Sequence data

Heavy chain amino acid sequences using UCA as reference:

```
       1                   22          36          50             66           82abc        92             103
       |                   |           |           |              |             ||||        |              |
       --------------FWR1---------------CDR1-----FWR2------------CDR2--------------------FWR3-------------------CDR3----------FWR4---

  UCA: QVQLQESGPGLVKPSETLSLTCTVSGGSISSYYWSWIRQPPGKGLEWIGYIYYSGSTNYNPSLKSRVTISVDTSKNQFSLKLSSVTAADTAVYYCASLPRGQLVNAYFDYWGQGTLVTVSS
  IA3: -------------S---------------MGG-----L--S-V---------FHT-H-------E----V-----E-----R-R-----------------------F--N---------A-
  IA2: ----------V--S---------------MGGT----L-LS----------FHT-H-------EG--S------ED----R-R----------F--------------RN--R----S-TA
CH105: ----R--------S--------A-----MGG-----L-HS-V--------VFHT-H-------A---MV----TE-----RMR-----------------------F--N--P------A-
CH186: -------------S---------------M-----------------------A-D-------------------E-------R-----------------------IH----------------
CH187: -------------S--------S-----MNN-----------------M--A-D-------------------ED----R-R-----------------V------T----N--R--------
CH200: -------------V-----------SD--IN-----------G--------H----S----------Y-LL-A-E-------R-----------------------E-IRS---------P----P
CH103: ----------V--S---------------MGGT----L-LS-----------FHT-E---S----G--S------ED----R-R----------F--------------RN--R-S--S-TA
```

Binary using UCA as reference:

```
  UCA: 0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000
  IA3: -------------1---------------111-----1--1-1---------111-1-------1----1-----1-----1-1-----------------------1--1---------1-
  IA2: ----------1--1---------------1111----1-11----------111-1-------11--1------11----1-1----------1--------------11--1----1-11
CH105: ----1--------1--------1-----111-----1-11-1--------1111-1-------1---11----11-----111-----------------------1--1--1------1-
CH186: -------------1---------------1-----------------------1-1-------------------1-------1-----------------------11----------------
CH187: -------------1--------1-----111-----------------1--1-1-------------------11----1-1-----------------1------1----1--1--------
CH200: -------------1-----------11--11-----------1--------1----1----------1-11-1-1-------1-----------------------1-111---------1----1
CH103: ----------1--1---------------1111----1-11-----------111-1---1----1--1------11----1-1----------1--------------11--1-1--1-11
```

Binary using CH103 (the generalist) as reference:

```
  UCA: ----------1--1---------------1111----1-11-----------111-1---1----1--1------11----1-1----------1--------------11--1-1--1-11
  IA3: ----------1----------------------1------1--1--------------1---1---11--11------1-----------------1------------1-1---1-1--1-11
  IA2: ------------------------------------------------------------1---1---1-------------------------------------------------------
CH105: ----1-----1-----------1--------1------1--1--------1----1---1---11--11----1-1-----1-----------1------------1-1---1----1-11
CH186: ----------1----------------------111----1-11----------111-1---1-----------------1----1-----------1---------11---11--1-1--1-11
CH187: ----------1-----------1------111----1-11----------1111-1---1----1--1-------------------------1---1------1---1-----1--1-11
CH200: ----------1--1-----------11-1111----1-11--1--------111-11--1----1--1-11-1--1----1------------1-------1-111--11--1-11-1-11
CH103: 0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000
```

CDR parts contact the antigen, FWR regions hold the structure together.

Total length:121 aa
CDR (red): 46 aa
FWR (blue): 75 aa