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logo
NTDB id 325716 EGX75 RS06470 WP 002368406.1  MQRKDVTPNSDKKSLLQKFG...IGLAGGLLGGALILGGAYSGIIPTPNGGNNAATTTSTNHGDTKVSNVSYNVSSDVTK   77
NTDB id 381 SMU RS09890 WP 002262650.1       MNNTKSHPF...LKWFIPFLVIFLTFILGVISTL...TFN...WITGNKS......FSNNGK..TTVSNVIYDTKSNTTK   63
NTDB id 425 SGO RS10525 WP 012131081.1       .MKNSSNFF...KKTLQVFIVLLVGFIGGVAGTW...GFS...YFSTPHS......ATNNNQKTATTVTTSYKNSNSTTE   64
NTDB id 539 SM12261 RS09395 WP 000681587.1   .MKHLKTFY...KKGFQLLVVIVISFFSGALGSF...SIN...QLTQKST......EST.SNNNSTITQTAYKNENSTTQ   63
NTDB id 256 KZH43 RS10270 WP 000681597.1     .MKHLKTFY...KKWFQLLVVIVISFFSGALGSF...SIT...QLTQKSS......VNN.SNNNSTITQTAYKNENSTTQ   63
NTDB id 215 SPD RS10945 WP 000681597.1       .MKHLKTFY...KKWFQLLVVIVISFFSGALGSF...SIT...QLTQKSS......VNN.SNNNSTITQTAYKNENSTTQ   63
NTDB id 181 SPR RS10425 WP 000681597.1       .MKHLKTFY...KKWFQLLVVIVISFFSGALGSF...SIT...QLTQKSS......VNN.SNNNSTITQTAYKNENSTTQ   63
NTDB id 145 SP RS11450 WP 000681597.1        .MKHLKTFY...KKWFQLLVVIVISFFSGALGSF...SIT...QLTQKSS......VNN.SNNNSTITQTAYKNENSTTQ   63
consensus                                     ********   ****************!*****   ***   *******        *  ************!******!*

logo
NTDB id 325716 EGX75 RS06470 WP 002368406.1  AVKKVQNSVVSVINMQSASNNSSADDPFGGLFGGNEGTQDSSGNNGNDLEAASEGSGVIYKKDGKTAYVVTNNHVVDKAQ  157
NTDB id 381 SMU RS09890 WP 002262650.1       AVKNVKNTVVSVINYQKTDNSYYNYDS.........GS.QEKNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAE  133
NTDB id 425 SGO RS10525 WP 012131081.1       AVDKVKDAVVSVITYSESNSDAIF...............DNNNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAK  129
NTDB id 539 SM12261 RS09395 WP 000681587.1   AVNKVKDAVVSVITYSANRQNSVF...............GNDDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGAS  128
NTDB id 256 KZH43 RS10270 WP 000681597.1     AVNKVKDAVVSVITYSANRQNSVF...............GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGAS  128
NTDB id 215 SPD RS10945 WP 000681597.1       AVNKVKDAVVSVITYSANRQNSVF...............GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGAS  128
NTDB id 181 SPR RS10425 WP 000681597.1       AVNKVKDAVVSVITYSANRQNSVF...............GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGAS  128
NTDB id 145 SP RS11450 WP 000681597.1        AVNKVKDAVVSVITYSANRQNSVF...............GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGAS  128
consensus                                    !!**!***!!!!!**********                 ********** ***!!!!!!!*!****!!*!!!*!!***!*

logo
NTDB id 325716 EGX75 RS06470 WP 002368406.1  GLEVVLSDGTKVKGELVGTDAYTDLAVIKISSDKVDQVAEFGNSSKITVGEPAIAIGSPLGSDYANSVTQGIISSVNRNI  237
NTDB id 381 SMU RS09890 WP 002262650.1       KLEIMMANGKKVVGKLVGSDTYSDLAVIKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTV  213
NTDB id 425 SGO RS10525 WP 012131081.1       KVDIRLADGNKVPGEIVGTDTYSDISVVRIPADKVKNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNV  209
NTDB id 539 SM12261 RS09395 WP 000681587.1   KVDIRLSDGTKVPGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNV  208
NTDB id 256 KZH43 RS10270 WP 000681597.1     KVDIRLSDGTKVPGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNV  208
NTDB id 215 SPD RS10945 WP 000681597.1       KVDIRLSDGTKVPGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNV  208
NTDB id 181 SPR RS10425 WP 000681597.1       KVDIRLSDGTKVPGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNV  208
NTDB id 145 SP RS11450 WP 000681597.1        KVDIRLSDGTKVPGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNV  208
consensus                                    ********!*!!*!**!!*!***!**!**!****!**!!!!**!*!**!!!*!!!!!!!!!!*!!!*!!*!!*!!**!**

