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logo

NTDB id 1399 DSB67 RS15600 WP 010645755.1   MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNIVQYSTEQLQLLGLTAKQLQAWSQVDKEVDACLTWV........AASS   77
NTDB id 599 KW2 RS05940 WP 021037268.1      ..MITNFDLFRWKKA....GMTNL.........GVNKLLKFFRKYDRK..ISLRQMGQVAQVKSIPNFIEQYKNQDVKKLRADYK   68
NTDB id 32928 SUB RS04665 WP 012658425.1    ...MNNFDIFKLKCA....GLKNH.........HILNIIAYMKHSTQSLSLSLRNMAVVSKCSDPITFIENYKALKSKELRKIFM   69
NTDB id 407 SMU RS04605 WP 002262865.1      ...MDNFQLFKLKKA....GLTNL.........NILNIIDYEERTQKS..LSLRDMAVVSKNKKPLIFMEHYKNLDSKALRKEFN   67
NTDB id 525 SMSK321 RS06295 WP 000705298.1  .MKITNYEIYKLKKS....GLTNQ.........QILKVLEYGENVDQE..LLLGDIADISGCRNPAVFMERYFQIDDAHLEKEFK   69
NTDB id 497 SM12261 RS05565 WP 000705318.1  .MKITNYEIYKLKKS....GLTNQ.........QVLAVLEYGENVDQE..LLLGDIAEISGCRNPAVFMERYFQIDDAHLEKEFQ   69
NTDB id 267 KZH43 RS05590 WP 000705306.1    .MKITNYEIYKLKKS....GLTNQ.........QILKVLEYGENVDQE..LLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQ   69
NTDB id 226 SPD RS05990 WP 000705306.1      .MKITNYEIYKLKKS....GLTNQ.........QILKVLEYGENVDQE..LLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQ   69
NTDB id 192 SPR RS05715 WP 000705306.1      .MKITNYEIYKLKKS....GLTNQ.........QILKVLEYGENVDQE..LLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQ   69
NTDB id 157 SP RS06205 WP 000705306.1       .MKITNYEIYKLKKS....GLTNQ.........QILKVLEYGENVDQE..LLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQ   69
consensus                                    **************    !****         ***************  ****************************** ****

logo

NTDB id 1399 DSB67 RS15600 WP 010645755.1   HHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSGLALGIDGHAHDG   162
NTDB id 599 KW2 RS05940 WP 021037268.1      KFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIVSGLAKGIDTASHLS   152
NTDB id 32928 SUB RS04665 WP 012658425.1    EYPSISILDKEYPALLKEIHNPPVLFFYQGNIKLLDSPKLAIVGSRKASETGIKSVQKIVEELN.NKYVIVSGLARGIDTAAHLS   153
NTDB id 407 SMU RS04605 WP 002262865.1      RFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKIIQDLS.KQFVIISGLARGIDTAAHLA   151
NTDB id 525 SMSK321 RS06295 WP 000705298.1  KIPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRSCSKQGAKSVEKIIQGLE.NELVIVSGLAKGIDTAAHMA   153
NTDB id 497 SM12261 RS05565 WP 000705318.1  KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMA   153
NTDB id 267 KZH43 RS05590 WP 000705306.1    KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMA   153
NTDB id 226 SPD RS05990 WP 000705306.1      KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMA   153
NTDB id 192 SPR RS05715 WP 000705306.1      KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMA   153
NTDB id 157 SP RS06205 WP 000705306.1       KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKGIDTAAHMA   153
consensus                                   ********!**!!**!******!*!*!**!****!**!**!*!!!!*****!***********!* ******!!!!*!!!***!**

logo

NTDB id 1399 DSB67 RS15600 WP 010645755.1   ALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAENGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVVEAAEKSGSLITARYAL   247
NTDB id 599 KW2 RS05940 WP 021037268.1      AIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKLRSGSLITCERAL   237
NTDB id 32928 SUB RS04665 WP 012658425.1    SLRNGGQTIAIIGSGFNNIYPKENRRLQDYIGQHHLLISEYAPNDKPYSFHFPERNRIIAGLVKAVLVVEAKKRSGSLITCQHAL   238
NTDB id 407 SMU RS04605 WP 002262865.1      SLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEAKIRSGSLITCERAM   236
NTDB id 525 SMSK321 RS06295 WP 000705298.1  ALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAM   238
NTDB id 497 SM12261 RS05565 WP 000705318.1  ALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAM   238
NTDB id 267 KZH43 RS05590 WP 000705306.1    ALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAM   238
NTDB id 226 SPD RS05990 WP 000705306.1      ALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAM   238
NTDB id 192 SPR RS05715 WP 000705306.1      ALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAM   238
NTDB id 157 SP RS06205 WP 000705306.1       ALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAM   238
consensus                                   ******!!!**!*!****!!*****************!!******!****!!*!!!!!*!!***!*!*!!***!!!!!!***!*
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1399 DSB67 RS15600 WP 010645755.1   EQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQSLDLFSAPIDEEELPFPQLLANVGNEATPVDIL   332
NTDB id 599 KW2 RS05940 WP 021037268.1      EEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.....................................   282
NTDB id 32928 SUB RS04665 WP 012658425.1    DEGRDVYAIPGNIIDGFSDGCNLLIQEGAKCVTNGFQISSELF.......................................   281
NTDB id 407 SMU RS04605 WP 002262865.1      EEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF......................................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1  EEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1  EEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......................................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1    EEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......................................   282
NTDB id 226 SPD RS05990 WP 000705306.1      EEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......................................   282
NTDB id 192 SPR RS05715 WP 000705306.1      EEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......................................   282
NTDB id 157 SP RS06205 WP 000705306.1       EEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......................................   282
consensus                                   **!!*****!**!******!***!!!*!!***********!***
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logo
                                            ASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG
NTDB id 1399 DSB67 RS15600 WP 010645755.1   ASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG   369
NTDB id 599 KW2 RS05940 WP 021037268.1      ......................................   282
NTDB id 32928 SUB RS04665 WP 012658425.1    ......................................   281
NTDB id 407 SMU RS04605 WP 002262865.1      ......................................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1  ......................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1  ......................................   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
consensus
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X non conserved
X similar
X ≥ 50% conserved