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NTDB id 1342 RA0C RS05130 WP 004918085.1      ..MVNAEEILYSIALRRSPLVGDVIFASLVSEVGSAKEA....WGLSKLELRKISGVGK....QIASNIGDKNLLKFAEK   70
NTDB id 1037 TT RS09535 WP 011174226.1        .........MDPLALALLPGIGPKRLLEVLKAED.................PLGFLRERFPEAWRHLPEA.EAQAE        49
NTDB id 40 MW RS06080 WP 000593192.1          MIK.....L...............FLLKLYWAHFSTKQIHQFLMAYPNV..IKEEGRKKDSYLCEWVNREENVHLLRK      56
NTDB id 25 SA RS06185 WP 000593194.1          MIK.....L...............FLLKLYWAHFSTKQIHQFLMAYPNV..IKEEGRKKDSYLCEWVNREENVLLLRK      56
NTDB id 1152 A1552VC RS00200 WP 000654772.1   ...MKDQDLAAWLALCFTPKLGSKTISHLLATRL.PAQL......QSFTP.KQWLACG.LKPEQLVFLTTQAA......K     62
NTDB id 1399 DSB67 RS15600 WP 010645755.1     MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDT.PSNI......VQYST.EQLQLLG.LTAKQLQAW.SQVD......K     64
NTDB id 114 BSU 16110 NP 389493.1             .....MDQAAVCLTICRINQL..LSPSLLLKWWK.ADPS......MSLTSP.VLQTVT.RDQIKA.AALKNEIE.QFYPK    62
NTDB id 1388 A4U84 RS04945 WP 062924099.1     .....MTHLTKLLALLQVPQLGAQRIGRLLSE.VDFGEF......CQYDK.TALKQMG.WNERQIQRWFNPE......HK    60
NTDB id 1021 ACIAD RS00975 WP 004930462.1     MITILSSHHYHTIKVWYVLQHSLSGFKKLIHYFGDCETA......LQPQRLSDWQKLG.LHANHLKRLEEVHTL.QGQQQ   72
NTDB id 1073 ABD1 RS00865 WP 015451369.1      MLTQLSSHHYHTLKVWYLVQHSLVSFKKIIDYFGNCEKA......TQPDGLAKWSSLG.LHANHLKRVNEFQTT.QGQAQ   72
NTDB id 1043 HON27 RS16615 WP 168727007.1     MLTQLSSHQYHTLKVWYLVQHSLVSFKKIIDYFGNCEKA......TQPDGLAKWSSLG.LHANHLKRVNEFQTP.QGQAQ   72
NTDB id 599 KW2 RS05940 WP 021037268.1        ..MITNFDLFRWKKA.G...MTNLGVNKLLKFFRKYDRK......TSLRQMGQVAQVK.SIPNFIEQYKNQDVK.KLRAD   66
NTDB id 407 SMU RS04605 WP 002262865.1        ...MDNFQLFKLKKA.G...LTNLNILNIIDYEERTQKS......LSLRDMAVVSKNK.KPLIFMEHYKNLDSK.ALRKE   65
NTDB id 525 SMSK321 RS06295 WP 000705298.1    .MKITNYEIYKLKKS.G...LTNQQILKVLEYGENVDQE......LLLGDIADISGCR.NPAVFMERYFQIDDA.HLEKE   67
NTDB id 497 SM12261 RS05565 WP 000705318.1    .MKITNYEIYKLKKS.G...LTNQQVLAVLEYGENVDQE......LLLGDIAEISGCR.NPAVFMERYFQIDDA.HLEKE   67
NTDB id 267 KZH43 RS05590 WP 000705306.1      .MKITNYEIYKLKKS.G...LTNQQILKVLEYGENVDQE......LLLGDIADISGCR.NPAVFMERYFQIDDA.HLSKE   67
NTDB id 226 SPD RS05990 WP 000705306.1        .MKITNYEIYKLKKS.G...LTNQQILKVLEYGENVDQE......LLLGDIADISGCR.NPAVFMERYFQIDDA.HLSKE   67
NTDB id 192 SPR RS05715 WP 000705306.1        .MKITNYEIYKLKKS.G...LTNQQILKVLEYGENVDQE......LLLGDIADISGCR.NPAVFMERYFQIDDA.HLSKE   67
NTDB id 157 SP RS06205 WP 000705306.1         .MKITNYEIYKLKKS.G...LTNQQILKVLEYGENVDQE......LLLGDIADISGCR.NPAVFMERYFQIDDA.HLSKE   67
NTDB id 1094 KZH42 RS01320 WP 002224767.1     ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNA......LSAPAE.QVAALI.RHKQALEAWRNAEKR.ALARQ   68
NTDB id 1089 NMB RS00600 WP 002224767.1       ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNA......LSAPAE.QVAALI.RHKQALEAWRNAEKR.ALARQ   68
NTDB id 1122 OK783 RS09595 WP 003705341.1     ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNA......LSAPAE.QVAPAV.RHKHALEAWRNAEKR.ALARQ   68
NTDB id 1120 NGFG RS10355 WP 020997408.1      ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNA......LSAPAE.QVAPAV.RHKHALEAWRNAEKR.ALARQ   68
NTDB id 1250 GCO85 RS13065 WP 027219989.1     ....MNNLQ.PLLALNRMKRIGPRTVLKLQKRWPDLNLM......FQLSSV.DLEE......AGLPSWLAQTIK.NFDPD   61
