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logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1     MLTQLSSHHYHTLKVWYLVQHSLVSFKKIIDYFGNCEKATQPDGLAKWSSLGLHANHLKRVNEFQTTQG.QAQFE.QLVQ   78
NTDB id 1043 HON27 RS16615 WP 168727007.1    MLTQLSSHQYHTLKVWYLVQHSLVSFKKIIDYFGNCEKATQPDGLAKWSSLGLHANHLKRVNEFQTPQG.QAQFE.QLVQ   78
NTDB id 1094 KZH42 RS01320 WP 002224767.1    ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALS.APAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1089 NMB RS00600 WP 002224767.1      ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALS.APAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1388 A4U84 RS04945 WP 062924099.1    .....MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGEF.CQ.YDKTALKQMGWNERQIQRWFNPE.....HKWIDQALQW   68
NTDB id 1361 HI 0985 AAC22646.1              ....MNDITYTLLRLMQVPKLGGVGIDKILSNITLNEL.LN.YDDVAFRQMGWGAIQIRRWFKPE.....AKFIEPALVW   69
NTDB id 1250 GCO85 RS13065 WP 027219989.1    .....MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNL.MF.....QLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLNW   69
NTDB id 1152 A1552VC RS00200 WP 000654772.1  ...MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQL.QS.FTPKQWLACGLKPEQLVFLTTQA.....AKQAEQCLQW   70
NTDB id 130794 IX92 RS15780 WP 043009568.1   ...MTKEELTAWLSLYFTPRIGPKTFQRLVAVDSPINI.ID.SSPETLRRLGFSDSQLDYLQHRA.....AEDIEACFEW   70
NTDB id 1399 DSB67 RS15600 WP 010645755.1    MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNI.VQ.YSTEQLQLLGLTAKQLQAWS.QV.....DKEVDACLTW   72
consensus                                          *****! * *** *** ** ***  *   ** **      **  ***   **  *            **  * *

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NTDB id 1073 ABD1 RS00865 WP 015451369.1     QVRQHTDFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQPQIAIVGSRKPSPHGRQVAYDFAYYLSEKGFFISSGLA  158
NTDB id 1043 HON27 RS16615 WP 168727007.1    QVRQHTDFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQPQIAIVGSRKPSPHGRQVAYDFAYYLSEKGFFISSGLA  158
NTDB id 1094 KZH42 RS01320 WP 002224767.1    EMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMA  155
NTDB id 1089 NMB RS00600 WP 002224767.1      EMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMA  155
NTDB id 1388 A4U84 RS04945 WP 062924099.1    AEQ.DQQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGLA  147
NTDB id 1361 HI 0985 AAC22646.1              SQK.EGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLA  148
NTDB id 1250 GCO85 RS13065 WP 027219989.1    LSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLA  149
NTDB id 1152 A1552VC RS00200 WP 000654772.1  RSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSGLA  150
NTDB id 130794 IX92 RS15780 WP 043009568.1   QAESSARTILPLSDQRYPALLKQADAAPAILFVEGQLESLSQPQMAIVGSRNASIDGLNTARSFATQLVNQDMVVTSGLA  150
NTDB id 1399 DSB67 RS15600 WP 010645755.1    VAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSGLA  152
consensus                                      * *   **** *  *! *!**  * !******!** ** ****!*!!!! **  * **** !* **   ** **!!*!

logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1     YGIDEAAHQGAS.AHQRTIAVTGTGLDTTYPAQNKKLAEYILAQNGAIITEFLPGTPPLQQHFPRRNRIVSGLSLGVLVV  237
NTDB id 1043 HON27 RS16615 WP 168727007.1    YGIDEAAHQGAS.THQRTIAVTGTGLDTTYPAQNKKLAEHILAKNGAIITEFLPGTPPLQQHFPRRNRIVSGLSLGVLVV  237
NTDB id 1094 KZH42 RS01320 WP 002224767.1    SGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV  234
NTDB id 1089 NMB RS00600 WP 002224767.1      SGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV  234
NTDB id 1388 A4U84 RS04945 WP 062924099.1    IGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVI  227
NTDB id 1361 HI 0985 AAC22646.1              LGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVV  228
NTDB id 1250 GCO85 RS13065 WP 027219989.1    LGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVI  228
NTDB id 1152 A1552VC RS00200 WP 000654772.1  LGIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGVVVV  229
NTDB id 130794 IX92 RS15780 WP 043009568.1   LGVDGYAHDGALNGNGQTIAVLGCGLNSVYPARHKKLAQRIVE.QGALVSEFHPNVKPKADNFPRRNRIISGLSLGVLVI  229
NTDB id 1399 DSB67 RS15600 WP 010645755.1    LGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVV  231
consensus                                    *!*!* *!****** * !*!!*!*!** *!!*****!** *** *!****!! * **!** *!!*!!!****!!****!*
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logo

