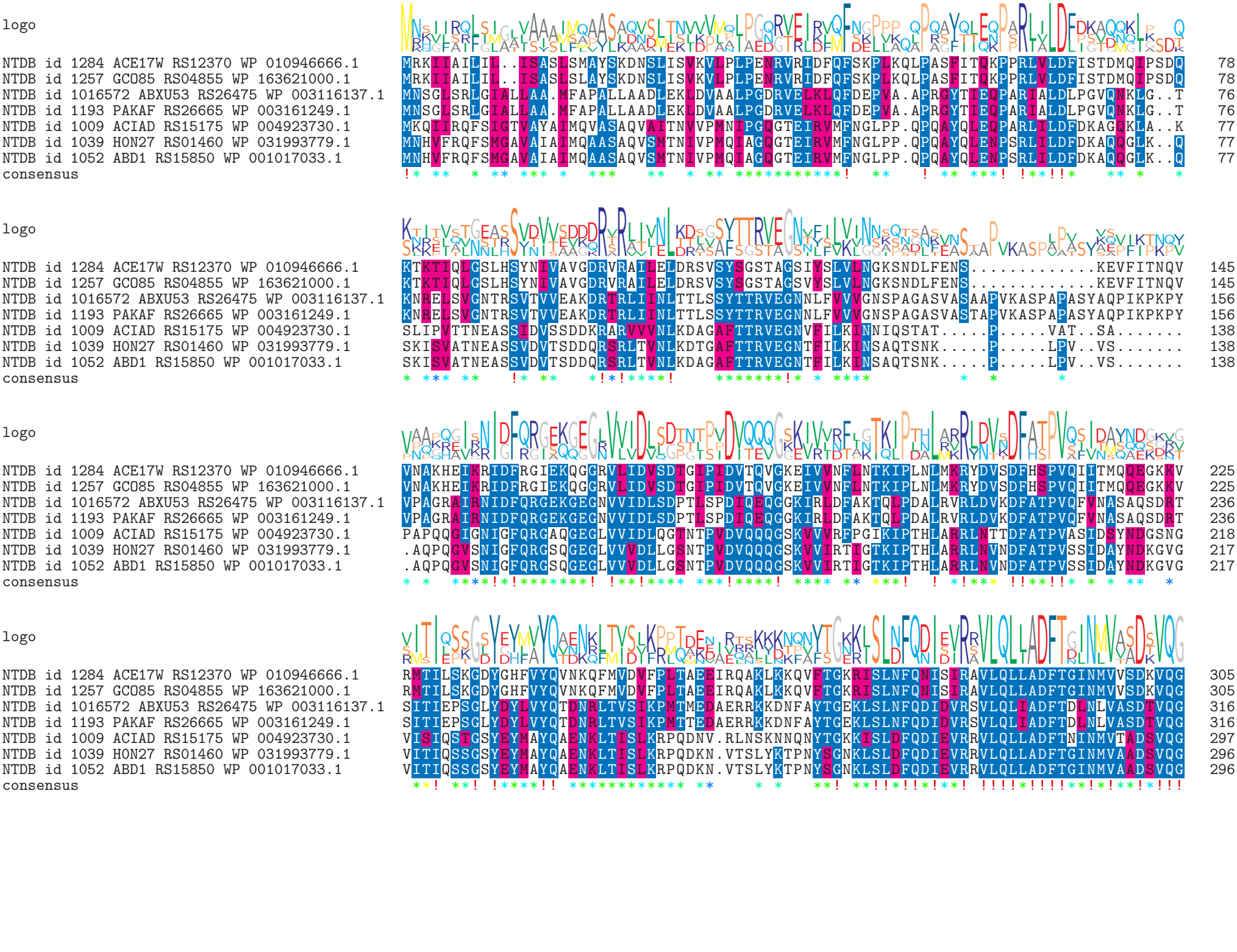
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NTDB id 1257 GCO85 RS04855 WP 163621000.1 MRKIIAILIL..ISASLSLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ 78
NTDB id 1016572 ABXU53 RS26475 WP 003116137.1 MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T 76
NTDB id 1193 PAKAF RS26665 WP 003161249.1 MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T 76
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NTDB id 1052 ABD1 RS15850 WP 001017033.1 MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQQGLK..Q 77
consensus
logo
NTDB id 1284 ACE17W RS12370 WP 010946666.1 KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENS.............KEVFITNQV 145
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NTDB id 1016572 ABXU53 RS26475 WP 003116137.1 KNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASAAPVKASPAPASYAQPIKPKPY 156
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NTDB id 1009 ACIAD RS15175 WP 004923730.1 SLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTAT.....P.....VAT..SA....... 138
NTDB id 1039 HON27 RS01460 WP 031993779.1 SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.....P.....LPV..VS....... 138
NTDB id 1052 ABD1 RS15850 WP 001017033.1 SKISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNK.....P.....LPV..VS....... 138
consensus
logo
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NTDB id 1257 GCO85 RS04855 WP 163621000.1 VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV 225
NTDB id 1016572 ABXU53 RS26475 WP 003116137.1 VPAGRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT 236
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NTDB id 1009 ACIAD RS15175 WP 004923730.1 PAPQQGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNG 218
NTDB id 1039 HON27 RS01460 WP 031993779.1 .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG 217
NTDB id 1052 ABD1 RS15850 WP 001017033.1 .AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVG 217
consensus
logo
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NTDB id 1257 GCO85 RS04855 WP 163621000.1 RMTILSKGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQG 305
NTDB id 1016572 ABXU53 RS26475 WP 003116137.1 SITIEPSGLYDYLVYQTDNRLTVSIKPMTMEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG 316