NTDB id 1145330 DXE27 RS10400 WP 415064440.1  ...........................................................................         0
NTDB id 1361 HI 0985 AAC22646.1               ....MNDITYTLLRLMQVPKLGGVGIDKILSN.ITLNEL......LNYDDV.AFRQMG.WGAIQIRRWFKP......EAK   61
consensus                                                        *         **         *          *          *   *
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logo                                                                                                                                          
NTDB id 1342 RA0C RS05130 WP 004918085.1    ...EIEF...CI.....KNEIKIHLRHLNQLPRLLGECYDAPAILFQKGDYEDTA..NNISIVGTRNATAYGKSFLEDLI    137
NTDB id 1037 TT RS09535 WP 011174226.1      .........RERRRAEALGVRLLGLWEEGFPEGLKALPQPPTHLYLKGELPPER..EAVALVGTRRASPWALAFARKLA    117
NTDB id 40 MW RS06080 WP 000593192.1        YYAFIKLDHNDIIKELQKLKVSYITYMDSEYPVLLKEIYQFPLLFYKGNIKLINNMHHLAVVGARDSISYTQQSLEFLL    136
NTDB id 25 SA RS06185 WP 000593194.1        YYAFIKLDHNDIIKELQKLKVSYITYMDSEYPVLLKEIYQFPLLFYKGNIKLINNMHHLAVVGARDSISYTQQSLEFLL    136
NTDB id 1152 A1552VC RS00200 WP 000654772.1 ...QAEQ...CLQWRSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHD.PAVAIVGSRNASVDGRQIARQFA    135
NTDB id 1399 DSB67 RS15600 WP 010645755.1   ...EVDA...CLTWVAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQ.PQIAMVGSRNASVDGLQHTRTFA    137
NTDB id 114 BSU 16110 NP 389493.1           ...LPRV...LAA..YREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLT    134
NTDB id 1388 A4U84 RS04945 WP 062924099.1   ...WIDQ...ALQWAE.QDQQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSL.PQIAIVGSRDYSHYGEHWAGHFS    132
NTDB id 1021 ACIAD RS00975 WP 004930462.1   ...FEKM...LAQ..LQTHTDFIVTPDDPAYPSQLIPYQDRPPILFGQGSIQSLIQ.PQIAVVGSRKPSPHGRQVAYDFS    143
NTDB id 1073 ABD1 RS00865 WP 015451369.1    ...FEQL...VQQ..VRQHTDFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQ.PQIAIVGSRKPSPHGRQVAYDFA    143
NTDB id 1043 HON27 RS16615 WP 168727007.1   ...FEQL...VQQ..VRQHTDFILTPDDSGYPTQLLPYTDHPPIIFGKGQAQALLQ.PQIAIVGSRKPSPHGRQVAYDFA    143
NTDB id 599 KW2 RS05940 WP 021037268.1      ...YKKF.............SSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIV    128
NTDB id 407 SMU RS04605 WP 002262865.1      ...FNRF.............PSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKII    127
NTDB id 525 SMSK321 RS06295 WP 000705298.1  ...FKKI.............PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKII    129
NTDB id 497 SM12261 RS05565 WP 000705318.1  ...FQKF.............PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI    129
NTDB id 267 KZH43 RS05590 WP 000705306.1    ...FQKF.............PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI    129
NTDB id 226 SPD RS05990 WP 000705306.1      ...FQKF.............PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI    129
NTDB id 192 SPR RS05715 WP 000705306.1      ...FQKF.............PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI    129
NTDB id 157 SP RS06205 WP 000705306.1       ...FQKF.............PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI    129
NTDB id 1094 KZH42 RS01320 WP 002224767.1   ...AAEA...ALEWEM.RDGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHK.PSAAIVGSRHATPQAMRIAKDFG    140
