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logo
NTDB id 1361 HI 0985 AAC22646.1          MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDV......AFRQMGWGA.IQIRRWFKPEAKFIEPALV...WS   70
NTDB id 626 LCA RS04960 WP 011374694.1   MLTKNQLLLKVHLAAGFGTISELR.........LAAWLSTSHNWALSALEIAQIARLPERYWPTFQASFQSTTLQRQCID   71
NTDB id 599 KW2 RS05940 WP 021037268.1   .MITNFDLFRW.KKAGMTNLGVNK.........LLKFFRK.YDRKISLRQMGQVAQVK..SIPNFIEQYKNQDVK.KLRA   65
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MKITNYEIYKL.KKSGLTNQQILK.........VLEYGEN.VDQELLLGDIADISGCR..NPAVFMERYFQIDDA.HLEK   66
NTDB id 267 KZH43 RS05590 WP 000705306.1 MKITNYEIYKL.KKSGLTNQQILK.........VLEYGEN.VDQELLLGDIADISGCR..NPAVFMERYFQIDDA.HLSK   66
NTDB id 226 SPD RS05990 WP 000705306.1   MKITNYEIYKL.KKSGLTNQQILK.........VLEYGEN.VDQELLLGDIADISGCR..NPAVFMERYFQIDDA.HLSK   66
NTDB id 192 SPR RS05715 WP 000705306.1   MKITNYEIYKL.KKSGLTNQQILK.........VLEYGEN.VDQELLLGDIADISGCR..NPAVFMERYFQIDDA.HLSK   66
NTDB id 157 SP RS06205 WP 000705306.1    MKITNYEIYKL.KKSGLTNQQILK.........VLEYGEN.VDQELLLGDIADISGCR..NPAVFMERYFQIDDA.HLSK   66
NTDB id 497 SM12261 RS05565 WP 000705318.1 MKITNYEIYKL.KKSGLTNQQVLA.........VLEYGEN.VDQELLLGDIAEISGCR..NPAVFMERYFQIDDA.HLEK   66
NTDB id 325809 EGX70 RS02515 WP 001015250.1 ..MNHFELFKL.KKAGLTNLNINN.........IINYLKKNSLTSLSVRNMAVVSKCK..NPTFFIENYKQLDLK.KLRQ   65
NTDB id 407 SMU RS04605 WP 002262865.1   ..MDNFQLFKL.KKAGLTNLNILN.........IIDYEER.TQKSLSLRDMAVVSKNK..KPLIFMEHYKNLDSK.ALRK   64
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 599 KW2 RS05940 WP 021037268.1   DYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIVSGLAKG  144
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 325809 EGX70 RS02515 WP 001015250.1 EFKKFPVLSILDSNYPLELKEIYNPPVLLFYQGNIELLSKPKLAVVGARQASQIGCQSVKKIIKETN.NQFVIVSGLARG  144
NTDB id 407 SMU RS04605 WP 002262865.1   EFNRFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKIIQDLS.KQFVIISGLARG  143
consensus                                **************!!**!******!*!*!**!****!*****!*!!*! ****************** ****!*!!!!*!

logo
NTDB id 1361 HI 0985 AAC22646.1          IDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVEA  230
NTDB id 626 LCA RS04960 WP 011374694.1   ADAMAHEVALQRGLAPIGVIGTGINCSYPPQNEHLQ.QVVAEKGLLLSEYALGTPARRYQFPARNKIIAGLCHSLIVTEA  228
NTDB id 599 KW2 RS05940 WP 021037268.1   IDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQ.EYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEA  223
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 325809 EGX70 RS02515 WP 001015250.1 IDTAAHVSALKNGGSSIAVIGSGLDVYYPTENKKLQ.EYMSYNHLVLSEYFTGEQPLKFHFPERNRIIAGLCQGIVVAEA  223
NTDB id 407 SMU RS04605 WP 002262865.1   IDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQ.DYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEA  222
consensus                                *!***!**********!*!*!*!****!!******* **********!!***********!!*!!*!!*!!*****!*!!
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NTDB id 1361 HI 0985 AAC22646.1              TEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVPNYTPP   310
NTDB id 626 LCA RS04960 WP 011374694.1       RHKSGSLITANLALQANRNVYAIPGRIDQSLSQGCNQLIAAGATPLLDKNILIEELRYFD.....................   288
NTDB id 599 KW2 RS05940 WP 021037268.1       KLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.....................   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1   KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1     KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................   282
NTDB id 226 SPD RS05990 WP 000705306.1       KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................   282
NTDB id 192 SPR RS05715 WP 000705306.1       KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................   282
NTDB id 157 SP RS06205 WP 000705306.1        KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1   KMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.....................   282
NTDB id 325809 EGX70 RS02515 WP 001015250.1 KMRSGSLITCERALEEGREVFAIPGNIIDGKSDGCHHLIQEGAKCIISGKDILSEYQ......................   280
NTDB id 407 SMU RS04605 WP 002262865.1       KIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.....................   280
consensus                                    ***!!!!!!***!****!*****!!*!****!*!!**!!**!!**************

logo

NTDB id 1361 HI 0985 AAC22646.1              PDPRRLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV   373
NTDB id 626 LCA RS04960 WP 011374694.1       ............................................................   288
NTDB id 599 KW2 RS05940 WP 021037268.1       ............................................................   282
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 325809 EGX70 RS02515 WP 001015250.1  ............................................................   280
NTDB id 407 SMU RS04605 WP 002262865.1       ............................................................   280
consensus
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X non conserved

X similar

X $\geq$ 50% conserved