```
logo          QVQLVQSGA  EVKKPGASVKVSCKASGYTF    TSYYMHWVRQAPGQGLEWMGIINPS  GGSTSYAQKFQ GRVTMTRDTSTSTVYMELSSLRSEDTAVYYCAR

IGHV1-46 03   QVQLVQSGA.EVKKPGASVKVSCKASGYTF....TSYYMHWVRQAPGQGLEWMGIINPS..GGSTSYAQKFQ.GRVTMTRDTSTSTVYMELSSLRSEDTAVYYCAR   98
IGHV1-46 01   QVQLVQSGA.EVKKPGASVKVSCKASGYTF....TSYYMHWVRQAPGQGLEWMGIINPS..GGSTSYAQKFQ.GRVTMTRDTSTSTVYMELSSLRSEDTAVYYCAR   98
IGHV1-46 02   QVQLVQSGA.EVKKPGASVKVSCKASGYTF....NSYYMHWVRQAPGQGLEWMGIINPS..GGSTSYAQKFQ.GRVTMTRDTSTSTVYMELSSLRSEDTAVYYCAR   98
IGHV1-46 04   QVQLVQSGA.EVKKPGASVKVSCKASGYTF....TSYYMHWVRQAPGQGLEWMGIINPS..GGSTSYAQKLQ.GRVTMTRDTSTSTVYMELSSLRSEDTAVYYCAR   98
consensus     !!!!!!!!! !!!!!!!!!!!!!!!!!!!!    *!!!!!!!!!!!!!!!!!!!!!!!!!  !!!!!!!!!*! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

X   non conserved

X   ≥50% conserved