logo

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NTDB id 1073 ABD1 RS00865 WP 015451369.1     .........MLTQLSSHHYHTLKVWYLVQHSLVSFKKIIDYFGNCEK.ATQPDGLAKWSSLGLHANHLKRVNEFQTTQG   69
NTDB id 1043 HON27 RS16615 WP 168727007.1    .........MLTQLSSHQYHTLKVWYLVQHSLVSFKKIIDYFGNCEK.ATQPDGLAKWSSLGLHANHLKRVNEFQTPQG   69
NTDB id 114 BSU 16110 NP 389493.1            MDQAAVCLTICRINQLLSPSLLLKWWKADP.................SMSLTSPVLQTVTRDQIKAAA...L.....KNE   55
NTDB id 626 LCA RS04960 WP 011374694.1       ..............MLTKNQLLLKVHLAAGFGTISELRLAAWLSTSHNWALSALEIAQIARLPERY.....W.....PTF   56
NTDB id 599 KW2 RS05940 WP 021037268.1       ...............MITNFDLFRW.KKAGMTNLGVNKLLKFFRKY.DRKISLRQMGQVAQV..KS.....I.....PNF   51
NTDB id 525 SMSK321 RS06295 WP 000705298.1   ..............MKITNYEIYKL.KKSGLTNQQILKVLEYGENV.DQELLLGDIADISGC..RN.....P.....AVF   52
NTDB id 267 KZH43 RS05590 WP 000705306.1     ..............MKITNYEIYKL.KKSGLTNQQILKVLEYGENV.DQELLLGDIADISGC..RN.....P.....AVF   52
NTDB id 226 SPD RS05990 WP 000705306.1       ..............MKITNYEIYKL.KKSGLTNQQILKVLEYGENV.DQELLLGDIADISGC..RN.....P.....AVF   52
NTDB id 192 SPR RS05715 WP 000705306.1       ..............MKITNYEIYKL.KKSGLTNQQILKVLEYGENV.DQELLLGDIADISGC..RN.....P.....AVF   52
NTDB id 157 SP RS06205 WP 000705306.1        ..............MKITNYEIYKL.KKSGLTNQQILKVLEYGENV.DQELLLGDIADISGC..RN.....P.....AVF   52
NTDB id 497 SM12261 RS05565 WP 000705318.1   ..............MKITNYEIYKL.KKSGLTNQQVLAVLEYGENV.DQELLLGDIAEISGC..RN.....P.....AVF   52
NTDB id 29296 SALIVB RS04520 WP 004182435.1  ................MNNFELFKL.KAAGLTNLNILNILDYQKTQ.DRKLSLRDMAVVSKS..KN.....A.....VLF   50
NTDB id 407 SMU RS04605 WP 002262865.1       ................MDNFQLFKL.KKAGLTNLNILNIIDYEERT.QKSLSLRDMAVVSKN..KK.....P.....LIF   50
consensus                                                    * *********  **  ****  ********   *   *   *  *  ***  **      *                **
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NTDB id 1073 ABD1 RS00865 WP 015451369.1     QAQFEQLVQQVRQHT....DFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQ.PQIAIVGSRKPSPHGRQVAYDFAY   144
NTDB id 1043 HON27 RS16615 WP 168727007.1    QAQFEQLVQQVRQHT....DFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQ.PQIAIVGSRKPSPHGRQVAYDFAY   144
NTDB id 114 BSU 16110 NP 389493.1            IEQFYPKLPRVLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTK   135
NTDB id 626 LCA RS04960 WP 011374694.1       QASFQSTTLQRQCIDHEVRTTYLTILDKDYPQRLLETYLPPVLLFYRGDLRLLKQ.PCLAVVGARQATHYSKQSLEQLLQ   135
NTDB id 599 KW2 RS05940 WP 021037268.1       IEQYKNQDV.KKLRADYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVT   129
NTDB id 525 SMSK321 RS06295 WP 000705298.1   MERYFQIDD.AHLEKEFKKIPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQ   130
NTDB id 267 KZH43 RS05590 WP 000705306.1     MERYFQIDD.AHLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQ   130
NTDB id 226 SPD RS05990 WP 000705306.1       MERYFQIDD.AHLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQ   130
NTDB id 192 SPR RS05715 WP 000705306.1       MERYFQIDD.AHLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQ   130
NTDB id 157 SP RS06205 WP 000705306.1        MERYFQIDD.AHLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQ   130
NTDB id 497 SM12261 RS05565 WP 000705318.1   MERYFQIDD.AHLEKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQ   130
NTDB id 29296 SALIVB RS04520 WP 004182435.1  MEKYKSLDI.KQLKEQFDHFPTLSIFDKEYPIELKYTYNPPVLLYYQGNLDLLSK.PKLAVVGARKCSETGKQSVRKIVS   128
NTDB id 407 SMU RS04605 WP 002262865.1       MEHYKNLDS.KALRKEFNRFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQ   128
consensus                                    ** *  ***     *   **  **** ****  !! *! **** !******!****!*  *****!!*!   *   *   **  ****
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NTDB id 1073 ABD1 RS00865 WP 015451369.1     YLSEKGFFISSGLAYGIDEAAHQGAS.AHQRTIAVTGTGLDTTYPAQNKKLAEYILAQNGAIITEFLPGTPPLQQHFPRR   223
NTDB id 1043 HON27 RS16615 WP 168727007.1    YLSEKGFFISSGLAYGIDEAAHQGAS.THQRTIAVTGTGLDTTYPAQNKKLAEHILAKNGAIITEFLPGTPPLQQHFPRR   223
NTDB id 114 BSU 16110 NP 389493.1            EICRKGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHM.AKHHILLSEHPPETKPQKWHFPMR   214
NTDB id 626 LCA RS04960 WP 011374694.1       GLT.A.TTIISGLAQGADAMAHEVALQRGLAPIGVIGTGINCSYPPQNEHLQQVV.AEKGLLLSEYALGTPARRYQFPAR   212
NTDB id 599 KW2 RS05940 WP 021037268.1       ELN.QSFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYL.AKYQLVLSEYSLGEKPLKYHFPER   207
NTDB id 525 SMSK321 RS06295 WP 000705298.1   GLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.SNDHLVLSEYGPGEQPLKFHFPAR   208
