SEQUENCE LISTING

<110> Covagen AG

<120> Novel bispecific binding molecules with antitumoral activity

<130> W1579 PCT

<150> EP 13 16 4555.8
<151> 2013-04-19

<160> 209

<170> BiSSAP 1.2

<210> 1
<211> 63
<212> PRT
<213> Homo sapiens

<400> 1
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Thr Glu
1 5 10 15
Asp Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Ser
20 25 30
Ser Glu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 2
<211> 449
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD3 antibody

<400> 2
Gln Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15
Ser Leu Arg Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Arg Tyr
20 25 30
Thr Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45
Gly Tyr Ile Asn Pro Ser Arg Gly Tyr Thr Asn Tyr Asn Gln Lys Val
50 55 60
Lys Asp Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Ala Phe
65 70 75 80
Leu Gln Met Asp Ser Leu Arg Pro Glu Asp Thr Gly Val Tyr Phe Cys
85 90 95
Ala Arg Tyr Tyr Asp Asp His Tyr Cys Leu Asp Tyr Trp Gly Gln Gly
100 105 110
Thr Pro Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
115 120 125
Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu
130 135 140
Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
145 150 155 160
Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
165 170 175
Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
180 185 190
Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
195 200 205
Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys
210 215 220

Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Ala Ala Gly Gly Pro
225 230 235 240
Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
245 250 255
Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
260 265 270
Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
275 280 285
Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
290 295 300
Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
305 310 315 320
Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
325 330 335
Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
340 345 350
Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr
355 360 365
Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
370 375 380
Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
385 390 395 400
Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
405 410 415
Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
420 425 430
Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
435 440 445
Lys

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

<220>
<223> anti-CD3 antibody

<400> 3
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 Ser Ala Ser Ser Ser Val Ser Tyr Met
20 25 30
Asn Trp Tyr Gln Gln Thr Pro Gly Lys Ala Pro Lys Arg Trp Ile Tyr
35 40 45
Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60
Gly Ser Gly Thr Asp Tyr Thr Phe Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80
Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Phe Thr
85 90 95
Phe Gly Gln Gly Thr Lys Leu Gln Ile Thr Arg Thr Val Ala Ala Pro
100 105 110
Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125
Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140
Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160
Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175
Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190
Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205
Asn Arg Gly Glu Cys
210

<210> 4
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer C12

<400> 4
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Met
20 25 30
Glu Asp Gly Val Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 5
<211> 68
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<220>
<221> VARIANT
<222> 12,13,14,15,16,17,18,34,35,36,41,44,53,55,59
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln,
Ile, Trp, Arg, Met, Pro, Asn, Cys

<220>
<221> VARIANT
<222> 19,20,21,37,38,39
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln,
Ile, Trp, Arg, Met, Pro, Asn, Cys

<400> 5
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Xaa Xaa Xaa Xaa Xaa
1 5 10 15
Xaa Xaa Xaa Xaa Xaa Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Xaa Xaa Xaa Xaa Xaa Xaa Gly Xaa Trp Trp Xaa Ala Arg Ser Leu
35 40 45
Thr Thr Gly Glu Xaa Gly Xaa Ile Pro Ser Xaa Tyr Val Ala Pro Val
50 55 60
Asp Ser Ile Gln
65

<210> 6
<211> 68
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<220>
<221> VARIANT
<222> 12
<223> Thr, Glu, Asp, Gln, Tyr, Val, Trp, Asn, Ser, Phe, Lys

<220>
<221> VARIANT
<222> 13
<223> Ser, Ala, Arg, Thr

<220>
<221> VARIANT
<222> 14
<223> Tyr, Arg, His, Thr, Asn, Val, Trp, Ser

<220>
<221> VARIANT
<222> 15
<223> Asn, Asp, Met, Tyr, Arg, Pro, Glu, Leu, His, Thr, Gly, Phe

<220>
<221> VARIANT
<222> 16
<223> Thr, Ser, Pro, Gln, Arg, Lys, Gly, Ala, Asp, Met, Asn, Leu, Phe,
Tyr, Glu

<220>
<221> VARIANT
<222> 17
<223> Arg, Met, Lys, Asp, Phe, Thr, Gly, His, Ser, Pro, Asn, Gln, Tyr,
Leu, Ala, Pro

<220>
<221> VARIANT
<222> 19
<223> Asp, Gly, Val, Leu, His, Asn, Arg, Phe, Ser, Ala

<220>
<221> VARIANT
<222> 19
<223> Gly, Ser, Glu, Asp, Pro, Tyr or is absent

<220>
<221> VARIANT
<222> 20
<223> Gln, Asp, Ser, His or is absent

<220>
<221> VARIANT
<222> 21
<223> Asp, Val or is absent

<220>
<221> VARIANT
<222> 34
<223> Arg, Lys, Gln, Asn, Ser, Gly, Trp, Met, His, Leu, Phe, Glu, Thr,
Pro, Ala, Asp, Val

<220>
<221> VARIANT
<222> 35
<223> Met, Arg, Glu, Gly, Asn, Asp, Ser, Ala, Gln, Phe, Pro, Lys, Tyr,
Thr, His, Val, Leu, Trp

<220>
<221> VARIANT
<222> 36
<223> Glu, Trp, Pro, Arg, Lys, Ser, Val, Asn, Asp, His, Gly, Thr, Gln,
Ala, Tyr, Leu, Met

<220>
<221> VARIANT
<222> 37
<223> Asp, Arg, Gln, Ser, Ala, Asn, Pro, Ile, His, Thr, Tyr, Glu, Leu,
Lys, Met, Val, Ile, Trp or is absent

<220>

<221> VARIANT
<222> 38
<223> Gly, Ser, Ile, Leu, Ala, Val, Thr, Glu, Asp, Gln, Arg, Pro, Lys, Met, His, Tyr or is absent

<220>
<221> VARIANT
<222> 39
<223> Lys, Gly, Arg, Ala, Thr, Val, Ser, Ile, Glu, Gln, Pro, Asp, Asn, His or is absent

<220>
<221> VARIANT
<222> 41
<223> Val, Asp, Thr, Ile, Tyr

<220>
<221> VARIANT
<222> 44
<223> Glu, Ala, Arg, Thr, Gln

<220>
<221> VARIANT
<222> 53
<223> Thr, Ile, Val

<220>
<221> VARIANT
<222> 55
<223> Tyr, Leu, Phe

<220>
<221> VARIANT
<222> 59
<223> Asn, Ser

<400> 6
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Xaa Xaa Xaa Xaa Xaa
1 5 10 15
Xaa Xaa Xaa Xaa Xaa Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Xaa Xaa Xaa Xaa Xaa Xaa Gly Xaa Trp Trp Xaa Ala Arg Ser Leu
35 40 45
Thr Thr Gly Glu Xaa Gly Xaa Ile Pro Ser Xaa Tyr Val Ala Pro Val
50 55 60
Asp Ser Ile Gln
65