NTDB id 1089 NMB RS00600 WP 002224767.1     ...AAEA...ALEWEM.RDGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHK.PSAAIVGSRHATPQAMRIAKDFG    140
NTDB id 1122 OK783 RS09595 WP 003705341.1   ...AAEA...ALEWEM.RDGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHK.PSAAIVGSRHATPQAMRIAKDFG    140
NTDB id 1120 NGFG RS10355 WP 020997408.1    ...AAEA...ALEWEM.RDGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHK.PSAAIVGSRHATPQAMRIAKDFG    140
NTDB id 1250 GCO85 RS13065 WP 027219989.1   ...FIKT...DLNWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFS    134
NTDB id 1145330 DXE27 RS10400 WP 415064440.1 ..........                                                                             0
NTDB id 1361 HI 0985 AAC22646.1             ...FIEP...ALVWSQ.KEGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQ.RQMAMVGSRYCITYGEYWAKHFA    133
consensus                                     **     *   **   *     *       *    ** *****  *    * ******* *    *
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NTDB id 1342 RA0C RS05130 WP 004918085.1      VQFKNKNIQVISGLALGTDGIAHQEALKNNIKTSAVLAHGLHIIYPSKHKILAEEILNNGGALFSEFCSDEKPDREHFLQ  217
NTDB id 1037 TT RS09535 WP 011174226.1         RELSEAGLWVVSGLARGIDREAHLGALEAGGRTLGVLGSALDRVYPPENRPLAQRMD.....LLSEFPFGTGKPKEFFPR  192
NTDB id 40 MW RS06080 WP 000593192.1           SNDKSKYLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIE.EKGLVISEYPPHTPIAKYRFPE  215
NTDB id 25 SA RS06185 WP 000593194.1           SNDKSKYLTIVSGLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRNKIE.EKGLVISEYPPHTPIAKYRFPE  215
NTDB id 1152 A1552VC RS00200 WP 000654772.1    TELAQSGLVVTSGLALGIDGYAHDGALQAQGQTVAVLGSLAQVYPKQHQGLAERII.AQGALVSEFAPHTPPKADHFPR  214
NTDB id 1399 DSB67 RS15600 WP 010645755.1      SDLVQHDLIVTSGLALGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVA.ENGALVSEFRPDAKPRAENFPR  216
NTDB id 114 BSU 16110 NP 389493.1              KEICRKGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMA.KHHILLSEHPPETKPQKWHFPM  213
NTDB id 1388 A4U84 RS04945 WP 062924099.1      AELVKHQLAVTSGLAIGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPR  212
NTDB id 1021 ACIAD RS00975 WP 004930462.1      YFLSEKGFYITSGLAHGIDEAAHQGSLVH.HRAIAVVGTGLDLCYPSGNKALKQHIRDQGGAIVSEFLPGTPPLQAHFPR  222
NTDB id 1073 ABD1 RS00865 WP 015451369.1       YYLSEKGFFISSGLAYGIDEAAHQGASAH.QRTIAVTGTGLDTTYPAQNKKLAEYILAQNGAIITEFLPGTPPLQQHFPR  222
NTDB id 1043 HON27 RS16615 WP 168727007.1      YYLSEKGFFISSGLAYGIDEAAHQGASTH.QRTIAVTGTGLDTTYPAQNKKLAEHILAKNGAIITEFLPGTPPLQQHFPR  222
NTDB id 599 KW2 RS05940 WP 021037268.1         TELN.QSFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLA.KYQLVLSEYSLGEKPLKYHFPE  206
NTDB id 407 SMU RS04605 WP 002262865.1         QDLS.KQFVIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIA.KNHLLLSEYEAQSQPLKYHFPE  205
NTDB id 525 SMSK321 RS06295 WP 000705298.1     QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIS.NDHLVLSEYGPGEQPLKFHFPA  207
NTDB id 497 SM12261 RS05565 WP 000705318.1     QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPA  207
NTDB id 267 KZH43 RS05590 WP 000705306.1       QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPA  207
NTDB id 226 SPD RS05990 WP 000705306.1         QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPA  207