logo
NTDB id 325716 EGX75 RS06470 WP 002368406.1  TNKNESGETININAIQTDAAINPGNSGGPLINIEGQVIGINSVKIVQST...SQVSVEGMGFAIPSNDVVNIINQLEKDG  314
NTDB id 381 SMU RS09890 WP 002262650.1       TSQNENGETISTNAIQTDAAINPGNSGGALINIKGQVIGINSSKIASSNNSNSGVAVEGMGFAIPSNDVVSIINQLEENG  293
NTDB id 425 SGO RS10525 WP 012131081.1       SSRSEDGQTIATQAIQTDAAINPGNSGGPLVNIQGQVIGITSSKIANTNN..GSTSVEGMGFAIPSNDVVNIIEQLEKNG  287
NTDB id 539 SM12261 RS09395 WP 000681587.1   SLKSEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNG  284
NTDB id 256 KZH43 RS10270 WP 000681597.1     SLKSEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNG  284
NTDB id 215 SPD RS10945 WP 000681597.1       SLKSEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNG  284
NTDB id 181 SPR RS10425 WP 000681597.1       SLKSEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNG  284
NTDB id 145 SP RS11450 WP 000681597.1        SLKSEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNG  284
consensus                                    ****!*!**!***!!!!!*!!!!!!!!!!*!*!!*!!!!!!*!*!!**  *  ****!!!*!!!!!*!!***!!*!!!**!
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logo
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NTDB id 325716 EGX75 RS06470 WP 002368406.1   KVTRPALGITMSDLTGISSQQQEQILKIPASVKTGVVVRGVEAATPAEKAGLEKYDVITKVDGQDVSSTTDLQSALYKKK   394
NTDB id 381 SMU RS09890 WP 002262650.1        EVVRPALGISMANLSEASTSG.RDTLKIPSDVTSGIVVLSTQSGMPAD.GKLKKYDVITEIDGKKVASISDLQSILYKHK   371
NTDB id 425 SGO RS10525 WP 012131081.1        KVIRPALGIQMVNLSSLSSSS.SDRLKLPDNVKNGVVVRSTQTGMPAD.GKLEKYDVITKIDDTEISSASDIQSALYKHS   365
NTDB id 539 SM12261 RS09395 WP 000681587.1    KVTRPALGIQMVNLSNINTSD.IRRLNIPSNVTSGVVVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHS   362
NTDB id 256 KZH43 RS10270 WP 000681597.1      KVTRPALGIQMVNLSNVSTSD.IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHS   362
NTDB id 215 SPD RS10945 WP 000681597.1        KVTRPALGIQMVNLSNVSTSD.IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHS   362
NTDB id 181 SPR RS10425 WP 000681597.1        KVTRPALGIQMVNLSNVSTSD.IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHS   362
NTDB id 145 SP RS11450 WP 000681597.1         KVTRPALGIQMVNLSNVSTSD.IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHS   362
consensus                                     *!*!!!!!!*!**!******* ***!**!**!**!**!*******!!* **!*!!!!!!**!*****!**!*!!*!!***
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logo
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NTDB id 325716 EGX75 RS06470 WP 002368406.1   VGDKMEVTYYRGSKEMKATIDLTIDKSALTQQNNRSNQ   432
NTDB id 381 SMU RS09890 WP 002262650.1        KGDKIKLTRYREKDKQTVEIQLTKTSQDLNH.......   402
NTDB id 425 SGO RS10525 WP 012131081.1        INEEIKVTYYRDGKEQTTTIKLTKSTDDLSSE......   397
NTDB id 539 SM12261 RS09395 WP 000681587.1    IGDTIKITYYRNGKEETTSIKLDKSSGDLES.......   393
NTDB id 256 KZH43 RS10270 WP 000681597.1      IGDTIKITYYRNGKEETTSIKLNKSSGDLES.......   393
NTDB id 215 SPD RS10945 WP 000681597.1        IGDTIKITYYRNGKEETTSIKLNKSSGDLES.......   393
NTDB id 181 SPR RS10425 WP 000681597.1        IGDTIKITYYRNGKEETTSIKLNKSSGDLES.......   393
NTDB id 145 SP RS11450 WP 000681597.1         IGDTIKITYYRNGKEETTSIKLNKSSGDLES.......   393
consensus                                     *******!*!!********!*! *****!**
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X non conserved
X similar
X $\geq$ 50% conserved