```
logo

NTDB id 25 SA RS06185 WP 000593194.1          ..MIKLFLLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDS.YLCEW...VNREENVLLLRKYYAFIKLDHNDIIKELQKLKVSY   79
NTDB id 40 MW RS06080 WP 000593192.1          ..MIKLFLLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDS.YLCEW...VNREENVHLLRKYYAFIKLDHNDIIKELQKLKVSY   79
NTDB id 525 SMSK321 RS06295 WP 000705298.1    MKITNYEIYKLKKSGLTNQQILK.......VLEYGENVDQELLLGDIADISGCRNPAVFMERY...FQIDDAHLEKEFK..KIPS   73
NTDB id 267 KZH43 RS05590 WP 000705306.1      MKITNYEIYKLKKSGLTNQQILK.......VLEYGENVDQELLLGDIADISGCRNPAVFMERY...FQIDDAHLSKEFQ..KFPS   73
NTDB id 226 SPD RS05990 WP 000705306.1        MKITNYEIYKLKKSGLTNQQILK.......VLEYGENVDQELLLGDIADISGCRNPAVFMERY...FQIDDAHLSKEFQ..KFPS   73
NTDB id 192 SPR RS05715 WP 000705306.1        MKITNYEIYKLKKSGLTNQQILK.......VLEYGENVDQELLLGDIADISGCRNPAVFMERY...FQIDDAHLSKEFQ..KFPS   73
NTDB id 157 SP RS06205 WP 000705306.1         MKITNYEIYKLKKSGLTNQQILK.......VLEYGENVDQELLLGDIADISGCRNPAVFMERY...FQIDDAHLSKEFQ..KFPS   73
NTDB id 407 SMU RS04605 WP 002262865.1        ..MDNFQLFKLKKAGLTNLNILN.......IIDYEERTQKSLSLRDMAVVSKNKKPLIFMEHY...KNLDSKALRKEFN..RFPS   71
consensus                                     *********!!*********!**        *************!******************!    ***!****  !!**   ****

logo

NTDB id 25 SA RS06185 WP 000593194.1          ITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALK   164
NTDB id 40 MW RS06080 WP 000593192.1          ITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALK   164
NTDB id 525 SMSK321 RS06295 WP 000705298.1    FSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKII.QGLENELVIVSGLAKGIDTAAHMAALQ   156
NTDB id 267 KZH43 RS05590 WP 000705306.1      FSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI.QGLENELVIVSGLAKGIDTAAHMAALQ   156
NTDB id 226 SPD RS05990 WP 000705306.1        FSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI.QGLENELVIVSGLAKGIDTAAHMAALQ   156
NTDB id 192 SPR RS05715 WP 000705306.1        FSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI.QGLENELVIVSGLAKGIDTAAHMAALQ   156
NTDB id 157 SP RS06205 WP 000705306.1         FSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI.QGLENELVIVSGLAKGIDTAAHMAALQ   156
NTDB id 407 SMU RS04605 WP 002262865.1        LSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKII.QDLSKQFVIISGLARGIDTAAHLASLK   154
consensus                                     ****!**!!**!*!!**!*!!!!*!***!***  ***!!!!*!  ************  ********!*!!!!*!*!**!!***!*

logo

NTDB id 25 SA RS06185 WP 000593194.1          YNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQN   249
NTDB id 40 MW RS06080 WP 000593192.1          YNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQN   249
NTDB id 525 SMSK321 RS06295 WP 000705298.1    NGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEG   241
NTDB id 267 KZH43 RS05590 WP 000705306.1      NGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEG   241
NTDB id 226 SPD RS05990 WP 000705306.1        NGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEG   241
NTDB id 192 SPR RS05715 WP 000705306.1        NGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEG   241
NTDB id 157 SP RS06205 WP 000705306.1         NGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEG   241
NTDB id 407 SMU RS04605 WP 002262865.1        SGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEAKIRSGSLITCERAMEEG   239
consensus                                     ****!!!!***!****!!!****!***!****!**!!!*******!**!!*!!!!!*!!**!!***!!!**!!!*!!***!*!**

logo

NTDB id 25 SA RS06185 WP 000593194.1          RNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI   290
NTDB id 40 MW RS06080 WP 000593192.1          RNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI   290
NTDB id 525 SMSK321 RS06295 WP 000705298.1    RDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 267 KZH43 RS05590 WP 000705306.1      RDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 226 SPD RS05990 WP 000705306.1        RDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 192 SPR RS05715 WP 000705306.1        RDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 157 SP RS06205 WP 000705306.1         RDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 407 SMU RS04605 WP 002262865.1        RDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF   280
consensus                                     !*!***!!*******!****!!!!!!******!*******
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X non conserved
X similar
X $\geq$ 50% conserved