```
                 Domain 1                       PK II                Domain 1                       PK III   Domain 2b
           1         10        20        30        40        50        60        70        80        90        100
PSIV       ----gACuAUGUGAUCUUauUaaaaUUAGGuuAAaUUUcgAgG--UUAAaAAUagUUuAaUAuUGCUAUaGUcuUAga--gguCUUguaUAUUUAuacU
HiPV       --gaAAaugUGUGAUCUgauUagaagUAGaAAA-UU-cCuaG--UUA-UAAUaUUuUaAUAcUGCUAcauUUuUAag--AccCUUAGuUAUUUAGCUU
DCV        -gUuAAg-AUGUGAUCUUGCUU-ccUUAuacAAu-UUUGagaGg-UUAAUAAgaaGg-AAGUAgUGCUAU-cUUaauaau-uAGgUUAaCUAUUUAGuUU
CrPV       ---cAAaaAUGUGAUCUUGCUU-GuaaAuacAAu-UUUGagaGg-UUAAUAAaUUac-AAGUAgUGCUAUuuUUgUAuU--uAGgUUAGCUAUUUAGCUU
TrV        --UugACuAUGUGAUCUUGCUU-ucgUAauaAAA----uCuguacaUAA-AAgUcGa-AAGUAuUGCUAUaGUUaaggUu-gcGCUUgcCUAUUUAGgca
BQCV       --ccAACaAUGUGAUCUUGCUU-GcggAGGcAAAaUUUGCAcaguaUAA-AAUcUGc-AAGUAgUGCUAUuGUUggAaU--cACcGUAcCUAUUUAGgUU
RhPV       --aguguugUGUGAUCUUGCgc-GaU-----AAA-UgcugAcG--UgAA-AA-cguU-gcGUAuUGCUACaacacU------uGgUUAGCUAUUUAGCUU
ALPV       aaUuAcuaAUuUGAUCUUu--agGuUa---uAAugUUaGgAcua--UAAaAAUUaGcuu--aA-UGCauUuagUaauuUa-AgGCUUAGuUAUUUAaCUU
TSV        -cUccAuguauUGgUuaccCaUcugcaucGaAAAc---uCuccgaacAcUAggUgcaguAag---GCUuUcaUggag-----uGgUUuGCUAUUUAGCg-
ABPV       ----cACaAcaUGgUuaccCaUaG-aUuGaggAAaUUUcC-aa--UaAAcucagUaUuAAGg---cuUgUuGUguUggac-AAGgUgccCUAUUUAGg--
Cons.Seq   --uyAAcnAUGUGAUCUUGCUU-GnuUAggnAAA-UUUgCanGn-UUAAuAAuuugu-AAGUAnUGCUAUngUUrUaru--aaGCUUAGCUAUUUAGCUU
Cons.Struct ..(((((((((.....(((((((((((.........((((((........)))))))))))....)))))))))).....(((((.((((....))))).
Cons.Struct ..aaaaaaaaa......bbbbbbbbbbb.........ccccccc........bbbbbbbbbbb....aaaaaaaaa.....ddddd.eeee....eeee.
```

```
                Domain  PK III  2a          Domain 2a                PK II          Domain 3          PK I   Domain
           101       110       120       130       140       150       160       170       180       190       200
PSIV       UACcacaCAAGAUGgacC-GgaGCAGCCCucC--AAUAUCuAGuguAc--CcUcgUGc--UcgCUcaaAcAUUAaGUgGUgU--Ugu----------
HiPV       UACcgcCCAgGAUGggcu-GcaGCguuCCugC--AAUAUCCAGGgcAc--CuaGgUGc--agCCUUgUAGuUUuaGUgGaCU-uUA----------
DCV        UACUguUCAgGAUGCCUa-uUGGCAGCCCCAu--AAUAUCCAGGacAc-cCucucUGc--UuCuUaUauGAUUAGGUuGUCa-uUu----------
CrPV       UACgUucCAgGAUGCCUa-GUGGCAGCCCCAC--AAUAUCCAGGaagc-cCucucUGc--gguuUUUcAGAUUAGGUAGUC--gaAA----------
TrV        UACUUcUCAgGAUGgCgC-GUuGCAGuCCaAC--AAgAUCCAGGgacuguacaGaau---UuuCcUaUAccUcgaGUcGggUuu----------
BQCV       UACgcucCAAGAUcggUggaUaGCAGCCCuAuc-AAUAUCuAGGagA-acugUGcUa---UguuUagaAGAUUAGGUAGUCU--cuA----------
RhPV       UACUaaUCAAGAcGCCg-ucguGCAGCCCaca--AAagUCuAGau----aCgUcac--aggagagcaUAcgcUAGGUcGcgU--UgAc----------
ALPV       UACUUaUCAAGAUGgC-CguUGGCAGCCCC-acgAA-AUCuAGau----uagUccgaaugUcCuaUUUuGAUUAGGUgGUCa--gAu----------
TSV        UAC------gugUaCCa--uaGGCAGCCCCAa--AA-AcaC-Guguga--ggaGa--aagUcCCagUcAcuUUgGGcAaagUagacA---gccgcgcuug
ABPV       -----gUg-AGgaGCCUuacUGGCAGCCCCAgugAA-ucCu-cca----uugGaUa--ggaaCagcUAuAUUgGGUAGUuguagcAguuguauucaaau
Cons.Seq   UACuuyUCAAGAUGCCuc-gUGGCAGCCCCAc--AAUAUCCAGGr-an--CnuGnUgn--UncCUuuUAGAUUAGGUaGUCU--uaA----------
Cons.Struct ....((((((((((((().(((.....))))).....))))))))))...))))))).....(((((((.(((((.(((((())))..))).............
Cons.Struct ....fffffffffddddd.gggg.....gggg.....fffffffff...cccccc.....hhhhhii.jjjjj.kkkkkjjjj..iii.............
```

```
                3       PK I
           201       210       220
PSIV       ---------GcgAaA-AGAAUcUcACuU
HiPV       ---------GGcuaA-AGAAUUUcACua
DCV        ---------aGaAuA-AGAAaaUaACCU
CrPV       ---------aaccuA-AGAAaUUUACCU
TrV        ---------GGaAuc-uaAggUUgACuc
BQCV       ---------aacAgA-AcAA-UUUACCU
RhPV       ---------uaucCu-uauAUaUgACCU
ALPV       ---------aGguCA--GAAacUcACCU
TSV        cguggu---GGgACuu-aAuUaaUgCCU
ABPV       gaaugcagcGuucCgaAauAUcaUACCU
Cons.Seq   ---------GGnAcA-AGAAUuUuACCU
Cons.Struct ........)))))..........)))))
Cons.Struct ........hhhhh..........kkkkk
```