NTDB id 267 KZH43 RS05590 WP 000705306.1     GLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPAR   208
NTDB id 226 SPD RS05990 WP 000705306.1       GLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPAR   208
NTDB id 192 SPR RS05715 WP 000705306.1       GLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPAR   208
NTDB id 157 SP RS06205 WP 000705306.1        GLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPAR   208
NTDB id 497 SM12261 RS05565 WP 000705318.1   GLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYI.GNDHLVLSEYGPGEQPLKFHFPAR   208
NTDB id 29296 SALIVB RS04520 WP 004182435.1  ELG.NHFTIVSGLACGIDTCAHMEALKNKGNTIAVIGTGLDVYYPKENKALQDYM.AKNHLVLTEYGPGEQPLKYHFPER   206
NTDB id 407 SMU RS04605 WP 002262865.1       DLS.KQFVITSGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYI.AKNHLLLSEYEAQSQPLKYHFPER   206
consensus                                      *   *   *!*!!!!*!*!***!****  ****!*!***!****!!*  !******* *   *****!**********!! !
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NTDB id 1073 ABD1 RS00865 WP 015451369.1     NRIVSGLSLGVLVVEATLKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILIDHPEQIIEDLALPTQWQS   303
NTDB id 1043 HON27 RS16615 WP 168727007.1    NRIVSGLSLGVLVVEATLKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILIDHPEQIIEDLALPTQWQS   303
NTDB id 114 BSU 16110 NP 389493.1            NRIISGLSEGVIVVQCKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYT   294
NTDB id 626 LCA RS04960 WP 011374694.1       NKIIAGLCHSLIVTEARHKSGSLITANLALQANRNVYAIPGRIDQSLSQGCNQLIAAGATPLLDKNILIEELRYFD....   288
NTDB id 599 KW2 RS05940 WP 021037268.1       NRIIAGLSRGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.....   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1   NRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......   282
NTDB id 267 KZH43 RS05590 WP 000705306.1     NRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......   282
NTDB id 226 SPD RS05990 WP 000705306.1       NRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......   282
NTDB id 192 SPR RS05715 WP 000705306.1       NRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......   282
NTDB id 157 SP RS06205 WP 000705306.1        NRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......   282
NTDB id 497 SM12261 RS05565 WP 000705318.1   NRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF......   282
NTDB id 29296 SALIVB RS04520 WP 004182435.1  NRIISGLCQGVMVVEAKLRSGSLITCERAMEEGRDVFAIPGNILDGKSDGCHHLIQEGAKCITTGFDILSEFS.......   279
NTDB id 407 SMU RS04605 WP 002262865.1       NRIIAGLSQGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF......   280
consensus                                    !*!**!!* ***! *****!!!!!!***!**********!! **** **!***!!**!!********** ** *
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NTDB id 1073 ABD1 RS00865 WP 015451369.1     QQQNQTEEANTNTPEIREHLIDLYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLRCRS   376
NTDB id 1043 HON27 RS16615 WP 168727007.1    QQQNQTEETNTNTPEIPEHLIDLYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLRCRS   376
NTDB id 114 BSU 16110 NP 389493.1            EPF.........................................................................   297
NTDB id 626 LCA RS04960 WP 011374694.1       .........................................................................   288
NTDB id 599 KW2 RS05940 WP 021037268.1       .........................................................................   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1   .........................................................................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1     .........................................................................   282
NTDB id 226 SPD RS05990 WP 000705306.1       .........................................................................   282
NTDB id 192 SPR RS05715 WP 000705306.1       .........................................................................   282
NTDB id 157 SP RS06205 WP 000705306.1        .........................................................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1   .........................................................................   282
NTDB id 29296 SALIVB RS04520 WP 004182435.1  .........................................................................   279
NTDB id 407 SMU RS04605 WP 002262865.1       .........................................................................   280
consensus
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X non conserved
X similar
X ≥ 50% conserved