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logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1     MLTQLSSHHYHTLKVWYLVQHSLVSFKKIIDYFGNCEKATQPDGLAKWSSL.....GLHANHLKRVNEFQTTQGQAQFEQ   75
NTDB id 1021 ACIAD RS00975 WP 004930462.1    MITILSSHHYHTIKVWYVLQHSLSGFKKLIHYFGDCETALQPQRLSDWQKL.....GLHANHLKRLEEVHTLQGQQQFEK   75
NTDB id 1094 KZH42 RS01320 WP 002224767.1    ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSA.PAEQVAALIRHKQALEAWRNAEKRA....LARQAAEA   72
NTDB id 1089 NMB RS00600 WP 002224767.1      ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSA.PAEQVAALIRHKQALEAWRNAEKRA....LARQAAEA   72
NTDB id 1120 NGFG RS10355 WP 020997408.1     ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSA.PAEQVAPAVRHKHALEAWRNAEKRA....LARQAAEA   72
NTDB id 1122 OK783 RS09595 WP 003705341.1    ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSA.PAEQVAPAVRHKHALEAWRNAEKRA....LARQAAEA   72
NTDB id 1388 A4U84 RS04945 WP 062924099.1    .....MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGE..FCQYDKTALKQM.....GWNERQIQRWFN....PEHKWIDQ   64
NTDB id 1361 HI 0985 AAC22646.1              ....MNDITYTLLRLMQVPKLGGVGIDKILSNITLNE..LLNYDDVAFRQM.....GWGAIQIRRWFK....PEAKFIEP   65
NTDB id 1250 GC085 RS13065 WP 027219989.1    .....MNNLQPLLALNRMKRIGPRTVLKLQK.RWPDLNLMFQLSSVDLEEA.....GLPSWLAQTIKN....FDPDFIKT   65
NTDB id 1152 A1552VC RS00200 WP 000654772.1  ...MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQ..LQSFTPKQWLAC.....GLKPEQLVFLTT....QAAKQAEQ   66
NTDB id 73070 GZK95 RS00220 WP 075714835.1   ...MSSDLLRAWLTLYFTPRLGAKGLHTLLAKASPQA..LVSLDHQALQAL.....GLTASQAAFILM....DKHQYVEQ   66
NTDB id 1399 DSB67 RS15600 WP 010645755.1    MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSN..IVQYSTEQLQLL.....GLTAKQLQA.WS....QVDKEVDA   68
consensus                                       *     ****  *  *  *  ***  *    **          *        *  *      **  *             *     *

logo
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NTDB id 1021 ACIAD RS00975 WP 004930462.1    MLAQL.QTHTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQSLIQPQIAVVGSRKPSPHGRQVAYDFSYFLSEKGFYIT   154
NTDB id 1094 KZH42 RS01320 WP 002224767.1    ALEWEMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVV   151
NTDB id 1089 NMB RS00600 WP 002224767.1      ALEWEMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVV   151
NTDB id 1120 NGFG RS10355 WP 020997408.1     ALEWEMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTV   151
NTDB id 1122 OK783 RS09595 WP 003705341.1    ALEWEMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTV   151
NTDB id 1388 A4U84 RS04945 WP 062924099.1    ALQWAEQ.DQQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVT   143
NTDB id 1361 HI 0985 AAC22646.1              ALVWSQK.EGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTIT   144
NTDB id 1250 GC085 RS13065 WP 027219989.1    DLNWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIV   145
NTDB id 1152 A1552VC RS00200 WP 000654772.1  CLQWRSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVT   146
NTDB id 73070 GZK95 RS00220 WP 075714835.1   CIDWRDSADNHHIITLDDPLYPPLLAQLSIPPPVLFVKGEPSVLTTPQVALVGSRHATIDGLRNATYFAGELAQQGLTIT   146
NTDB id 1399 DSB67 RS15600 WP 010645755.1    CLTWVAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVT   148
consensus                                     * *     *   ****  *  *! *! *  * !******!**  *  * *!*!!!! **  *  *** !*  *   ** **

logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1     SGLAYGIDEAAHQGASA.HQRTIAVTGTGLDTTYPAQNKKLAEYILAQNGAIITEFLPGTPPLQQHFPRRNRIVSGLSLG   233
NTDB id 1021 ACIAD RS00975 WP 004930462.1    SGLAHGIDEAAHQGSLV.HHRAIAVVGTGLDLCYPSGNKALKQHIRDQGGAIVSEFLPGTPPLQAHFPRRNRIVSGLSLG   233
NTDB id 1094 KZH42 RS01320 WP 002224767.1    SGMASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIA.EKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQV   230
NTDB id 1089 NMB RS00600 WP 002224767.1      SGMASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIA.EKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQV   230
NTDB id 1120 NGFG RS10355 WP 020997408.1     SGMASGIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIA.EKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQV   230
NTDB id 1122 OK783 RS09595 WP 003705341.1    SGMASGIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIA.EKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQV   230
NTDB id 1388 A4U84 RS04945 WP 062924099.1    SGLAIGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLG   223
NTDB id 1361 HI 0985 AAC22646.1              SGLALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVG   224
NTDB id 1250 GC085 RS13065 WP 027219989.1    SGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQIT.ENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLC   224
NTDB id 1152 A1552VC RS00200 WP 000654772.1  SGLALGIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERII.AQGALVSEFAPHTPPKADHFPRRNRIISGLSLG   225
NTDB id 73070 GZK95 RS00220 WP 075714835.1   SGLALGVDGHAHDGALRQGGSTIAVLGCGLNTVYPARHKRLAQRIE.NQGALVSEFHPAILPKSANFPRRNRIISGLSLG   225
NTDB id 1399 DSB67 RS15600 WP 010645755.1    SGLALGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVA.ENGALVSEFRPDAKPRAENFPRRNRIISGLSLG   227
consensus                                    !!*! !*!  *!**** * * **!!*!*!** *!!   * !*  *    !****!! *** ! ***!!*!!!****!!**
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logo

