





[illegible]

```

..F..E..L..Y..F..E..E..K..C..F..Y..T..I..I..E..W..V..D..A..L..V..R..I..P..S..F..S..W..P..L..D..L..V..M..R..K..A..V..K..S..D..V..G..E..V..I..W..H..Q..E..Y..R..W..S..W..E..K..K..Y..Q..Y..R..G..Y..W..A..P..A..S..F..Q..H..P..T..L..C..T..V..P..D..T..L..E..I..E..I..Q..G..C..L..G..V..N..I..S..N..
NLC LFKFAFIYLIFASSWRKLCSPFVYKLFK..NGE...NKFSSI.....
FFFFFFFFFFFF...FFFYIKCFTFI.....
ICPYACLSVVFV.F.TIEFKL.....
FYVCFNLLLF....I.....
.....
.....
F.....
.....
IVFMFI.....
.....
FTFI.....
KM FYVY..LIVF...YLEQKFCFRVQILIP EWVDALVRIPSFSFNWPLDLVDMRKAVKSDVGEVIWHQEYRWSWVEKKYQYRGYWAPASFQHPTLCTVPDTLEIEEIQGCLGVNISN
KM FYVY..LIVF...YLEQKFCFRVQILIP EWVDALVRIPSFSFNWPLDLVDMRKAVKSDVGEVIWHQEYRWSWVEKKYQYRGYWAPASFQHPTLCTVPDTLEIEEIQGCLGVNISN
ITI.....KCFTFI.....
KM FYVY..LIVF...YLEQKFCFRVQILIP EWVDALVRIPSFSFNWPLDLVDMRKAVKSDVGEVIWHQEYRWSWVEKKYQYRGYWAPASFQHPTLCTVPDTLEIEEIQGCLGVNISN
.....
.....
FYVYLIVILL.....KTRKICFRVQIFIP EWVDAPVRNPSFSKNWPLDLVGMRKAVKSDVGEVIWHQEYRWSWDAKKYRYRGYWAPASFQHPTLCTVPDTLEIEEIQGCLGVNISN
YVLMLI.....
YVLMLI.....
.....
.....

```

-  acidic (-)
-  basic (+)
-  polar uncharged
-  hydrophobic nonpolar