logo

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NTDB id 1073 ABD1 RS00865 WP 015451369.1     MLTQLSSHHYHTLKVWYLVQ.HSLVSFKKIIDYFGNCEKATQPDGL.....AKWSSLGLHANHLKRVNEFQTTQGQAQFE   74
NTDB id 1043 HON27 RS16615 WP 168727007.1    MLTQLSSHQYHTLKVWYLVQ.HSLVSFKKIIDYFGNCEKATQPDGL.....AKWSSLGLHANHLKRVNEFQTPQGQAQFE   74
NTDB id 1021 ACIAD RS00975 WP 004930462.1    MITILSSHHYHTIKVWYVLQ.HSLSGFKKLIHYFGDCETALQPQRL.....SDWQKLGLHANHLKRLEEVHTLQGQQQFE   74
NTDB id 1250 GCO85 RS13065 WP 027219989.1    .........MNNLQPLLALNRMKRIGPRTVLKLQKR...WPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFD....PDFIK   64
NTDB id 1388 A4U84 RS04945 WP 062924099.1    .........MTHLTKLLALLQVPQLGAQRIGRLLSE...VD.FGEFCQYDKTALKQMGWNERQIQRWFNPE....HKWID   63
NTDB id 1152 A1552VC RS00200 WP 000654772.1  .......MKDQDLAAWLALCFTPKLGSKTISHLLAT...RL.PAQLQSFTPKQWLACGLKPEQLVFLTTQA....AKQAE   65
NTDB id 72993 Vt282 RS00220 WP 162062262.1   .......MSNAALVAWLTLYSVPRLGIKGLQKLLAK...AS.PEQIVAWETMQLQASGLTAAQVKAITHPN....QRYLE   65
NTDB id 1399 DSB67 RS15600 WP 010645755.1    ....MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSK...DT.PSNIVQYSTEQLQLLGLTAKQLQAWSQV.....DKEVD   67
consensus                                                 *  ** *     ** *** * *       *  *          *!* *  *  *          *
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NTDB id 1073 ABD1 RS00865 WP 015451369.1     QLVQQ.VRQHTDFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQPQIAIVGSRKPSPHGRQVAYDFAYYLSEKGFFI   153
NTDB id 1043 HON27 RS16615 WP 168727007.1    QLVQQ.VRQHTDFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQPQIAIVGSRKPSPHGRQVAYDFAYYLSEKGFFI   153
NTDB id 1021 ACIAD RS00975 WP 004930462.1    KMLAQ.LQTHTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQSLIQPQIAVVGSRKPSPHGRQVAYDFSYFLSEKGFYI   153
NTDB id 1250 GCO85 RS13065 WP 027219989.1    TDLNWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSRELSRHGVSI   144
NTDB id 1388 A4U84 RS04945 WP 062924099.1    QALQWAEQD.QQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAV   142
NTDB id 1152 A1552VC RS00200 WP 000654772.1  QCLQWRSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVV   145
NTDB id 72993 Vt282 RS00220 WP 162062262.1   SCLQWQAQSPHHHILTLDDSRYPFRLKQIPDPPLLFVQGDPSKLSLPQVAMVGSRHASIDGLNSAQYFAAATAEQGLVV   145
NTDB id 1399 DSB67 RS15600 WP 010645755.1    ACLTWVAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIV   147
consensus                                      ***         !*! **  !!  !*   * !**** *!     * *!**!*!!!!  !  ! * *  !*  *   ** *
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NTDB id 1073 ABD1 RS00865 WP 015451369.1     SSGLAYGIDEAAHQGASA.HQRTIAVTGTGLDTTYPAQNKKLAEYILAQNGAIITEFLPGTPPLQQHFPRRNRIVSGLSL   232
NTDB id 1043 HON27 RS16615 WP 168727007.1    SSGLAYGIDEAAHQGAST.HQRTIAVTGTGLDTTYPAQNKKLAEHILAKNGAIITEFLPGTPPLQQHFPRRNRIVSGLSL   232
NTDB id 1021 ACIAD RS00975 WP 004930462.1    TSGLAHGIDEAAHQGSLV.HHRAIAVVGTGLDLCYPSGNKALKQHIRDQGGAIVSEFLPGTPPLQAHFPRRNRIVSGLSL   232
NTDB id 1250 GCO85 RS13065 WP 027219989.1    VSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQIT.ENGLLLSEFPLKSPPIAGHFPLRNRIISGLSL   223
NTDB id 1388 A4U84 RS04945 WP 062924099.1    TSGLAIGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSL   222
NTDB id 1152 A1552VC RS00200 WP 000654772.1  TSGLALGIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERII.AQGALVSEFAPHTPPKADHFPRRNRIISGLSL   224
NTDB id 72993 Vt282 RS00220 WP 162062262.1   TSGLALGVDGHAHDGALKAGGDTLAVLGCGLNTIYPARHRQLATRIE.QQGALISEFPPDILPKAANFPRRNRIISGLSL   224
NTDB id 1399 DSB67 RS15600 WP 010645755.1    TSGLALGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVA.ENGALVSEFRPDAKPRAENFPRRNRIISGLSL   226
consensus                                    *!!!!*!*!*  *!  ***   ***!!*!*!** *!!* **  !** *    *!*****!! * **!** *!!*!!!!*!!!!!
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logo