NTDB id 192 SPR RS05715 WP 000705306.1         QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPA  207
NTDB id 157 SP RS06205 WP 000705306.1          QGLE.NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIG.NDHLVLSEYGPGEQPLKFHFPA  207
NTDB id 1094 KZH42 RS01320 WP 002224767.1      KSLGGKGIPVVSGMASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIA.EKGLIVSEFPIGTRPYAGNFPR  219
NTDB id 1089 NMB RS00600 WP 002224767.1        KSLGGKGIPVVSGMASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIA.EKGLIVSEFPIGTRPYAGNFPR  219
NTDB id 1122 OK783 RS09595 WP 003705341.1      RALGGKGIPTVSGMASGIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIA.EKGLIVSEFPIGTRPYAGNFPR  219
NTDB id 1120 NGFG RS10355 WP 020997408.1       RALGGKGIPTVSGMASGIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIA.EKGLIVSEFPIGTRPYAGNFPR  219
NTDB id 1250 GCO85 RS13065 WP 027219989.1      REISRHGVSIVSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQIT.ENGLLLSEFPLKSPPIAGHFPL  213
NTDB id 1145330 DXE27 RS10400 WP 415064440.1   ..............................................................................    0
NTDB id 1361 HI 0985 AAC22646.1                TELSLAGFTITSGLALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQTIENNGALVSEFLPNQAPIAANFPR  213
consensus                                        *  *   * ******  **  ***  *  * ********** **  ** *  *     ***** *      **
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RNRIIAGLSRGVLVVEAKLRSGSLITABRALEQCREVFAIPGSIDPSPGCHLLIQEGAKLVTSQDILEEL

NTDB id 1342 RA0C RS05130 WP 004918085.1	RNRIVAGLSANTIVVESAYAGGSISTASFANQYNREVYALAGRLTDKYSQGCNHLIFQNKAKIISSIKGLLKDLDLDNTS	297
NTDB id 1037 TT RS09535 WP 011174226.1	RNRLIAGLCRAVVVVEAPLDSGALITARHALELGKEVLAVPGRPMDERSLGANRLIQ.DGAYPVLSAEDVLSYLGMSARP	271
NTDB id 40 MW RS06080 WP 000593192.1	RNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQ.EGAKVVLNANDIFEDYYI....	290
NTDB id 25 SA RS06185 WP 000593194.1	RNRIISGLSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQ.EGAKVVLNANDIFEDYYI....	290
NTDB id 1152 A1552VC RS00200 WP 000654772.1	RNRIISGLSLGVLVVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIR.QGACLVQSVQQIHQELKNALTW	293
NTDB id 1399 DSB67 RS15600 WP 010645755.1	RNRIISGLSLGVLVVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQ.NGACLVQNTQEVLNEIQSLLDW	295
NTDB id 114 BSU 16110 NP 389493.1	RNRIISGLSEGVIVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQ.QGAKAIWSAEDIFEELPERNVQ	292
NTDB id 1388 A4U84 RS04945 WP 062924099.1	RNRIISGLSLGTLVIEATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIK.EGALLVENVEDILEAIAWQRQS	291
NTDB id 1021 ACIAD RS00975 WP 004930462.1	RNRIVSGLSLGVLVVEATLKSGSLITANKAAEQGKVTVFAIPGHIYSEFHQGCHQLIR.EGAILVDHPEQIIEDLALPTHW	301
NTDB id 1073 ABD1 RS00865 WP 015451369.1	RNRIVSGLSLGVLVVEATLKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIR.EGAILTDHPEQIIEDLALPTQW	301
NTDB id 1043 H0N27 RS16615 WP 168727007.1	RNRIVSGLSLGVLVVEATLKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIR.EGAILIDHPEQIIEDLALPTQW	301
NTDB id 599 KW2 RS05940 WP 021037268.1	RNRIIAGLSRGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQ.QGAKLVYQAQDILEEYLYN...	282
NTDB id 407 SMU RS04605 WP 002262865.1	RNRIIAGLSQGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQ.EGAKCITSGFDILNEFNF....	280
