T-COFFEE, Version\_9.03.r1542 (2013-04-15 14:45:23 - Revision 1542 - Build 408)
Cedric Notredame
SCORE=97
\*
 BAD AVG GOOD
\*
gi|151108413|re   :  97
gi|332823960|re   :  97
gi|297290757|re   :  97
gi|345778723|re   :  98
gi|190360739|re   :  97
gi|27819604|ref   :  97
gi|61556863|ref   :  97
gi|56605918|ref   :  97
gi|50345054|ref   :  97
gi|18859799|ref   :  96
gi|158286953|re   :  96
gi|17557648|ref   :  95
cons              :  97

gi|151108413|re       1 MSNS-------------------------------------H-PL-RPFTAV-----------   13
gi|332823960|re       1 ---------------------------------------------------------------    0
gi|297290757|re       1 ---------------------------------------------------------------    0
gi|345778723|re       1 ---------------------------------------------------------------    0
gi|190360739|re       1 MSNS-------------------------------------H-PL-RPFTAV-----------   13
gi|27819604|ref       1 MSNS-------------------------------------H-PL-RPFTAV-----------   13
gi|61556863|ref       1 MSNS-------------------------------------H-PL-RPFTAV-----------   13
gi|56605918|ref       1 MAKNPNFQEVGHLPTGYIHCRPSESFTGYQYHHPSKMS-NSH-PL-RPYTAV-----------   49
gi|50345054|ref       1 MSDS-------------------------------------H-PL-RPMNSA-----------   13
gi|18859799|ref       1 MSSQGHHK----------------------------MSGGGKKGA-MEQDYT-----------   23
gi|158286953|re       1 MSSQSSG-----------------------------MAGSQH-TS-SALARN-----------   21
gi|17557648|ref       1 MSDN-------------------------------------H-AFGRPIQEDGRGIVETMRTE   25

cons                  1                                                                   63

gi|151108413|re      14 ----------------GEIDHVHILSEHIGALLIGEEYGDVTFVVEK-KRFPAHRVILAARCQ   59
gi|332823960|re       1 ---------------------------------------------------------------    0
gi|297290757|re       1 ---------------------------------------------------------------    0
gi|345778723|re       1 ---------------------------------------------------------------    0
gi|190360739|re      14 ----------------GEIDHVHILSEHIGALLIGEEYGDVTFVVEK-KRFPAHRVILAARCQ   59
gi|27819604|ref      14 ----------------GEIDHVHILSEHIGALLIGEEYGDVTFVVEK-KHFPAHRVILAARCQ   59
gi|61556863|ref      14 ----------------GEIDHVHILSEHIGALLIGEEYGDVTFVVEK-KRFPAHRVILAARCQ   59
gi|56605918|ref      50 ----------------GEIDHVHILSEHIGALMNGEEYSDVTFIVEK-KRFPAHRVILAARCH   95
gi|50345054|ref      14 ----------------SEIDHLHLLSEQLGALVPGEEYSDVTFVVEE-KRFPAHRVILAARCQ   59
gi|18859799|ref      24 ----------------DVVDLGDRFSADMARLCMNEQYADVEFIVEE-ERIPAHRVILAARSE   69
gi|158286953|re      22 ----------------HEIELTARFSEQMAQLCMSADYSDVTFIVEG-QRIPAHRVILAARSE   67
gi|17557648|ref      26 SAAISNNFNAVNSVNKSVVQHLDELSQSFDEIFTSTDHSDVTLVLDDGTEFAAHRLILAVRSS   88

cons                 64                                                                  126

