```
IGHV4-59 12  QVQLQESGP.GLVKPSETLSLTCTVSGGSI....SSYYWSWIRQPPGKGLEWIGYIYYS...GSTNYNPSLK.SRVTISVDTSKNQFSLKLSSVTAADTAVYYCAR    97
IGHV4-59 01  QVQLQESGP.GLVKPSETLSLTCTVSGGSI....SSYYWSWIRQPPGKGLEWIGYIYYS...GSTNYNPSLK.SRVTISVDTSKNQFSLKLSSVTAADTAVYYCAR    97
IGHV4-59 08  QVQLQESGP.GLVKPSETLSLTCTVSGGSI....SSYYWSWIRQPPGKGLEWIGYIYYS...GSTNYNPSLK.SRVTISVDTSKNQFSLKLSSVTAADTAVYYCAR    97
IGHV4-59 13  QVQLQESGP.GLVKPSETLSLTCTVSGGSI....SSYYWSWIRQPPGKGLEWIGYIYYS...GSTNYNPSLK.SRVTISVDTSKNQFSLKLSSVTAADTAVYYCAR    97
IGHV4-59 11  QVQLQESGP.GLVKPSETLSLTCTVSGGSI....SSHYWSWIRQPPGKGLEWIGYIYYS...GSTNYNPSLK.SRVTISVDTSKNQFSLKLSSVTAADTAVYYCAR    97
consensus    !!!!!!!!!! !!!!!!!!!!!!!!!!!!!    !!*!!!!!!!!!!!!!!!!!!!!!!   !!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

X non conserved

X ≥ 50% conserved