leu Val Lys Pro Gly
1 5 10 15

Ala Ser Val Lys Ile Ser Cys Lys Val Ser Gly Tyr Ser Phe Pro Asp
20 25 30

```
Tyr Tyr Ile Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp
        35                  40                  45

Ile Gly Trp Ile Tyr Phe Ala Ser Gly Asn Ser Glu Tyr Asn Glu Arg
    50                  55                  60

Phe Thr Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Asn Thr Ala
65                  70                  75                  80

Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe
                85                  90                  95

Cys Ala Ser Leu Tyr Asp Tyr Asp Trp Tyr Phe Asp Val Trp Gly Gln
            100                 105                 110

Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Met Thr Gln Thr Pro Leu
    130                 135                 140

Ser Leu Pro Val Ser Leu Gly Asp Gln Ala Ser Ile Ser Cys Arg Ser
145                 150                 155                 160

Ser Gln Ser Leu Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr
                165                 170                 175

Leu Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile Tyr Lys Val Ser
            180                 185                 190

Asn Arg Phe Ser Gly Val Pro Gly Arg Phe Ser Gly Ser Gly Ser Gly
        195                 200                 205

Thr Asp Phe Thr Leu Lys Ile Asn Arg Val Glu Ala Glu Asp Leu Gly
    210                 215                 220

Val Tyr Tyr Cys Phe Gln Gly Ser His Val Pro Trp Thr Phe Gly Gly
225                 230                 235                 240

Gly Thr Lys Leu Glu Ile Lys
                245
```