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logo
NTDB id 1257 GCO85 RS04855 WP 163621000.1   MRKI........IAILILISASLSLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSD   77
NTDB id 1284 ACE17W RS12370 WP 010946666.1  MRKI........IAILILISASLSMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSD   77
NTDB id 1009 ACIAD RS15175 WP 004923730.1   MKQIIRQFSIGTVAYAIMQVA......SAQVAITNVVPMNIPGQGTEIRVMFNGLPPQ.PQAYQLEQPARLILDFDKAGQKLA..   76
NTDB id 1039 HON27 RS01460 WP 031993779.1   MNHVFRQFSMGAVAIAIMQAA......SAQVSMTNIVPMQIAGQGTEIRVMFNGLPPQ.PQAYQLENPSRLILDFDKAQQGLK..   76
NTDB id 1052 ABD1 RS15850 WP 001017033.1   MNHVFRQFSMGAVAIAIMQAA......SAQVSMTNIVPMQIAGQGTEIRVMFNGLPPQ.PQAYQLENPSRLILDFDKAQQGLK..   76
NTDB id 120163 CL52 RS02580 WP 043218307.1 MNSTLSRVGVAMLALL.ASPA......LLAANLNKLDVASLPGDRVELKLAFDEPVSK.PRGYTLEQPARIALDLPGVSNKLG..   75
NTDB id 1193 PAKAF RS26665 WP 003161249.1  MNSGLSRLGIALLAAM.FAPA......LLAADLEKLDVAALPGDRVELKLQFDEPVAA.PRGYTIEQPARIALDLPGVQNKLG..   75
consensus
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logo
NTDB id 1257 GCO85 RS04855 WP 163621000.1   QKTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFENSKE.................VFITNQVV   146
NTDB id 1284 ACE17W RS12370 WP 010946666.1  QKTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENSKE.................VFITNQVV   146
NTDB id 1009 ACIAD RS15175 WP 004923730.1   KSLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTATPVATS......................AP   139
NTDB id 1039 HON27 RS01460 WP 031993779.1   QSKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNKPLPVV......................S.   138
NTDB id 1052 ABD1 RS15850 WP 001017033.1   QSKISVATNEASSVDVTSDDQRSRLTVNLKDAGAFTTRVEGNTFILKINSAQTSNKPLPVV......................S.   138
NTDB id 120163 CL52 RS02580 WP 043218307.1 VKNRELGLGNARSVTVVEAQGRTRLIVNLASLVPYATRVEGNELFIVLGENEGAAAPIASAAASPVASRP.........APVAAK   151
NTDB id 1193 PAKAF RS26665 WP 003161249.1  TKNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVAS...TAPVKASPAPASYAQPIKPKPYV   157
consensus
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logo
NTDB id 1257 GCO85 RS04855 WP 163621000.1   NAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKVRMTILS   231
NTDB id 1284 ACE17W RS12370 WP 010946666.1  NAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKVRMTILS   231
NTDB id 1009 ACIAD RS15175 WP 004923730.1   APQQGIGNIGFQRGAQGEGLVVIDLQGINTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPVASIDSYNDGSNGVISIQS   224
NTDB id 1039 HON27 RS01460 WP 031993779.1   AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVGVITIQS   223
NTDB id 1052 ABD1 RS15850 WP 001017033.1   AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPVSSIDAYNDKGVGVITIQS   223
NTDB id 120163 CL52 RS02580 WP 043218307.1 MVGKAISNIDFRRGEDGAGNVVITLSDASVGSTIEEQGGKINVKFDKAQLPEALRVRLDVQDFATPVRFVDATSSSGGASVAIEP   236
NTDB id 1193 PAKAF RS26665 WP 003161249.1  PAGRAIRNIDFQRGEKGEGNVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRTSITIEP   242
consensus
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logo
NTDB id 1257 GCO85 RS04855 WP 163621000.1   KGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQGDITLRLNDIPW   316
