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<110> VHsquared Limited

<120> Polypeptides

<130> VHS-P1862PC

<160> 35

<170> BiSSAP 1.3

<210> 1
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TNF-alpha ICVD Q65B1

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

<210> 2
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TNF-alpha ICVD ID8F-EV (ID32F)

<400> 2
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Ser Ser His
20 25 30
Trp Met Tyr Trp Val Arg Gln Ala Pro Gly Lys Glu Leu Glu Trp Leu
35 40 45
Ser Glu Ile Asn Thr Asn Gly Leu Ile Thr His Tyr Gly Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Val Ser Arg Asn Asn Ala Ala Asn Lys Met Tyr
65 70 75 80
Leu Glu Leu Thr Arg Leu Glu Pro Glu Asp Thr Ala Leu Tyr Tyr Cys
85 90 95
Ala Arg Asn Gln Lys Gly Leu Asn Lys Gly Gln Gly Thr Gln Val Thr
100 105 110
Val Ser Ser
115

<210> 3
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TNF-alpha ICVD ID43F

<400> 3
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Ser Ser His
20 25 30
Trp Met Tyr Trp Val Arg Gln Ala Pro Gly Lys Glu Leu Glu Trp Leu
35 40 45
Ser Glu Ile Asn Thr Asn Gly Leu Ile Thr Ala Tyr Gly Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Val Ser Arg Asn Asn Ala Ala Asn Lys Met Tyr
65 70 75 80
Leu Glu Leu Thr Arg Leu Glu Pro Glu Asp Thr Ala Leu Tyr Tyr Cys
85 90 95
Ala Arg Asn Gln Lys Gly Leu Asn Lys Gly Gln Gly Thr Gln Val Thr
100 105 110
Val Ser Ser
115

<210> 4
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TNF-alpha ICVD ID44F

<400> 4
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Ser Ser His
20 25 30
Trp Met Tyr Trp Val Arg Gln Ala Pro Gly Lys Glu Leu Glu Trp Leu
35 40 45
Ser Glu Ile Asn Thr Asn Gly Leu Ile Thr Gln Tyr Gly Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Val Ser Arg Asn Asn Ala Ala Asn Lys Met Tyr
65 70 75 80
Leu Glu Leu Thr Arg Leu Glu Pro Glu Asp Thr Ala Leu Tyr Tyr Cys
85 90 95
Ala Arg Asn Gln Lys Gly Leu Asn Lys Gly Gln Gly Thr Gln Val Thr
100 105 110
Val Ser Ser
115

<210> 5
<211> 115
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TNF-alpha ICVD ID34F

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

85 90 95
Ala Arg Asn Gln His Gly Leu Asn Lys Gly Gln Gly Thr Gln Val Thr
100 105 110
Val Ser Ser
115

<210> 6
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD B10F1

<400> 6
Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30
Tyr Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
35 40 45
Ala Ala Ile Asn Gly Ser Gly Gly Asn Arg Ile Ser Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80
Leu Gln Leu Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ala Ser Leu Thr Tyr Tyr Gly Arg Ser Ala Arg Tyr Asp Tyr Trp
100 105 110
Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 7
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD Q31B1

<400> 7
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Leu Ser Ser Tyr
20 25 30
Thr Met Gly Trp Phe Arg Gln Ala Pro Glu Lys Glu Arg Glu Phe Val
35 40 45
Ala Gly Ser Ser Arg Asp Gly Arg Thr Asn Tyr Tyr Ala Asn Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ala His Thr Thr Ser Gly Val Pro Val Arg Glu Arg Ser Tyr Ala
100 105 110
Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 8
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID1B

