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logo
NTDB id 1361 HI 0985 AAC22646.1              ...............MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDV......AFRQMGW...GAIQIRRWFK   57
NTDB id 114 BSU 16110 NP 389493.1            MDQAAVCLTICRINQLLSPSLLLKWWKADPSMS.........LT..................SPVLQTVTRDQIKAAALKN   54
NTDB id 626 LCA RS04960 WP 011374694.1       ...............MLTKNQLLLKVHLAAGFGT.........ISELRLAAWLSTSHNWALSALEIAQIARL..PERYWPT   55
NTDB id 377696 FGL73 RS03405 WP 146978030.1  ................MITNFDLYRW.KKAGMTN.........LEVNKLLKFFHR.YDKKISLRQMGQVAQL....KSIPN   50
NTDB id 599 KW2 RS05940 WP 021037268.1       ................MITNFDLFRW.KKAGMTN.........LGVNKLLKFFRK.YDRKISLRQMGQVAQV....KSIPN   50
NTDB id 407 SMU RS04605 WP 002262865.1       ................MDNFQLFKL.KKAGLTN.........LNILNIIDYEER.TQKSLSLRDMAVVSKN....KKPLI   49
NTDB id 525 SMSK321 RS06295 WP 000705298.1   ...............MKITNYEIYKL.KKSGLTN.........QQILKVLEYGEN.VDQELLLGDIADISGC....RNPAV   51
NTDB id 267 KZH43 RS05590 WP 000705306.1     ...............MKITNYEIYKL.KKSGLTN.........QQILKVLEYGEN.VDQELLLGDIADISGC....RNPAV   51
NTDB id 226 SPD RS05990 WP 000705306.1       ...............MKITNYEIYKL.KKSGLTN.........QQILKVLEYGEN.VDQELLLGDIADISGC....RNPAV   51
NTDB id 192 SPR RS05715 WP 000705306.1       ...............MKITNYEIYKL.KKSGLTN.........QQILKVLEYGEN.VDQELLLGDIADISGC....RNPAV   51
NTDB id 157 SP RS06205 WP 000705306.1        ...............MKITNYEIYKL.KKSGLTN.........QQILKVLEYGEN.VDQELLLGDIADISGC....RNPAV   51
NTDB id 497 SM12261 RS05565 WP 000705318.1   ...............MKITNYEIYKL.KKSGLTN.........QQVLAVLEYGEN.VDQELLLGDIAEISGC....RNPAV   51
consensus                                                   * *********** ** ****          ********* *   *  * * *** **       * * *

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NTDB id 1361 HI 0985 AAC22646.1              PEAKFIEPA...LVWSQKEGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALS.QRQMAMVGSRYCTTYGEYWAKHFA   133
NTDB id 114 BSU 16110 NP 389493.1            EIEQFYPKLPRVLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLT   134
NTDB id 626 LCA RS04960 WP 011374694.1       FQASFQSTTLQRQCIDHEVRTTYLTILDKDYPQRLLETYLPPVLLFYRGDLRLLK.QPCLAVVGARQATHYSKQSLEQLL   134
NTDB id 377696 FGL73 RS03405 WP 146978030.1  FIEQYKNQDVI.KLREEYKIYPSFSLLDEIYPERLKEIYNPPVLLFYQGDISLLK.TPKLAFVGSRQASSQGIKAVQKIV   128
NTDB id 599 KW2 RS05940 WP 021037268.1       FIEQYKNQDVK.KLRADYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLK.NPKLAFVGSRLAGQSGIKSVQKIV   128
NTDB id 407 SMU RS04605 WP 002262865.1       FMEHYKNLDSK.ALRKEFNRFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLA.RPKLAVVGSRNASQMGVAAVKKII   127
NTDB id 525 SMSK321 RS06295 WP 000705298.1   FMERYFQIDDA.HLEKEFKKIPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRSCSKQGAKSVEKII   129
NTDB id 267 KZH43 RS05590 WP 000705306.1     FMERYFQIDDA.HLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVI   129
NTDB id 226 SPD RS05990 WP 000705306.1       FMERYFQIDDA.HLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVI   129
NTDB id 192 SPR RS05715 WP 000705306.1       FMERYFQIDDA.HLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVI   129
NTDB id 157 SP RS06205 WP 000705306.1        FMERYFQIDDA.HLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVI   129
NTDB id 497 SM12261 RS05565 WP 000705318.1   FMERYFQIDDA.HLEKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVI   129
consensus                                    *********    * ************** !!**! **** !***!**!****!*  *****!!*! ** ** *******