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

<220>
<223> mutated RT-loop

<400> 7
Thr Ser Tyr Asn Thr Arg Asp
1 5

<210> 8
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> mutated SRC-loop

<400> 8
Arg Met Glu Asp
1

<210> 9
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 9
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Asp Ser
1 5 10 15
Met Gly Gly Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Lys Arg Trp Arg Gly Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 10
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 10
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Asp Ser
1 5 10 15
Met Gly Gly Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Thr Arg Trp Ala Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 11
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 11
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Gln Ala Tyr Gly Met
1 5 10 15
Tyr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Pro
20 25 30
Lys Asp Thr Gly Tyr Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 12
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 12
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Glu Phe
1   5   10   15
Met Gly Gly Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu Thr Met Trp Lys Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
        35   40   45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
    50   55   60
Ile Gln
65

<210> 13
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 13
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Pro Tyr
1   5   10   15
Leu Gly Gly Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu His Ala Ser Met Leu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
        35   40   45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
    50   55   60
Ser Ile Gln
65

<210> 14
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 14
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Gln
1   5   10   15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Asp
            20   25   30
Asn Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 15
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

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

35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 16
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 16
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Pro Tyr
1 5 10 15
Leu Gly Gly Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Asn His Pro Pro Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 17
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 17
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Tyr Asp Leu
1 5 10 15
Ser Arg Pro Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu
20 25 30
Asn Ser Ser Glu Gly Thr Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Phe Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 18
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 18
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Met Pro
1 5 10 15
Lys Val Ser Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu
20 25 30
Gln Glu Pro Gln Ser Lys Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 19
<211> 67

<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 19
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Pro Gly
1   5   10   15
Arg His Ser Ser Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu His Gln Ser Asn Val Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
        35   40   45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
    50   55   60
Ser Ile Gln
65

<210> 20
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 20
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Gln Thr Thr Arg Pro
1   5   10   15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Arg
            20   25   30
Thr Gln Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
        35   40   45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 21
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 21
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Gln Thr Asn Asn Ser
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Asn
            20   25   30
Thr Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 22
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 22
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Tyr Ser Tyr Asn Thr
1   5   10   15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Arg

20 25 30
Ala Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 23
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 23
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Tyr Ser Tyr Asn Asn
1 5 10 15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Glu
20 25 30
Leu Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 24
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 24
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Arg Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Thr Lys
20 25 30
Ser Ser Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 25
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 25
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Lys Ala
20 25 30
His Ser Leu Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 26
<211> 65
<212> PRT
<213> Artificial Sequence

<220>

<223> anti-HER2 Fynomer

<400> 26
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Glu
20 25 30
Gln Asp Leu Arg Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 27
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 27
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Lys
1 5 10 15
Leu Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Thr
20 25 30
Asp Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 28
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 28
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Gln
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Pro
20 25 30
Lys Leu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 29
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 29
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Asn
1 5 10 15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Gln
20 25 30
His Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 30
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 30
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Leu
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Ser
            20   25   30
Ser Glu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 31
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 31
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Pro
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Ala
            20   25   30
Thr Asp Ala Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 32
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 32
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Glu
            20   25   30
Leu Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 33
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 33
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1   5   10   15
Ser Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Glu

20 25 30
Ala Asp Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 34
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 34
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Arg Asp
1 5 10 15
His Ser Pro His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Asn Leu Tyr Gln Val Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 35
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 35
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Glu Ala
1 5 10 15
Leu Gly Gly Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Ser Pro Gln Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
35 40 45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
50 55 60
Ile Gln
65

<210> 36
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 36
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Tyr Ser Val His Pro
1 5 10 15
Gly Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Asn
20 25 30
Tyr Gln Val Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 37
<211> 63

<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 37
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Tyr Ser Tyr Asn Ser
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ala Gln
            20   25   30
His Asp Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 38
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 38
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Met
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Arg
            20   25   30
Gly Pro Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 39
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 39
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Arg
            20   25   30
Pro Arg Asp Val Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 40
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 40
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu His Thr
            20   25   30
Thr Lys Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr

35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 41
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 41
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu His Trp
20 25 30
Asn Gly Gly Ser Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 42
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 42
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Asn
20 25 30
Thr Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 43
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 43
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Trp Ser Tyr Asn Ser
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Pro
20 25 30
Glu Glu Thr Ser Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 44
<211> 65
<212> PRT
<213> Artificial Sequence

<220>

<223> anti-HER2 Fynomer

<400> 44
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Pro
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Pro
            20   25   30
Arg Gln Arg Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 45
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 45
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Arg
            20   25   30
Pro Met Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 46
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 46
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Gln
1   5   10   15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Pro Thr
            20   25   30
Thr Asp Thr Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 47
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 47
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Met Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Glu
            20   25   30
Thr Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln

50 55 60

<210> 48
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 48
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Gln
20 25 30
Asn Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 49
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 49
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1 5 10 15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Ala
20 25 30
Pro Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 50
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 50
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ala
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Ala
20 25 30
Pro Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 51
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 51
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Asp

20 25 30
Ala Thr Leu Glu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 52
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 52
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Lys
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Glu
20 25 30
Thr Ser Pro Glu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 53
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 53
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Val Ser Tyr Asn Thr
1 5 10 15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser His
20 25 30
Thr Thr Ser Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 54
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 54
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Met
20 25 30
Ala Val Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 55
<211> 65

<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 55
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Asn
            20   25   30
Gly Pro Asp Pro Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 56
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 56
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Asn
            20   25   30
Pro Pro Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 57
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 57
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Asn Ser Tyr Asn Lys
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Gln
            20   25   30
Ala Ala Glu Asp Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 58
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 58
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Lys Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Gln

20 25 30
Ser Gly Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 59
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 59
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Tyr
20 25 30
Pro Arg Thr Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 60
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 60
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Glu
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Thr Lys
20 25 30
Thr Pro Arg Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 61
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 61
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Val Ser Tyr Asn Thr
1 5 10 15
Asn Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asp Ser
20 25 30
Gln Glu Pro Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 62
<211> 65

<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 62
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Gln
1   5   10   15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Gln
            20   25   30
Tyr Pro Lys Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 63
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 63
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Asn
1   5   10   15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Lys Gln
            20   25   30
Gln Ala Gly Asp Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 64
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 64
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Asn
1   5   10   15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Ala
            20   25   30
His Gln Ser Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 65
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 65
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr

1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Pro
20 25 30
Gln Ser Arg Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 66
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 66
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1 5 10 15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Pro Gly
20 25 30
Gln Ser Met Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 67
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 67
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ala
1 5 10 15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Pro Arg
20 25 30
Gln Asp Thr Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 68
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 68
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Ala
20 25 30
Leu Gly Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 69
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 69
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Glu
1 5 10 15
Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Gly
20 25 30
Thr Gln Leu Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 70
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 70
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Asp
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln His
20 25 30
Lys Glu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 71
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 71
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Tyr Ser Tyr Asn Asn
1 5 10 15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Lys
20 25 30
Arg Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 72
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 72
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Lys

