```
logo
NTDB id 177263 A5J11 RS09400 WP 000593194.1  MIKLFLLKLY...WAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVLLLRKYYAFIKLDHNDIIKELQKLKV   77
NTDB id 25 SA RS06185 WP 000593194.1         MIKLFLLKLY...WAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVLLLRKYYAFIKLDHNDIIKELQKLKV   77
NTDB id 40 MW RS06080 WP 000593192.1         MIKLFLLKLY...WAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVHLLRKYYAFIKLDHNDIIKELQKLKV   77
NTDB id 525 SMSK321 RS06295 WP 000705298.1   .MKITNYEIYKLKKSGLTNQQILKV.LEYGENVDQELLL..GDIADISGCRNPAVFMERYF...QIDDAHLEKEFK..KI   71
NTDB id 267 KZH43 RS05590 WP 000705306.1     .MKITNYEIYKLKKSGLTNQQILKV.LEYGENVDQELLL..GDIADISGCRNPAVFMERYF...QIDDAHLSKEFQ..KF   71
NTDB id 226 SPD RS05990 WP 000705306.1       .MKITNYEIYKLKKSGLTNQQILKV.LEYGENVDQELLL..GDIADISGCRNPAVFMERYF...QIDDAHLSKEFQ..KF   71
NTDB id 192 SPR RS05715 WP 000705306.1       .MKITNYEIYKLKKSGLTNQQILKV.LEYGENVDQELLL..GDIADISGCRNPAVFMERYF...QIDDAHLSKEFQ..KF   71
NTDB id 157 SP RS06205 WP 000705306.1        .MKITNYEIYKLKKSGLTNQQILKV.LEYGENVDQELLL..GDIADISGCRNPAVFMERYF...QIDDAHLSKEFQ..KF   71
consensus                                     *!******!**********!!***  **!******!***   ******************!*   **!****  !!**  !

logo
NTDB id 177263 A5J11 RS09400 WP 000593194.1  SYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYLTIVSGLAQGADAM  157
NTDB id 25 SA RS06185 WP 000593194.1         SYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYLTIVSGLAQGADAM  157
NTDB id 40 MW RS06080 WP 000593192.1         SYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYLTIVSGLAQGADAM  157
NTDB id 525 SMSK321 RS06295 WP 000705298.1   PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQG.LENELVIVSGLAKGIDTA  149
NTDB id 267 KZH43 RS05590 WP 000705306.1     PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQG.LENELVIVSGLAKGIDTA  149
NTDB id 226 SPD RS05990 WP 000705306.1       PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQG.LENELVIVSGLAKGIDTA  149
NTDB id 192 SPR RS05715 WP 000705306.1       PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQG.LENELVIVSGLAKGIDTA  149
NTDB id 157 SP RS06205 WP 000705306.1        PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQG.LENELVIVSGLAKGIDTA  149
consensus                                    ******!**!!**!*!!!**!*!!!!!!!!*!*** ***!!!!*! *******!*!***** ****!*!!!!!!*!*!**

logo
NTDB id 177263 A5J11 RS09400 WP 000593194.1  AHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSG  237
NTDB id 25 SA RS06185 WP 000593194.1         AHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSG  237
NTDB id 40 MW RS06080 WP 000593192.1         AHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSG  237
NTDB id 525 SMSK321 RS06295 WP 000705298.1   AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSG  229
NTDB id 267 KZH43 RS05590 WP 000705306.1     AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSG  229
NTDB id 226 SPD RS05990 WP 000705306.1       AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSG  229
NTDB id 192 SPR RS05715 WP 000705306.1       AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSG  229
NTDB id 157 SP RS06205 WP 000705306.1        AHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSG  229
consensus                                    !!**!!*****!!!!***!****!!!****!***! ***!!*!!!*!*****!**!!*!!!!!*!!**!!***!!!**!!

logo
NTDB id 177263 A5J11 RS09400 WP 000593194.1  SHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI  290
NTDB id 25 SA RS06185 WP 000593194.1         SHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI  290
NTDB id 40 MW RS06080 WP 000593192.1         SHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI  290
NTDB id 525 SMSK321 RS06295 WP 000705298.1   SLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF  282
NTDB id 267 KZH43 RS05590 WP 000705306.1     SLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF  282
NTDB id 226 SPD RS05990 WP 000705306.1       SLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF  282
NTDB id 192 SPR RS05715 WP 000705306.1       SLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF  282
NTDB id 157 SP RS06205 WP 000705306.1        SLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF  282
consensus                                    !*!!***!*!**!*!***!!!*******!****!!!!!!*!****!*******
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X non conserved
X similar
X $\geq$ 50% conserved