

Identification of Conserved Amino Acid Sequences and Protein Motifs

Distantly Related Sequences

ACBP

Human
Bovine
Duck
Yeast

```

MSQAEFEKAAEEVRHLLKTKPSDEEMLFYGHYKQATVGDINTE
MSQAEFDKAAEEVKHLLKTKPSDEEMLFYSHYKQATVGDINTE
MTLQADEDEAAEEVKKLLKTRPTDEELKEIYGFYKQATVGDINIE
MVSQLFEKAKAVNELPTKPESTDLELLEIYALYKQATVGDNDKE
    
```

Design Pattern for ACBP N-terminus

Human
Bovine
Duck
Yeast

```

RPGMLDFTGKAKWDAAWNELKGTSTSKEDAMKAYI NKVEELKKYGI
RPGMLDFFKGKAKWDAAWNELKGTSTSKEDAMKAYI DKVEELKKYGI
CPGMLDLKGKAKWEAAWNLKKGISKEEDAMNAYI SKAKTMVEKYGI
KPGIFNMKDRYKWEAAWENLKGKSQEDAEKEIYI ALVDQLIAKYSS
    
```