gi|151108413|re      60 YFRALLYGGMRESQPEAEIPLQDTTAEAFTMLLKYIYTGRATLTDEKEEVLLDFLSLAHKYGF  122
gi|332823960|re       1 MCRALLYGGMRESQPEAEIPLQDTTAEAFTMLLKYIYTGRATLTDEKEEVLLDFLSLAHKYGF   63
gi|297290757|re       1 MCRALLYGGMRESQPEAEIPLQDTTAEAFTMLLKYIYTGRATLTDEKEEVLLDFLSLAHKYGF   63
gi|345778723|re       1 ---------MRESQPEAEIPLQDTTAEAFTMLLKYIYTGRATLTDEKEEVLLDFLSLAHKYGF   54
gi|190360739|re      60 YFRALLYGGMRESQPEAEIPLEDTTAEAFTMLLKYIYTGRATLTDEKEEVLLDFLSLAHKYGF  122
gi|27819604|ref      60 YFRALLYGGMRESQPEAEIPLQDTTAEAFTMLLRYIYTGRATLTDEKEEVLLDFLSLAHKYGF  122
gi|61556863|ref      60 YFRALLYGGMRESQPEAEIPLQDTTAEAFTMLLRYIYTGRATLTDEKEEVLLDFLSLAHKYGF  122
gi|56605918|ref      96 YFRALLYGGMRESQPEAEIPLQDTTAEAFTMLMKYIYTGRATLRDEKEEVLLDFLSLAHKYGF  158
gi|50345054|ref      60 YFRALLYGGLRESRAQAEVRLEETRAEAFSMLLRYLYTGRATLSEAREETLLDFLGLAHRYGL  122
gi|18859799|ref      70 YFRALLYGGMAETT-QRQIPLE-VPLEAFKVLLRYIYSGTLLLSTLDEDSTIDVLGMANQYGF  130
gi|158286953|re      68 YFRALLYGGLQETK-QHEITLN-IPLMAFRCLLKYIYSGSMSLMQMKEEHLLDTLGLANQYGF  128
gi|17557648|ref      89 FFRAMLYTGFQESH-QQLVTLQETNSVAFRAVLRYMYTSKIDFAGVELDILLEYLSLAHRYDL  150

cons                127          : \*:  :  : \*:     \*\*  :::\*:\*:.   :     :  :: \*.:\*::\*.:  189

gi|151108413|re     123 PELEDSTSEYLCTILNIQNVCMTFDVASLYSLPKLTCMCCMFMDRNAQEVLSSEGFLSLSKTA  185
gi|332823960|re      64 PELEDSTSEYLCTILNIQNVCMTFDVASLYSLPKLTCMCCMFMDRNAQEVLSSEGFLSLSKTA  126
gi|297290757|re      64 PELEDSTSEYLCTILNIQNVCMTFDVASLYSLPKLTCMCCMFMDRNAQEVLSSEGFLSLSKTA  126
gi|345778723|re      55 PELEDSTSEYLCTILNIQNVCMTFDVASLYSLPKLTCMCCMFMDRNAQEVLSSEGFLSLSKTA  117
gi|190360739|re     123 PELEDSTSEYLCTILNIQNVCMTFDVASLYSLPKLTCMCCMFMDRNAQEVLSSEGFLSLSKTA  185
gi|27819604|ref     123 PELEDSTSEYLCTILNIQNVCMTFDVASLYSLPKLTCMCCMFMDRNAQEVLASDGFLSLSKTA  185
gi|61556863|ref     123 PELEDSTSEYLCTILNIQNVCMTFDVASLYSLPKLTCMCCMFMDRNAQEVLASDGFLSLSKTA  185
gi|56605918|ref     159 PELEDSTSEYLCTILNIQNVCMTFDVASLYSLPKLTCMCCMFMDRNAQEVLSSEGFLSLSKAA  221
gi|50345054|ref     123 QPLEVSICEFLRTLLSTRNVCLVFDVASLYCLNGLAEACMAYMDRNAVEVLKSDGFLTLSKSA  185
gi|18859799|ref     131 QDLEMAISNYLRQYLALDNVCMILDAARLYNLEELTEVCLMFMDRNAGDLLLHNSFNTLSKES  193
gi|158286953|re     129 ADLEMAISDYLRQVLSLGNVCAILDAARLFALDGLTAVCHSFMDRNAADILQHESFRHLSLDS  191
gi|17557648|ref     151 IQLMTAISEYFKEILKNENLCSIFNAAYFFQFTDLIDYCMQYSDKHADQLLEDPSFNRLSGDS  213

