```
logo
NTDB id 1388 A4U84 RS04945 WP 062924099.1      .....MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGEFCQYDKTALKQM.GWNERQIQRWFNPEHKWIDQALQWA..EQ.    71
NTDB id 1399 DSB67 RS15600 WP 010645755.1      MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNIVQYSTEQLQLL.GLTAKQLQAWSQVDK.EVDACLTWV..AAS    76
NTDB id 599 KW2 RS05940 WP 021037268.1         .....MITN.FDLFRWKKAGMTNLGVNKLLKFFRKY.DRKISLRQMGQVAQV..KS...IPNFIEQYKNQDVKKL.RADY    67
NTDB id 1165592 AB3Y95 RS06900 WP 367297346.1  .....MLPQTFLLKLHLCPGIGQVGELRIAEYLRQRPTAQLDVTQLCQLAHLNARQ...IQRLQHAWLSPQLAMAV.RQH    71
NTDB id 626 LCA RS04960 WP 011374694.1         ....MLTKNQLLLKVHLAAGFGTISELRLAAWLSTSHNWALSALEIAQIARLPERY...WPTFQASFQSTTLQRQCIDHE    73
consensus                                          ** *  *!**   **** * * *** **      ***  ** *** *  **   * *    **   *

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NTDB id 1388 A4U84 RS04945 WP 062924099.1      DQQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGLAIGID   151
NTDB id 1399 DSB67 RS15600 WP 010645755.1      SHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSGLALGID   156
NTDB id 599 KW2 RS05940 WP 021037268.1         KKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIVSGLAKGID   146
NTDB id 1165592 AB3Y95 RS06900 WP 367297346.1  QQINTLTWLDAAYPEYLRESYRPPAVLFYQGDLNLLQQPVLALVGARQATNYTQRVLSQFMPALVANQVVTISGLAAGAD   151
NTDB id 626 LCA RS04960 WP 011374694.1         VRTTYLTILDKDYPQRLLETYLPPVLLFYRGDLRLLKQPCLAVVGARQATHYSKQSLEQLLQGLTAT..TIISGLAQGAD   151
consensus                                          ****!  !!  !**** *! **!**!** *! *! *!*!!*!*** **   *  ** *!*   * **!!!! !*!

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NTDB id 1388 A4U84 RS04945 WP 062924099.1      GFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVIEATV   231
NTDB id 1399 DSB67 RS15600 WP 010645755.1      GHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRV.AENGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVVEAAE   235
NTDB id 599 KW2 RS05940 WP 021037268.1         TASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYL.AKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKL   225
NTDB id 1165592 AB3Y95 RS06900 WP 367297346.1  RMAHLTTLAAHGSTIAVIGTGLDVYYPRVNQALQQRI.ATTGLVLTEYPLGSSPQRHHFPERNRILAGLCQALCVTEARH   230
NTDB id 626 LCA RS04960 WP 011374694.1         AMAHEVALQRGLAPIGVIGTGINCSYPPQNEHLQQVV.AEKGLLLSEYALGTPARRYQFPARNKIIAGLCHSLIVTEARH   230
consensus                                      * *!  **   * *!*!*!*!**  !!  ** *** * *  *****!* **  * * *!! !!*!**!!* ***!*!!*

logo
NTDB id 1388 A4U84 RS04945 WP 062924099.1      NSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAI....AWQRQSVHIQPSLFDTKPKQAV   307
NTDB id 1399 DSB67 RS15600 WP 010645755.1      KSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQ...SLDLFSA......   306
NTDB id 599 KW2 RS05940 WP 021037268.1         RSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.......................   282
NTDB id 1165592 AB3Y95 RS06900 WP 367297346.1  HSGSLITANLALQANRNVLAVPGALWQPLSVGCNQLIAAGARPALSATDLLEELAII.......................   287
NTDB id 626 LCA RS04960 WP 011374694.1         KSGSLITANLALQANRNVYAIPGRIDQSLSQGCNQLIAAGATPLLDKNILIEELRYFD......................   288
consensus                                      *!!!!!!*  !!* *!***!*!* * ** * !***!!  !! ** * *******

logo
NTDB id 1388 A4U84 RS04945 WP 062924099.1      KSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT...   375
NTDB id 1399 DSB67 RS15600 WP 010645755.1      ........PIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG   369
NTDB id 599 KW2 RS05940 WP 021037268.1         ......................................................................   282
NTDB id 1165592 AB3Y95 RS06900 WP 367297346.1  ......................................................................   287
NTDB id 626 LCA RS04960 WP 011374694.1         ......................................................................   288
consensus
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X non conserved
X similar
X $\geq$50% conserved