20 25 30
Ser Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 73
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 73
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Pro
20 25 30
Asn Ser Ala Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 74
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 74
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Pro
20 25 30
Gln Val Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 75
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 75
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Tyr Ser Tyr Asn Lys
1 5 10 15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Gln
20 25 30
His Glu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 76
<211> 64
<212> PRT
<213> Artificial Sequence

<220>

<223> anti-HER2 Fynomer

<400> 76
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Leu
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Gln
            20   25   30
Asn Leu Asp Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
        35   40   45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 77
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 77
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Leu
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Ser
            20   25   30
His Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 78
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 78
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Ser
            20   25   30
Arg Ala Ser Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
        35   40   45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 79
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 79
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ala
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Thr
            20   25   30
Ser Leu Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
        35   40   45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln

50 55 60

<210> 80
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 80
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Thr
20 25 30
Thr Ala Met Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 81
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 81
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Arg
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Val
20 25 30
Asn Pro Met Asp Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 82
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 82
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Gln
20 25 30
Gln Arg Gly Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 83
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 83
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Val
            20   25   30
Pro Gln Asp Asp Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 84
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 84
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Pro
1   5   10   15
Asn Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Gln
            20   25   30
Gln Asp Gly Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
        35   40   45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 85
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 85
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Arg
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Ser
            20   25   30
Asn Arg Ala Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 86
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 86
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Asn
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Thr Pro

20 25 30
Asp Ser Arg Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 87
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 87
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Thr Pro
20 25 30
Pro Gln His Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 88
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 88
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Asn
1 5 10 15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Thr Gln
20 25 30
Asp Pro Leu His Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 89
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 89
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Asp
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Thr Gln
20 25 30
Lys Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 90
<211> 65

<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 90
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Ser Ser Tyr Asn Thr
1   5   10   15
Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Thr Gln
            20   25   30
Pro Pro Leu Ser Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 91
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 91
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asp Ser
            20   25   30
Glu Thr Gly Lys Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 92
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 92
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Gln
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Lys
            20   25   30
Pro Lys Tyr Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 93
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 93
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Gln

1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Glu
20 25 30
Pro Leu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 94
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 94
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Gln
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Val His
20 25 30
Asp Pro Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 95
<211> 62
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 95
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Val Ser Trp Asn Thr
1 5 10 15
Leu Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Met
20 25 30
Pro Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr Gly
35 40 45
Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 96
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 96
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Leu Tyr
1 5 10 15
Ser Leu Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn
20 25 30
Arg Arg Trp Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 97
<211> 64

<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 97
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ala Pro
            20   25   30
Pro Asn Gly Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
        35   40   45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 98
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 98
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ala Arg
            20   25   30
Met Pro Pro Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
        35   40   45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 99
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 99
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Phe Arg
1   5   10   15
Arg Asn Tyr Ser Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu Ser Ala Gln Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
        35   40   45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
    50   55   60
Ile Gln
65

<210> 100
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 100
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Asp Arg Arg Tyr Gly

1 5 10 15
Ala Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Asp
20 25 30
Glu Ala Val Ser Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 101
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 101
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu His Asp
20 25 30
Pro Pro Ser Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 102
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 102
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Tyr Ala
1 5 10 15
Pro Ala Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn
20 25 30
His Asp Arg Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 103
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 103
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Ser Tyr Pro
1 5 10 15
Gly Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Asn
20 25 30
Asp Pro Val His Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln

65

<210> 104
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 104
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Gln Thr Trp Thr Pro
1 5 10 15
Gly Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Thr Gln
20 25 30
Asp Glu Gln Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 105
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 105
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Phe Thr Asn Thr Pro
1 5 10 15
Gly Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Thr
20 25 30
Ser Tyr Leu Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 106
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 106
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Lys Thr His Asn Pro
1 5 10 15
Gly Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Gly
20 25 30
Arg Val Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 107
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 107
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Gln Thr Tyr Thr Pro
1 5 10 15
Gly Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Lys
20 25 30
Pro Pro Gln Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 108
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 108
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Tyr Gln
1 5 10 15
Asp Leu Glu Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu
20 25 30
Asn Gly Arg Arg Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 109
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 109
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Asp Arg His Tyr Thr
1 5 10 15
Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Asn
20 25 30
Lys Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 110
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 110
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Asp
20 25 30
Ser Asp Gly Val Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 111
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 111
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Asp Arg
1 5 10 15
Pro Thr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly
20 25 30
Asp Glu Gln Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 112
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 112
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Thr Tyr Arg Lys
1 5 10 15
Gly Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Arg
20 25 30
Val Ser Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 113
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 113
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Arg
20 25 30
Val Ser Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 114
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 114
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Asp
            20   25   30
Asn Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 115
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 115
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Ser
            20   25   30
Ser Asp Gly Thr Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 116
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 116
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Trp Ser
            20   25   30
Asp Ala Leu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
        35   40   45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 117
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 117
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Met Ala
            20   25   30
Trp Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 118
<211> 65

<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 118
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Glu Gly
1   5   10   15
Gly Asn Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn
            20   25   30
Arg Val Ser Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 119
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 119
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala His Asp Gln
1   5   10   15
His Arg Pro Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu
            20   25   30
Asn Arg Val Ser Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
        35   40   45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
    50   55   60
Ile Gln
65

<210> 120
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 120
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Leu Ser
1   5   10   15
Ser His Pro His Val Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu Asn Ser Ser Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
        35   40   45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
    50   55   60
Ile Gln
65

<210> 121
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 121
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser

1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Leu Met
20 25 30
His Pro Gly Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 122
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 122
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg His Ala
1 5 10 15
Pro Val Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly
20 25 30
Asp Asn Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 123
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 123
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Thr Lys
1 5 10 15
His Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser
20 25 30
Gln Pro His Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 124
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 124
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg His Glu
1 5 10 15
Asn Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn
20 25 30
Arg Gly Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 125
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 125
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Pro Asp
1   5   10   15
Ser His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn
            20   25   30
Arg Val Ser Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 126
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 126
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Arg Thr
1   5   10   15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Gln
            20   25   30
Pro His Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 127
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 127
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Pro Met
1   5   10   15
Ser Ser Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn
            20   25   30
Arg Val Ser Ile Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 128
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 128
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Phe
            20   25   30
Asn Pro Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Ser Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 129
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 129
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Phe Pro
            20   25   30
Asp Asp Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 130
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 130
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Gln
            20   25   30
Pro His Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 131
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 131
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Lys
            20   25   30
Gly Ser Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 132
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 132
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Asp
            20   25   30
Gln His Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 133
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 133
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Asp
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Ala
            20   25   30
Pro Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 134
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 134
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Asp
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Glu Tyr
            20   25   30
Thr Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 135
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 135
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Thr Thr
            20   25   30
Glu Ala Thr Asp Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln

