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logo
NTDB id 259120 CXM95 RS12680 WP 086297606.1  MSRKYVTPGKKTSPGLLKRLGIGILGGMVGGLLTFGGLYLAMGSSLTSTPETTTNSGVQDSNGQTQVSNVKLDVTSDVTE   80
NTDB id 381 SMU RS09890 WP 002262650.1       MNNTKSHPFLKWFI.PFLVIFLTFILGVI...STLTFNWITG.......NKSF....SNNGK..TTVSNVIYDTKSNTTK   63
NTDB id 425 SGO RS10525 WP 012131081.1       .MKNSSNFFKKTLQ.VFIVLLVGFIGGVA...GTWGFSYFST.......PHSA....TNNNQKTATTVTTSYKNSNSTTE   64
NTDB id 539 SM12261 RS09395 WP 000681587.1   .MKHLKTFYKKGFQ.LLVVIVISFFSGAL...GSFSINQLTQ.......KSTE....ST.SNNNSTITQTAYKNENSTTQ   63
NTDB id 256 KZH43 RS10270 WP 000681597.1     .MKHLKTFYKKWFQ.LLVVIVISFFSGAL...GSFSITQLTQ.......KSSV....NN.SNNNSTITQTAYKNENSTTQ   63
NTDB id 215 SPD RS10945 WP 000681597.1       .MKHLKTFYKKWFQ.LLVVIVISFFSGAL...GSFSITQLTQ.......KSSV....NN.SNNNSTITQTAYKNENSTTQ   63
NTDB id 181 SPR RS10425 WP 000681597.1       .MKHLKTFYKKWFQ.LLVVIVISFFSGAL...GSFSITQLTQ.......KSSV....NN.SNNNSTITQTAYKNENSTTQ   63
NTDB id 145 SP RS11450 WP 000681597.1        .MKHLKTFYKKWFQ.LLVVIVISFFSGAL...GSFSITQLTQ.......KSSV....NN.SNNNSTITQTAYKNENSTTQ   63
consensus                                     *********!***  ***********!**    **********        ***      *  ******************!*

logo
NTDB id 259120 CXM95 RS12680 WP 086297606.1  AVEKVQDSVVSIINLQQSQSNDWNSLFGQQGGQSEGDSQSEDDSALEASSEGSGVIYKIDGDDAYVVTNNHVVEGQDGLE  160
NTDB id 381 SMU RS09890 WP 002262650.1       AVKNVKNTVVSVINYQKTDNSYYNYDSGSQ.......EKNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAEKLE  136
NTDB id 425 SGO RS10525 WP 012131081.1       AVDKVKDAVVSVITYSESNSDAIF.....D.......NNNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAKKVD  132
NTDB id 539 SM12261 RS09395 WP 000681587.1   AVNKVKDAVVSVITYSANRQNSVF.....G.......NDDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVD  131
NTDB id 256 KZH43 RS10270 WP 000681597.1     AVNKVKDAVVSVITYSANRQNSVF.....G.......NDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVD  131
NTDB id 215 SPD RS10945 WP 000681597.1       AVNKVKDAVVSVITYSANRQNSVF.....G.......NDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVD  131
NTDB id 181 SPR RS10425 WP 000681597.1       AVNKVKDAVVSVITYSANRQNSVF.....G.......NDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVD  131
NTDB id 145 SP RS11450 WP 000681597.1        AVNKVKDAVVSVITYSANRQNSVF.....G.......NDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVD  131
consensus                                    !!**!***!!!*!***********     *       ********* ***!!!!!!!**********!!*!!!*!!********

logo
NTDB id 259120 CXM95 RS12680 WP 086297606.1  VVLADGTKVKAELVGTDSYTDLAVLKISSEKVTTAATFGDSSALKVGEPAIAIGSPLGSDYANSVTQGIVSSLNRQVTSQ  240
NTDB id 381 SMU RS09890 WP 002262650.1       IMMANGKKVVGKLVGSDTYSDLAVIKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVTSQ  216
NTDB id 425 SGO RS10525 WP 012131081.1       IRLADGNKVPGEIVGTDTYSDISVVRIPADKVKNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNVSSR  212
NTDB id 539 SM12261 RS09395 WP 000681587.1   IRLSDGTKVPGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLK  211
NTDB id 256 KZH43 RS10270 WP 000681597.1     IRLSDGTKVPGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLK  211
NTDB id 215 SPD RS10945 WP 000681597.1       IRLSDGTKVPGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLK  211
NTDB id 181 SPR RS10425 WP 000681597.1       IRLSDGTKVPGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLK  211
NTDB id 145 SP RS11450 WP 000681597.1        IRLSDGTKVPGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLK  211
consensus                                    *****!*!!****!!*!***!**!**!****!***!*!**!****!!!*!!!!!!!!!!*!!!*!!*!!!!!!*!*!***