cons                190   \*  : .:::   \*   \*:\*  ::.\* :: :  \*   \*  : \*::\* ::\*   .\*  \*\*  :  252

gi|151108413|re     186 LLNIVLRDSFAAPEKDIFLALLNWCKHNSK--ENH-AEIMQAVRLPLMSLTELLNVVRPSGLL  245
gi|332823960|re     127 LLNIVLRDSFAAPEKDIFLALLNWCKHNSK--ENH-AEIMQAVRLPLMSLTELLNVVRPSGLL  186
gi|297290757|re     127 LLNIVLRDSFAAPEKDIFLALLNWCKHNSK--ENH-AEIMQAVRLPLMSLTELLNVVRPSGLL  186
gi|345778723|re     118 LLNIVLRDSFAAPEKDIFLALLNWCKHNSK--ENH-AEIMQAVRLPLMSLTELLNVVRPSGLL  177
gi|190360739|re     186 LLNIVLRDSFAAPEKDIFLALLNWCKHNSN--ENH-AEIMQAVRLPLMSLTELLNVVRPSGLL  245
gi|27819604|ref     186 LLNIVLRDSFAAPEKDIFLALLNWCKHNAK--ENH-AEIMQAVRLPLMSLTELLNVVRPSGLL  245
gi|61556863|ref     186 LLNIVLRDSFAAPEKDIFLALLNWCKHNAK--ENH-AEIMQAVRLPLMSLTELLNVVRPSGLL  245
gi|56605918|ref     222 LLSIVLRDSFAAPEKDIFQALMNWCKHNPK--ENH-AEIMQAVRLPLMSLTELLNVVRPSGLL  281
gi|50345054|ref     186 LLTVVRRDSFASSEREIFQALCHWCHHNGD--GPEAKEVMSAVRLPLMTLSEMLNVVRPSGLL  246
gi|18859799|ref     194 LEEVLRRDCFFAPEVQIFLAVWKWSRFNSN--VDF-KSVVSYVRLPLMNLEHLLQVVRPSGIL  253
gi|158286953|re     192 LCSLLLRDSFFAREVEIFQAVFDWCRCNADTVPNV-DVVVGKVRFELMSLEELLTVVRPSGIL  253
gi|17557648|ref     214 LKELLARDSFFALELKIFNAVRSWHQNNPTMKEAS-KVLLELVRLPLITQTELLNCVRPTGLV  275

cons                253 \*  :: \*\*.\* : \* .\*\* \*:  \* : \*          ::  \*\*: \*:.  .:\*  \*\*\*:\*::  315

