```
logo
NTDB id 525 SMSK321 RS06295 WP 000705298.1   MKITNYEIYKLKKSGLTNQQILKVLEYG......ENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLE..KEFKKIPSFSIL   77
NTDB id 267 KZH43 RS05590 WP 000705306.1     MKITNYEIYKLKKSGLTNQQILKVLEYG......ENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLS..KEFQKFPSFSIL   77
NTDB id 226 SPD RS05990 WP 000705306.1       MKITNYEIYKLKKSGLTNQQILKVLEYG......ENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLS..KEFQKFPSFSIL   77
NTDB id 192 SPR RS05715 WP 000705306.1       MKITNYEIYKLKKSGLTNQQILKVLEYG......ENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLS..KEFQKFPSFSIL   77
NTDB id 157 SP RS06205 WP 000705306.1        MKITNYEIYKLKKSGLTNQQILKVLEYG......ENVDQELLLGDIADISGCRNPAVFMERYFQIDDAHLS..KEFQKFPSFSIL   77
NTDB id 497 SM12261 RS05565 WP 000705318.1   MKITNYEIYKLKKSGLTNQQVLAVLEYG......ENVDQELLLGDIAEISGCRNPAVFMERYFQIDDAHLE..KEFQKFPSFSIL   77
NTDB id 83922 JN157 RS05720 WP 047526439.1   ..MINQILLKLIWSHFTTSQIHQLFNKFPNFLEVDELEQNYLLRKFVLNNSNENLSIKNELYSRISFDEIMSNIQQSKLNFITCF   83
NTDB id 40 MW RS06080 WP 000593192.1         ..MIKLFLLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVHLLRKYYAFIKLDHNDIIKELQKLKVSYITYM   83
NTDB id 25 SA RS06185 WP 000593194.1         ..MIKLFLLKLYWAHFSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVLLLRKYYAFIKLDHNDIIKELQKLKVSYITYM   83
consensus                                    *********!!********!********      ********!**************************    ****!*******

logo
NTDB id 525 SMSK321 RS06295 WP 000705298.1   DDCYPWDLSEIYDAPVLLFYKGNLDLLKFPK.VAVVGSRSCSKQGAKSVEKIIQGL.ENELVIVSGLAKGIDTAAHMAALQNGGK   160
NTDB id 267 KZH43 RS05590 WP 000705306.1     DDCYPWDLSEIYDAPVLLFYKGNLDLLKFPK.VAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSGLAKGIDTAAHMAALQNGGK   160
NTDB id 226 SPD RS05990 WP 000705306.1       DDCYPWDLSEIYDAPVLLFYKGNLDLLKFPK.VAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSGLAKGIDTAAHMAALQNGGK   160
NTDB id 192 SPR RS05715 WP 000705306.1       DDCYPWDLSEIYDAPVLLFYKGNLDLLKFPK.VAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSGLAKGIDTAAHMAALQNGGK   160
NTDB id 157 SP RS06205 WP 000705306.1        DDCYPWDLSEIYDAPVLLFYKGNLDLLKFPK.VAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSGLAKGIDTAAHMAALQNGGK   160
NTDB id 497 SM12261 RS05565 WP 000705318.1   DDCYPWDLSEIYDAPVLLFYKGNLDLLKFPK.VAVVGSRACSKQGAKSVEKVIQGL.ENELVIVSGLAKGIDTAAHMAALQNGGK   160
NTDB id 83922 JN157 RS05720 WP 047526439.1   DKGYPSYLKEIYDYPFVLFYKGSINILSSPKALAVVGSRVSSNYTTKALNHLFYSFQQSNLTIVSGLAQGADAMAHQIALKYNLP   168
NTDB id 40 MW RS06080 WP 000593192.1         DSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNLP   168
NTDB id 25 SA RS06185 WP 000593194.1         DSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYLTIVSGLAQGADAMAHQIALKYNLP   168
consensus                                    !**!!**!*!!!**!**!!!!!********* *!!!!*!******************* ***!*!!!!!!*!*!**!!**!!*****

logo
NTDB id 525 SMSK321 RS06295 WP 000705298.1   TIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVF   245
NTDB id 267 KZH43 RS05590 WP 000705306.1     TIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVF   245
NTDB id 226 SPD RS05990 WP 000705306.1       TIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVF   245
NTDB id 192 SPR RS05715 WP 000705306.1       TIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVF   245
NTDB id 157 SP RS06205 WP 000705306.1        TIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVF   245
NTDB id 497 SM12261 RS05565 WP 000705318.1   TIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVF   245
NTDB id 83922 JN157 RS05720 WP 047526439.1   TIAVLAFGHQTHYPKSTRALRNKIEEKGLVISEYPPHTPIARYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVY   253
NTDB id 40 MW RS06080 WP 000593192.1         TIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVY   253
NTDB id 25 SA RS06185 WP 000593194.1         TIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVY   253
consensus                                    !!!!***!****!!!****!***!****!!*!!!*!******!!*!!!!!!*!!**!!***!!!**!!!*!!***!*!**!*!*

logo
NTDB id 525 SMSK321 RS06295 WP 000705298.1   AIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 267 KZH43 RS05590 WP 000705306.1     AIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 226 SPD RS05990 WP 000705306.1       AIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 192 SPR RS05715 WP 000705306.1       AIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 157 SP RS06205 WP 000705306.1        AIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 497 SM12261 RS05565 WP 000705318.1   AIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF   282
NTDB id 83922 JN157 RS05720 WP 047526439.1   VLPGSMFNPMTKGNLLRIQEGAKVVLNADDILEDYFI   290
NTDB id 40 MW RS06080 WP 000593192.1         VLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI   290
NTDB id 25 SA RS06185 WP 000593194.1         VLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI   290
consensus                                    **!!!*******!****!!!!!!*!****!*******
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X non conserved
X similar
X $\geq$ 50% conserved