```
logo
NTDB id 46469 UKS RS07425 WP 156013073.1  ....MFLGEKRLKIKIGKIGLASAFLLGLIVNQVAANEAEAKASSEESSVQTSASKVVEKKLETTASQKEEKKIETSSSQRLEKK   81
NTDB id 186 SPR RS07105 WP 010976587.1    MSVTFFIGEERLKIKI...GLASICLLGLATSHVAANETEVAKTSQDTTTASSSSEQ..............................   54
NTDB id 261 KZH43 RS06955 WP 075825861.1  MSVTFFIGEERLKIKI...GLASICLLGLATSHVAANETEVAKTSQDTTTASSSSEQ..............................   54
NTDB id 220 SPD RS07460 WP 075825861.1    MSVTFFIGEERLKIKI...GLASICLLGLATSHVAANETEVAKTSQDTTTASSSSEQ..............................   54
consensus                                 *****!*!!*!!!!!!   !!!!**!!!!****!!!!!*!****!*******!*!**

logo
NTDB id 46469 UKS RS07425 WP 156013073.1  KEVKETQASSQKEESKQNLTLAHWEGDFYVKADSSKAKSEWVYDTSYNSWFYIKADGRYAQKEWHGNYYLKAGGYMAKNEWVYDS  166
NTDB id 186 SPR RS07105 WP 010976587.1    ...NQSSNKTQTSAEVQTNAAAYWDGDYYVKDDGSKAQSEWIFDNYYKAWFYINSDGRYSQNEWHGNYYLKSGGYMAQNEWIYDS  136
NTDB id 261 KZH43 RS06955 WP 075825861.1  ...NQSSNKTQTSAEVQTNAAAYWDGDYYVKDDGSKAQSEWIFDNYYKAWFYINSDGRYSQNEWHGNYYLKSGGYMAQNEWIYDS  136
NTDB id 220 SPD RS07460 WP 075825861.1    ...NQSSNKTQTSAEVQTNAAAYWDGDYYVKDDGSKAQSEWIFDNYYKAWFYINSDGRYSQNEWHGNYYLKSGGYMAQNEWIYDS  136
consensus                                    *******!*****!****!*!*!!*!!!*!*!!!*!!!**!**!**!!!!**!!!!*!*!!!!!!!!!*!!!!!*!!!*!!!

logo
NTDB id 46469 UKS RS07425 WP 156013073.1  NYKSWFYLKSDGSYSNQEWQKINGKWYYFKQWGYMAKSQWQGNYYLNDQGAMMHNEWLYDDHYNSRFYLKADGSYANEQWQKIDG  251
NTDB id 186 SPR RS07105 WP 010976587.1    NYKSWFYLKSDGAYAHQEWQLIGNKWYYFKKWGYMAKSQWQGSYFLNGQGAMIQNEWLYDPAYSAYFYLKSDGTYANQEWQKVGG  221
NTDB id 261 KZH43 RS06955 WP 075825861.1  NYKSWFYLKSDGAYAHQEWQLIGNKWYYFKKWGYMAKSQWQGSYFLNGQGAMIQNEWLYDPAYSAYFYLKSDGTYANQEWQKVGG  221
NTDB id 220 SPD RS07460 WP 075825861.1    NYKSWFYLKSDGAYAHQEWQLIGNKWYYFKKWGYMAKSQWQGSYFLNGQGAMIQNEWLYDPAYSAYFYLKSDGTYANQEWQKVGG  221
consensus                                 !!!!!!!!!!!!!*!**!!!!*!**!!!!!!*!!!!!!!!!!!*!*!!*!!!!**!!!!!!**!***!!!!*!!*!!!**!!!**!