gi|151108413|re     246 SPDAILDAIKVRSESRDMDLNYRGMLIPEENIATMKYGAQVVKGELKSALLDGDTQNYDLDHG  308
gi|332823960|re     187 SPDAILDAIKVRSESRDMDLNYRGMLIPEENIATMKYGAQVVKGELKSALLDGDTQNYDLDHG  249
gi|297290757|re     187 SPDAILDAIKVRSESRDMDLNYRGMLIPEENIATMKYGAQVVKGELKSALLDGDTQNYDLDHG  249
gi|345778723|re     178 SPDAILDAIKVRSESRDMDLNYRGMLIPEENIATMKYGAQVVKGELKSALLDGDTQNYDLDHG  240
gi|190360739|re     246 SPDAILDAIKVRSESRDMDLNYRGMLIPEENIATMKYGAQVVKGELKSALLDGDTQNYDLDHG  308
gi|27819604|ref     246 SPDAILDAIKVRSESRDMDLNYRGMLIPEENIATMKYGAQVVKGELKSALLDGDTQNYDLDHG  308
gi|61556863|ref     246 SPDAILDAIKVRSESRDMDLNYRGMLIPEENIATMKYGAQVVKGELKSALLDGDTQNYDLDHG  308
gi|56605918|ref     282 SPDAILDAIKIRSESRDMDLNYRGMLIPGENIATMKYGAQVVKGELKSALLDGDTQNYDLDHG  344
gi|50345054|ref     247 SPDDLLDAIQTRSESRDMDLNYRGMLIPEENIATMKHGAVVVKGELKSALLDGDTQNYDLDHG  309
gi|18859799|ref     254 DPDKILDAIDERSTSKA--LPYRAALWPEENVAAETFLSRCIQGECRDALLDGDVTTYDMENG  314
gi|158286953|re     254 DPDRLLDAIGEKISSKQ--LPYR----PEENVATPKFNSRTIHGELRSALLDGDTVSYDMEKG  310
gi|17557648|ref     276 SADTLLDAIEVQTQ-RPHEIPFRGCKSLDTNIIPHYPHAQPLSRELSSRY-------------  324

cons                316 ..\* :\*\*\*\*  :   :   : :\*       \*: .    :  :  \*  .                 378

gi|151108413|re     309 FSRHPIDDDC-R-SGIEIKLGQPSIINHIRI-LLWDRDSRSYSYFIEVSMDE---LDWVRVID  365
gi|332823960|re     250 FSRHPIDDDC-R-SGIEIKLGQPSIINHIRI-LLWDRDSRSYSYFIEVSMDE---LDWVRVID  306
gi|297290757|re     250 FSRHPIDDDC-R-SGIEIKLGQPSIINHVRI-LLWDRDSRSYSYFIEVSMDE---LDWVRVID  306
gi|345778723|re     241 FSRHPIDDDC-R-SGIEIKLGQPSIINHIRI-LLWDRDSRSYSYFIEVSMDE---LDWIRVID  297
gi|190360739|re     309 FSRHPIDDDC-R-SGIEIKLGQPSIINHIRI-LLWDRDSRSYSYFIEVSMDE---LDWIRVID  365
gi|27819604|ref     309 FSRHPIDDDC-R-SGIEIKLGQPSIINHIRL-LLWDRDSRSYSYFIEVSMDE---LDWIRVID  365
gi|61556863|ref     309 FSRHPIDDDC-R-SGIEIKLGQPSIINHIRL-LLWDRDSRSYSYFIEVSMDE---LDWIRVID  365
gi|56605918|ref     345 FSRHPIDDDC-R-SGIEIKLGQPSIINHIRI-LLWDRDSRSYSYYIEVSMDE---LDWIRVID  401
gi|50345054|ref     310 FSRHPIEEEG-RAAGIQVRLGQPSIVNHIRL-LLWDKDSRSYSYYVEVSMDE---LDWVRVVD  367
gi|18859799|ref     315 YTRHCITDSK-D-AGIVVELGTFCMINHIRM-LLWDRDSRAYSYYVEVSGDQ---QHWDRVVD  371
gi|158286953|re     311 YTRHSISETGDS-SGIIVELGKLFIINHIKV-LLWDRDTRSYSYYVEVSVNQ---RNWERIVD  368
gi|17557648|ref     325 -----TNDEN-I-SVFQIDLGKPFIINTIMMDFNWKNEVQAFTYQVHVSMDNRVDAHWNLVAD  380

cons                379        :     : : : \*\*   ::\* : : : \*..: ::::\* :.\*\* ::    .\*  : \*  441

