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logo
NTDB id 1155066 QML80 RS02340 WP 281957854.1  MSRRKNSNTIMKRFG..IGICSGVIGGALAFGGLYAVTGMNHTTSSTGIQSAQTETKVKNVKYNVESDVTKAVSKVQGAV   78
NTDB id 381 SMU RS09890 WP 002262650.1        .MNNTKSHPFLKWFIPFLVIFLTFILGVISTLTFNWITGN.....KSFSNNGK..TTVSNVIYDTKSNTTKAVKNVKNTV   72
NTDB id 425 SGO RS10525 WP 012131081.1        ..MKNSSNFFKKTLQVFIVLLVGFIGGVAGTWGFSYFSTP.....HSATNNNQKTATTVTTSYKNSNSTTEAVDKVKDAV   73
NTDB id 539 SM12261 RS09395 WP 000681587.1    ..MKHLKTFYKKGFQLLVVIVISFFSGALGSFSINQLTQK.....STEST.SNNNSTITQTAYKNENSTTQAVNKVKDAV   72
NTDB id 256 KZH43 RS10270 WP 000681597.1      ..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQK.....SSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAV   72
NTDB id 215 SPD RS10945 WP 000681597.1        ..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQK.....SSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAV   72
NTDB id 181 SPR RS10425 WP 000681597.1        ..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQK.....SSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAV   72
NTDB id 145 SP RS11450 WP 000681597.1         ..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQK.....SSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAV   72
consensus                                       *********!**************!************      **   *  ***********!******!*!!**!***!

logo
NTDB id 1155066 QML80 RS02340 WP 281957854.1  VSIINLQNQNAQGTGSLEDFFGAQQGNSSSQNSGTLETASEGSGVIYKKEGKHAYIVTNNHVVEGQNALQVLLADGTKVD   158
NTDB id 381 SMU RS09890 WP 002262650.1        VSVINYQKTDNSY.....YNYDSGSQE.KNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAEKLEIMMANGKKVV   146
NTDB id 425 SGO RS10525 WP 012131081.1        VSVITYSESNSDA.....IF.....DN.NNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAKKVDIRLADGNKVP   142
NTDB id 539 SM12261 RS09395 WP 000681587.1    VSVITYSANRQNS.....VF.....GN.DDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVP   141
NTDB id 256 KZH43 RS10270 WP 000681597.1      VSVITYSANRQNS.....VF.....GN.DDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVP   141
NTDB id 215 SPD RS10945 WP 000681597.1        VSVITYSANRQNS.....VF.....GN.DDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVP   141
NTDB id 181 SPR RS10425 WP 000681597.1        VSVITYSANRQNS.....VF.....GN.DDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVP   141
NTDB id 145 SP RS11450 WP 000681597.1         VSVITYSANRQNS.....VF.....GN.DDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVP   141
consensus                                     !!*!*********     **     **  ******** ***!!!!!!!*!****!!*!!!*!!*************!*!!*

logo
NTDB id 1155066 QML80 RS02340 WP 281957854.1  AELVGTDSYTDLAVIKIASDKVSTVATFGDSDSLKVGEPAIAIGSPLGTDYANSVTEGIISSLNRQVVSENDSGQEVNIN   238
NTDB id 381 SMU RS09890 WP 002262650.1        GKLVGSDTYSDLAVIKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVTSQNENGETISTN   226
NTDB id 425 SGO RS10525 WP 012131081.1        GEIVGTDTYSDISVVRIPADKVKNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNVSSRSEDGQTIATQ   222
NTDB id 539 SM12261 RS09395 WP 000681587.1    GEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTK   221
NTDB id 256 KZH43 RS10270 WP 000681597.1      GEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTK   221
NTDB id 215 SPD RS10945 WP 000681597.1        GEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTK   221
NTDB id 181 SPR RS10425 WP 000681597.1        GEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTK   221
NTDB id 145 SP RS11450 WP 000681597.1         GEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTK   221
consensus                                     ***!!*!***!**!**!****!**!!*!**!****!!!*!!!!!!!!!*!!!*!!*!!*!!!*!*!******!******