65

<210> 136
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 136
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Asn
20 25 30
Ser Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 137
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 137
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Asn
20 25 30
Thr Gln Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 138
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 138
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ala
1 5 10 15
Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Ala
20 25 30
Arg Tyr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 139
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 139
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ala
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly His

20 25 30
His Ser Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 140
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 140
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Met
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Asn
20 25 30
Ser Asp Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 141
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 141
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Asp
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Lys
20 25 30
Asp Ser Ala Leu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 142
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 142
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ser
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Arg
20 25 30
Gly Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 143
<211> 63
<212> PRT
<213> Artificial Sequence

<220>

<223> anti-HER2 Fynomer

<400> 143
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
His Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Lys Met
20 25 30
Gln Ser Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 144
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 144
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Arg
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Glu Thr
20 25 30
Gln Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 145
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 145
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Ala
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gly Ser
20 25 30
Thr Ala Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 146
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 146
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Asp Ser
1 5 10 15
Met Gly Gly Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Arg Ser Trp Pro Glu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 147
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> ant-HER2 Fynomer

<400> 147
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Asp Ser
1 5 10 15
Met Gly Gly Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Lys Thr Trp Glu Gly Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 148
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 148
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Asp Ser
1 5 10 15
Met Gly Gly Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Gln Ala Trp Gln Glu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 149
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 149
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Met
20 25 30
Glu Asp Gly Val Trp Trp Ala Ala Arg Ser Leu Thr Thr Gly Glu Ile
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 150
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 150
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr

1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Met
20 25 30
Glu Asp Gly Val Trp Trp Arg Ala Arg Ser Leu Thr Thr Gly Glu Ile
35 40 45
Gly Leu Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 151
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 151
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Met
20 25 30
Glu Asp Gly Val Trp Trp Thr Ala Arg Ser Leu Thr Thr Gly Glu Val
35 40 45
Gly Phe Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 152
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 152
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Met
20 25 30
Glu Asp Gly Ile Trp Trp Gln Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Phe Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 153
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 153
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Gln Ala Tyr Gly Met
1 5 10 15
Tyr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Pro Pro
20 25 30
Tyr Pro Thr Gly Gly Tyr Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 154
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 154
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Gln Ala Tyr Gly Met
1   5   10   15
Tyr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Gln Val
            20   25   30
Leu Asp Asn Gly Tyr Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu
        35   40   45
Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 155
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 155
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Gln Ala Tyr Gly Met
1   5   10   15
Tyr Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Thr Ala
            20   25   30
Leu Pro Asp Arg Gly Tyr Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 156
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 156
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Asp
            20   25   30
Asp Asp Gly Val Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
        35   40   45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 157
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 157
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1   5   10   15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Phe
            20   25   30
Gln Ser Ala Gly Gly Val Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly

35 40 45
Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 158
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 158
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ala Arg
20 25 30
Asp Asn Gly Val Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 159
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<400> 159
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Asp Ser
1 5 10 15
Met Gly Gly Gln Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Trp Asn Thr Gly Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
35 40 45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
50 55 60
Ile Gln
65

<210> 160
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> GS-linker

<400> 160
Gly Gly Gly Gly Ser
1 5

<210> 161
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> GS-linker

<400> 161
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10

<210> 162
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> GS-linker

<400> 162
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 163
<211> 527
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA420 Heavy Chain

<400> 163
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
1 5 10 15
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Met
20 25 30
Glu Asp Gly Val Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln Gly
50 55 60
Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Val
65 70 75 80
Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg Ser Leu
85 90 95
Arg Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Arg Tyr Thr Met
100 105 110
His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr
115 120 125
Ile Asn Pro Ser Arg Gly Tyr Thr Asn Tyr Asn Gln Lys Val Lys Asp
130 135 140
Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Ala Phe Leu Gln
145 150 155 160
Met Asp Ser Leu Arg Pro Glu Asp Thr Gly Val Tyr Phe Cys Ala Arg
165 170 175
Tyr Tyr Asp Asp His Tyr Cys Leu Asp Tyr Trp Gly Gln Gly Thr Pro
180 185 190
Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu
195 200 205
Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys
210 215 220
Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser
225 230 235 240
Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser
245 250 255
Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser
260 265 270
Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn
275 280 285
Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His
290 295 300
Thr Cys Pro Pro Cys Pro Ala Pro Glu Ala Ala Gly Gly Pro Ser Val
305 310 315 320
Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr
325 330 335
Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu
340 345 350
Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys
355 360 365
Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser

370 375 380
Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys
385 390 395 400
Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile
405 410 415
Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro
420 425 430
Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu
435 440 445
Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn
450 455 460
Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser
465 470 475 480
Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg
485 490 495
Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu
500 505 510
His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
515 520 525

<210> 164
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA420 Light Chain

<400> 164
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 Ser Ala Ser Ser Ser Val Ser Tyr Met
20 25 30
Asn Trp Tyr Gln Gln Thr Pro Gly Lys Ala Pro Lys Arg Trp Ile Tyr
35 40 45
Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60
Gly Ser Gly Thr Asp Tyr Thr Phe Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80
Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Phe Thr
85 90 95
Phe Gly Gln Gly Thr Lys Leu Gln Ile Thr Arg Thr Val Ala Ala Pro
100 105 110
Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125
Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140
Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160
Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175
Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190
Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205
Asn Arg Gly Glu Cys
210

<210> 165
<211> 527
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA422 Heavy Chain

<400> 165
Gln Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg

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1               5                  10                  15
Ser Leu Arg Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Arg Tyr
            20                  25                  30
Thr Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
        35                  40                  45
Gly Tyr Ile Asn Pro Ser Arg Gly Tyr Thr Asn Tyr Asn Gln Lys Val
    50                  55                  60
Lys Asp Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Ala Phe
65                  70                  75                  80
Leu Gln Met Asp Ser Leu Arg Pro Glu Asp Thr Gly Val Tyr Phe Cys
                85                  90                  95
Ala Arg Tyr Tyr Asp Asp His Tyr Cys Leu Asp Tyr Trp Gly Gln Gly
            100                 105                 110
Thr Pro Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
        115                 120                 125
Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu
    130                 135                 140
Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
145                 150                 155                 160
Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
                165                 170                 175
Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
            180                 185                 190
Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro
        195                 200                 205
Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp Lys
    210                 215                 220
Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Ala Ala Gly Gly Pro
225                 230                 235                 240
Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser
                245                 250                 255
Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp
            260                 265                 270
Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn
        275                 280                 285
Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val
    290                 295                 300
Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu
305                 310                 315                 320
Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys
                325                 330                 335
Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr
            340                 345                 350
Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr
        355                 360                 365
Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
    370                 375                 380
Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu
385                 390                 395                 400
Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
                405                 410                 415
Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
            420                 425                 430
Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
        435                 440                 445
Lys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    450                 455                 460
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Thr Ser Tyr Asn Thr
465                 470                 475                 480
Arg Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Met
                485                 490                 495
Glu Asp Gly Val Trp Trp Glu Ala Arg Ser Leu Thr Thr Gly Glu Thr
            500                 505                 510
Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
        515                 520                 525
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<210> 166
<211> 213

