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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
T1075 WP 000074049.1 NC 002745:c2522760-2522494        .............MSNYTVKIKNSAKSDLRKIKHS...YLKKSFLEIVETLKND.PYKITQSFEKLEPKY.LERY    57
T10072 WP 080514633.1 NC 013508:1725332-1725607        .............MSQWTINFTLNGAADFAYWKGI.DQNKVERIRTLLHSIEAD.PFSGIGKPERLRHHKNPALY    60
T613 21284058 NC 003923:c2479673-2479407               .............MARLNITFSPQAFEDYKYFQQN.DKKMVKKINELLKSIDRNGALEGIGKPEKLKSNL.TGYY    60
T2427 88196331 NC 007795:c2477447-2477181              .............MARLNITFSPQAFEDYKYFQQN.DKKMVKKINELLKSIDRNGALEGIGKPEKLKSNL.TGYY    60
T1074 WP 000113265.1 NC 002745:c2466267-2466001        .............MARLNITFSPQAFEDYKYFQQN.NKKMVKKINELLKSIDRNGALEGIGKPEKLKSNL.TGYY    60
T6138 WP 005687756.1 NC 013199:2764069-2764329         ................MIKTWTDDAWADYMYWHDQNDKRTIKRINQLIQAIDRD.PYKGIGKPEPLRYAL.TGKW    57
T6143 WP 005687756.1 NC 017491:2755973-2756233         ................MIKTWTDDAWADYMYWHDQNDKRTIKRINQLIQAIDRD.PYKGIGKPEPLRYAL.TGKW    57
T6237 WP 005687756.1 NC 013199:2764069-2764329         ................MIKTWTDDAWADYMYWHDQNDKRTIKRINQLIQAIDRD.PYKGIGKPEPLRYAL.TGKW    57
T10020 WP 005687756.1 NZ JPZB01000034:15416-15676      ................MIKTWTDDAWADYMYWHDQNDKRTIKRINQLIQAIDRD.PYKGIGKPEPLRYAL.TGKW    57
T10021 WP 005687756.1 NZ JMSI01000003:c191141-190881   ................MIKTWTDDAWADYMYWHDQNDKRTIKRINQLIQAIDRD.PYKGIGKPEPLRYAL.TGKW    57
T6115 WP 000588503.1 NC 014959:c5220-4963              ................MIKAWSDDAWDDYLYWHEQGNKSNIKKINKLIKDIDRS.PFAGLGKPEPLKHDL.SGKW    57
T6022 WP 000588503.1 NC 005000:c5220-4963              ................MIKAWSDDAWDDYLYWHEQGNKSNIKKINKLIKDIDRS.PFAGLGKPEPLKHDL.SGKW    57
T310 26989658 NC 002947:c3342756-3342448               MSKNQKQRNKNEARDKVSVKFTKEGWEDYCHWQNA.DLTILGNINRLIDVCLRT.PFTGIGKPEPLKGDL.SGLW    72
T130 NP 217875.1 NC 000962:3771045-3771302             ...............VRSVNFDPDAWEDFLFWLAA.DRKTARRITRLIGEIQRD.PFSGIGKPEPLQGEL.SGYW    57
T6122 NP 626486.1 NC 003888:2406202-2406456            ................VRITFTSHGWEDYVHWAES.DRKVTKRINRLIADIARD.PFKGVGKPEPLKGDL.SGYW    56
T10077 WP 010972002.1 NC 003062:c1979602-1979333       ................MKLVWTLSSWDDYEFWQRT.DARMVEKINDLIRNAKRT.PFAGLGKPEPLKGDM.AGYW    56
T728 15903627 NC 003098:c1566704-1566450               ................MLLKFTEDAWADYCYWQNQ.DKKTLKRINKLIKDIQRD.PFTGIGKPEPLKYDY.QGAW    56
T6281 WP 012775363.1 NC 012924:c1915020-1914763        ................MGIHFTDDAWEDYLYWQGQ.DKKTLKRINKTIQDMQRH.PFEGIAKPEPLKYDY.QGAW    56
T1043 YP 588458.1 NC 000913:c2089465-2089211           ................VKLIWSEESWDDYLYWQET.DKRIVKKINELIKDTRRT.PFEGKGKPEPLKHNL.SGFW    56
T4918 WP 005605064.1 NC 010278:1417850-1418110         ................MKLTFSSNAWEDYLYWQKT.DKIILKRINSLIKDIQRQ.PFEGIGKLEPLKFNL.SGFW    56
consensus                                                                * *********!****  * *** *****  **  **** ** *****!*!*  * ** *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                
T1075 WP 000074049.1 NC 002745:c2522760-2522494        SRRINHQHRVVYTVDDRN..KEVLILSAWSHYD..    88
T10072 WP 080514633.1 NC 013508:1725332-1725607        SRRIDQQHRLVYSVSGN....TVTVVACRFHYGDK    91
T613 21284058 NC 003923:c2479673-2479407               SRRINHEHRLVYTVDDN....HIKIASCKYHY...    88
T2427 88196331 NC 007795:c2477447-2477181              SRRINHEHRLVYTVDDN....HIKIASCKYHY...    88
T1074 WP 000113265.1 NC 002745:c2466267-2466001        SRRINHEHRLVYTVDDN....HIKIASCKYHY...    88
T6138 WP 005687756.1 NC 013199:2764069-2764329         SRRIDQENRIIYSIEKN....HINIFACRTHYS..    86
T6143 WP 005687756.1 NC 017491:2755973-2756233         SRRIDQENRIIYSIEKN....HINIFACRTHYS..    86
T6237 WP 005687756.1 NC 013199:2764069-2764329         SRRIDQENRIIYSIEKN....HINIFACRTHYS..    86
T10020 WP 005687756.1 NZ JPZB01000034:15416-15676      SRRIDQENRIIYSIEKN....HINIFACRTHYS..    86
T10021 WP 005687756.1 NZ JMSI01000003:c191141-190881   SRRIDQENRIIYSIEKN....HINIFACRTHYS..    86
T6115 WP 000588503.1 NC 014959:c5220-4963              SRRITDEHRLIYRVENE....TIFIYSAKDHY...    85
T6022 WP 000588503.1 NC 005000:c5220-4963              SRRITDEHRLIYRVENE....TIFIYSAKDHY...    85
T310 26989658 NC 002947:c3342756-3342448               SRRITREHRLVYFFEAG....MLTVLQCRYHYDD.   102
T130 NP 217875.1 NC 000962:3771045-3771302             SRRIDDEHRLVYRAGDD....EVTMLKARYHY...    85
T6122 NP 626486.1 NC 003888:2406202-2406456            SRRIDDTHRLVYKPTDD....QLVIVQARYHY...    84
T10077 WP 010972002.1 NC 003062:c1979602-1979333       SRRITAEHRFVYRVSGSGSEQRLEVIQCRFHYQ..    89
T728 15903627 NC 003098:c1566704-1566450               SRRIDAENRLIYMMDGD....SVAFLSFKDHY...    84
T6281 WP 012775363.1 NC 012924:c1915020-1914763        SRRIDAENRLIYMVEAD....RLCILSLKDHYR..    85
T1043 YP 588458.1 NC 000913:c2089465-2089211           SRRITEEHRLVYAVTDD....SLLIAACRYHY...    84
T4918 WP 005605064.1 NC 010278:1417850-1418110         SRRINEEHRLIYSVEDE....AILIVACRYHYDQ.    86
consensus                                              !!!!* **!**!***        * *  ***!!
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X non conserved

X similar

X ≥ 50% conserved