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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1361 HI 0985 AAC22646.1          MNDITYTLLRLMQVPKLGGVGIDKILS.............NITLNELLNYDDVAF.........RQMGWGAIQIRRWFKP   58
NTDB id 1388 A4U84 RS04945 WP 062924099.1 .MTHLTKLLALLQVPQLGAQRIGRLLS.............EVDFGEFCQYDKTAL.........KQMGWNERQIQRWFNP   57
NTDB id 1094 KZH42 RS01320 WP 002224767.1 ....................MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNA   60
NTDB id 1089 NMB RS00600 WP 002224767.1  ....................MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNA   60
NTDB id 114 BSU 16110 NP 389493.1        .MDQAAVCLTICRINQ..LLSPSLLLKWWKADPSMSL.TSP.VLQ......TVTR......D.....QIKAA........   50
NTDB id 599 KW2 RS05940 WP 021037268.1   ..................MITNFDL.FRWKKAGMTNL.GVNKLLKFFRKYDRKIS.............L.........RQ   38
NTDB id 1250 GC085 RS13065 WP 027219989.1 .MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNL......M......FQLSSV.D.............LEEAGLPSWLAQ   53
NTDB id 1033949 SD311 RS05805 WP 318754858.1 ..............................................................................   0
NTDB id 40 MW RS06080 WP 000593192.1     ..................MIKLFLLKLYWAHFST......KQIHQFLMAYPNVIK...EE.G.....RKKDSYLCEWVNR   47
NTDB id 25 SA RS06185 WP 000593194.1     ..................MIKLFLLKLYWAHFST......KQIHQFLMAYPNVIK...EE.G.....RKKDSYLCEWVNR   47
consensus                                                   * *  *   *              *  *  *  *                     *  *  *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1361 HI 0985 AAC22646.1          .........EAKFIEPALVWSQ......KEGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQ.RQMAMVGSRYCT   122
NTDB id 1388 A4U84 RS04945 WP 062924099.1 .........EHKWIDQALQWAE......QDQQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSL.PQIAIVGSRDYS   121
NTDB id 1094 KZH42 RS01320 WP 002224767.1 EKRALA....RQAAEAALEWEM......RDGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHK.PSAAIVGSRHAT   129
NTDB id 1089 NMB RS00600 WP 002224767.1  EKRALA....RQAAEAALEWEM......RDGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHK.PSAAIVGSRHAT   129
NTDB id 114 BSU 16110 NP 389493.1        ALKNEIEQFYPKLPRV.....LAAYR..EQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPT   123
NTDB id 599 KW2 RS05940 WP 021037268.1   MGQVAQVKSIPNFIEQYKNQDVKKLRADYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAG   117
NTDB id 1250 GC085 RS13065 WP 027219989.1 TIKN....FDPDFIKTDLNWLS...S..SENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNAS   123
NTDB id 1033949 SD311 RS05805 WP 318754858.1 ..............................................................................   0
NTDB id 40 MW RS06080 WP 000593192.1     EENVHLLRKYYAFIKLDHNDIIKELQ..KLKVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDST   125
NTDB id 25 SA RS06185 WP 000593194.1     EENVLLLRKYYAFIKLDHNDIIKELQ..KLKVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDST   125
consensus                                   ***  *** *      **   **** * *** *** *   * *** **** ** * * *******  *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1361 HI 0985 AAC22646.1          TYGEYWAKHFATELSLAGFTITSGLALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLP   202
NTDB id 1388 A4U84 RS04945 WP 062924099.1 HYGEHWAGHFSAELVKHQLAVTSGLAIGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFP   201
NTDB id 1094 KZH42 RS01320 WP 002224767.1 PQAMRIAKDFGKSLGGKGIPVVSGMASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPI   208
NTDB id 1089 NMB RS00600 WP 002224767.1  PQAMRIAKDFGKSLGGKGIPVVSGMASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPI   208
NTDB id 114 BSU 16110 NP 389493.1        AYGKQVVNHLTKEICRKGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAK.HHILLSEHPP   202
NTDB id 599 KW2 RS05940 WP 021037268.1   QSGIKSVQKIVTEL.NQSFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAK.YQLVLSEYSL   195
NTDB id 1250 GC085 RS13065 WP 027219989.1 VTGNENARAFSREISRHGVSIVSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPL   202
NTDB id 1033949 SD311 RS05805 WP 318754858.1 ..............................................................................   0
NTDB id 40 MW RS06080 WP 000593192.1     SYTQQSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEE.KGLVISEYPP   204
NTDB id 25 SA RS06185 WP 000593194.1     SYTQQSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEE.KGLVISEYPP   204
consensus                                **   *  *  **  ********** **** ******   * *********** ***     **  * *  *********
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logo
NTDB id 1361 HI 0985 AAC22646.1              NQAPIAANFPRRNRIISGLSVGTLVVEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDI   282
NTDB id 1388 A4U84 RS04945 WP 062924099.1    SQPPIAENFPRRNRIISGLSLGTLVIEATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDI   281
NTDB id 1094 KZH42 RS01320 WP 002224767.1    GTRPYAGNFPRRNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDI   288
NTDB id 1089 NMB RS00600 WP 002224767.1      GTRPYAGNFPRRNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDI   288
NTDB id 114 BSU 16110 NP 389493.1            ETKPQKWHFPMRNRIISGLSEGVIVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDI   282
NTDB id 599 KW2 RS05940 WP 021037268.1       GEKPLKYHFPERNRIIAGLSRGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDI   275
NTDB id 1250 GC085 RS13065 WP 027219989.1    KSPPIAGHFPLRNRIISGLSLCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADV   282
NTDB id 1033949 SD311 RS05805 WP 318754858.1 ....................................MDCALEQNREIYVLPGSIYNPMVQGNLVSAQEGAKIVVKACDI    43
NTDB id 40 MW RS06080 WP 000593192.1         HTPIAKYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDI   284
NTDB id 25 SA RS06185 WP 000593194.1         HTPIAKYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDI   284
consensus                                     * * *  ** ********* ******* * ******** !*!* !*****!*** ** **!*******!!*** ** !*