<212> PRT
<213> Artificial Sequence

<220>
<223> COVA422 Light Chain

<400> 166
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 Ser Ala Ser Ser Ser Val Ser Tyr Met
            20   25   30
Asn Trp Tyr Gln Gln Thr Pro Gly Lys Ala Pro Lys Arg Trp Ile Tyr
        35   40   45
Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
    50   55   60
Gly Ser Gly Thr Asp Tyr Thr Phe Thr Ile Ser Ser Leu Gln Pro Glu
65   70   75   80
Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Phe Thr
                85   90   95
Phe Gly Gln Gly Thr Lys Leu Gln Ile Thr Arg Thr Val Ala Ala Pro
            100   105   110
Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
        115   120   125
Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
    130   135   140
Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145   150   155   160
Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
                165   170   175
Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
            180   185   190
Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
        195   200   205
Asn Arg Gly Glu Cys
    210

<210> 167
<211> 495
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA446: anti-HER2 x anti CD3 single chain Fv

<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 Asn Ile Lys Asp Thr
            20   25   30
Tyr Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
        35   40   45
Ala Arg Ile Tyr Pro Thr Asn Gly Tyr Thr Arg Tyr Ala Asp Ser Val
    50   55   60
Lys Gly Arg Phe Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr
65   70   75   80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                85   90   95
Ser Arg Trp Gly Gly Asp Gly Phe Tyr Ala Met Asp Tyr Trp Gly Gln
            100   105   110
Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
        115   120   125
Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser
    130   135   140
Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala
145   150   155   160
Ser Gln Asp Val Asn Thr Ala Val Ala Trp Tyr Gln Gln Lys Pro Gly
                165   170   175
Lys Ala Pro Lys Leu Leu Ile Tyr Ser Ala Ser Phe Leu Tyr Ser Gly

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            180                 185                 190
Val Pro Ser Arg Phe Ser Gly Ser Arg Ser Gly Thr Asp Phe Thr Leu
        195                 200                 205
Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln
    210                 215                 220
Gln His Tyr Thr Thr Pro Pro Thr Phe Gly Gln Gly Thr Lys Val Glu
225                 230                 235                 240
Ile Lys Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly
                245                 250                 255
Gly Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser
            260                 265                 270
Gly Phe Thr Phe Asn Lys Tyr Ala Met Trp Val Arg Gln Ala Pro Gly
        275                 280                 285
Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr
    290                 295                 300
Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr Ile Ser Arg
305                 310                 315                 320
Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr
                325                 330                 335
Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn Phe Gly Asn
            340                 345                 350
Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr
        355                 360                 365
Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
    370                 375                 380
Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val Ser Pro
385                 390                 395                 400
Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly Ala Val Thr
                405                 410                 415
Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly Gln Ala Pro
            420                 425                 430
Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala
        435                 440                 445
Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser
    450                 455                 460
Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr
465                 470                 475                 480
Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
                485                 490                 495

<210> 168
<211> 68
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-HER2 Fynomer

<220>
<221> VARIANT
<222> 12,13,14,15,16,17,18,34,35,36,41,44,53,55,59
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln,
      Ile, Trp, Arg, Met, Pro, Asn

<220>
<221> VARIANT
<222> 19,20,21,37,38,39
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln,
      Ile, Trp, Arg, Met, Pro, Asn

<400> 168
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Xaa Xaa Xaa Xaa Xaa
1               5                   10                  15
Xaa Xaa Xaa Xaa Xaa Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20                  25                  30
Leu Xaa Xaa Xaa Xaa Xaa Xaa Gly Xaa Trp Trp Xaa Ala Arg Ser Leu
        35                  40                  45
Thr Thr Gly Glu Xaa Gly Xaa Ile Pro Ser Xaa Tyr Val Ala Pro Val
```

50 55 60
Asp Ser Ile Gln
65

<210> 169
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer ER7L2D6

<400> 169
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1 5 10 15
Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Ser Phe Glu Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
35 40 45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
50 55 60
Ile Gln
65

<210> 170
<211> 532
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA493 HC

<400> 170
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1 5 10 15
Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Ser Phe Glu Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
35 40 45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
50 55 60
Ile Gln Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
65 70 75 80
Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Ala Arg Pro Gly
85 90 95
Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Arg
100 105 110
Ser Thr Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp
115 120 125
Ile Gly Tyr Ile Asn Pro Ser Ser Ala Tyr Thr Asn Tyr Asn Gln Lys
130 135 140
Phe Lys Asp Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala
145 150 155 160
Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr
165 170 175
Cys Ala Ser Pro Gln Val His Tyr Asp Tyr Asn Gly Phe Pro Tyr Trp
180 185 190
Gly Gln Gly Thr Leu Val Thr Val Ser Ala Ala Ser Thr Lys Gly Pro
195 200 205
Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr
210 215 220
Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr
225 230 235 240
Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro
245 250 255
Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr
260 265 270
Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn

275 280 285
His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser
290 295 300
Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
305 310 315 320
Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
325 330 335
Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Ala Val Ser
340 345 350
His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
355 360 365
Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
370 375 380
Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
385 390 395 400
Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Ala Ala Pro
405 410 415
Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
420 425 430
Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val
435 440 445
Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
450 455 460
Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
465 470 475 480
Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
485 490 495
Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
500 505 510
Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
515 520 525
Ser Pro Gly Lys
530

<210> 171
<211> 451
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA489 HC, anti-CD3 antibody

<400> 171
Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Ala Arg Pro Gly Ala
1 5 10 15
Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Arg Ser
20 25 30
Thr Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
35 40 45
Gly Tyr Ile Asn Pro Ser Ser Ala Tyr Thr Asn Tyr Asn Gln Lys Phe
50 55 60
Lys Asp Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
65 70 75 80
Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
85 90 95
Ala Ser Pro Gln Val His Tyr Asp Tyr Asn Gly Phe Pro Tyr Trp Gly
100 105 110
Gln Gly Thr Leu Val Thr Val Ser Ala Ala Ser Thr Lys Gly Pro Ser
115 120 125
Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala
130 135 140
Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val
145 150 155 160
Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
165 170 175
Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
180 185 190
Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His