NTDB id 1073 ABD1 RS00865 WP 015451369.1      EATLKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILIDHPEQIIEDLALPTQWQSQQQNQTE.......   310
NTDB id 1043 HON27 RS16615 WP 168727007.1     EATLKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILIDHPEQIIEDLALPTQWQSQQQNQTE.......   310
NTDB id 1094 KZH42 RS01320 WP 002224767.1     EAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKR   314
NTDB id 1089 NMB RS00600 WP 002224767.1       EAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKR   314
NTDB id 1388 A4U84 RS04945 WP 062924099.1     EATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEALAWQRQSVHIQPS.L.F....DT   301
NTDB id 1361 HI 0985 AAC22646.1               EATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS..IHSQTE.IDF....DQ   301
NTDB id 1250 GCO85 RS13065 WP 027219989.1     EAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQF..............T   294
NTDB id 1152 A1552VC RS00200 WP 000654772.1   EAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWS..............L   295
NTDB id 130794 IX92 RS15780 WP 043009568.1    EAAEKSGSLITARYAMEQGREVFAIPGSIHHPHARGCNLLIKQGACLVQQVSDITDEIDSLIRWS..............D   295
NTDB id 1399 DSB67 RS15600 WP 010645755.1     EAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWS..............I   297
consensus                                     !!***!!!!!!!**!*!****!***!*** ** * !** !** !! !** ********   ****

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NTDB id 1073 ABD1 RS00865 WP 015451369.1      ................EANTNTPEIREHLIDLYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLRC   374
NTDB id 1043 HON27 RS16615 WP 168727007.1     ................ETNTNTPEIPEHLIDLYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLRC   374
NTDB id 1094 KZH42 RS01320 WP 002224767.1     ITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR   394
NTDB id 1089 NMB RS00600 WP 002224767.1       ITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR   394
NTDB id 1388 A4U84 RS04945 WP 062924099.1     K....P..KQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT   375
NTDB id 1361 HI 0985 AAC22646.1               I....AVPNYTPPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV   373
NTDB id 1250 GCO85 RS13065 WP 027219989.1     .......SNK.....PIFSLASGKE.....NLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRC   357
NTDB id 1152 A1552VC RS00200 WP 000654772.1   .......SEQVPYQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRK   368
NTDB id 130794 IX92 RS15780 WP 043009568.1    .......VNKPPVQSDLFEQIDCKEELPFPQLLANVGSKATPVDILASRTNIPVHEVMMQLLELELSGHVVAVSGGYIRK   368
NTDB id 1399 DSB67 RS15600 WP 010645755.1     .......NQS....LDLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRK   366
consensus                                                    *     **      **  *****  *!***  ***** **** !**!!! * **** !*****

logo

NTDB id 1073 ABD1 RS00865 WP 015451369.1      RS..   376
NTDB id 1043 HON27 RS16615 WP 168727007.1     RS..   376
NTDB id 1094 KZH42 RS01320 WP 002224767.1     IRT.   397
NTDB id 1089 NMB RS00600 WP 002224767.1       IRT.   397
NTDB id 1388 A4U84 RS04945 WP 062924099.1     ....   375
NTDB id 1361 HI 0985 AAC22646.1               ....   373
NTDB id 1250 GCO85 RS13065 WP 027219989.1     EYER   361
NTDB id 1152 A1552VC RS00200 WP 000654772.1   GRG.   371
NTDB id 130794 IX92 RS15780 WP 043009568.1    GRG.   371
NTDB id 1399 DSB67 RS15600 WP 010645755.1     GRG.   369
consensus                                      *
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X non conserved

X similar

X ≥ 50% conserved