



```

10      20      30      40      50
1IM8 ( 19) fdenVAevFpd Iq---rSvPgy-----snIitaIG lAer-fVta
1KPI ( 23) HYdksneFFkLWL DpsMTYSCAyferpdmtleeAQyaKrklALdkLnLep
          aaa                aaaaaa  aa

          ← motif-I → 70          ← motif-II → 100
1IM8 ( 56) dSnVYDLGCSrGaATLsArrnInqpnvKliGIDnSqP VerCrqhiaayh
1KPI ( 73) gmtLLDIGCGWGsTMrhAvaeyd---VnVIGLTLSenQyahDkamfdevd
          bbbbb      aaaaaa      bbbbb      aaaaaaa

          ← motif-III → ← motif-IV → 140 ← motif-V
1IM8 (106) seipVeIlCnDIRhyeIknAS VILNFTLQfLp-----pedRialLtk
1KPI (120) sprrkeVriqGWEeFdepVd-RIVSLGAFEHFAdGagdagfeRYdtFFkk
          bbbb          bbb 333          aaaaaaa

motif-V ← motif-VI → 170      180      190      200
1IM8 (149) IyegLnprnGVLVLSekFrfed-----tkin-----hllidlHhqf
1KPI (169) FynlTpddGrMLLHTITipdkeeaqelgltspmsllrfik-----
          aaa      bbbbbbb      a

          210      220      230      240      250
1IM8 (184) krangYselevsqkRtalenv rtdsietHkvrLknvgFsqVelwfgcf-
1KPI (209) -----filteIFpgGrLPrisqVdyySsnagWkVeryhriGan
          aaaaa      aaaaaaaaaa      bbbbbbb

          260      270      280      290      300
1IM8 (233) -----NFGS
1KPI (247) YvpTLnaWAdaLqahkdeAialkgqetCdiYmhYLrgCSdlFrdkyTdVC
          bbb

1IM8 (238) -iAvk
1KPI (297) QFTLv
          bbb

```

solvent inaccessible
solvent accessible
α-helix
β-strand

UPPER CASE X
lower case x
red x
blue x

hydrogen bond to main chain amide
hydrogen bond to main chain carbonyl
positive phi
3 - 10 helix

bold x
underline x
italic x
maroon x