logo
NTDB id 1155066 QML80 RS02340 WP 281957854.1  AIQTDAAINPGNSGGPLINIAGQVIGINSSKIATTSTSSSGVSVEGMGFAIPSNDVVNIINQLEQSGKVTRPALGVRTVD   318
NTDB id 381 SMU RS09890 WP 002262650.1        AIQTDAAINPGNSGGALINIKGQVIGINSSKIASSNNSNSGVAVEGMGFAIPSNDVVSIINQLEENGEVVRPALGISMAN   306
NTDB id 425 SGO RS10525 WP 012131081.1        AIQTDAAINPGNSGGPLVNIQGQVIGITSSKIANTNN..GSTSVEGMGFAIPSNDVVNIIEQLEKNGKVIRPALGIQMVN   300
NTDB id 539 SM12261 RS09395 WP 000681587.1    AIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVN   297
NTDB id 256 KZH43 RS10270 WP 000681597.1      AIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVN   297
NTDB id 215 SPD RS10945 WP 000681597.1        AIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVN   297
NTDB id 181 SPR RS10425 WP 000681597.1        AIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVN   297
NTDB id 145 SP RS11450 WP 000681597.1         AIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVN   297
consensus                                     !!!!!*!!!!!!!!!*!*!!*!!!!!!*!!!!!*  *  ****!!!*!!!!!*!!***!!*!!!**!*!*!!!!!*****
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NTDB id 1155066 QML80 RS02340 WP 281957854.1  LNALSDQQKTNILKVPASLNEGVVLAQVNSATPAEKAGLKQYDVITEIDGEKVNDGTALRAALYKKQVGDSIKVTYYRGN   398
NTDB id 381 SMU RS09890 WP 002262650.1        LSEASTSG.RDTLKIPSDVTSGIVVLSTQSGMPAD.GKLKKYDVITEIDGKKVASISDLQSILYKHKKGDKIKLTFYREK   384
NTDB id 425 SGO RS10525 WP 012131081.1        LSSLSSSS.SDRLKLPDNVKNGVVVRSTQTGMPAD.GKLEKYDVITKIDDTEISSASDIQSALYKHSINEEIKVTYYRDG   378
NTDB id 539 SM12261 RS09395 WP 000681587.1    LSNINTSD.IRRLNIPSNVTSGVVVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNG   375
NTDB id 256 KZH43 RS10270 WP 000681597.1      LSNVSTSD.IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNG   375
NTDB id 215 SPD RS10945 WP 000681597.1        LSNVSTSD.IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNG   375
NTDB id 181 SPR RS10425 WP 000681597.1        LSNVSTSD.IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNG   375
NTDB id 145 SP RS11450 WP 000681597.1         LSNVSTSD.IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNG   375
consensus                                     !******* ***!**!*****!***********!!* **!**!!!!!**!*************!!*******!!*!*!!**

logo

NTDB id 1155066 QML80 RS02340 WP 281957854.1  DKKTTTVHLTVDQSINE..   415
NTDB id 381 SMU RS09890 WP 002262650.1        DKQTVEIQLTKTSQDLNH.   402
NTDB id 425 SGO RS10525 WP 012131081.1        KEQTTTIKLTKSTDDLSSE   397
NTDB id 539 SM12261 RS09395 WP 000681587.1    KEETTSIKLDKSSGDLES.   393
NTDB id 256 KZH43 RS10270 WP 000681597.1      KEETTSIKLNKSSGDLES.   393
NTDB id 215 SPD RS10945 WP 000681597.1        KEETTSIKLNKSSGDLES.   393
NTDB id 181 SPR RS10425 WP 000681597.1        KEETTSIKLNKSSGDLES.   393
NTDB id 145 SP RS11450 WP 000681597.1         KEETTSIKLNKSSGDLES.   393
consensus                                     ***!****! ********
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X non conserved

X similar

X ≥ 50% conserved