Figure 12A

```
TVN14 (1)    QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAIILYDGSSKKY    (60)
TVN15        QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAFILYDGSNKKY
TVN148       QVQLVESGGGVVQPGRSLRLSCAASGFIFSSYAMHWVRQAPGNGLEWVAFMSYDGSNKKY
TVN148B      QVQLVESGGGVVQPGRSLRLSCAASGFIFSSYAMHWVRQAPGNGLEWVAFMSYDGSNKKY
TVN196       QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAFISYDGSNKKS
             ************************ **************:******:: ****.***

TVN14 (61)   ADSVKDRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARDRGISAGGNYYYYGMDVWGQGT    (120)
TVN15        ADSVKGRFTISRDNSKNALYLQMNSLRAEDTAVYYCARDRGVSAGGNYYYYGMDVWGQGT
TVN148       ADSVKGRFTISRDNPKNTLYLQMNSLRAEDTAVYYCARDRGIAAGGNYYYYGMDVWGQGT
TVN148B      ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARDRGIAAGGNYYYYGMDVWGQGT
TVN196       ADSVKGRFTVSRDNSKNTLFLQMNSLRAEDTAVFYCARDRGIGAGGNYYYYGMDVWGQGT
             *****.***:****.**:*:***************:*******:.******************

TVN14 (121)  TVTVSS                                                        (126)
TVN15        TVTVSS
TVN148       TVTVSS
TVN148B      TVTVSS
TVN196       TVTVSS
             ******
```

Figure 12B

```
TNV14   (1)   EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA    (60)
TNV15         EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
TNV148        EIVLTQSPATLSLSPGERATLSCRASQSVYSYLAWYQQKPGQAPRLLIYDASNRATGIPA
TNV148(B)     EIVLTQSPATLSLSPGERATLSCRASQSVYSYLAWYQQKPGQAPRLLIYDASNRATGIPA
TNV196        EIVLTQSPATLSLSPGERATLSCRASQSVYSYLAWYQQKPGQAPRLLIYDASNRATGIPA
              ************************** ******************************

TNV14   (61)  RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK               (108)
TNV15         RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK
TNV148        RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK
TNV148(B)     RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK
TNV196        RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK
              ************************************************
```

Figure 12A

```
TVN14  (1)    QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAIILYDGSSKKY    (60)
TVN15         QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAFILYDGSNKKY
TVN148        QVQLVESGGGVVQPGRSLRLSCAASGFIFSSYAMHWVRQAPGNGLEWVAFMSYDGSNKKY
TVN148B       QVQLVESGGGVVQPGRSLRLSCAASGFIFSSYAMHWVRQAPGNGLEWVAFMSYDGSNKKY
TVN196        QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYAMHWVRQAPGKGLEWVAFISYDGSNKKS
              **************************** **************:*******:: ****.***

TVN14 (61)    ADSVKDRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARDRGISAGGNYYYYGMDVWGQGT    (120)
TVN15         ADSVKGRFTISRDNSKNALYLQMNSLRAEDTAVYYCARDRGVSAGGNYYYYGMDVWGQGT
TVN148        ADSVKGRFTISRDNPKNTLYLQMNSLRAEDTAVYYCARDRGIAAGGNYYYYGMDVWGQGT
TVN148B       ADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCARDRGIAAGGNYYYYGMDVWGQGT
TVN196        ADSVKGRFTVSRDNSKNTLFLQMNSLRAEDTAVFYCARDRGIGAGGNYYYYGMDVWGQGT
              *****.***:****.**:*:**************:*******:.******************

TVN14 (121)   TVTVSS                                                        (126)
TVN15         TVTVSS
TVN148        TVTVSS
TVN148B       TVTVSS
TVN196        TVTVSS
              ******
```

Figure 12B

```
TNV14   (1)   EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA    (60)
TNV15         EIVLTQSPATLSLSPGERATLSCRASQSVSSYLAWYQQKPGQAPRLLIYDASNRATGIPA
TNV148        EIVLTQSPATLSLSPGERATLSCRASQSVYSYLAWYQQKPGQAPRLLIYDASNRATGIPA
TNV148(B)     EIVLTQSPATLSLSPGERATLSCRASQSVYSYLAWYQQKPGQAPRLLIYDASNRATGIPA
TNV196        EIVLTQSPATLSLSPGERATLSCRASQSVYSYLAWYQQKPGQAPRLLIYDASNRATGIPA
              ***************************** ******************************

TNV14   (61)  RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK               (108)
TNV15         RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK
TNV148        RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK
TNV148(B)     RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK
TNV196        RFSGSGSGTDFTLTISSLEPEDFAVYYCQQRSNWPPFTFGPGTKVDIK
              ************************************************
```