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logo

NTDB id 1399 DSB67 RS15600 WP 010645755.1     MTPQNDIDL.AAWLKLSCLPGIGGVKMNKLLSKDTPSNIVQYSTEQLQLLGLTAKQLQAWSQVDKEV..DA.........   68
NTDB id 599 KW2 RS05940 WP 021037268.1        MI..TNFDL.FRWKKAGM....TNLGVNKLLK.FFRKY......DR.......KISLRQMGQVAQVKSIPNFIEQYKNQD   59
NTDB id 146637 AA961 RS05765 WP 000931872.1   ML..NHILLKLIWSRFT......TAQIHLLLK.TFPSCCEVDEYER.......MHILENFCKLLADKKIDAKVNRYKEIS   64
NTDB id 40 MW RS06080 WP 000593192.1          MI..KLFLLKLYWAHFS......TKQIHQFLM.AYPNVIKEEGRKK.......DSYLCEWVNREENVHLLRKYYAFIKLD   64
NTDB id 25 SA RS06185 WP 000593194.1          MI..KLFLLKLYWAHFS......TKQIHQFLM.AYPNVIKEEGRKK.......DSYLCEWVNREENVLLLRKYYAFIKLD   64
consensus                                     !*    **!** ! ***      * *** *!   **  *  *  **         !  * ***  * *  *   *  **

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NTDB id 1399 DSB67 RS15600 WP 010645755.1     ..CLTWVAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQ.IAMVGSRNASVDGLQHTRTFASDLVQHDL   145
NTDB id 599 KW2 RS05940 WP 021037268.1        VKKLRA..DYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKNPK.LAFVGSRLAGQSGIKSVQKIVT.ELNQSF   135
NTDB id 146637 AA961 RS05765 WP 000931872.1   VDEIETTIQKTQLNYITCFDHNYPYLLKETYNYPIILFYKGNINLLSYPHTLAVVGSRLSGDYTLKALNHLFVSFQQMSF   144
NTDB id 40 MW RS06080 WP 000593192.1          HNDIIKELQKLKVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYL   144
NTDB id 25 SA RS06185 WP 000593194.1          HNDIIKELQKLKVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYL   144
consensus                                       **   *** ****** *!  !! *!******!***!**!** ** *** *!*!!*! ** ******  *** * *  *

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NTDB id 1399 DSB67 RS15600 WP 010645755.1     IVTSGLALGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAENGALVSEFRPDAKPRAENFPRRNRIISGLS   225
NTDB id 599 KW2 RS05940 WP 021037268.1        TIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLS   215
NTDB id 146637 AA961 RS05765 WP 000931872.1   CVVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLS   224
NTDB id 40 MW RS06080 WP 000593192.1          TIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLS   224
NTDB id 25 SA RS06185 WP 000593194.1          TIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIEEKGLVISEYPPHTPIAKYRFPERNRIISGLS   224
consensus                                     ***!!!!*!*!***!**!******!!!!***!****!!*****************!!***********!!*!!!!!*!!!

logo

NTDB id 1399 DSB67 RS15600 WP 010645755.1     LGVLVVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQSLDLFS   305
NTDB id 599 KW2 RS05940 WP 021037268.1        RGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.............   282
NTDB id 146637 AA961 RS05765 WP 000931872.1   KGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI..............   290
NTDB id 40 MW RS06080 WP 000593192.1          KGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI..............   290
NTDB id 25 SA RS06185 WP 000593194.1          KGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI..............   290
consensus                                     *!!***!!***!!!*!!***!!!**!*****!*********!****!!*!!**!************

logo

                                              APIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG
NTDB id 1399 DSB67 RS15600 WP 010645755.1     APIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG   369
NTDB id 599 KW2 RS05940 WP 021037268.1        ............................................................   282
NTDB id 146637 AA961 RS05765 WP 000931872.1   ............................................................   290
NTDB id 40 MW RS06080 WP 000593192.1          ............................................................   290
NTDB id 25 SA RS06185 WP 000593194.1          ............................................................   290
consensus
```

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