gi|151108413|re     366 HSQYLCRSWQKLYFPARV-----------------------------CRYIRIVGTHNTVNKI  399
gi|332823960|re     307 HSQYLCRSWQKLYFPARVCSGDGVSLWCPLWSRTPELKQSSLLGLPKCRYIRIVGTHNTVNKI  369
gi|297290757|re     307 HSQYLCRSWQKLYFPARVCSGDRVSRWCPLWSRTPELKQSSLFGLPKCRYIRIVGTHNTVNKI  369
gi|345778723|re     298 HSQYLCRSWQKLYFPARV-----------------------------CRYIRIVGTHNTVNKI  331
gi|190360739|re     366 HSQYLCRSWQKLYFPARV-----------------------------CRYIRIVGTHNTVNKI  399
gi|27819604|ref     366 HSHYLCRSWQKLYFPARV-----------------------------CRYIRIVGTHNTVNKI  399
gi|61556863|ref     366 HSHYLCRSWQKLYFPARV-----------------------------CRYIRIVGTHNTVNKI  399
gi|56605918|ref     402 HSKYLCRSWQNLYFPARV-----------------------------CRYIRIVGTHNTVNKV  435
gi|50345054|ref     368 HSKFLCRSWQQLYFPARV-----------------------------CRFIRVVGTHNTVNKV  401
gi|18859799|ref     372 YSDYHCRSWQYLYFEARP-----------------------------VRFIRLVGTQNTVNRV  405
gi|158286953|re     369 HTKYYCRSWQYLYFPAQA-----------------------------VRYIRLVGTHNTVNKV  402
gi|17557648|ref     381 YSEYDCRGTQRLFFTDSV-----------------------------VRHIL-IRVNNSMSCK  413

cons                442 ::.: \*\*. \* \*:\*                                  \*.\*  : .:\*::.    504

gi|151108413|re     400 FHIVAFECMFTNKTFTLEK--GLIVPMENVATIADCASVIEGVSRSRNALLNGDTKNYDWDSG  460
gi|332823960|re     370 FHIVAFECMFTNKTFTLEK--GLIVPMENVATIADCASVIEGVSRSRNALLNGDTKNYDWDSG  430
gi|297290757|re     370 FHIVAFECMFTNKTFTLEK--GLIVPMENVATIADCASVIEGVSRSRNALLNGDTKNYDWDSG  430
gi|345778723|re     332 FHIVAFECMFTNKTFTLEK--GLIVPMENVATIADCASVIEGVSRSRNALLNGDTKNYDWDSG  392
gi|190360739|re     400 FHIVAFECMFTNKTFTLEK--GLIVPMENVATIADCASVIEGVSRSRNALLNGDTKNYDWDSS  460
gi|27819604|ref     400 FHIVAFECMFTNKAFTLEK--GLIVPLENVATIADCASVIEGVSRSRNALLNGDTKNYDWDSG  460
gi|61556863|ref     400 FHIVAFECMFTNKAFTLEK--GLIAPMENVATIADCASVIEGVSRSRNALLNGDTKNYDWDSG  460
gi|56605918|ref     436 FHIVAFECMFTNKTFALEK--GLIVPTENVATIADCASVIEGVSRSRNALLNGDTKNYDWDSG  496
gi|50345054|ref     402 FHLVALECMYTLRPFTLEK--GLLVPTENVATVQACASVVEGVSRSRNALLNGDTSHYDWDSG  462
gi|18859799|ref     406 FHVVGLEAMHTAKVPRLVN--HFVAPKTNVATVEMSAIVTDGVSRTRNALINGDYVRYDWDSG  466
gi|158286953|re     403 FHVVALEAMFTESTTPVVD--GILQPAYNVATVERSANVMEGVSRTRNVLLNGDVKNYDWDSG  463
gi|17557648|ref     414 LEGSRIEAMFSTETMPVEPVHKVIVPHRNITTIENHARVVEGVSRCRNALINGDSSSYDWDTG  476

cons                505 :.   :\*.\*.:     :     .: \*  \*::\*:   \* \* :\*\*\*\* \*\*.\*:\*\*\*   \*\*\*\*:.  567