NTDB id 525 SMSK321 RS06295 WP 000705298.1	RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQ.EGAKLVTSGQDVLAEFEF....	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQ.EGAKLVTSGQDVLAEFEF....	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQ.EGAKLVTSGQDVLAEFEF....	282
NTDB id 226 SPD RS05990 WP 000705306.1	RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQ.EGAKLVTSGQDVLAEFEF....	282
NTDB id 192 SPR RS05715 WP 000705306.1	RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQ.EGAKLVTSGQDVLAEFEF....	282
NTDB id 157 SP RS06205 WP 000705306.1	RNRIIAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQ.EGAKLVTSGQDVLAEFEF....	282
NTDB id 1094 KZH42 RS01320 WP 002224767.1	RNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIK.DGAKLVECLDDILNECPGLLQN	298
NTDB id 1089 NMB RS00600 WP 002224767.1	RNRLIAALSQVTLVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIK.DGAKLVECLDDILNECPGLLQN	298
NTDB id 1122 OK783 RS09595 WP 003705341.1	RNRLIAALSQVTLVVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIK.DGAKLTECLDDILNECPGLLQN	298
NTDB id 1120 NGFG RS10355 WP 020997408.1	RNRLIAALSQVTLVVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIK.DGAKLTECLDDILNECPGLLQN	298
NTDB id 1250 GCO85 RS13065 WP 027219989.1	RNRIISGLSLCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQ.QGAKLVTSVADVLDELKIEHHQ	292
NTDB id 1145330 DXE27 RS10400 WP 415064440.1	..............................MPGSIQSANSGGCHLLIQ.QGAKLVRGLADILEDLHL....	36
NTDB id 1361 HI 0985 AAC22646.1	RNRIISGLSVGTLVVEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIK.QGAMLVENAKDILETLYQHSIH	292

consensus   ***** ** *** **** ** * ****** * **********   * !** ** **!*** *** *

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NTDB id 1342 RAOC RS05130 WP 004918085.1      KVLELFPS................................VEVSLTPVQEPVYDIIKEVNDISLDDLSEKLNQPISKVFPVL   347
NTDB id 1037 TT RS09535 WP 011174226.1        KPLP....................................GLSPEEEALYALLQEKKEALPEALAMALGIPPERVLSLL   314
NTDB id 40 MW RS06080 WP 000593192.1          ..........................................................................   290
NTDB id 25 SA RS06185 WP 000593194.1          ..........................................................................   290
NTDB id 1152 A1552VC RS00200 WP 000654772.1   SLSEQVPYQA...................TLFSAVQS....DEELPFPELLANVGI.EATPIDILASRTQIPVQDIMMQL   349
NTDB id 1399 DSB67 RS15600 WP 010645755.1     SINQSL......................DLFSAPID....EEELPFPQLLANVGN.EATPVDILASRTNIPVQEVMMQL   347
NTDB id 114 BSU 16110 NP 389493.1             YTEPF.....................................................................   297
NTDB id 1388 A4U84 RS04945 WP 062924099.1     VHIQPSLFDT....KP......KQAVKSEPKF....AKNLPELTACQQQLFEQISL.EPISVDDLAKATDMAVETALIEL   356
NTDB id 1021 ACIAD RS00975 WP 004930462.1     HSQSTASGEANADDSG.....................KTDDADLPDDLLPLYQLLDW.QGQDLDQLAQHYQGSTAELTAQL   360
NTDB id 1073 ABD1 RS00865 WP 015451369.1      QSQQQNQT.....EEA................NTNTPEIREHLIDLYQSLDW.VGQNIDQLVVHHNIPVSELTSSL   355
NTDB id 1043 HON27 RS16615 WP 168727007.1     QSQQQNQT.....EET................NTNTPEIPEHLIDLYQSLDW.VGQNIDQLVVHHNIPVSELTSSL   355
NTDB id 599 KW2 RS05940 WP 021037268.1        ..........................................................................   282