NTDB id 1073 ABD1 RS00865 WP 015451369.1     VLVVEATLKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILIDHPEQIIEDLALPTQWQSQQQNQT....   309
NTDB id 1021 ACIAD RS00975 WP 004930462.1    VLVVEATLKSGSLITANKAAEQGKVVFAIPGHIYSEFHQGCHQLIREGAILVDHPEQIIEDLALPTHWHSQSTASGEANA   313
NTDB id 1094 KZH42 RS01320 WP 002224767.1    TLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSI...N   307
NTDB id 1089 NMB RS00600 WP 002224767.1      TLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSI...N   307
NTDB id 1120 NGFG RS10355 WP 020997408.1     TLVVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSI...N   307
NTDB id 1122 OK783 RS09595 WP 003705341.1    TLVVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSI...N   307
NTDB id 1388 A4U84 RS04945 WP 062924099.1    TLVIEATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQR.QSVHIQPSL.FDT   301
NTDB id 1361 HI 0985 AAC22646.1              TLVVEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS...IHSQTEIDFDQ   301
NTDB id 1250 GC085 RS13065 WP 027219989.1    ILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQ.......F.TSN   296
NTDB id 1152 A1552VC RS00200 WP 000654772.1  VVVVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSEQVPY.QAT   304
NTDB id 73070 GZK95 RS00220 WP 075714835.1   VLVVEATERSGSLITARYAAEQGRDVFALPGSIHSSQAKGCNQLIKQGACLIQTVEDIVNEIETLLRWSNHYMEKI.SPN   304
NTDB id 1399 DSB67 RS15600 WP 010645755.1    VLVVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQSLDL.FS.   305
consensus                                     *!*!!***!!!!!!!* !*!****!***!*** ** * !** !***!! !** ********   *  *       *   *

logo

NTDB id 1073 ABD1 RS00865 WP 015451369.1     ...............E.......EANTNTPEIREHLIDLYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQ   367
NTDB id 1021 ACIAD RS00975 WP 004930462.1    D..............D.......SGKTDDADLPDDLLPLYQLLDWQGQDLDQLAQHYQGSTAELTAQLMELELLGVCIQQ   372
NTDB id 1094 KZH42 RS01320 WP 002224767.1    KGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAM   387
NTDB id 1089 NMB RS00600 WP 002224767.1      KGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAM   387
NTDB id 1120 NGFG RS10355 WP 020997408.1     KDTPDTGRRTVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAM   385
NTDB id 1122 OK783 RS09595 WP 003705341.1    KDTPDTGRRAVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAM   385
NTDB id 1388 A4U84 RS04945 WP 062924099.1    KP..KQ...........AVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQV   368
NTDB id 1361 HI 0985 AAC22646.1              IAVPNY...........TPPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISE   366
NTDB id 1250 GC085 RS13065 WP 027219989.1    .......................KPIFSLA...SGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAV   350
NTDB id 1152 A1552VC RS00200 WP 000654772.1  .......................LFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAV   361
NTDB id 73070 GZK95 RS00220 WP 075714835.1   .......................GPIEKEPKEQLPFADLLANVGTQVTPVDILAQRTNIPVQEVMMQLLELELSGHVVAV   361
NTDB id 1399 DSB67 RS15600 WP 010645755.1    .......................AP...IDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAV   359
consensus                                                           *       *        **  ****   *!***    *** **   !**!!! * ****

logo

NTDB id 1073 ABD1 RS00865 WP 015451369.1     SGLYLRCRS..   376
NTDB id 1021 ACIAD RS00975 WP 004930462.1    SGRYLRCRSPY   383
NTDB id 1094 KZH42 RS01320 WP 002224767.1    PGGRYQRIRT.   397
NTDB id 1089 NMB RS00600 WP 002224767.1      PGGRYQRIRT.   397
NTDB id 1120 NGFG RS10355 WP 020997408.1     PGGRYQRIRT.   395
NTDB id 1122 OK783 RS09595 WP 003705341.1    PGGRYQRIRT.   395
NTDB id 1388 A4U84 RS04945 WP 062924099.1    RGGYVIT....   375
NTDB id 1361 HI 0985 AAC22646.1              NGLYKRV....   373
NTDB id 1250 GC085 RS13065 WP 027219989.1    PGGYIRCEYER   361
NTDB id 1152 A1552VC RS00200 WP 000654772.1  PGGYIRKGRG.   371
NTDB id 73070 GZK95 RS00220 WP 075714835.1   SGGYIRKGRG.   371
NTDB id 1399 DSB67 RS15600 WP 010645755.1    SGGYIRKGRG.   369
consensus                                     !***** *
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X non conserved

X similar

X ≥ 50% conserved