NTDB id 1284 ACE17W RS12370 WP 010946666.1  KGDYGHFVYQVNKQFMVDVFPLTAEEIRQAKLKKQVFTGKRISLNFQNISIRAVLQLLADFTGINMVVSDKVQGDITLRLNDIPW   316
NTDB id 1009 ACIAD RS15175 WP 004923730.1   TGSYEYMAYQAENKLTISLKRPQDNV.RLNSKNNQNYTGKKISLDFQDIEVRRVLQLLADFTNINMVTADSVQGNITLHLKDVPW   308
NTDB id 1039 HON27 RS01460 WP 031993779.1   SGSYEYMAYQAENKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQGNITLRLKDVPW   307
NTDB id 1052 ABD1 RS15850 WP 001017033.1   SGSYEYMAYQAENKLTISLKRPQDKN.VTSLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFTGINMVAADSVQGNITLRLKDVPW   307
NTDB id 120163 CL52 RS02580 WP 043218307.1 SGRYDYLAYQTDNQLTISVKPLSEDEAEKRKSERFAYSGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQGNITLRLQNVPW   321
NTDB id 1193 PAKAF RS26665 WP 003161249.1  SGLYDYLVYQTDNRLTVSIKPMTTEDAERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDLNLVASDTVQGNITLRLQNVPW   327
consensus
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logo
NTDB id 1257 GCO85 RS04855 WP 163621000.1   DQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLIKDKQN...........   390
NTDB id 1284 ACE17W RS12370 WP 010946666.1  DQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEEQLKSQQTIEKLEPIRSDLIQINYAKAADIAVLIKDKQN...........   390
NTDB id 1009 ACIAD RS15175 WP 004923730.1   DQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILLKYAKAADIEKLITQGRNSGTSNSN....   389
NTDB id 1039 HON27 RS01460 WP 031993779.1   DQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLITQGSNNSNGLQHTSGG   392
NTDB id 1052 ABD1 RS15850 WP 001017033.1   DQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQLKYAKAGDIMGLITQGSNNSNGLQHTSGG   392
NTDB id 120163 CL52 RS02580 WP 043218307.1 DQALDLVLKTKGLDKRQVGNVLLVAPADEIAARERQELESQRQIAELAPLRRELIQVNYAKAADIARLFQSVTENGS........   398
NTDB id 1193 PAKAF RS26665 WP 003161249.1  DQALDLVLKTKGLDKRKLGNVLLVAPADEIAARERQELEAQKQIAELAPLRRELIQVNYAKAADIAKLFQSVTSDGGQE......   406
consensus                                  !!!!!**!*!**!!!!* !!!***** *** * !******* ** *!*!*****!***!!!!*!!* !*    **
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logo
NTDB id 1257 GCO85 RS04855 WP 163621000.1   ....................SLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQVLIEARIVEVTKDFSQDIGIRW   455
NTDB id 1284 ACE17W RS12370 WP 010946666.1  ....................SLLSDRGKISVDARTNTIWIQDTGTKIEEVRELIKQLDIPVKQVLIEARIVEVTKDFSQDIGIRW   455
NTDB id 1009 ACIAD RS15175 WP 004923730.1   .....TNGSATVEPLGDSVGTLLSPRGTISLDPRTNTLIINDTSQKIDQIRKMIDLLDIPVKQVMIEARIVRATTSFSKEMGVKW   469
NTDB id 1039 HON27 RS01460 WP 031993779.1   GTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQVMVEARIVRASTSFTKELGVKW   477
NTDB id 1052 ABD1 RS15850 WP 001017033.1   GTSTSTNLNTGVDSLGNNVGSLLSPRGTITQDDRTNTLIINDTAQSIDQIRKMIDLLDVQVKQVMVEARIVRASTSFTKELGVKW   477
NTDB id 120163 CL52 RS02580 WP 043218307.1 ....................GATEERGSIAVDDRTNSIIAYQTQERLDELRRIVMQLDIPVRQVMIEARIVEANVDYDKSLGVRW   463
NTDB id 1193 PAKAF RS26665 WP 003161249.1  ....................GKEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQVMIEARIVEANVGYDKSLGVRW   471
consensus                                  **** !!*!**!*!!!******** ******!*** *!!**!*!!**!!!!!***  *****!**!
