```
logo

NTDB id 591 KW2 RS10830 WP 014735174.1    .........MKLKIRAFTLLECLVALLAISGSVLVISGLTRMIEEQMKISQNDSRKDWQIFCEQMRSELSGAKLDNVNQNFLYVT   76
NTDB id 399 FSA28 RS09380 WP 002264245.1  ........MLKSKLKAFTLLECLLALLVIAGSVSVYNGLTKAISSNIHYLSKNQEDAWLLFCQQFRSELEGTTLQKLDSNKLYVQ   77
NTDB id 390 SMU RS09010 WP 002263440.1    ........MLKSKLKAFTLLECLLALLVIAGSVSVYNGLTKAISSNIHYLSKNQEDAWLLFCQQFRSELEGTTLQKLDSNKLYIQ   77
NTDB id 63288 T15 RS00785 WP 023369086.1  ........MLKSKISAFTLLECLVVLVILSGSLLIFEGLSKLLVQEAHYQGQTVQKEWLVFSSQLRSEWDQAELVKVENGKVYVN   77
NTDB id 275 KZH43 RS09240 WP 000250534.1  MVQNSCWQSKSHKVKAFTLLESLLALIVISGGLLLFQAMSQLLISEVRYQQQSEQKEWLLFVDQLEVELDRSQFEKVEGNRLYMK   85
NTDB id 234 SPD RS09870 WP 000250534.1    MVQNSCWQSKSHKVKAFTLLESLLALIVISGGLLLFQAMSQLLISEVRYQQQSEQKEWLLFVDQLEVELDRSQFEKVEGNRLYMK   85
NTDB id 200 SPR RS09405 WP 000250534.1    MVQNSCWQSKSHKVKAFTLLESLLALIVISGGLLLFQAMSQLLISEVRYQQQSEQKEWLLFVDQLEVELDRSQFEKVEGNRLYMK   85
NTDB id 165 SP RS10355 WP 000250534.1     MVQNSCWQSKSHKVKAFTLLESLLALIVISGGLLLFQAMSQLLISEVRYQQQSEQKEWLLFVDQLEVELDRSQFEKVEGNRLYMK   85
NTDB id 505 SM12261 RS00970 WP 000250509.1 MVQNSCWLSKSHKIKAFTLLESLIALIVISGSLLLFQAMSQLLISEVRYQQQSEQKEWLLFVDQLEAELDRSQFEKVEGDRIYMK   85
NTDB id 533 SMSK321 RS09215 WP 000250512.1 MVQNSCWLSKSHKVKAFTLLESLIALIVISGSLLLFQAMSQLLISEVRYQQQSEQKEWLLFVDQLEAELDRSQFEKIEGNRIYMK   85
consensus                                 ******* ****!**!!!!!!*!**!****!**********************!**!**!** !***************!**
```

```
logo

NTDB id 591 KW2 RS10830 WP 014735174.1    KDKK.LRFGL.VGDDFRKSDDKGQGYQPMLYDLKGAKIQAEENLIKITIDFDNGGERVFIYRFTDTK.   141
NTDB id 399 FSA28 RS09380 WP 002264245.1  KNNQSLAFGKSKASDFRKTNSDGRGYQPMLTEIKAANFSQSGKIIKLDLTFKDGLERTFVYAFHEKN.   144
NTDB id 390 SMU RS09010 WP 002263440.1    KNNQSLAFGKSKASDFRKTNSDGRGYQPMLTEIKAANFSQSGKIIKLDLTFKDGLERTFVYAFHEKN.   144
NTDB id 63288 T15 RS00785 WP 023369086.1  KGEQALAFGKSWSDDFRKTNDRGQGYQPMLYQVDSAAISQENQLVRIDFSFKNGEERTFIYAFKEKS.   144
NTDB id 275 KZH43 RS09240 WP 000250534.1  QDGKDIAIGKSKSDDFRKTNARGRGYQPMVYGLKSVRITEDNQLVRFHFQFQKGLEREFIYRVEKEKS   153
NTDB id 234 SPD RS09870 WP 000250534.1    QDGKDIAIGKSKSDDFRKTNARGRGYQPMVYGLKSVRITEDNQLVRFHFQFQKGLEREFIYRVEKEKS   153
NTDB id 200 SPR RS09405 WP 000250534.1    QDGKDIAIGKSKSDDFRKTNARGRGYQPMVYGLKSVRITEDNQLVRFHFQFQKGLEREFIYRVEKEKS   153
NTDB id 165 SP RS10355 WP 000250534.1     QDGKDIAIGKSKSDDFRKTNARGRGYQPMVYGLKSVRITEDNQLVRFHFQFQKGLEREFIYRVEKEKS   153
NTDB id 505 SM12261 RS00970 WP 000250509.1 QDGKEIAIGKSKSDDFRKTDASGRGYQPMVYGLKSAQITEENQVVRFRFQFQKGLEREFIYRVEKAKS   153
NTDB id 533 SMSK321 RS09215 WP 000250512.1 QDGKDISIGKLKSDDFRKTDASGRGYQPMVYGLKSAQITEDNQLVRFRFQFQKGLEREFIYRVEKAKS   153
consensus                                 ********!*****!!!!****!*!!!!!*****************  **!**!*!!*!*!**** **
```

X non conserved

X similar

X ≥ 50% conserved