<400> 8
Asp Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly

```
1               5                   10                  15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Phe Ser Ser Tyr
            20                  25                  30
Tyr Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
        35                  40                  45
Ala Ala Ile Asn Gly Ser Gly Gly Asn Arg Ile Ser Ala Asp Ser Val
    50                  55                  60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80
Leu Gln Leu Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
Ala Ala Ser Leu Thr Tyr Tyr Gly Arg Ser Ala Arg Tyr Asp Tyr Trp
            100                 105                 110
Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120
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<210> 9
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID2B

<400> 9

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

<210> 10
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID20B

<400> 10

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

<210> 11
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID21B

<400> 11
Asp Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Leu Ser Ser Tyr
20 25 30
Thr Ile Gly Trp Phe Arg Gln Ala Pro Glu Lys Glu Arg Glu Phe Val
35 40 45
Ala Gly Ser Ser Arg Asp Gly Arg Thr Asn Tyr Tyr Ala Asn Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ala His Thr Thr Ser Gly Val Pro Val His Glu Arg Ser Tyr Ala
100 105 110
Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 12
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID22B

<400> 12
Asp Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Leu Ser Ser Tyr
20 25 30
Thr Ile Gly Trp Phe Arg Gln Ala Pro Glu Lys Glu Arg Glu Phe Val
35 40 45
Ala Gly Ser Ser Arg Asp Gly Arg Thr Asn Tyr Tyr Ala Asn Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ala His Thr Thr Ser Gly Val Pro Val Arg Glu His Ser Tyr Ala
100 105 110
Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 13
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID24B

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

50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80
Leu Gln Leu Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ala Ser Leu Thr Tyr Tyr Gly Arg Ser Ala Arg Tyr Asp Tyr Trp
100 105 110
Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 14
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID25B

<400> 14
Asp Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Phe Ser Ser Tyr
20 25 30
Tyr Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
35 40 45
Ala Ala Ile Asn Gly Ser Gly Gly Asn Arg Ile Ser Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80
Leu Gln Leu Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ala Ser Leu Thr Tyr Tyr Gly Arg Ser Ala His Tyr Asp Tyr Trp
100 105 110
Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 15
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID27B

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

<210> 16
<211> 266
<212> PRT
<213> Artificial Sequence

<220>

<223> Polypeptide sequence of anti-TcdB construct ID41B

<400> 16
Asp Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1   5   10   15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Leu Ser Ser Tyr
            20   25   30
Thr Met Gly Trp Phe Arg Gln Ala Pro Glu Lys Glu Arg Glu Phe Val
        35   40   45
Ala Gly Ser Ser Arg Asp Gly Arg Thr Asn Tyr Tyr Ala Asn Ser Val
    50   55   60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65   70   75   80
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85   90   95
Ala Ala His Thr Thr Ser Gly Val Pro Val His Glu Arg Ser Tyr Ala
            100   105   110
Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Gly Gly
        115   120   125
Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    130   135   140
Asp Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
145   150   155   160
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Phe Ser Ser Tyr
                165   170   175
Tyr Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
            180   185   190
Ala Ala Ile Asn Gly Ser Gly Gly Asn Arg Ile Ser Ala Asp Ser Val
        195   200   205
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
    210   215   220
Leu Gln Leu Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
225   230   235   240
Ala Ala Ser Leu Thr Tyr Tyr Gly His Ser Ala Arg Tyr Asp Tyr Trp
                245   250   255
Gly Gln Gly Thr Gln Val Thr Val Ser Ser
            260   265

<210> 17
<211> 266
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB construct ID43B

<400> 17
Asp Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1   5   10   15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Leu Ser Ser Tyr
            20   25   30
Thr Met Gly Trp Phe Arg Gln Ala Pro Glu Lys Glu Arg Glu Phe Val
        35   40   45
Ala Gly Ser Ser Arg Asp Gly Arg Thr Asn Tyr Tyr Ala Asn Ser Val
    50   55   60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65   70   75   80
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85   90   95
Ala Ala His Thr Thr Ser Gly Val Pro Val His Glu Arg Ser Tyr Ala
            100   105   110
Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Gly Gly
        115   120   125
Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
    130   135   140
Asp Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
145   150   155   160
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Phe Ser Ser Tyr

```
                165                 170                 175
Tyr Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
            180                 185                 190
Ala Ala Ile Asn Gly Ser Gly Gly Asn Arg Ile Ser Ala Asp Ser Val
        195                 200                 205
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
    210                 215                 220
Leu Gln Leu Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
225                 230                 235                 240
Ala Ala Ser Leu Thr Tyr Tyr Gly His Ser Ala His Tyr Asp Tyr Trp
                245                 250                 255
Gly Gln Gly Thr Gln Val Thr Val Ser Ser
            260                 265

<210> 18
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID45B

<400> 18
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1               5                   10                  15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Leu Ser Ser Tyr
            20                  25                  30
Thr Met Gly Trp Phe Arg Gln Ala Pro Glu Lys Glu Arg Glu Phe Val
        35                  40                  45
Ala Gly Ser Ser Arg Asp Gly Arg Thr Asn Tyr Tyr Ala Asn Ser Val
    50                  55                  60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
Ala Ala His Thr Thr Ser Gly Val Pro Val Arg Glu Arg Ser Tyr Ala
            100                 105                 110
Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120

<210> 19
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID46B

<400> 19
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1               5                   10                  15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Leu Ser Ser Tyr
            20                  25                  30
Thr Met Gly Trp Phe Arg Gln Ala Pro Glu Lys Glu Arg Glu Phe Val
        35                  40                  45
Ala Gly Ser Ser Arg Asp Gly Arg Thr Asn Tyr Tyr Ala Asn Ser Val
    50                  55                  60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65                  70                  75                  80
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95
Ala Ala His Thr Thr Ser Gly Val Pro Val His Glu Arg Ser Tyr Ala
            100                 105                 110
Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
        115                 120

<210> 20
<211> 124
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<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID47B

