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logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1        MLTQLSSHHYHTLKVWYLVQHSLVSFKKIIDYFGNCEKATQPDGLAKWSSLGLHANHLKRVNE..FQTTQGQAQFEQLVQ   78
NTDB id 1016700 ABW387 RS09095 WP 370385778.1   MD...TQERLAWIELALTPFVGAETFLRIIKYFGSAQNALSASAA.EISPFG.QRQVSKYWHS....DVAKQATEAAIEW   71
NTDB id 1094 KZH42 RS01320 WP 002224767.1       MT...EDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAE.QVAALIRHKQALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1089 NMB RS00600 WP 002224767.1         MT...EDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAE.QVAALIRHKQALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1122 OK783 RS09595 WP 003705341.1       MT...EDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAE.QVAPAVRHKHALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1120 NGFG RS10355 WP 020997408.1        MT...EDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAE.QVAPAVRHKHALEAWRNAEKRALARQAAEAALEW   76
consensus                                       !*   ********************!***** !!****!****** ***  ********************!!*******

logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1        QVRQHTDFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQPQIAIVGSRKPSPHGRQVAYDFAYYLSEKGFFISSGLA  158
NTDB id 1016700 ABW387 RS09095 WP 370385778.1   EQAHTDARLLLLADNDFPAMLTKGLTPPPLLFVRGDSQCLHQPALSIVGSRHATPQAMRITRDFAAALAHKGVTIISGMA  151
NTDB id 1094 KZH42 RS01320 WP 002224767.1       EMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMA  155
NTDB id 1089 NMB RS00600 WP 002224767.1         EMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMA  155
NTDB id 1122 OK783 RS09595 WP 003705341.1       EMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMA  155
NTDB id 1120 NGFG RS10355 WP 020997408.1        EMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMA  155
consensus                                       *** *********!***!**!******!!**!**!****!**!***!!!!!***!*******!!** !**!!****!!*!

logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1        YGIDEAAHQGASA.HQRTIAVTGTGLDTTYPAQNKKLAEYILAQNGAIITEFLPGTPPLQQHFPRRNRIVSGLSLGVLVV  237
NTDB id 1016700 ABW387 RS09095 WP 370385778.1   SGADTAAHQGALQAMGTTVAVWGTGIDRVYPARNKNLA.TQIAAHGCIISEFPLATRPSPGNFPRRNRLIAALSQGTLVV  230
NTDB id 1094 KZH42 RS01320 WP 002224767.1       SGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLA.YEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV  234
NTDB id 1089 NMB RS00600 WP 002224767.1         SGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLA.YEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV  234
NTDB id 1122 OK783 RS09595 WP 003705341.1       SGIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLA.YEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV  234
NTDB id 1120 NGFG RS10355 WP 020997408.1        SGIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLA.YEIAEKGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVV  234
consensus                                       *!*!*!!!!!!* ****!*!!*!!!*!**!!* !!*!! ***!**!*!**!!***!*!****!!!!!!****!!**!!!

logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1        EATLKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILIDHPEQIIEDLALPTQWQSQQQN..........  307
NTDB id 1016700 ABW387 RS09095 WP 370385778.1   EAATESGSLITARLAGEMGREVMAIPGSIDNPLSKGCHALIKQGAKLVENLEDILQECPRLLQKKDLQSYSNRPHLQTDD  310
NTDB id 1094 KZH42 RS01320 WP 002224767.1       EAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKR  314
NTDB id 1089 NMB RS00600 WP 002224767.1         EAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKR  314
NTDB id 1122 OK783 RS09595 WP 003705341.1       EAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTG  314
NTDB id 1120 NGFG RS10355 WP 020997408.1        EAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTG  314
consensus                                       !!***!!!!!!! *!*!*!**!*!*!!*!******!!!*!!**!!*!******!********!***********  **

logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1        ....QTEEANTNTPEIRE.........HLIDLYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLLGLCMQ.QSGLYLR  373
NTDB id 1016700 ABW387 RS09095 WP 370385778.1   ISKSSTNTDSSE.DSLSVHSPDCILNPMEQQVLDGLGYGIMHPDMLVTALGMAATDVYAHLVTLELGGWITTLPGGCYQR  389
NTDB id 1094 KZH42 RS01320 WP 002224767.1       ITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR  394
NTDB id 1089 NMB RS00600 WP 002224767.1         ITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR  394
NTDB id 1122 OK783 RS09595 WP 003705341.1       RRAVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR  392
NTDB id 1120 NGFG RS10355 WP 020997408.1        RRTVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQR  392
consensus                                          **!*       * ******         * ***********!*!**************!**!!!*!*******!*!*!
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logo                                                  IRT
                                                      CKS
NTDB id 1073 ABD1 RS00865 WP 015451369.1              CRS   376
NTDB id 1016700 ABW387 RS09095 WP 370385778.1         IKS   392
NTDB id 1094 KZH42 RS01320 WP 002224767.1             IRT   397
NTDB id 1089 NMB RS00600 WP 002224767.1               IRT   397
NTDB id 1122 OK783 RS09595 WP 003705341.1             IRT   395
NTDB id 1120 NGFG RS10355 WP 020997408.1              IRT   395
consensus                                             ***
```

X non conserved
X similar
X $\geq$ 50% conserved