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logo

NTDB id 425 SGO RS10525 WP 012131081.1          ..MKNSSNFFKKTLQVFIVLLVGFIGGVAGTWGFSYFSTPHSATNNNQKTATTVTTSYKNSNSTTEAVDKVKDAVVSVIT   78
NTDB id 539 SM12261 RS09395 WP 000681587.1      ..MKHLKTFYKKGFQLLVVIVISFFSGALGSFSINQLTQKSTEST.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSVIT   77
NTDB id 256 KZH43 RS10270 WP 000681597.1        ..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSVIT   77
NTDB id 215 SPD RS10945 WP 000681597.1          ..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSVIT   77
NTDB id 181 SPR RS10425 WP 000681597.1          ..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSVIT   77
NTDB id 145 SP RS11450 WP 000681597.1           ..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSVIT   77
NTDB id 1140255 DQM80 RS09340 WP 002991468.1   ......MPSMKHILKSLSILLVGFLGGLIAIITFNNLYPHSPS.KINSGKATTSNMVFNNTTNTTKAVKAVQNAVVSVIN   73
NTDB id 381 SMU RS09890 WP 002262650.1         MNNTKSHPFLKWFIP.FLVIFLTFILGVISTLTFNWITG.NKS.FSNNGKTTVSNVIYDTKSNTTKAVKNVKNTVVSVIN   77
consensus                                        ********!************!**!***************  * *****!************!!*!!**!***!!!!!*
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logo

NTDB id 425 SGO RS10525 WP 012131081.1          YSESNSDAIF.......DN...NNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAKKVDIRLADGNKVPGEIVGT   148
NTDB id 539 SM12261 RS09395 WP 000681587.1      YSANRQNSVF.......GN...DDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGA   147
NTDB id 256 KZH43 RS10270 WP 000681597.1        YSANRQNSVF.......GN...DDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGA   147
NTDB id 215 SPD RS10945 WP 000681597.1          YSANRQNSVF.......GN...DDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGA   147
NTDB id 181 SPR RS10425 WP 000681597.1          YSANRQNSVF.......GN...DDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGA   147
NTDB id 145 SP RS11450 WP 000681597.1           YSANRQNSVF.......GN...DDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGA   147
NTDB id 1140255 DQM80 RS09340 WP 002991468.1   YQDNPSSSLSNPYTKLFGEGRSKENKDAELSIFSEGSGVIYRKDGNSAYVVTNNHVIDGAKRIEILMADGSKVVGELVGA   153
NTDB id 381 SMU RS09890 WP 002262650.1         YQKTDNSY.....YNYDSGSQEKNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAEKLEIMMANGKKVVGKLVGS   152
consensus                                      !*********        **    ******** ***!!!!!!!*!****!!*!!!!*!!***!****!****!*!!*!**!!*
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logo

NTDB id 425 SGO RS10525 WP 012131081.1          DTYSDISVVRIPADKVKNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNVSSRSEDGQTIATQAIQTDA   228
NTDB id 539 SM12261 RS09395 WP 000681587.1      DTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDT   227
NTDB id 256 KZH43 RS10270 WP 000681597.1        DTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDT   227
NTDB id 215 SPD RS10945 WP 000681597.1          DTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDT   227
NTDB id 181 SPR RS10425 WP 000681597.1          DTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDT   227
NTDB id 145 SP RS11450 WP 000681597.1           DTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDT   227
NTDB id 1140255 DQM80 RS09340 WP 002991468.1   DTYSDLAVVKISSDKIKTVAEFADSTKLNVGEVAIAIGSPLGTQYANSVTQGIVSSLSRTVTLKNENGETVSTNAIQTDA   233
NTDB id 381 SMU RS09890 WP 002262650.1         DTYSDLAVIKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVISQNENGETISTNAIQTDA   232
consensus                                      !!*!!**!**!*******!!!!**!*!**!!!*!!!!!!!!!**!!!*!!*!!!!!!*!*!****!*!*****!*!!!!!*
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logo

NTDB id 425 SGO RS10525 WP 012131081.1          AINPGNSGGPLVNIQGQVIGITSSKIANTNNG....STSVEGMGFAIPSNDVVNIIEQLEKNGKVIRPALGIQMVNLSSL   304
NTDB id 539 SM12261 RS09395 WP 000681587.1      AINPGNSGGPLINIQGQVIGITSSKIAT..NG....GTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNI   301
NTDB id 256 KZH43 RS10270 WP 000681597.1        AINPGNSGGPLINIQGQVIGITSSKIAT..NG....GTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNV   301
NTDB id 215 SPD RS10945 WP 000681597.1          AINPGNSGGPLINIQGQVIGITSSKIAT..NG....GTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNV   301
NTDB id 181 SPR RS10425 WP 000681597.1          AINPGNSGGPLINIQGQVIGITSSKIAT..NG....GTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNV   301
NTDB id 145 SP RS11450 WP 000681597.1           AINPGNSGGPLINIQGQVIGITSSKIAT..NG....GTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNV   301
NTDB id 1140255 DQM80 RS09340 WP 002991468.1   AINPGNSGGPLINIEGQVIGINSSKISSTPTGSNGNSGAVEGIGFAIPSTDVIKIIKQLETNGEVIRPALGISMVNLNDL   313
NTDB id 381 SMU RS09890 WP 002262650.1         AINPGNSGGALINIKGQVIGINSSKIASSNNSN..SGVAVEGMGFAIPSNDVVSIINQLEENGEVVRPALGISMANLSEA   310
consensus                                      !!!!!!!!!*!*!!*!!!!!!*!!!!!**  **     ***!!!*!!!!!**!***!!*!!!*!!*!*!!!!!!*!*!!***
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logo

NTDB id 425 SGO RS10525 WP 012131081.1          SSSSSDRLKLPDNVKNGVVVRSTQTGMPADGKLEKYDVITKIDDTEISSASDIQSALYKHSINEEIKVTYYRDGKEQTTT   384
NTDB id 539 SM12261 RS09395 WP 000681587.1      NTSDIRRLNIPSNVTSGVVVRSVQSNMPANGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 256 KZH43 RS10270 WP 000681597.1        STSDIRRLNIPSNVTSGVIVRSVQSNMPANGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 215 SPD RS10945 WP 000681597.1          STSDIRRLNIPSNVTSGVIVRSVQSNMPANGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 181 SPR RS10425 WP 000681597.1          STSDIRRLNIPSNVTSGVIVRSVQSNMPANGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 145 SP RS11450 WP 000681597.1           STSDIRRLNIPSNVTSGVIVRSVQSNMPANGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 1140255 DQM80 RS09340 WP 002991468.1    STNALSQINIPTSVTGGIVVAEVKEGMPASGKLAQYDVITEIDGKTVNSISDLQSSLYGHDINDTIKVTFYRGTTKKKAD   393
NTDB id 381 SMU RS09890 WP 002262650.1          STSGRDTLKIPSDVTSGIVVLSTQSGMPADGKLKKYDVITEIDGKKVASISDLQSILYKHKKGDKIKLTFYREKDKQTVE   390
consensus                                       **********!**!**!**!******!!!*!*!**!!!!!**!*****!**!*!!*!!*!*****!!*!*!!********
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logo

NTDB id 425 SGO RS10525 WP 012131081.1          IKLTKSTDDLSSE.   397
NTDB id 539 SM12261 RS09395 WP 000681587.1      IKLDKSSGDLES..   393
NTDB id 256 KZH43 RS10270 WP 000681597.1        IKLNKSSGDLES..   393
NTDB id 215 SPD RS10945 WP 000681597.1          IKLNKSSGDLES..   393
NTDB id 181 SPR RS10425 WP 000681597.1          IKLNKSSGDLES..   393
NTDB id 145 SP RS11450 WP 000681597.1           IKLNKSSGDLES..   393
NTDB id 1140255 DQM80 RS09340 WP 002991468.1    IKLTKTTQDLTKTQ   407
NTDB id 381 SMU RS09890 WP 002262650.1          IQLTKTSQDLNH..   402
consensus                                       !*! !***!!**
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X non conserved

X similar

X $\geq$ 50% conserved