logo
NTDB id 1361 HI 0985 AAC22646.1              LETLYQHS..IHSQT.EIDFDQIAVPN...........YTPPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFN   344
NTDB id 1388 A4U84 RS04945 WP 062924099.1    LEAIAWQRQSVHIQP.SL.FDTKP..K...........QAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATD   346
NTDB id 1094 KZH42 RS01320 WP 002224767.1    LNECPGLLQNTGASSYSIN...KGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLA   365
NTDB id 1089 NMB RS00600 WP 002224767.1      LNECPGLLQNTGASSYSIN...KGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLA   365
NTDB id 114 BSU 16110 NP 389493.1            FEELPERNVQY.....TEP...F.......................................................   297
NTDB id 599 KW2 RS05940 WP 021037268.1       LEEYLYN.......................................................................   282
NTDB id 1250 GC085 RS13065 WP 027219989.1    LDELKIEHHQF.....TSN...KP..............IFSLASGK............ENLVKFIGFETTTIDQIIDRSG   328
NTDB id 1033949 SD311 RS05805 WP 318754858.1 LEDYS............................................................................    48
NTDB id 40 MW RS06080 WP 000593192.1         FEDYYI........................................................................   290
NTDB id 25 SA RS06185 WP 000593194.1         FEDYYI........................................................................   290
consensus                                    ***             *                              *               *   *        * *

logo
NTDB id 1361 HI 0985 AAC22646.1              LSVDVLLVQLLDLELQDLIISENGLYKRV....   373
NTDB id 1388 A4U84 RS04945 WP 062924099.1    MAVETALIELLNLELLGVVKQVRGGYVIT....   375
NTDB id 1094 KZH42 RS01320 WP 002224767.1    MPAADLYAALLELELDGSVAAMPGGRYQRIRT.   397
NTDB id 1089 NMB RS00600 WP 002224767.1      MPAADLYAALLELELDGSVAAMPGGRYQRIRT.   397
NTDB id 114 BSU 16110 NP 389493.1            ................................   297
NTDB id 599 KW2 RS05940 WP 021037268.1       ................................   282
NTDB id 1250 GC085 RS13065 WP 027219989.1    YGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 1033949 SD311 RS05805 WP 318754858.1 ................................    48
NTDB id 40 MW RS06080 WP 000593192.1         ................................   290
NTDB id 25 SA RS06185 WP 000593194.1         ................................   290
consensus                                              *  ***    *     *
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X non conserved

X similar

X ≥ 50% conserved