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logo
NTDB id 1021 ACIAD RS00975 WP 004930462.1      MITILSSHHYHTIKVWYVLQH.SLSGFKKLIHYFGD.CETALQPQRLSDWQKLGLHANHLKRLEEVHTL.QGQQQFEKML   77
NTDB id 1388 A4U84 RS04945 WP 062924099.1      ........MTH.LTKLLALLQVPQLGAQRIGRLLSEVDFGEFCQYDKTALKQMGWNERQIQRWFNPEHK.....WIDQAL   66
NTDB id 1051016 O1Q80 RS01560 WP 386695251.1  ........MQN.IELLLRLMQVPNLGANAIQEILTQITPQTLLDYDETAFHHIGWQAKQIQRWFHPEQK.....YIEPAL   66
NTDB id 1361 HI 0985 AAC22646.1                ........MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDVAFRQMGWGAIQIRRWFKPEAK.....FIEPAL   67
NTDB id 1250 GC085 RS13065 WP 027219989.1      ........MNN.LQPLLALNRMKRIGPRTVLKLQK.RWPDLNLMF...QLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDL   67
NTDB id 1399 DSB67 RS15600 WP 010645755.1      ...MTPQNDID.LAAWLKLSCLPGIGGVKMNKLLSKDTPSNIVQYSTEQLQLLGLTAKQLQAW.SQVDK.....EVDACL   70
NTDB id 1152 A1552VC RS00200 WP 000654772.1    ......MKDQD.LAAWLALCFTPKLGSKTISHLLATRLPAQLQSFTPKQWLACGLKPEQLVFLTTQAAK.....QAEQCL   68
consensus                                          **  *  ** !  ** *!*  * ****   *  ** *    *  *** * ** **     *     ***  !

logo
NTDB id 1021 ACIAD RS00975 WP 004930462.1      AQLQ.THTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQSLIQPQIAVVGSRKPSPHGRQVAYDFSYFLSEKGFYITSG   156
NTDB id 1388 A4U84 RS04945 WP 062924099.1      QWAEQDQQ.QILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSG   145
NTDB id 1051016 O1Q80 RS01560 WP 386695251.1  EWQQTDTNHHIVAYYQAEYPQLLKQINSVPPLLFVKGNVENLNLAQLAIVGSRDCSNYGEYWAKYFATELIRSGFIVTSG   146
NTDB id 1361 HI 0985 AAC22646.1                VWSQKEGN.HLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCITYGEYWAKHFATELSLAGFTITSG   146
NTDB id 1250 GC085 RS13065 WP 027219989.1      NWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSG   147
NTDB id 1399 DSB67 RS15600 WP 010645755.1      TWVAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSG   150
NTDB id 1152 A1552VC RS00200 WP 000654772.1    QWRSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSG   148
consensus                                       *     * ****   * !! *!*** * !**!***! *   * ****!*!!!!   *   !    ** !****    ** **!!

logo
NTDB id 1021 ACIAD RS00975 WP 004930462.1      LAHGIDEAAHQGSLV.HHRAIAVVGTGLDLCYPSGNKALKQHIRDQGGAIVSEFLPGTPPLQAHFPRRNRIVSGLSLGVL   235
NTDB id 1388 A4U84 RS04945 WP 062924099.1      LAIGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTL   225
NTDB id 1051016 O1Q80 RS01560 WP 386695251.1  LAIGIDGFAHKAVVEMQSKTIAVLGSGLQQIYPSRHKGLAEQILVNNGTLVSEFLPNQPPVATNFPRRNRIISGMSQGVL   226
NTDB id 1361 HI 0985 AAC22646.1                LALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTL   226
NTDB id 1250 GC085 RS13065 WP 027219989.1      LALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCTL   226
NTDB id 1399 DSB67 RS15600 WP 010645755.1      LALGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAENFPRRNRIISGLSLGVL   229
NTDB id 1152 A1552VC RS00200 WP 000654772.1    LALGIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGVV   227
consensus                                      !!*!!!* *!  * *  *****!!*!*!****!!  ****!******* *!***!!!  *   *!**  *!!*!!!!*!!*!****

logo
NTDB id 1021 ACIAD RS00975 WP 004930462.1      VVEATLKSGSLITANKAAEQGKVVFAIPGHIYSEFHQGCHQLIREGAILVDHPEQIIEDLALPTHWHSQSTASGEANAD.   314
NTDB id 1388 A4U84 RS04945 WP 062924099.1      VIEATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEATAWQRQSVHIQPSLFDTK..P   303
NTDB id 1051016 O1Q80 RS01560 WP 386695251.1  VVEANQKSGSLITARYALEQNRDVFALPGNLHNQYSQGCHHLIKQGANLVESVQDIIENLAPYSLPMNG.......FAPN   299
NTDB id 1361 HI 0985 AAC22646.1                VVEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEID.FDQIAVP   305
NTDB id 1250 GC085 RS13065 WP 027219989.1      VIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQ..............   292
NTDB id 1399 DSB67 RS15600 WP 010645755.1      VVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSI...........N   298
NTDB id 1152 A1552VC RS00200 WP 000654772.1    VVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSL...........S   296
consensus                                      !*!!  *!!!!!!!*!*!!***!***!*** *  **!** !***!! !!* * ******
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logo

NTDB id 1021 ACIAD RS00975 WP 004930462.1      ....DSGKTDDA...DLPDDLLPLYQLLDWQGQDLDQLAQHYQGSTAELTAQLMELELLGVCIQQSGRYLRCRSPY   383
NTDB id 1388 A4U84 RS04945 WP 062924099.1      KQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT....   375
NTDB id 1051016 O1Q80 RS01560 WP 386695251.1  TTSQNTELPFN....VIEPTYPDLYALIGYNPISIDELAEQSKISVDILLGQLLTLELEELIECEKGLYKRRL...   368
NTDB id 1361 HI 0985 AAC22646.1                NYTPPPDPRRL....VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV....   373
NTDB id 1250 GC085 RS13065 WP 027219989.1      ..FTSNKPIFSLASGK.....ENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 1399 DSB67 RS15600 WP 010645755.1      QSL....DLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG.   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1   EQVPYQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRKGRG.   371
consensus                                                *     *     * !*  ****  **! **  *** ** ****!**!!! **** * !*!**
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X non conserved

X similar

X $\geq$ 50% conserved