gi|151108413|re     461 YTCHQLGSGAIVVQLAQPYMIGSIRLLLWDCDDRSYSYYVEVSTNQQQWTMVADRTKVSCKSW  523
gi|332823960|re     431 YTCHQLGSGAIVVQLAQPYMIGSIRLLLWDCDDRSYSYYVEVSTNQQQWTMVADRTKVSCKSW  493
gi|297290757|re     431 YTCHQLGSGAIVVQLAQPYMIGSIRLLLWDCDDRSYSYYVEVSTNQQQWTMVADRTKVSCKSW  493
gi|345778723|re     393 YTCHQLGSGAIVVQLAQPYMIGSIRLLLWDCDDRSYSYYVEVSTNQQQWTMVADRTKVSCKSW  455
gi|190360739|re     461 YTCHQLGSGAIVVQLAQPYMIGSIRLLLWDCDDRSYSYYVEVSTNQQQWTMVADRTKVSCKSW  523
gi|27819604|ref     461 YTCHQLGSGAIVVQLAQPYIIGSIRLLLWDCDDRSYSYYVEVSTNQQQWTMVADRTKVSCKSW  523
gi|61556863|ref     461 YTCHQLGSGAIVVQLAQPYMIGSIRLLLWDCDDRSYSYYVEVSTNQQQWTMVADRTKVSCKSW  523
gi|56605918|ref     497 YTCHQLGSGAIVVQLAQPYMIGSIRLLLWDCDDRSYSYYIEVSTNQQQWTMVADRTKVSCKSW  559
gi|50345054|ref     463 YTCHQLGSGAIVIQLAQPYMLGSMRLLLWDCDERSYSYYVELSTNQQNWVKIVDRTKDECRSW  525
gi|18859799|ref     467 YTCHQLGSGEIVVRLGQPYYLGSMRLLLWDCDDRTYSFYIEISTNRKEWQMVVDRRNDRTRSW  529
gi|158286953|re     464 YTCHQIGTGVILIQLGQPYWIDSLRLLLWDCDNRSYSFYIEVSANMTDWEVVVDKQSDHLKSW  526
gi|17557648|ref     477 YTCHQIGSGLIMIQLAQPYIISSMRILLWNCDDRFYSYYVAVSKNQDEWVTIVDRTNEECHGW  539

cons                568 \*\*\*\*\*:\*:\* \*:::\*.\*\*\* :.\*:\*:\*\*\*:\*\*:\* \*\*:\*: :\* \*  :\*  :.\*: .   :.\*  630

gi|151108413|re     524 QSVTFERQPASFIRIVGTHNTANEVFHCVHFECPEQQSSQKEENS-------------E----  569
gi|332823960|re     494 QSVTFERQPASFIRIVGTHNTANEVFHCVHFECPEQQSSQKEENS-------------E----  539
gi|297290757|re     494 QSVSFERQPASFIRIVGTHNTANEVFHCVHFECPEQQSSQKEENS-------------E----  539
gi|345778723|re     456 QSVTFERQPASFIRIVGTHNTANEVFHCVHFECPEQQSSHKEDSS-------------E----  501
gi|190360739|re     524 QSVTFERRPASFIRIVGTHNTANEVFHCVHFECPEQQSAQKD-SS-------------D----  568
gi|27819604|ref     524 QSVTFERQPASFIRIVGTHNTANEVFHCVHFECPEQQSNQKEDSS-------------E----  569
gi|61556863|ref     524 QSVTFERQPASFIRIVGTHNTANEVFHCVHFECPEQQSTQKEDSS-------------E----  569
gi|56605918|ref     560 QTITFDKQPASFIRIVGTQNTANEVFHCVHFECPAQSGTHKDEGC-------------K----  605
gi|50345054|ref     526 QTLTFDRQPASFIRIVGTHNTANEVFHCVHFECPAQMDTVVKEGS-------------P----  571
gi|18859799|ref     530 QNFHFTPRPVVYIRIVGTRNTANEIFHCVHLECPTQDKNYLKKIADMEKEREKREKEKKTAKT  592
gi|158286953|re     527 QHFAFQPKVVVYIRIVGTHNTANEMFHCVHFECPSQEPEFLRR-----------ERAIPI---  575
gi|17557648|ref     540 QELIFDPLPVVYIRLVGTRNSINEVFHVVHLEAPSNVPI------------------------  578