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

<210> 21
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID48B

<400> 21
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Leu Ser Ser Tyr
20 25 30
Thr Met Gly Trp Phe Arg Gln Ala Pro Glu Lys Glu Arg Glu Phe Val
35 40 45
Ala Gly Ser Ser Arg Asp Gly Arg Thr Asn Tyr Tyr Ala Asn Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ala His Thr Thr Ser Gly Val Pro Val Gln Glu Arg Ser Tyr Ala
100 105 110
Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 22
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID49B

<400> 22
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Leu Ser Ser Tyr
20 25 30
Thr Met Gly Trp Phe Arg Gln Ala Pro Glu Lys Glu Arg Glu Phe Val
35 40 45
Ala Gly Ser Ser Arg Asp Gly Arg Thr Asn Tyr Tyr Ala Asn Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr

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

<210> 23
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdB ICVD ID50B

<400> 23
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Leu Ser Ser Tyr
20 25 30
Thr Met Gly Trp Phe Arg Gln Ala Pro Glu Lys Glu Arg Glu Phe Val
35 40 45
Ala Gly Ser Ser Arg Asp Gly Arg Thr Asn Tyr Tyr Ala Asn Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ala His Thr Thr Ser Gly Val Pro Val Trp Glu Arg Ser Tyr Ala
100 105 110
Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 24
<211> 257
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdA construct ID17A

<400> 24
Asp Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ala Thr Ser Asp Val Tyr
20 25 30
Ala Met Gly Trp Phe Arg Gln Val Pro Gly Lys Glu Arg Glu Phe Val
35 40 45
Ala Thr Ile Asn Arg Ser Gly Ser Asp Ser Tyr Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Lys Pro Glu Glu Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ala Ser Arg Ser Asp Cys Ile Gly Tyr Gly Cys Arg Arg Val Ser
100 105 110
Gln Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly
115 120 125
Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
130 135 140
Gly Ser Asp Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala
145 150 155 160
Gly Gly Ser Leu Arg Leu Ser Cys Val Ile Ser Gly Met Asp Phe Ser
165 170 175
His Lys Pro Ala Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu
180 185 190
Phe Val Ala Ser Ile Thr Thr Arg Ala Ser Thr His Tyr Ala Asp Ser

195 200 205
Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val
210 215 220
Tyr Leu Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
225 230 235 240
Cys Asn Ser Glu Tyr Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser
245 250 255
Ser

<210> 25
<211> 257
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-TcdA construct ID29A

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

<210> 26
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Example CDR A

<400> 26
Ala Arg Asn Glu Cys Asp Gln Gly His Ile Leu Lys Met Phe Pro
1 5 10 15

<210> 27
<211> 5

<212> PRT
<213> Artificial Sequence

<220>
<223> First third of Example CDR A

<400> 27
Ala Arg Asn Glu Cys
1 5

<210> 28
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Second third of Example CDR A

<400> 28
Asp Gln Gly His Ile
1 5

<210> 29
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Third third of Example CDR A

<400> 29
Leu Lys Met Phe Pro
1 5

<210> 30
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Example CDR B

<400> 30
Ala Arg Asn Glu Cys Asp Gln Gly
1 5

<210> 31
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Second third of Example CDR B

<400> 31
Asn Glu Cys Asp
1

<210> 32
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-IL6R ICVD 7F6

<400> 32
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly

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

<210> 33
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-IL6R ICVD ID-3V

<400> 33
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15
Ser Thr Arg Leu Thr Cys Leu Ala Ser Gly Ser Ile Ser Ser Ile Asn
20 25 30
Val Ile Gly Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg Glu Leu Val
35 40 45
Ala Met Ile Gly Arg Gly Glu Gly Ala Asn Tyr Gly Asp Phe Ala Lys
50 55 60
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr Leu
65 70 75 80
Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Tyr
85 90 95
Ala Asp Tyr Glu Asp His Asp Ser Pro Phe Asn Gly Ser Trp Gly Gln
100 105 110
Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 34
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-IL6R ICVD 5G9

<400> 34
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
1 5 10 15
Ser Thr Arg Leu Thr Cys Lys Ala Ser Gly Ser Ile Phe Asn Ile Asn
20 25 30
Ser Ile Asn Val Met Ala Trp Tyr Arg Gln Ala Pro Gly Lys Gln Arg
35 40 45
Glu Leu Val Ala Ile Ile Gly Lys Gly Gly Gly Thr Asn Tyr Ala Asp
50 55 60
Phe Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Ala Ala Lys Asn Thr
65 70 75 80
Val Asn Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr
85 90 95
Tyr Cys Tyr Ala Asp Tyr Glu Asp Arg Asp Ser Pro Phe Asn Ala Ser
100 105 110
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 35
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> Polypeptide sequence of anti-IL6R ICVD ID-54V

<400> 35

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