NTDB id 1193 PAKAF RS26665 WP 003161249.1 SITIEPSGLYDYLVYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQG 316
NTDB id 1009 ACIAD RS15175 WP 004923730.1 VISIQSTGSYEYMAYQAENKLTISLKRPQDNV.RLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQG 297
NTDB id 1039 HON27 RS01460 WP 031993779.1 VITIQSSGSYEYMAYQAENKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG 296
NTDB id 1052 ABD1 RS15850 WP 001017033.1 VITIQSSGSYEYMAYQAENKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQG 296
consensus

logo

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NTDB id 1257 GCO85 RS04855 WP 163621000.1   DITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLI   385
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NTDB id 1193 PAKAF RS26665 WP 003161249.1   NITLRLQNVPWDQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLF   396
NTDB id 1009 ACIAD RS15175 WP 004923730.1   NITLHLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLKYAKAADIEKLI   377
NTDB id 1039 HON27 RS01460 WP 031993779.1   NITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLI   376
NTDB id 1052 ABD1 RS15850 WP 001017033.1   NITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLI   376
consensus                                  *!!!*!***!!!!!!!**!*!**!!!!* !!!***** *** * !******* ** *!*!*****!***!!!!*!!* !*
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1   KDKQN.............................SLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQV   434
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NTDB id 1016572 ABXU53 RS26475 WP 003116137.1   QSVTSSGE..........................EKENSRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQV   448
NTDB id 1193 PAKAF RS26665 WP 003161249.1   QSVTSDGGQE........................GKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQV   450
NTDB id 1009 ACIAD RS15175 WP 004923730.1   TQGRNSGTSNSN.........TNGSATVEPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDLLDIPVKQV   448
NTDB id 1039 HON27 RS01460 WP 031993779.1   TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV   456
NTDB id 1052 ABD1 RS15850 WP 001017033.1   TQGSNNSNGLQHTSGGGTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQV   456
consensus                                     **                                 **** !!*!**!*!!!******** *****!*** *!!**!*!!