cons                631 \* . \*    . :\*\*:\*\*\*:\*: \*\*:\*\* \*\*:\*.\* :                             693

gi|151108413|re     570 ----ESGTGDTSLA-G------------------------------QQLDSHALRAPSGSSLP  597
gi|332823960|re     540 ----ESGTGDTSLA-G------------------------------QQLDSHALRAPSGSSLP  567
gi|297290757|re     540 ----ESGTGDTSLA-G------------------------------QQLDSHALRAPSGSSLP  567
gi|345778723|re     502 ----ESGPGEPG-P-G------------------------------PQLDPHALQAPSGSSLP  528
gi|190360739|re     569 ----EPGTGGASAA-G------------------------------QQLDPHALQAPSGSSLP  596
gi|27819604|ref     570 ----EPGTGDPSTP-N------------------------------QQLDPHAPRAPSASSLP  597
gi|61556863|ref     570 ----EPGTGDLSTP-S------------------------------QQLDPHAPRAPSASSLP  597
gi|56605918|ref     606 ----EVATTEVGTG-E------------------------------QQLVSRPVRAASTSSLH  633
gi|50345054|ref     572 ----GPDQPKPETS-S------------------------------QNSYSQSLMAQKP----  595
gi|18859799|ref     593 DDDNIASTSGSSLASGHAESPSTSSSSSQSVLRSIHWPPQTREVAVAPLTPPALSPPGTPALP  655
gi|158286953|re     576 -----EASGEESAE-E------------------------------SVVDEAPLRQE------  596
gi|17557648|ref     579 ---------------------------------------------------------------  578

cons                694                                                                  756

gi|151108413|re     598 SSPGSNSRSPNR---------------------------------------------------  609
gi|332823960|re     568 SSPGSNSRSPNR---------------------------------------------------  579
gi|297290757|re     568 SSPGSNSRSPNR---------------------------------------------------  579
gi|345778723|re     529 SSPGSASRSPNR---------------------------------------------------  540
gi|190360739|re     597 SSPGSNSRSPNR---------------------------------------------------  608
gi|27819604|ref     598 PSPGPNSRSPNQ---------------------------------------------------  609
gi|61556863|ref     598 PSPGPNLHSPNQ---------------------------------------------------  609
gi|56605918|ref     634 SPPGSTLRSH-A---------------------------------------------------  644
gi|50345054|ref     596 --------SSSS---------------------------------------------------  599
gi|18859799|ref     656 APLTPATSSPHNNHEQNQPSNISADASHHTSPSSRSNPSPSLSRSRSQSAELEPVPPLVELDT  718
gi|158286953|re     597 ---------------------------------------------------------------  596
gi|17557648|ref     579 ---------------------------------------------------------------  578

cons                757                                                                  819

gi|151108413|re     610 -QHQ  612
gi|332823960|re     580 -QHQ  582
gi|297290757|re     580 -QHQ  582
gi|345778723|re     541 -QHQ  543
gi|190360739|re     609 -QHQ  611
gi|27819604|ref     610 -QNQ  612
gi|61556863|ref     610 -QNQ  612
gi|56605918|ref     645 -HQP  647
gi|50345054|ref     600 -SHT  602
gi|18859799|ref     719 RETL  722
gi|158286953|re     597 SVTD  600
gi|17557648|ref     579 -AIK  581

cons                820       823