```
logo
NTDB id 599 KW2 RS05940 WP 021037268.1          ................MITNFDLFRWKKAGMTNLGVNKLLKFFRKYDRKISLRQMGQVAQV.KSIPNFIEQYKNQDVKKLR    64
NTDB id 1250 GC085 RS13065 WP 027219989.1       MNNLQPLLALNRMKRI.GPRTVLKLQKRWPDLNLMFQL....SS....VDLEEAGLPSWLAQTIKNFDPDFIKTDLNW.L    70
NTDB id 67382 BTUAT1 RS07805 WP 060832329.1     MYNVSERMIFHRLKGLISPSLLTKWWKVDPELYINEET....HHFKQDRSLQKI.DFTSLQQAEENEFPIFQHIVQAY..    73
NTDB id 114 BSU 16110 NP 389493.1               MDQAAVCLTICRINQLLSPSLLLKWWKADPSMSLTSPV....LQT...VTRDQI.KAAALKNEIEQFYPKLPRVLAAY..    70
consensus                                       * **   * * *** ***********!*** * **  *       *   *******  * * ******** * ******

logo
NTDB id 599 KW2 RS05940 WP 021037268.1          ADYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIVSGLA   142
NTDB id 1250 GC085 RS13065 WP 027219989.1       SSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLA   149
NTDB id 67382 BTUAT1 RS07805 WP 060832329.1     .LKQNIHMIPITSPLYPSSLKHIYDPPPVLFLKGNVTYLNEEKSLGVVGTRVPSSYGEACVKKIVGELVEEDWMIVSGLA   152
NTDB id 114 BSU 16110 NP 389493.1               .REQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWVIVSGLA   149
consensus                                          **** ********!!   !**!**!! *****!****!** * ***!!*!*** *!    * ****!* * ** !!!!!!

logo
NTDB id 599 KW2 RS05940 WP 021037268.1          KGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVE   222
NTDB id 1250 GC085 RS13065 WP 027219989.1       LGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIE   229
NTDB id 67382 BTUAT1 RS07805 WP 060832329.1     KGIDGLAHKECIRKKGKTIGVVAGGFQHVYPKEHVQMAQYMGEHHLLLSEHPPYIKPEKWHFPMRNRLISALTRGTIVVQ   232
NTDB id 114 BSU 16110 NP 389493.1               SGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLSEGVIVVQ   229
consensus                                       *!!!** !*********!!*!** !* **!!**** ****** ****!!!*** **!***!!!*!!!*!**!*****!*

logo
NTDB id 599 KW2 RS05940 WP 021037268.1          AKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.....................   282
NTDB id 1250 GC085 RS13065 WP 027219989.1       AAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPIFSLASGKENL   309
NTDB id 67382 BTUAT1 RS07805 WP 060832329.1     CKEKSGSLITAYQALEQGKEVFAVAGSIFDSNSIGPARLIQQGAKLVHSTKDILEEFSLSGVQYTELP............   300
NTDB id 114 BSU 16110 NP 389493.1               GKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF............   297
consensus                                       ****!!!!!!***!!!******!**!*****    !  *!*!!!!!***** !***!* *   *****

logo
                                                VKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER
NTDB id 599 KW2 RS05940 WP 021037268.1          ....................................................   282
NTDB id 1250 GC085 RS13065 WP 027219989.1       VKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 67382 BTUAT1 RS07805 WP 060832329.1     ....................................................   300
NTDB id 114 BSU 16110 NP 389493.1               ....................................................   297
consensus
```

X non conserved

X similar

X $\geq$ 50% conserved