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NTDB id 1257 GCO85 RS04855 WP 163621000.1   LIEARIVEVTKDFSQDIGIRWGVSRPTHLSG..TLEGANE.LA.........RG.TAPANVVPLERRLNLDLAAAVPLTG   500
NTDB id 1016572 ABXU53 RS26475 WP 003116137.1   MIEARIVEANVGYDKSLGVRWGGAYHNGNWNSY....GKNGNM.GIKDKEGYNCGPFQGQCTFPTRD..NSPTPFVDMGA   521
NTDB id 1193 PAKAF RS26665 WP 003161249.1   MIEARIVEANVGYDKSLGVRWGGAYHKGNWSGY....GKDGNI.GIKDEDGMNCGPIAGSCTFPTTGTSKSPSPFVDLGA   525
NTDB id 1009 ACIAD RS15175 WP 004923730.1   MIEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLRNP...DSN.....GTYTIE...RPDNLNVDLGV   517
NTDB id 1039 HON27 RS01460 WP 031993779.1   MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREP...KKDETTGGYKYTIE...RPDNLNVDLGV   530
NTDB id 1052 ABD1 RS15850 WP 001017033.1   MVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREP...KKDETTGGYKYTIE...RPDNLNVDLGV   530
consensus                                  **!!!!!***  *****!**!!*       *   * ** *  *  ***     ** * **  ****   * *   *****
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NTDB id 1257 GCO85 RS04855 WP 163621000.1   ATPASVGIALAKL.NDNILLDLELSALESEGRAAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAFKKAVL   576
NTDB id 1016572 ABXU53 RS26475 WP 003116137.1   KDA.TSGIGIGFI.TDNIILDLQLSAMEKTGNGEVVSQPKVVTSDKETAKILKGSEIPYQEASSSGA...TSTSFKEAAL   596
NTDB id 1193 PAKAF RS26665 WP 003161249.1   KDA.TSGIGIGFI.TDNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TSTSFKEAAL   600
NTDB id 1009 ACIAD RS15175 WP 004923730.1   TTTGASSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSFKEALL   597
NTDB id 1039 HON27 RS01460 WP 031993779.1   SNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFKDALL   609
NTDB id 1052 ABD1 RS15850 WP 001017033.1   SNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFKDALL   609
consensus                                    * * *!*** *  ****!!!*!!!** *! *!**!*!*****!**** *! **!!!****!*!  ****!!*!*!
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1     SLKVTPQITPDGKILMDLQINQDTPS.PQTFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFFGELPVV  655
NTDB id 1257 GC085 RS04855 WP 163621000.1      SLKVTPQITPDGKILMDLQINQDTPS.PQTFLGVPAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFFGELPVV  655
NTDB id 1016572 ABXU53 RS26475 WP 003116137.1  SLEVTPQITPDNRIIVEVKVTKDAPDFQNALNGVPPINKNEVNAKILVNDGETIVIGGVFSNTQTKAVDKVPFLGDLPYL  676
NTDB id 1193 PAKAF RS26665 WP 003161249.1      SLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPFLGELPYL  680
NTDB id 1009 ACIAD RS15175 WP 004923730.1      SLEVTPNITPDGKILMELNIANDSIN.SYAQNGEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPFLGDLPYV  676
NTDB id 1039 HON27 RS01460 WP 031993779.1      SLNVTPSITPDGKIQMKLDISKDSVA.GAAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFFGDIPVV  688
NTDB id 1052 ABD1 RS15850 WP 001017033.1       SLNVTPSITPDGKIQMKLDISKDSVA.GAAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFFGDIPVV  688
consensus                                      !! !!!*!!!!**!**** ***!**   ** *!** **********!!**!*!***!!** **  * * **!!*!**!**
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logo

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NTDB id 1284 ACE17W RS12370 WP 010946666.1     GILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK  698
NTDB id 1257 GC085 RS04855 WP 163621000.1      GILFSNRQITLKNEELLIFITPRIITNALSITTIEGREKDVYK  698
NTDB id 1016572 ABXU53 RS26475 WP 003116137.1  GRLFRRDTVSDTKNELLVFLTPRIMNNQAIAIGR.........  710
NTDB id 1193 PAKAF RS26665 WP 003161249.1      GRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.........  714
NTDB id 1009 ACIAD RS15175 WP 004923730.1      GRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH..........  709
NTDB id 1039 HON27 RS01460 WP 031993779.1      GRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........  721
NTDB id 1052 ABD1 RS15850 WP 001017033.1       GRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH..........  721
consensus                                      !*!!*** *** **!!!*!*!!!!*** *
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- X non conserved
- X similar
- X ≥ 50% conserved