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logo
NTDB id 1257 GCO85 RS04855 WP 163621000.1   GVSRPTHLS.G.TLEGANELAR....G.....TAPANVVPLERRLNLDLAAVPLTGATPASVGIALAKL.NDNILLDLELSALES   528
NTDB id 1284 ACE17W RS12370 WP 010946666.1  GVSRPTHLS.G.TLEGANELAR....G.....TAPANVVPLERRLNLDLAAAPLTGATPASVGIALAKL.NDNILLDLELSALES   528
NTDB id 1009 ACIAD RS15175 WP 004923730.1   GILSQGINQNSNLLVGGSETTLWNLRNPDSN.....GTYTI...ERPDNLNVDLGVTTTGASSIAFGLISLSDFMLDLELSALQA   546
NTDB id 1039 HON27 RS01460 WP 031993779.1   GILSQGITNNNNLLVGGSETTLWNLREPKKDETTGGYKYTI...ERPDNLNVDLGVSNP.AGSIAFGLISMSDFMLDLELSALQA   558
NTDB id 1052 ABD1 RS15850 WP 001017033.1   GILSQGITNNNNLLVGGSETTLWNLREPKKDETTGGYKYTI...ERPDNLNVDLGVSNP.AGSIAFGLISMSDFMLDLELSALQA   558
NTDB id 120163 CL52 RS02580 WP 043218307.1 GGTQIFANGRGAVYGNDD...LGDEGGD............SGEDSNGNFPFVDLGVANRT.AGIGIGYV.TDNLILDLELSAMEK   531
NTDB id 1193 PAKAF RS26665 WP 003161249.1  GGAYHKGNW..SGYGKDGNIGIKDEDGMNCGPIAGSCTFPTTGTSKSPSPFVDLGAKDAT.SGIGIGFI.TDNIILDLQLSAMEK   552
consensus                                  !*          ** ** *  *    *     *  *  * *    * *   **!**  *   *!*** *  ****!!!*!!!**
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logo
NTDB id 1257 GCO85 RS04855 WP 163621000.1   EGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAFKKAVLSLKVTPQITPDGKILMDLQINQDTPSPQ.TFLGV   609
NTDB id 1284 ACE17W RS12370 WP 010946666.1  EGRAELISSPRLITTNQQAAVIESGEEIPYQEATSSGA...TAVAFKKAVLSLKVTPQITPDGKILMDLQINQDTPSPQ.TFLGV   609
NTDB id 1009 ACIAD RS15175 WP 004923730.1   DGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSFKEALLSLEVTPNITPDGKILMELNIANDSINS.YAQNGE   630
NTDB id 1039 HON27 RS01460 WP 031993779.1   DGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFKDALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGE   642
NTDB id 1052 ABD1 RS15850 WP 001017033.1   DGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAGSTATTSFKDALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGE   642
NTDB id 120163 CL52 RS02580 WP 043218307.1 TGNGEVVSQPKVVTSDKETAKILKGSEIPYQEASSSGA...TSTSFKEAALSLEVTPQITPDNRIIMEVKVTKDAPDFQNVLNGV   613
NTDB id 1193 PAKAF RS26665 WP 003161249.1  TGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TSTSFKEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGV   634
consensus                                  *! *!**!*!***********!** *! **!!!****!*!   ****!!*!*!!! !!!*!!!!**!*** ***!**  *   *!*
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1257 GCO85 RS04855 WP 163621000.1   PAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFFGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREK   694
NTDB id 1284 ACE17W RS12370 WP 010946666.1  PAIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPFFGELPVVGILFSNRQITLKNEELLIFITPRIITNALSITTIEGREK   694
NTDB id 1009 ACIAD RS15175 WP 004923730.1   AILNKNTINTNVLVNNGETVVLGGVFEQTTNNAVTKVPFLGDLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH......   709
NTDB id 1039 HON27 RS01460 WP 031993779.1   LILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH......   721
NTDB id 1052 ABD1 RS15850 WP 001017033.1    LILNKNNINTNVLVDNGETVILGGVFEQTTMNSQTKVPFFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH......   721
NTDB id 120163 CL52 RS02580 WP 043218307.1  PPINKNEVNAKVLVNDGETIVIGGVFSNTQSKSVDKVPFLGDLPYLGRLFRRDTVTNEKSELLIFLTPRIMSNQAIAVSH.....   693
NTDB id 1193 PAKAF RS26665 WP 003161249.1   PPINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPFLGELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR.....   714
consensus                                   * *********!!**!*!***!!** **  *** **!!*!**!**!*!!*** *** **!!!*!*!!!!*** *
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logo
                                            DVYK
NTDB id 1257 GCO85 RS04855 WP 163621000.1   DVYK   698
NTDB id 1284 ACE17W RS12370 WP 010946666.1  DVYK   698
NTDB id 1009 ACIAD RS15175 WP 004923730.1   ....   709
NTDB id 1039 HON27 RS01460 WP 031993779.1   ....   721
NTDB id 1052 ABD1 RS15850 WP 001017033.1    ....   721
NTDB id 120163 CL52 RS02580 WP 043218307.1  ....   693
NTDB id 1193 PAKAF RS26665 WP 003161249.1   ....   714
consensus
```

X non conserved
X similar
X ≥ 50% conserved