logo
NTDB id 46469 UKS RS07425 WP 156013073.1  NWYYFKKWGYMAQDEWHGNYYLTESGAMATGELIMDDTRYIFADSGELKEKKALNVGWVSRNGHRYFFNHREEQVGTDRAKKVID  336
NTDB id 186 SPR RS07105 WP 010976587.1    KWYYFKKWGYMARNEWQGNYYLTGSGAMATDEVIMDGARYIFAASGELKEKKDLNVGWVHRDGKRYFFNNREEQVGTEHAKKIID  306
NTDB id 261 KZH43 RS06955 WP 075825861.1  KWYYFKKWGYMARNEWQGNYYLTGSGAMATDEVIMDGARYIFAASGELKEKKDLNVGWVHRDGKRYFFNNREEQVGTEHAKKIID  306
NTDB id 220 SPD RS07460 WP 075825861.1    KWYYFKKWGYMARNEWQGNYYLTGSGAMATDEVIMDGARYIFAASGELKEKKDLNVGWVHRDGKRYFFNNREEQVGTEHAKKIID  306
consensus                                 *!!!!!!!!!!!!**!!*!!!!!!*!!!!!!!*!*!!!**!!!!!*!!!!!!!!!*!!!!!!*!*!*!!!!!*!!!!!!!**!!!*!!

logo
NTDB id 46469 UKS RS07425 WP 156013073.1  VSEHNGHISDWKKVIQENGVDGVIVRLGYSGVEDKELAYNIQEFNRLGIPYGVYLYTYAENETDAEDDAEQTIELLKKYKMNLSY  421
NTDB id 186 SPR RS07105 WP 010976587.1    ISEHNGRINDWKKVIDENKVDGVIVRLGYSGKEDKELAHNIKELNRLGIPYGVYLYTYAENETDAENDAKQTIELIKKYNMNLSY  391
NTDB id 261 KZH43 RS06955 WP 075825861.1  ISEHNGRINDWKKVIDENEVDGVIVRLGYSGKEDKELAHNIKELNRLGIPYGVYLYTYAENETDAENDAKQTIELIKKYNMNLSY  391
NTDB id 220 SPD RS07460 WP 075825861.1    ISEHNGRINDWKKVIDENEVDGVIVRLGYSGKEDKELAHNIKELNRLGIPYGVYLYTYAENETDAENDAKQTIELIKKYNMNLSY  391
consensus                                 *!!!!!*!*!!!!!!*!!*!!!!!!!!!!!!!*!!!!!!*!!*!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 46469 UKS RS07425 WP 156013073.1  PIYYDVENWEYGNKSKKAPTDTDTWVKIIDKYMETMKKADYQNVKVYSYRQLLQTRLNHPNILQHVNWVAAYTDALDWNNPHYSG  506
NTDB id 186 SPR RS07105 WP 010976587.1    PIYYDVENWEYVNKSKRAPSDTDTWVKIINKYMDTMKQAGYQNVYVYSYRSLLQTRLKHPDILKHVNWVAAYTNALEWENPYYSG  476
NTDB id 261 KZH43 RS06955 WP 075825861.1  PIYYDVENWEYVNKSKRAPSDTDTWVKIINKYMDTMKQAGYQNVYVYSYRSLLQTRLKHPDILKHVNWVAAYTNALEWENPYYSG  476
NTDB id 220 SPD RS07460 WP 075825861.1    PIYYDVENWEYVNKSKRAPSDTDTWVKIINKYMDTMKQAGYQNVYVYSYRSLLQTRLKHPDILKHVNWVAAYTNALEWENPYYSG  476
consensus                                 !!!!!!!!!!!*!!!!*!!*!!!!!!!!!!*!!!*!!!*!*!!!!*!!!!!*!!!!!!*!!*!!*!!!!!!!!!!*!!*!*!!*!!!
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logo                                          EKGWQYTSSEYMKGIQGRVDVSVWY
                                                     GSL     R
NTDB id 46469 UKS RS07425 WP 156013073.1      EKGWQYTSSGSLKGIRGRVDVSVWY   531
NTDB id 186 SPR RS07105 WP 010976587.1        EKGWQYTSSEYMKGIQGRVDVSVWY   501
NTDB id 261 KZH43 RS06955 WP 075825861.1      EKGWQYTSSEYMKGIQGRVDVSVWY   501
NTDB id 220 SPD RS07460 WP 075825861.1        EKGWQYTSSEYMKGIQGRVDVSVWY   501
consensus                                     !!!!!!!!!***!!!*!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved