```
logo
NTDB id 599 KW2 RS05940 WP 021037268.1          ...............MITNFDL....FRWKKAG.MTNLGVNKLLKFFRKYDRKISLRQMGQVAQVKSIPNFIEQYKNQDV   60
NTDB id 1250 GC085 RS13065 WP 027219989.1       MNNLQPLLALNRMKR.IGPRTVLKLQKRWPDLNLMFQLSSVDLEEA........G....LPSWLAQTIKNFDPDFIKTDL   67
NTDB id 1068217 ACFMPA RS08740 WP 014479775.1  MDQAAACLTICRINQLLSPSLLL....KWWKADPSMSLTSPVLQTV........TRDQIKAAALKNEIEQFYPKLPRVLA   68
NTDB id 114 BSU 16110 NP 389493.1               MDQAAVCLTICRINQLLSPSLLL....KWWKADPSMSLTSPVLQTV........TRDQIKAAALKNEIEQFYPKLPRVLA   68
consensus                                       ***** ****************    *!***** **!****!***        *************!**!******* *

logo
NTDB id 599 KW2 RS05940 WP 021037268.1          KKLLRADYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIV  138
NTDB id 1250 GC085 RS13065 WP 027219989.1       .NWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRHGVSIV  145
NTDB id 1068217 ACFMPA RS08740 WP 014479775.1  .AYR..EQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWVIV  145
NTDB id 114 BSU 16110 NP 389493.1               .AYR..EQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWVIV  145
consensus                                        ***  *************!!**!* !**!!******!****!********!!*!*****!*********!*******!!

logo
SGLASGIDGMSHLASIKAKGRTIGVIGTGFQHIYPRENLQLAEHMAKHHLLSEHPPETKPQKWHFPMRNRIISGLSEGV
NTDB id 599 KW2 RS05940 WP 021037268.1          SGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGV  218
NTDB id 1250 GC085 RS13065 WP 027219989.1       SGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCI  225
NTDB id 1068217 ACFMPA RS08740 WP 014479775.1  SGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLSEGV  225
NTDB id 114 BSU 16110 NP 389493.1               SGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLSEGV  225
consensus                                       !!!!*!!!***!  ********!!*!** !* **!!**** ***********!!!******!***!!!*!!!!!*!!!***

logo
NTDB id 599 KW2 RS05940 WP 021037268.1          VVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN................  282
NTDB id 1250 GC085 RS13065 WP 027219989.1       LVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPIFSLASG  305
NTDB id 1068217 ACFMPA RS08740 WP 014479775.1  IVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF........  297
NTDB id 114 BSU 16110 NP 389493.1               IVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF........  297
consensus                                       *!* ****!!!!!!***!!!**!***!*!!********! **!*!!!!! *****!* *!************

logo
NTDB id 599 KW2 RS05940 WP 021037268.1          ..........................................................  282
NTDB id 1250 GC085 RS13065 WP 027219989.1       KENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER  361
NTDB id 1068217 ACFMPA RS08740 WP 014479775.1  ..........................................................  297
NTDB id 114 BSU 16110 NP 389493.1               ..........................................................  297
consensus
```

X non conserved

X similar

X $\geq$ 50% conserved