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NTDB id 1361 HI 0985 AAC22646.1              TELSLAGFTITSGLALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPR   213
NTDB id 114 BSU 16110 NP 389493.1            KEICRKGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLAD.HMAKHHILLSEHPPETKPQKWHFPM   213
NTDB id 626 LCA RS04960 WP 011374694.1       QGLT.A.TTIISGLAQGADAMAHEVALQRGLAPIGVIGTGINCSYPPQNEHLQQ.VVAEKGLLLSEYALGTPARRYQFPA   211
NTDB id 377696 FGL73 RS03405 WP 146978030.1  TELN.QNFTIVSGLAKGIDTASHLSAIKNKIPTIAVIGTGLDIFYPLENRKIQE.YLAKNQLILSEYPVGEKPLRHHFPE   206
NTDB id 599 KW2 RS05940 WP 021037268.1       TELN.QSFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQE.YLAKYQLVLSEYSLGEKPLKYHFPE   206
NTDB id 407 SMU RS04605 WP 002262865.1       QDLS.KQFVIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQD.YIAKNHLLLSEYEAQSQPLKYHFPE   205
NTDB id 525 SMSK321 RS06295 WP 000705298.1   QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YISNDHLVLSEYGPGEQPLKFHFPA   207
NTDB id 267 KZH43 RS05590 WP 000705306.1     QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPA   207
NTDB id 226 SPD RS05990 WP 000705306.1       QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPA   207
NTDB id 192 SPR RS05715 WP 000705306.1       QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPA   207
NTDB id 157 SP RS06205 WP 000705306.1        QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPA   207
NTDB id 497 SM12261 RS05565 WP 000705318.1   QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPA   207
consensus                                    ***  *  *!*!!!!!*!*!***!**********!*!***!****!!* ****** **** ****!!************!!*
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logo

NTDB id 1361 HI 0985 AAC22646.1                RNRIISGLSVGTLVVEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHS   293
NTDB id 114 BSU 16110 NP 389493.1              RNRIISGLSEGVIVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQY   293
NTDB id 626 LCA RS04960 WP 011374694.1         RNKIIAGLCHSLIVTEARHKSGSLITANLALQANRNVYAIPGRIDQSLSQGCNQLIAAGATPLLDKNILIEELRYFD...   288
NTDB id 377696 FGL73 RS03405 WP 146978030.1    RNRIIAGLSHGVVVIEAKLRSGSLITCERALEEGRDIFAVPGNIADGFSDGCNHLIQQGAKLIYQAQDILEEYLYD....   282
NTDB id 599 KW2 RS05940 WP 021037268.1         RNRIIAGLSRGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN....   282
NTDB id 407 SMU RS04605 WP 002262865.1         RNRIIAGLSQGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.....   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1     RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....   282
NTDB id 267 KZH43 RS05590 WP 000705306.1       RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....   282
NTDB id 226 SPD RS05990 WP 000705306.1         RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....   282
NTDB id 192 SPR RS05715 WP 000705306.1         RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....   282
NTDB id 157 SP RS06205 WP 000705306.1          RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....   282
NTDB id 497 SM12261 RS05565 WP 000705318.1     RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....   282
consensus                                      !!*!!*!!*****!*****!!!!!!***!****!*****!!********!***!!**!!*********** **  *

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NTDB id 1361 HI 0985 AAC22646.1                QTEIDFDQIAVPNYTPPPDPRRLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV   373
NTDB id 114 BSU 16110 NP 389493.1              TEPF.......................................................................   297
NTDB id 626 LCA RS04960 WP 011374694.1         ...........................................................................   288
NTDB id 377696 FGL73 RS03405 WP 146978030.1    ...........................................................................   282
NTDB id 599 KW2 RS05940 WP 021037268.1         ...........................................................................   282
NTDB id 407 SMU RS04605 WP 002262865.1         ...........................................................................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1     ...........................................................................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1       ...........................................................................   282
NTDB id 226 SPD RS05990 WP 000705306.1         ...........................................................................   282
NTDB id 192 SPR RS05715 WP 000705306.1         ...........................................................................   282
NTDB id 157 SP RS06205 WP 000705306.1          ...........................................................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1     ...........................................................................   282
consensus
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X non conserved

X similar

X $\geq$ 50% conserved