```
        195                 200                 205
Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys
    210                 215                 220
Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
225                 230                 235                 240
Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met
                245                 250                 255
Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Ala Val Ser His
            260                 265                 270
Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val
        275                 280                 285
His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr
    290                 295                 300
Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly
305                 310                 315                 320
Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Ala Ala Pro Ile
                325                 330                 335
Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val
            340                 345                 350
Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser
        355                 360                 365
Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu
    370                 375                 380
Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro
385                 390                 395                 400
Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val
                405                 410                 415
Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met
            420                 425                 430
His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser
        435                 440                 445
Pro Gly Lys
    450

<210> 172
<211> 213
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA489 LC, anti-CD3 antibody

<400> 172
Gln Val Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Phe Pro Gly
1                   5                   10                  15
Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
            20                  25                  30
Asn Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
        35                  40                  45
Asp Ser Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
    50                  55                  60
Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Thr Glu
65                  70                  75                  80
Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Arg Asn Pro Pro Thr
                85                  90                  95
Phe Gly Gly Gly Thr Lys Leu Gln Ile Thr Arg Thr Val Ala Ala Pro
            100                 105                 110
Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
        115                 120                 125
Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
    130                 135                 140
Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145                 150                 155                 160
Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
                165                 170                 175
Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
            180                 185                 190
Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
```

195 200 205
Asn Arg Gly Glu Cys
210

<210> 173
<211> 501
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA445, anti-EGFR/CD3 scFv control

<400> 173
Asp Ile Leu Leu Thr Gln Ser Pro Val Ile Leu Ser Val Ser Pro Gly
1 5 10 15
Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Ser Ile Gly Thr Asn
20 25 30
Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
35 40 45
Lys Tyr Ala Ser Glu Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly
50 55 60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Ser Val Glu Ser
65 70 75 80
Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Asn Asn Asn Trp Pro Thr
85 90 95
Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys Gly Gly Gly Gly Ser
100 105 110
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Val Gln Leu Lys Gln
115 120 125
Ser Gly Pro Gly Leu Val Gln Pro Ser Gln Ser Leu Ser Ile Thr Cys
130 135 140
Thr Val Ser Gly Phe Ser Leu Thr Asn Tyr Gly Val His Trp Val Arg
145 150 155 160
Gln Ser Pro Gly Lys Gly Leu Glu Trp Leu Gly Val Ile Trp Ser Gly
165 170 175
Gly Asn Thr Asp Tyr Asn Thr Pro Phe Thr Ser Arg Leu Ser Ile Asn
180 185 190
Lys Asp Asn Ser Lys Ser Gln Val Phe Phe Lys Met Asn Ser Leu Gln
195 200 205
Ser Asn Asp Thr Ala Ile Tyr Tyr Cys Ala Arg Ala Leu Thr Tyr Tyr
210 215 220
Asp Tyr Glu Phe Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser
225 230 235 240
Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly
245 250 255
Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly
260 265 270
Phe Thr Phe Asn Lys Tyr Ala Met Asn Trp Val Arg Gln Ala Pro Gly
275 280 285
Lys Gly Leu Glu Trp Val Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr
290 295 300
Ala Thr Tyr Tyr Ala Asp Ser Val Lys Asp Arg Phe Thr Ile Ser Arg
305 310 315 320
Asp Asp Ser Lys Asn Thr Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr
325 330 335
Glu Asp Thr Ala Val Tyr Tyr Cys Val Arg His Gly Asn Phe Gly Asn
340 345 350
Ser Tyr Ile Ser Tyr Trp Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr
355 360 365
Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
370 375 380
Gly Ser Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val Ser Pro
385 390 395 400
Gly Gly Thr Val Thr Leu Thr Cys Gly Ser Ser Thr Gly Ala Val Thr
405 410 415
Ser Gly Asn Tyr Pro Asn Trp Val Gln Gln Lys Pro Gly Gln Ala Pro
420 425 430
Arg Gly Leu Ile Gly Gly Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala

435 440 445
Arg Phe Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser
450 455 460
Gly Val Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr
465 470 475 480
Ser Asn Arg Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu His
485 490 495
His His His His His
500

<210> 174
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer EE1L1B3

<400> 174
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1 5 10 15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asn Ser
20 25 30
Ser Glu Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 175
<211> 291
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA467 LC

<400> 175
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 Ser Ala Ser Ser Ser Val Ser Tyr Met
20 25 30
Asn Trp Tyr Gln Gln Thr Pro Gly Lys Ala Pro Lys Arg Trp Ile Tyr
35 40 45
Asp Thr Ser Lys Leu Ala Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60
Gly Ser Gly Thr Asp Tyr Thr Phe Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80
Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Phe Thr
85 90 95
Phe Gly Gln Gly Thr Lys Leu Gln Ile Thr Arg Thr Val Ala Ala Pro
100 105 110
Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
115 120 125
Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
130 135 140
Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145 150 155 160
Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
165 170 175
Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
180 185 190
Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
195 200 205
Asn Arg Gly Glu Cys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
210 215 220
Gly Gly Gly Ser Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu
225 230 235 240
Ala Leu Gly Ala His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln

245 250 255
Ile Leu Asn Ser Ser Glu Gly Pro Phe Trp Glu Ala His Ser Leu Thr
260 265 270
Thr Gly Glu Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
275 280 285
Ser Ile Gln
290

<210> 176
<211> 511
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA463, anti-CD3/CD33 scFv control

<400> 176
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
Gly Met Asn Trp Val Lys Gln Ala Pro Gly Gln Gly Leu Lys Trp Met
35 40 45
Gly Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala Asp Asp Phe
50 55 60
Lys Gly Arg Val Thr Met Thr Ser Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80
Leu Glu Leu His Asn Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg Trp Ser Trp Ser Asp Gly Tyr Tyr Val Tyr Phe 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 Asp Ile Val Met Thr Gln Ser
130 135 140
Pro Asp Ser Leu Thr Val Ser Leu Gly Glu Arg Thr Thr Ile Asn Cys
145 150 155 160
Lys Ser Ser Gln Ser Val Leu Asp Ser Ser Lys Asn Lys Asn Ser Leu
165 170 175
Ala Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Leu Ser
180 185 190
Trp Ala Ser Thr Arg Glu Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
195 200 205
Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Asp Ser Leu Gln Pro Glu
210 215 220
Asp Ser Ala Thr Tyr Tyr Cys Gln Gln Ser Ala His Phe Pro Ile Thr
225 230 235 240
Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Ser Gly Gly Gly Gly Ser
245 250 255
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
260 265 270
Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Lys Tyr
275 280 285
Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
290 295 300
Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Asp
305 310 315 320
Ser Val Lys Asp Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
325 330 335
Ala Tyr Leu Gln Met Asn Asn Leu Lys Thr Glu Asp Thr Ala Val Tyr
340 345 350
Tyr Cys Val Arg His Gly Asn Phe Gly Asn Ser Tyr Ile Ser Tyr Trp
355 360 365
Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
370 375 380
Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Thr Val Val
385 390 395 400
Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu

405 410 415
Thr Cys Gly Ser Ser Thr Gly Ala Val Thr Ser Gly Asn Tyr Pro Asn
420 425 430
Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly Leu Ile Gly Gly
435 440 445
Thr Lys Phe Leu Ala Pro Gly Thr Pro Ala Arg Phe Ser Gly Ser Leu
450 455 460
Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val Gln Pro Glu Asp
465 470 475 480
Glu Ala Glu Tyr Tyr Cys Val Leu Trp Tyr Ser Asn Arg Trp Val Phe
485 490 495
Gly Gly Gly Thr Lys Leu Thr Val Leu His His His His His His
500 505 510

<210> 177
<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer EE3L11B4

<400> 177
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1 5 10 15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Arg Gly
20 25 30
Ser Lys Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly Glu Thr
35 40 45
Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 178
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer EE4L12D5

<400> 178
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1 5 10 15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Ser
20 25 30
Leu Ala Val Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 179
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer EE4L12D3

<400> 179
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1 5 10 15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Met Met
20 25 30
Ser Asp Glu Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln

50 55 60

<210> 180
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer EE4L12G1

<400> 180
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1 5 10 15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Pro
20 25 30
Arg Ser Glu Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 181
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer EE6L12C6

<400> 181
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1 5 10 15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Ser Ser
20 25 30
Leu Leu Gln Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly Glu
35 40 45
Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
50 55 60

<210> 182
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer EE23L59C1

<400> 182
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1 5 10 15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asp Val
20 25 30
Thr Leu Ala Gly Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 183
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer EE23L59A6A

<400> 183
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1   5   10   15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Tyr Val
            20   25   30
Ala Leu Glu Gly Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 184
<211> 64
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer EE23L62E1

<400> 184
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1   5   10   15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Leu Arg
            20   25   30
Val Gln Leu Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly Glu
        35   40   45
Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile Gln
    50   55   60

<210> 185
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer EE23L62D6

<400> 185
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1   5   10   15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Asp Val
            20   25   30
Gly Leu Arg Gly Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 186
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer EE23L62H7

<400> 186
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1   5   10   15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Leu Arg

20 25 30
Leu Val Leu Leu Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly
35 40 45
Glu Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
50 55 60
Gln
65

<210> 187
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer ER9L3D7

<400> 187
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1 5 10 15
Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Ser Thr Glu Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
35 40 45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
50 55 60
Ile Gln
65

<210> 188
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer ER5L1E2

<400> 188
Gly Val Thr Leu Phe Val Ala Val Tyr Asp Tyr Glu Ala Arg Gly Leu
1 5 10 15
Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Asn Arg Glu Ser Glu Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
35 40 45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
50 55 60
Ile Gln
65

<210> 189
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer ER5L1E5

<400> 189
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1 5 10 15
Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Gln Phe Glu Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
35 40 45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
50 55 60
Ile Gln
65

<210> 190
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer ER5L1H3

<400> 190
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1   5   10   15
Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu Ala Phe Glu Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
        35   40   45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
    50   55   60
Ile Gln
65

<210> 191
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer ER6L1A9

<400> 191
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1   5   10   15
Asn Arg Leu Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu Asp Arg Thr Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
        35   40   45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
    50   55   60
Ile Gln
65

<210> 192
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer ER6L1C10

<400> 192
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1   5   10   15
His Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu Asn Arg Glu Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
        35   40   45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
    50   55   60
Ile Gln
65

<210> 193
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer ER6L1F9

<400> 193
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1   5   10   15
Asn Arg Leu Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu Asp Arg Thr Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
        35   40   45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
    50   55   60
Ile Gln
65

<210> 194
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer ER7L2E8

<400> 194
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1   5   10   15
Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu Thr Arg Glu Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
        35   40   45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
    50   55   60
Ile Gln
65

<210> 195
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer ER8L3G1

<400> 195
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1   5   10   15
Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu Asp Thr Ser Glu Ser Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
        35   40   45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
    50   55   60
Ser Ile Gln
65

<210> 196
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer 3D5

<400> 196
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1   5   10   15
Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
            20   25   30
Leu Leu Pro Gln Glu Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
        35   40   45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser

50 55 60
Ile Gln
65

<210> 197
<211> 66
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer 1C6

<400> 197
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1 5 10 15
His Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Asp Arg Thr Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
35 40 45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
50 55 60
Ile Gln
65

<210> 198
<211> 294
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA494 LC

<400> 198
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1 5 10 15
Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Ser Phe Glu Thr Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
35 40 45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
50 55 60
Ile Gln Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
65 70 75 80
Ser Gln Val Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Phe Pro
85 90 95
Gly Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr
100 105 110
Met Asn Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile
115 120 125
Tyr Asp Ser Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly
130 135 140
Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Thr
145 150 155 160
Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Arg Asn Pro Pro
165 170 175
Thr Phe Gly Gly Gly Thr Lys Leu Gln Ile Thr Arg Thr Val Ala Ala
180 185 190
Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
195 200 205
Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
210 215 220
Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
225 230 235 240
Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
245 250 255
Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
260 265 270
Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser

275 280 285
Phe Asn Arg Gly Glu Cys
290

<210> 199
<211> 532
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA497 HC

<400> 199
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Arg Gly Leu
1 5 10 15
Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Ser Thr Glu Asn Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr Thr
