```
1 ARNDCQEGHILKMFPST * YV
2 ARNDCQEGHILKMFPSTwyV
3 ARN COEGAL KMFPST-YV
4 ARNO QEGHILK # FPST YY
5 ARN CQEGH K\mathbf{WF}PSTWY\mathbf{V}
6 ARND QEGHILKM PST YV
7 ARNDCQEGHILKMFPSTWYV
8 ARN \circ CQ \circ GHILKM\longrightarrow PSTWYV
9 ARND QEGHILKMFPST V V
10 ARNDCQEGHILKMFPST VV
          CAT-C10 Model
```