```
logo
NTDB id 1017564 ABX016 RS03940 WP 367414812.1  MDTQERLAWIELALTPFVGAETFLRIIKYFGSAQNALSASAAEISPFCQ.RQVSKYWHS....DVAKQATEAAIEWERAH   75
NTDB id 1094 KZH42 RS01320 WP 002224767.1      MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEWEMR.   79
NTDB id 1089 NMB RS00600 WP 002224767.1        MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEWEMR.   79
NTDB id 1122 OK783 RS09595 WP 003705341.1      MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEWEMR.   79
NTDB id 1120 NGFG RS10355 WP 020997408.1       MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEWEMR.   79
consensus                                      !***!!*!!**!!*!!**!!!*!!**** !!!!!!!!!!*!***** *********!********!*!!*!!!*!!!**

logo
NTDB id 1017564 ABX016 RS03940 WP 367414812.1  TDARLLLLADNDFPAMLTKGLTPPPLLFVRGDSQCLHQPALSIVGSRHATPQAMRITRDFAAALAHKGVTIISGMASGAD  155
NTDB id 1094 KZH42 RS01320 WP 002224767.1      DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMASGID  159
NTDB id 1089 NMB RS00600 WP 002224767.1        DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMASGID  159
NTDB id 1122 OK783 RS09595 WP 003705341.1      DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMASGID  159
NTDB id 1120 NGFG RS10355 WP 020997408.1       DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMASGID  159
consensus                                      ***!!*!!*!*!!!*!!!*!!!*!!*!!*!!****!!*!***!!!!!!!!!!!!!!!**!!***!**!!****!!!!!!*!

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NTDB id 1017564 ABX016 RS03940 WP 367414812.1  TAAHQGALQAMGTTVAVWGTGIDRVYPARNKNLATQIAAHGCIISEFPLGTRPSPGNFPRRNRLIAALSQGTLVVEAATE  235
NTDB id 1094 KZH42 RS01320 WP 002224767.1      TAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEAALE  239
NTDB id 1089 NMB RS00600 WP 002224767.1        TAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEAALE  239
NTDB id 1122 OK783 RS09595 WP 003705341.1      TAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEAALE  239
NTDB id 1120 NGFG RS10355 WP 020997408.1       TAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEAALE  239
consensus                                      !!!!!!!!!*!*!*!*!!!!!!!!!*!!* !!!!!**!!**!*!*!!!!*!!!!**!!!!!!!!!!!!!!!!!!!!!!!*!

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NTDB id 1017564 ABX016 RS03940 WP 367414812.1  SGSLITARLAGEMGREVMAIPGSIDNPLSKGCHALIKQGAKLVENLEDILQECPRLLQKKDLQSYSNRPHLQTDDISKSS  315
NTDB id 1094 KZH42 RS01320 WP 002224767.1      SGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRITAVQ  319
NTDB id 1089 NMB RS00600 WP 002224767.1        SGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRITAVQ  319
NTDB id 1122 OK783 RS09595 WP 003705341.1      SGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGRRAVQ  319
NTDB id 1120 NGFG RS10355 WP 020997408.1       SGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGRRTVQ  319
consensus                                      !!!!!!!*!!*!!!!!!!!*!!!!!!!*!!!!!*!!!*!!!!*!*!*!!!!*!!!*!!!*****!!!*** ***  *****

logo
NTDB id 1017564 ABX016 RS03940 WP 367414812.1  TNTDSSE.DSLSVHSPNCILNPMEQQVLDGLGYGIMHPDMLVTALGMAATDVYAHLVTLELGGWITTLPGGCYQRIKS  392
NTDB id 1094 KZH42 RS01320 WP 002224767.1      TASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRIRT  397
NTDB id 1089 NMB RS00600 WP 002224767.1        TASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRIRT  397
NTDB id 1122 OK783 RS09595 WP 003705341.1      TAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRIRT  395
NTDB id 1120 NGFG RS10355 WP 020997408.1       TAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRIRT  395
consensus                                      !***     * ****!*     ** * *!!**!****!!!*!***!*!*!*!*!!*!**!!!*!*****!!!*!!!!**
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X non conserved
X similar
X $\geq$50% conserved