```
Human                β1                 TT        β2                                β3          β4      TT      TT   β5      β6      TT
                 1         10                  20        30                                40                  50                  60
Human   IQRTPKIQVYSRHPAENGKSNFLNCYVSGFHPSDIEVDLLKNGERIEKVEHSDLSFSKDW
Bat     EPRTPKIQVYSRHPAENGKPNYLNCYVYGFHPPQIEIDLLKNGQKM.KTEQSDLSFSKDW
Rhesus  IQRTPKIQVYSRHPPENGKPNFLNCYVSGFHPSDIEVDLLKNGEKMGKVEHSDLSFSKDW
Dog     VQHPPKIQVYSRHPAENGKPNFLNCYVSGFHPPEIEIDLLKNGKEM.KAEQTDLSFSKDW
Mouse   IQKTPQIQVYSRHPPENGKPNILNCYVTQFHPPHIEIQMLKNGKKIPKVEMSDMSFSKDW
Cattle  IQRPPKIQVYSRHPPEDGKPNYLNCYVYGFHPPQIEIDLLKNGEKI.KSEQSDLSFSKDW
Equid   VPRVPKVQVYSRHPAENGKPNFLNCYVSGFHPPEIEIDLLKNGEKM.KVDRSDLSFSKDW
Chicken FDLTPKVQVYSRFPASAGTKNVLNCFAAGFHPPKISITLMKDGVPMEGAQYSDMSFNDDW
Bony    KVSSPKIQVYSHYPGEYGKENTLICYVSNFHPPDISIELLKNGKVIADAQQTDLAFEKGW
Xenopus I.SPPVVKVYTAEPVDFGKTNEVICYVYNYHPPRLEMRLEKNGVEIPDCKQTDPSFQHNW
                                                  1
```

```
Human                β7                 β8                 TT        β9          TT
                                70                 80                 90
Human   SFYLLYYTEFTPTEKDEYACRVNHVTLSQPKIVKWDRDM
Bat     SFYLLVHTDFTPSTVDEYSCRVNHSSLAAPHMVKWDRNN
Rhesus  SFYLLYYTEFTPNEKDEYACRVNHVTLSGPRTVKWDRDM
Dog     TFYLLVHTEFTPNEQDEFSCRVKHVTLSEPQIVKWDRDN
Mouse   SFYILAHTEFTPTETDTYACRVKHDSMAEPKTVYWDRDM
Cattle  SFYLLSHAEFTPNSKDQYSCRVKHVTLEQPRIVKWDRDL
Equid   SFYLLVHTDFTPNGVDEYSCRVQHSTLKDPLIVKWDRDL
Chicken TFQRLVHADFTPSSGSTYACKVEHETLKEPQVYKWDPEF
Bony    QFHLTKSVSFKPEKSDEYSCRVKHMS..DNKTIVWESNM
Xenopus KYYTTKSTHVHIDKGDKVECVVSHNGNPS.KKYRL...D
                                1
```