logo
NTDB id 259120 CXM95 RS12680 WP 086297606.1  NESGGTISINAIQTDAAINPGNSGGPLINVDGQVIGINSSKIASTSGSASGVSVEGMGFAIPSNDVVEIINQLEADGKVV  320
NTDB id 381 SMU RS09890 WP 002262650.1       NENGETISTNAIQTDAAINPGNSGGALINIKGQVIGINSSKIASSNNSNSGVAVEGMGFAIPSNDVVSIINQLEENGEVV  296
NTDB id 425 SGO RS10525 WP 012131081.1       SEDGQTIATQAIQTDAAINPGNSGGPLVNIQGQVIGITSSKIANTNN..GSTSVEGMGFAIPSNDVVNIIEQLEKNGKVI  290
NTDB id 539 SM12261 RS09395 WP 000681587.1   SEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVT  287
NTDB id 256 KZH43 RS10270 WP 000681597.1     SEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVT  287
NTDB id 215 SPD RS10945 WP 000681597.1       SEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVT  287
NTDB id 181 SPR RS10425 WP 000681597.1       SEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVT  287
NTDB id 145 SP RS11450 WP 000681597.1        SEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVT  287
consensus                                    *!*!**!***!!!!!*!!!!!!!!!*!*!**!!!!!!*!!!!!*  *  ****!!!*!!!!!*!!***!!*!!!**!*!*
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logo

NTDB id 259120 CXM95 RS12680 WP 086297606.1  RPALGIQTIDLGSITSQQQEQILKVPSSVTSGVVIYSVNNATPAEQAGLQQYDVITKIDDTEVSTTTDLQSALYKHKVGD  400
NTDB id 381 SMU RS09890 WP 002262650.1       RPALGISMANLSEASTS.GRDTLKIPSDVTSGIVVLSTQSGMPAD.GKLKKYDVITEIDGKKVASISDLQSILYKHKKGD  374
NTDB id 425 SGO RS10525 WP 012131081.1       RPALGIQMVNLSSLSSS.SSDRLKLPDNVKNGVVVRSTQTGMPAD.GKLEKYDVITKIDDTEISSASDIQSALYKHSINE  368
NTDB id 539 SM12261 RS09395 WP 000681587.1   RPALGIQMVNLSNINTS.DIRRLNIPSNVTSGVVVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGD  365
NTDB id 256 KZH43 RS10270 WP 000681597.1     RPALGIQMVNLSNVSTS.DIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGD  365
NTDB id 215 SPD RS10945 WP 000681597.1       RPALGIQMVNLSNVSTS.DIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGD  365
NTDB id 181 SPR RS10425 WP 000681597.1       RPALGIQMVNLSNVSTS.DIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGD  365
NTDB id 145 SP RS11450 WP 000681597.1        RPALGIQMVNLSNVSTS.DIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGD  365
consensus                                    !!!!!!****!******  ****!**!**!**!****!*****!!*  **!**!!!!!**!********!*!!*!!*!****

logo

NTDB id 259120 CXM95 RS12680 WP 086297606.1  TITVTFYRGDEEKTAEVKLSVDTSINEQSTDSSN  434
NTDB id 381 SMU RS09890 WP 002262650.1       KIKLTFYREKDKQTVEIQLTKTSQDLNH......  402
NTDB id 425 SGO RS10525 WP 012131081.1       EIKVTYYRDGKEQTTTIKLTKSTDDLSSE.....  397
NTDB id 539 SM12261 RS09395 WP 000681587.1   TIKITYYRNGKEETTSIKLDKSSGDLES......  393
NTDB id 256 KZH43 RS10270 WP 000681597.1     TIKITYYRNGKEETTSIKLNKSSGDLES......  393
NTDB id 215 SPD RS10945 WP 000681597.1       TIKITYYRNGKEETTSIKLNKSSGDLES......  393
NTDB id 181 SPR RS10425 WP 000681597.1       TIKITYYRNGKEETTSIKLNKSSGDLES......  393
NTDB id 145 SP RS11450 WP 000681597.1        TIKITYYRNGKEETTSIKLNKSSGDLES......  393
consensus                                    *!**!*!!*****!****!  ********
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X non conserved

X similar

X $\geq$ 50% conserved