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NTDB id 1073 ABD1 RS00865 WP 015451369.1     GVLVVEATLKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILLIDHPEQIIEDLALPTQWQSQQQNQT...   309
NTDB id 1043 HON27 RS16615 WP 168727007.1    GVLVVEATLKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILLIDHPEQIIEDLALPTQWQSQQQNQT...   309
NTDB id 1021 ACIAD RS00975 WP 004930462.1    GVLVVEATLKSGSLITANKAAEQGKVVFAIPGHIYSEFHQGCHQLIREGAILVDHPEQIIEDLALPTHWHSQSTASGEAN   312
NTDB id 1250 GCO85 RS13065 WP 027219989.1    CTLVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQF.....TSNKP   298
NTDB id 1388 A4U84 RS04945 WP 062924099.1    GTLVIEATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAI....AWQRQS.VHIQPS   297
NTDB id 1152 A1552VC RS00200 WP 000654772.1  GVVVVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSEQVPYQAT   304
NTDB id 72993 Vt282 RS00220 WP 162062262.1   AVLVVEATEKSGSLITARFAAEHGRDVFALPGSIHTPQARGCNQLIKQGACLVQTPQDIFDEIDSLIRWSDSYIASEQNQ   304
NTDB id 1399 DSB67 RS15600 WP 010645755.1    GVLVVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQSLD....   302
consensus                                    ***!*!!**********!!!!!!!* !*!*****!***!***      !***!**  !!  !*     *****      *  *
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NTDB id 1073 ABD1 RS00865 WP 015451369.1      ..EE........ANTNTPEIREHLID...LYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLRCRS   376
NTDB id 1043 HON27 RS16615 WP 168727007.1     ..EE........TNTNTPEIPEHLID...LYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLRCRS   376
NTDB id 1021 ACIAD RS00975 WP 004930462.1     ADDS........GKTDDADLPDDLLP...LYQLLDWQGQDLDQLAQHYQGSTAELTAQLMELELLGVCIQQSGRYLRCRS   381
NTDB id 1250 GCO85 RS13065 WP 027219989.1     IFS.....................LASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEY   359
NTDB id 1388 A4U84 RS04945 WP 062924099.1     LFDTKPKQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT..   375
NTDB id 1152 A1552VC RS00200 WP 000654772.1   LFSAVQSD..............EELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRKGR   370
NTDB id 72993 Vt282 RS00220 WP 162062262.1    NLLTKETK..............EQLPFAELLANLGTKVTPVDILAQRTNIPVQEVMMQLLELELSGHVVAVSGGYIRNGR   370
NTDB id 1399 DSB67 RS15600 WP 010645755.1     LFSAPIDE..............EELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGR   368
consensus                                                            *    !   *   *  *! **  ***** **    !**!!!*! ** **!*!**
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logo

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NTDB id 1073 ABD1 RS00865 WP 015451369.1      ..   376
NTDB id 1043 HON27 RS16615 WP 168727007.1     ..   376
NTDB id 1021 ACIAD RS00975 WP 004930462.1     PY   383
NTDB id 1250 GCO85 RS13065 WP 027219989.1     ER   361
NTDB id 1388 A4U84 RS04945 WP 062924099.1     ..   375
NTDB id 1152 A1552VC RS00200 WP 000654772.1   G.   371
NTDB id 72993 Vt282 RS00220 WP 162062262.1    G.   371
NTDB id 1399 DSB67 RS15600 WP 010645755.1     G.   369
consensus
```

X non conserved
X similar
X ≥ 50% conserved