```
logo
NTDB id 599 KW2 RS05940 WP 021037268.1          .MITNFDLFRWKKAGMTNLGVNKLLKFFRKYDRKISLRQMGQVAQVKSIPNFIEQYKNQDVKKLRADYKKFSSFSILDDL   79
NTDB id 407 SMU RS04605 WP 002262865.1          ..MDNFQLFKLKKAGLTNLNILNIIDYEERTQKSLSLRDMAVVSKNKKPLIFMEHYKNLDSKALRKEFNRFPSLSILDKE   78
NTDB id 404916 GOM48 RS04145 WP 235098528.1     MKITNYEIYKLRKAGLTNQQILTVLEYDETVDQELLLGDIAEISGCRNPAVFMERYFQIDDAQLEKEFQKFPSFSILDDC   80
NTDB id 525 SMSK321 RS06295 WP 000705298.1      MKITNYEIYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLEKEFKKIPSFSILDDC   80
NTDB id 497 SM12261 RS05565 WP 000705318.1      MKITNYEIYKLKKSGLTNQQVLAVLEYGENVDQELLLGDIAEISGCRNPAVFMERYFQIDDAHLEKEFQKFPSFSILDDC   80
NTDB id 267 KZH43 RS05590 WP 000705306.1        MKITNYEIYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQKFPSFSILDDC   80
NTDB id 226 SPD RS05990 WP 000705306.1          MKITNYEIYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQKFPSFSILDDC   80
NTDB id 192 SPR RS05715 WP 000705306.1          MKITNYEIYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQKFPSFSILDDC   80
NTDB id 157 SP RS06205 WP 000705306.1           MKITNYEIYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLSKEFQKFPSFSILDDC   80
consensus                                       ****!*******!*!*!!*****************!**************!*!*!***!***!  *******!*!!!!!**

logo
NTDB id 599 KW2 RS05940 WP 021037268.1          YPERLREIYNPPVLIFYQGNIDLLKNPKLAFVGSRLAGQSGIKSVQKIVTELNQSFTIVSGLAKGIDTASHLSAIKTKTP  159
NTDB id 407 SMU RS04605 WP 002262865.1          YPLELKNIYNPPVLLFYQGDLDLLARPKLAVVGSRNASQMGVAAVKKIIQDLSKQFVIISGLARGIDTAAHLASLKSGGA  158
NTDB id 404916 GOM48 RS04145 WP 235098528.1     YPWDLSEIYDAPALLFYKGNLDLLKFPKVAVVGSRSCSSQGAKSVQKVIQGLENELIVVSGLAKGIDTAAHMATLQNGGK  160
NTDB id 525 SMSK321 RS06295 WP 000705298.1      YPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRSCSKQGAKSVEKIIQGLENELVIVSGLAKGIDTAAHMAALQNGGK  160
NTDB id 497 SM12261 RS05565 WP 000705318.1      YPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLENELVIVSGLAKGIDTAAHMAALQNGGK  160
NTDB id 267 KZH43 RS05590 WP 000705306.1        YPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLENELVIVSGLAKGIDTAAHMAALQNGGK  160
NTDB id 226 SPD RS05990 WP 000705306.1          YPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLENELVIVSGLAKGIDTAAHMAALQNGGK  160
NTDB id 192 SPR RS05715 WP 000705306.1          YPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLENELVIVSGLAKGIDTAAHMAALQNGGK  160
NTDB id 157 SP RS06205 WP 000705306.1           YPWDLSEIYDAPVLLFYKGNLDLLKFPKVAVVGSRACSKQGAKSVEKVIQGLENELVIVSGLAKGIDTAAHMAALQNGGK  160
consensus                                       !!**!**!!**!*!*!!*!**!!!**!!*!*!!!!*****!***!*!****!*******!!!!*!!!!!*!*********

logo
NTDB id 599 KW2 RS05940 WP 021037268.1          TIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKLRSGSLITCERALEE  239
NTDB id 407 SMU RS04605 WP 002262865.1          TIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEAKIRSGSLITCERAMEE  238
NTDB id 404916 GOM48 RS04145 WP 235098528.1     TIAVIGTGLDVFYPKANKRLQEYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEARMRSGSLITCERAMEE  240
NTDB id 525 SMSK321 RS06295 WP 000705298.1      TIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEE  240
NTDB id 497 SM12261 RS05565 WP 000705318.1      TIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEE  240
NTDB id 267 KZH43 RS05590 WP 000705306.1        TIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEE  240
NTDB id 226 SPD RS05990 WP 000705306.1          TIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEE  240
NTDB id 192 SPR RS05715 WP 000705306.1          TIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEE  240
NTDB id 157 SP RS06205 WP 000705306.1           TIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEE  240
consensus                                       !!!!!!!!!!**!!**!***!*!*****!*!!!!*****!!!*!!!*!!!!!!!!**!!*!*!!**!!!!!!!!!!!!*!!

logo
NTDB id 599 KW2 RS05940 WP 021037268.1          GRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN   282
NTDB id 407 SMU RS04605 WP 002262865.1          GRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.   280
NTDB id 404916 GOM48 RS04145 WP 235098528.1     GRDAFAIPGNILDGHSDGCHHLIQEGAKLVTSGQDVLAEFEF.   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1      GRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.   282
NTDB id 497 SM12261 RS05565 WP 000705318.1      GRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.   282
NTDB id 267 KZH43 RS05590 WP 000705306.1        GRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.   282
NTDB id 226 SPD RS05990 WP 000705306.1          GRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.   282
NTDB id 192 SPR RS05715 WP 000705306.1          GRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.   282
NTDB id 157 SP RS06205 WP 000705306.1           GRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.   282
consensus                                       !!!*!**!!*!*!!*!*!!*!!!!*!!!******!*!*!***
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X non conserved
X similar
X $\geq$ 50% conserved