NTDB id 407 SMU RS04605 WP 002262865.1        ..........................................................................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1    ..........................................................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1    ..........................................................................   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 1094 KZH42 RS01320 WP 002224767.1     TGASSYSINKGIPEKRITAVQTASDQLSLPEGKMPSE..KTENRPVGGSILDRMGF.DPVHPDVLAGQLAMPAADLYAAL   375
NTDB id 1089 NMB RS00600 WP 002224767.1        TGASSYSINKGIPEKRITAVQTASDQLSLPEGKMPSE..KTENRPVGGSILDRMGF.DPVHPDVLAGQLAMPAADLYAAL   375
NTDB id 1122 OK783 RS09595 WP 003705341.1     TGASSYSINKDTPDTGRRAVQTAY..APPPAAKMPSE..GAAGGTAVGGILDKMGF.DPVHPDVLAGQLAMPAADLYAAL   373
NTDB id 1120 NGFG RS10355 WP 020997408.1      TGASSYSINKDTPDTGRRTVQTAY..APPPAAKMPSE..GAAGGTAVGGILDKMGF.DPIHPDVLAGQLAMPAADLYAAL   373
NTDB id 1250 GCO85 RS13065 WP 027219989.1     F.....TSNK................PIF........SLASGKENLVKFIGF.ETTTIDQIIDRSGYGMEQVTSGL   338
NTDB id 1145330 DXE27 RS10400 WP 415064440.1  ..........................................................................    36
NTDB id 1361 HI 0985 AAC22646.1               S.....QTEI...........DFDQIAVPNYTPPPDPRRLVEAPSHPKLYSRIGY.TPVSIDDLAEEFNLSVDVLLVQL   354
consensus
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                                              LELELlGLVaAvPGGYrRiRi

NTDB id 1342 RA0C RS05130 WP 004918085.1    LELELLGLIRANSGRRYSII....    367
NTDB id 1037 TT RS09535 WP 011174226.1      TLLELKGLARALPGGRYGPG....    334
NTDB id 40 MW RS06080 WP 000593192.1        ........................    290
NTDB id 25 SA RS06185 WP 000593194.1        ........................    290
NTDB id 1152 A1552VC RS00200 WP 000654772.1 LELELLGHVVAVPGGYIRKGRG..    371
NTDB id 1399 DSB67 RS15600 WP 010645755.1   LELELSGHVVAVSGGYIRKGRG..    369
NTDB id 114 BSU 16110 NP 389493.1           ........................    297
NTDB id 1388 A4U84 RS04945 WP 062924099.1   LNLELLGVVKQVRGGYVIT.....    375
NTDB id 1021 ACIAD RS00975 WP 004930462.1   MELELLGVCIQQSGRY.LRCRSPY    383
NTDB id 1073 ABD1 RS00865 WP 015451369.1    MELELLGLCMQQSGLY.LRCRS..    376
NTDB id 1043 HON27 RS16615 WP 168727007.1   MELELLGLCMQQSGLY.LRCRS..    376
NTDB id 599 KW2 RS05940 WP 021037268.1      ........................    282
NTDB id 407 SMU RS04605 WP 002262865.1      ........................    280
NTDB id 525 SMSK321 RS06295 WP 000705298.1  ........................    282
NTDB id 497 SM12261 RS05565 WP 000705318.1  ........................    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 1094 KZH42 RS01320 WP 002224767.1   LELELDGSVAAMPGGRYQRIRT..    397
NTDB id 1089 NMB RS00600 WP 002224767.1     LELELDGSVAAMPGGRYQRIRT..    397
NTDB id 1122 OK783 RS09595 WP 003705341.1   LELELDGSVAAMPGGRYQRIRT..    395
NTDB id 1120 NGFG RS10355 WP 020997408.1    LELELDGSVAAMPGGRYQRIRT..    395
NTDB id 1250 GCO85 RS13065 WP 027219989.1   AELELKGAVIAVPGGY.IRCEYER    361
NTDB id 1145330 DXE27 RS10400 WP 415064440.1 ........................   36
NTDB id 1361 HI 0985 AAC22646.1             LDLELQDLIISENGLY.KRV....    373
consensus


                                            X   non conserved
                                            X   similar
                                            X   ≥ 50% conserved
```