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logo

NTDB id 1361 HI 0985 AAC22646.1          MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDD......VAFRQMGWGA.IQIRRWFKPEAKFIEPALV...WS   70
NTDB id 626 LCA RS04960 WP 011374694.1   MLTKNQLLLKVHLAAGFGTISE........LRLAAWLSTSHNWALSALEIAQIARLPERYWPTFQASFQSTTLQRQCID   71
NTDB id 407 SMU RS04605 WP 002262865.1   ..MDNFQLFKLK.KAGLTNLNI.........LNIIDYEE.RTQKSLSLRDMAVVSKN..KKPLIFMEHYKNLDSKAL.RK   64
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MKITNYEIYKLK.KSGLTNQQI.........LKVLEYGE.NVDQELLLGDIADISGC..RNPAVFMERYFQIDDAHL.EK   66
NTDB id 267 KZH43 RS05590 WP 000705306.1 MKITNYEIYKLK.KSGLTNQQI.........LKVLEYGE.NVDQELLLGDIADISGC..RNPAVFMERYFQIDDAHL.SK   66
NTDB id 226 SPD RS05990 WP 000705306.1   MKITNYEIYKLK.KSGLTNQQI.........LKVLEYGE.NVDQELLLGDIADISGC..RNPAVFMERYFQIDDAHL.SK   66
NTDB id 192 SPR RS05715 WP 000705306.1   MKITNYEIYKLK.KSGLTNQQI.........LKVLEYGE.NVDQELLLGDIADISGC..RNPAVFMERYFQIDDAHL.SK   66
NTDB id 157 SP RS06205 WP 000705306.1    MKITNYEIYKLK.KSGLTNQQI.........LKVLEYGE.NVDQELLLGDIADISGC..RNPAVFMERYFQIDDAHL.SK   66
NTDB id 497 SM12261 RS05565 WP 000705318.1 MKITNYEIYKLK.KSGLTNQQV.........LAVLEYGE.NVDQELLLGDIAEISGC..RNPAVFMERYFQIDDAHL.EK   66
NTDB id 284577 C9I44 RS05875 WP 004257242.1 .MIRNFEILRLK.KAGMSNLGI.........LKLIDYQE.RHEAKLTLRQLARIAEV..KAVPNFIESYKSQDVKRL.RE   65
NTDB id 599 KW2 RS05940 WP 021037268.1   .MITNFDLFRWK.KAGMTNLGV.........NKLLKFFR.KYDRKISLRQMGQVAQV..KSIPNFIEQYKNQDVKKL.RA   65
consensus                                ************ ********         ******** ****************   ******************  *

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NTDB id 1361 HI 0985 AAC22646.1          QKEGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLALG  150
NTDB id 626 LCA RS04960 WP 011374694.1   HEVRTTYLTILDKDYPQRLLETYLPPVLLFYRGDLRLLKQPCLAVVGARQATHYSKQSLEQLLQGLT.A.TTIISGLAQG  149
NTDB id 407 SMU RS04605 WP 002262865.1   EFNRFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKIIQDLS.KQFVIISGLARG  143
NTDB id 525 SMSK321 RS06295 WP 000705298.1 EFKKIPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRSCSKQGAKSVEKIIQGLE.NELVIVSGLAKG  145
NTDB id 267 KZH43 RS05590 WP 000705306.1 EFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKG  145
NTDB id 226 SPD RS05990 WP 000705306.1   EFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKG  145
NTDB id 192 SPR RS05715 WP 000705306.1   EFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKG  145
NTDB id 157 SP RS06205 WP 000705306.1    EFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKG  145
NTDB id 497 SM12261 RS05565 WP 000705318.1 EFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIVSGLAKG  145
NTDB id 284577 C9I44 RS05875 WP 004257242.1 QYKTFPSFSILDDIYPEWLKEMYNPPTLLFYQGNLKLLNFPKLGFVGSREMSKEAPKITYKLIEELK.QSFVIVSGLARG  144
NTDB id 599 KW2 RS05940 WP 021037268.1   DYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIVSGLAKG  144
consensus                                **************!!**!******!*!*!**!****!*******!!*! ***************!* ****!*!!!!*!

logo

NTDB id 1361 HI 0985 AAC22646.1          IDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVEA  230
NTDB id 626 LCA RS04960 WP 011374694.1   ADAMAHEVALQRGLAPIGVIGTGINCSYPPQNEHLQ.QVVAEKGLLLSEYALGTPARRYQFPARNKIIAGLCHSLIVTEA  228
NTDB id 407 SMU RS04605 WP 002262865.1   IDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQ.DYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEA  222
NTDB id 525 SMSK321 RS06295 WP 000705298.1 IDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA  224
NTDB id 267 KZH43 RS05590 WP 000705306.1 IDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA  224
NTDB id 226 SPD RS05990 WP 000705306.1   IDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA  224
NTDB id 192 SPR RS05715 WP 000705306.1   IDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA  224
NTDB id 157 SP RS06205 WP 000705306.1    IDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA  224
NTDB id 497 SM12261 RS05565 WP 000705318.1 IDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQ.DYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEA  224
NTDB id 284577 C9I44 RS05875 WP 004257242.1 VDTSSHVAAIKQQTPTIAVIGNGLDISYPKENRKLQ.EYLATHELVLSEYLVGEPPLKFHFPERNRIIAGLSRGIIVVEA  223
NTDB id 599 KW2 RS05940 WP 021037268.1   IDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQ.EYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEA  223
consensus                                *!***!**********!*!*!*!****!!******* **********!!***********!!*!!*!!*!!*****!*!!
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logo
NTDB id 1361 HI 0985 AAC22646.1              TEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAM.LVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTP   309
NTDB id 626 LCA RS04960 WP 011374694.1       RHKSGSLITANLALQANRNVYAIPGRIDQSLSQGCNQLIAAGATPLLDKNI.LIEELRYFD...................   288
NTDB id 407 SMU RS04605 WP 002262865.1       KIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAK.CITSGFDILNEFNF.....................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1   KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAK.LVTSGQDVLAEFEF.....................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1     KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAK.LVTSGQDVLAEFEF.....................   282
NTDB id 226 SPD RS05990 WP 000705306.1       KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAK.LVTSGQDVLAEFEF.....................   282
NTDB id 192 SPR RS05715 WP 000705306.1       KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAK.LVTSGQDVLAEFEF.....................   282
NTDB id 157 SP RS06205 WP 000705306.1        KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAK.LVTSGQDVLAEFEF.....................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1   KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAK.LVTSGQDVLAEFEF.....................   282
NTDB id 284577 C9I44 RS05875 WP 004257242.1 KQRSGSLITSRYALEGNREVFAVPGDILNRNASGCNQLIQQGAAKLITHGQDILDEFYLYGDNFLP...............   289
NTDB id 599 KW2 RS05940 WP 021037268.1       KLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAK.LVYQAQDILEEYLYN.....................   282
consensus                                    ***!!!!!***!****!*****!!*!******!!**!!**!!* **************
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logo
                                             PPDPRRLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV
NTDB id 1361 HI 0985 AAC22646.1              PPDPRRLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV   373
NTDB id 626 LCA RS04960 WP 011374694.1       ............................................................   288
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
NTDB id 284577 C9I44 RS05875 WP 004257242.1 ............................................................   289
NTDB id 599 KW2 RS05940 WP 021037268.1       ............................................................   282
consensus
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X non conserved

X similar

X $\geq$ 50% conserved