```
logo
NTDB id 45073 GDK21 RS06165 WP 000593194.1  MIKLFLLKLY...WAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVLLLRKYYAFIKLDHNDIIKELQKLKVSYITY   82
NTDB id 25 SA RS06185 WP 000593194.1        MIKLFLLKLY...WAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVLLLRKYYAFIKLDHNDIIKELQKLKVSYITY   82
NTDB id 40 MW RS06080 WP 000593192.1        MIKLFLLKLY...WAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVHLLRKYYAFIKLDHNDIIKELQKLKVSYITY   82
NTDB id 525 SMSK321 RS06295 WP 000705298.1  .MKITNYEIYKLKKSGLTNQQILKV.LEYGENVDQELLL..GDIADISGCRNPAVFMERYF...QIDDAHLEKEFK..KIPSFSI   76
NTDB id 267 KZH43 RS05590 WP 000705306.1    .MKITNYEIYKLKKSGLTNQQILKV.LEYGENVDQELLL..GDIADISGCRNPAVFMERYF...QIDDAHLSKEFQ..KFPSFSI   76
NTDB id 226 SPD RS05990 WP 000705306.1      .MKITNYEIYKLKKSGLTNQQILKV.LEYGENVDQELLL..GDIADISGCRNPAVFMERYF...QIDDAHLSKEFQ..KFPSFSI   76
NTDB id 192 SPR RS05715 WP 000705306.1      .MKITNYEIYKLKKSGLTNQQILKV.LEYGENVDQELLL..GDIADISGCRNPAVFMERYF...QIDDAHLSKEFQ..KFPSFSI   76
NTDB id 157 SP RS06205 WP 000705306.1       .MKITNYEIYKLKKSGLTNQQILKV.LEYGENVDQELLL..GDIADISGCRNPAVFMERYF...QIDDAHLSKEFQ..KFPSFSI   76
consensus                                    *!******!**********!!*** **!******!***   ******************!*    **!**** !!**  ! *****

logo
NTDB id 45073 GDK21 RS06165 WP 000593194.1  MDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNL   167
NTDB id 25 SA RS06185 WP 000593194.1        MDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNL   167
NTDB id 40 MW RS06080 WP 000593192.1        MDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNL   167
NTDB id 525 SMSK321 RS06295 WP 000705298.1  LDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQG.LENELVIVSGLAKGIDTAAHMAALQNGG   159
NTDB id 267 KZH43 RS05590 WP 000705306.1    LDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQG.LENELVIVSGLAKGIDTAAHMAALQNGG   159
NTDB id 226 SPD RS05990 WP 000705306.1      LDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQG.LENELVIVSGLAKGIDTAAHMAALQNGG   159
NTDB id 192 SPR RS05715 WP 000705306.1      LDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQG.LENELVIVSGLAKGIDTAAHMAALQNGG   159
NTDB id 157 SP RS06205 WP 000705306.1       LDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQG.LENELVIVSGLAKGIDTAAHMAALQNGG   159
consensus                                   *!**!!**!*!!!**!*!!!!!!!!*!*** ***!!!!*! *******!*!***** ****!*!!!!!!*!*!**!!**!!****

logo
NTDB id 45073 GDK21 RS06165 WP 000593194.1  PTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNV   252
NTDB id 25 SA RS06185 WP 000593194.1        PTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNV   252
NTDB id 40 MW RS06080 WP 000593192.1        PTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNV   252
NTDB id 525 SMSK321 RS06295 WP 000705298.1  KTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDV   244
NTDB id 267 KZH43 RS05590 WP 000705306.1    KTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDV   244
NTDB id 226 SPD RS05990 WP 000705306.1      KTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDV   244
NTDB id 192 SPR RS05715 WP 000705306.1      KTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDV   244
NTDB id 157 SP RS06205 WP 000705306.1       KTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDV   244
consensus                                   *!!!!***!****!!!****!***! ***!!*!!!*!*****!**!!*!!!!!*!!**!!***!!!**!!!*!!***!*!**!*!

logo
NTDB id 45073 GDK21 RS06165 WP 000593194.1  YVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI   290
NTDB id 25 SA RS06185 WP 000593194.1        YVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI   290
NTDB id 40 MW RS06080 WP 000593192.1        YVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI   290
NTDB id 525 SMSK321 RS06295 WP 000705298.1  FAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 267 KZH43 RS05590 WP 000705306.1    FAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 226 SPD RS05990 WP 000705306.1      FAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 192 SPR RS05715 WP 000705306.1      FAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 157 SP RS06205 WP 000705306.1       FAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
consensus                                   ***!!!*******!****!!!!!!*!****!*******
```

X non conserved
X similar
X $\geq$ 50% conserved