35 40 45
Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser
50 55 60
Ile Gln Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
65 70 75 80
Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Ala Arg Pro Gly
85 90 95
Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Arg
100 105 110
Ser Thr Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp
115 120 125
Ile Gly Tyr Ile Asn Pro Ser Ser Ala Tyr Thr Asn Tyr Asn Gln Lys
130 135 140
Phe Lys Asp Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala
145 150 155 160
Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr
165 170 175
Cys Ala Ser Pro Gln Val His Tyr Asp Tyr Asn Gly Phe Pro Tyr Trp
180 185 190
Gly Gln Gly Thr Leu Val Thr Val Ser Ala Ala Ser Thr Lys Gly Pro
195 200 205
Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr
210 215 220
Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr
225 230 235 240
Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro
245 250 255
Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr
260 265 270
Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn
275 280 285
His Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser
290 295 300
Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
305 310 315 320
Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
325 330 335
Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Ala Val Ser
340 345 350
His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
355 360 365
Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
370 375 380
Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
385 390 395 400
Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Ala Ala Pro
405 410 415
Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
420 425 430
Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val

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        435                 440                 445
Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
    450                 455                 460
Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
465                 470                 475                 480
Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
                485                 490                 495
Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
            500                 505                 510
Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
        515                 520                 525
Ser Pro Gly Lys
    530

<210> 200
<211> 294
<212> PRT
<213> Artificial Sequence

<220>
<223> COVA499 LC

<400> 200
Gln Val Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Phe Pro Gly
1               5                   10                  15
Glu Lys Val Thr Met Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
            20                  25                  30
Asn Trp Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr
        35                  40                  45
Asp Ser Ser Lys Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
    50                  55                  60
Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Thr Glu
65                  70                  75                  80
Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Arg Asn Pro Pro Thr
                85                  90                  95
Phe Gly Gly Gly Thr Lys Leu Gln Ile Thr Arg Thr Val Ala Ala Pro
            100                 105                 110
Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
        115                 120                 125
Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
    130                 135                 140
Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
145                 150                 155                 160
Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
                165                 170                 175
Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
            180                 185                 190
Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser Phe
        195                 200                 205
Asn Arg Gly Glu Cys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
    210                 215                 220
Gly Gly Gly Ser Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu
225                 230                 235                 240
Ala Arg Gly Leu Asn Arg Met Phe Asp Leu Ser Phe His Lys Gly Glu
                245                 250                 255
Lys Phe Gln Ile Leu Ser Thr Glu Asn Gly Asp Trp Trp Glu Ala Arg
            260                 265                 270
Ser Leu Thr Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala
        275                 280                 285
Pro Val Asp Ser Ile Gln
    290

<210> 201
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
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<223> anti-EGFR Fynomer

<220>
<221> VARIANT
<222> 8,17,19,34,35,36,37
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln, Ile, Trp, Arg, Met, Pro, Asn, Cys

<220>
<221> VARIANT
<222> 38
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln, Ile, Trp, Arg, Met, Pro, Asn, Cys or is absent

<400> 201
Gly Val Thr Leu Phe Val Ala Xaa Tyr Asp Tyr Glu Ala Arg Gly Leu
1 5 10 15
Xaa Arg Xaa Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Xaa Xaa Xaa Xaa Xaa Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 202
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer

<220>
<221> VARIANT
<222> 8,17,19,34,35,36,37
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln, Ile, Trp, Arg, Met, Pro, Asn

<220>
<221> VARIANT
<222> 38
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln, Ile, Trp, Arg, Met, Pro, Asn or is absent

<400> 202
Gly Val Thr Leu Phe Val Ala Xaa Tyr Asp Tyr Glu Ala Arg Gly Leu
1 5 10 15
Xaa Arg Xaa Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Xaa Xaa Xaa Xaa Xaa Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 203
<211> 67
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer

<220>
<221> VARIANT

<222> 8
<223> Leu, Val

<220>
<221> VARIANT
<222> 17
<223> Asn, His

<220>
<221> VARIANT
<222> 19
<223> Met, Leu

<220>
<221> VARIANT
<222> 34
<223> Ser, Asn, Gln, Ala, Asp, Thr, Leu

<220>
<221> VARIANT
<222> 35
<223> Phe, Thr, Arg, Pro

<220>
<221> VARIANT
<222> 36
<223> Ser, Glu, Thr, Gln

<220>
<221> VARIANT
<222> 37
<223> Glu, Thr, Ser, Asn

<220>
<221> VARIANT
<222> 38
<223> Ser or is absent

<400> 203
Gly Val Thr Leu Phe Val Ala Xaa Tyr Asp Tyr Glu Ala Arg Gly Leu
1 5 10 15
Xaa Arg Xaa Phe Asp Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile
20 25 30
Leu Xaa Xaa Xaa Xaa Xaa Gly Asp Trp Trp Glu Ala Arg Ser Leu Thr
35 40 45
Thr Gly Glu Thr Gly Tyr Ile Pro Ser Asn Tyr Val Ala Pro Val Asp
50 55 60
Ser Ile Gln
65

<210> 204
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-EGFR Fynomer RT-loop

<220>
<221> VARIANT
<222> 6
<223> Asn, His

<220>
<221> VARIANT
<222> 8
<223> Met, Leu

<400> 204
Glu Ala Arg Gly Leu Xaa Arg Xaa Phe
1   5

<210> 205
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer

<220>
<221> VARIANT
<222> 31,32,33,34
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln,
      Ile, Trp, Arg, Met, Pro, Asn, Cys

<220>
<221> VARIANT
<222> 35,36
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln,
      Ile, Trp, Arg, Met, Pro, Asn, Cys or is absent

<400> 205
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1   5   10   15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Xaa Xaa
            20   25   30
Xaa Xaa Xaa Xaa Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 206
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer

<220>
<221> VARIANT
<222> 31,32,33,34
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln,
      Ile, Trp, Arg, Met, Pro, Asn

<220>
<221> VARIANT
<222> 35,36
<223> Gly, Val, Thr, Leu, Phe, Ala, Tyr, Asp, Ser, His, Lys, Glu, Gln,
      Ile, Trp, Arg, Met, Pro, Asn or is absent

<400> 206
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1   5   10   15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Xaa Xaa
            20   25   30
Xaa Xaa Xaa Xaa Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 207
<211> 65
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer

<220>
<221> VARIANT
<222> 31
<223> Asn, Arg, Ser, Leu, Met, Asp, Tyr

<220>
<221> VARIANT
<222> 32
<223> Ser, Gly, Pro, Arg, Met, Val

<220>
<221> VARIANT
<222> 33
<223> Leu, Thr, Gly, Ser, Val, Arg, Ala

<220>
<221> VARIANT
<222> 34
<223> Ser, Ala, Leu, Gln, Asp, Val, Lys, Glu

<220>
<221> VARIANT
<222> 35
<223> Glu, Val, Gln, Leu, Ala, Arg or is absent

<220>
<221> VARIANT
<222> 36
<223> Leu, Gly or is absent

<400> 207
Gly Val Thr Leu Phe Val Ala Leu Tyr Asp Tyr Glu Ala Leu Gly Ala
1   5   10   15
His Glu Leu Ser Phe His Lys Gly Glu Lys Phe Gln Ile Leu Xaa Xaa
            20   25   30
Xaa Xaa Xaa Xaa Gly Pro Phe Trp Glu Ala His Ser Leu Thr Thr Gly
        35   40   45
Glu Thr Gly Trp Ile Pro Ser Asn Tyr Val Ala Pro Val Asp Ser Ile
    50   55   60
Gln
65

<210> 208
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> anti-CD33 Fynomer RT-loop

<400> 208
Glu Ala Leu Gly Ala His Glu
1   5

<210> 209
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> anti-EGFR Fynomer RT-loop

<220>
<221> VARIANT
<222> 6
<223> Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro,
Gln, Arg, Ser, Thr, Val, Trp, Tyr

<220>
<221> VARIANT
<222> 8
<223> Ala, Cys, Asp, Glu, Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro,
Gln, Arg, Ser, Thr, Val, Trp, Tyr

<400> 209
Glu Ala Arg Gly Leu Xaa Arg Xaa Phe
1 5