logo

MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR
NTDB id 1306 DR RS10060 WP 027479822.1   MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR   80
NTDB id 232177 B4U42 RS11035 WP 005711779.1   0
NTDB id 1384 A4U84 RS08525 WP 010787006.1   0
NTDB id 1366 NTHI RS01950 WP 011271972.1   0
NTDB id 1355 HI 0298 AAC21962.1   0
NTDB id 1168 A1552VC RS11070 WP 000957200.1   0
NTDB id 1293 VP RS12240 WP 005479695.1   0
NTDB id 1401 DSB67 RS12665 WP 010643259.1   0
NTDB id 1110 NGFG RS09235 WP 003689817.1   0
NTDB id 1251 GCO85 RS07725 WP 011946523.1   0
NTDB id 1018 ACIAD RS01685 WP 004920473.1   0
NTDB id 1058 ABD1 RS01615 WP 001274986.1   0
consensus

logo

SIRPQTALNLQAFPFALEGDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGASDA
NTDB id 1306 DR RS10060 WP 027479822.1   SIRPQTALNLQAFPFALEGDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGASDA   160
NTDB id 232177 B4U42 RS11035 WP 005711779.1   0
NTDB id 1384 A4U84 RS08525 WP 010787006.1   0
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NTDB id 1355 HI 0298 AAC21962.1   0
NTDB id 1168 A1552VC RS11070 WP 000957200.1   0
NTDB id 1293 VP RS12240 WP 005479695.1   0
NTDB id 1401 DSB67 RS12665 WP 010643259.1   0
NTDB id 1110 NGFG RS09235 WP 003689817.1   0
NTDB id 1251 GCO85 RS07725 WP 011946523.1   0
NTDB id 1018 ACIAD RS01685 WP 004920473.1   0
NTDB id 1058 ABD1 RS01615 WP 001274986.1   0
consensus

logo

GRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVLGSM
NTDB id 1306 DR RS10060 WP 027479822.1   GRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVLGSM   240
NTDB id 232177 B4U42 RS11035 WP 005711779.1   0
NTDB id 1384 A4U84 RS08525 WP 010787006.1   0
NTDB id 1366 NTHI RS01950 WP 011271972.1   0
NTDB id 1355 HI 0298 AAC21962.1   0
NTDB id 1168 A1552VC RS11070 WP 000957200.1   0
NTDB id 1293 VP RS12240 WP 005479695.1   0
NTDB id 1401 DSB67 RS12665 WP 010643259.1   0
NTDB id 1110 NGFG RS09235 WP 003689817.1   0
NTDB id 1251 GCO85 RS07725 WP 011946523.1   0
NTDB id 1018 ACIAD RS01685 WP 004920473.1   0
NTDB id 1058 ABD1 RS01615 WP 001274986.1   0
consensus

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                                              LRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQRGRLGEQLVQEGTLSRDQL
NTDB id 1306 DR RS10060 WP 027479822.1        LRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQRGRLGEQLVQEGTLSRDQL  320
NTDB id 232177 B4U42 RS11035 WP 005711779.1   ..............................................................................    0
NTDB id 1384 A4U84 RS08525 WP 010787006.1     ..............................................................................    0
NTDB id 1366 NTHI RS01950 WP 011271972.1      ..............................................................................    0
NTDB id 1355 HI 0298 AAC21962.1               ..............................................................................    0
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ..............................................................................    0
NTDB id 1293 VP RS12240 WP 005479695.1        ..............................................................................    0
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ..............................................................................    0
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..............................................................................    0
NTDB id 1251 GCO85 RS07725 WP 011946523.1     ..............................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ..............................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ..............................................................................    0
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NTDB id 1306 DR RS10060 WP 027479822.1        REALQVQAREGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLVQSGKLSPEMLARSLAAQLGYEFLDPIQNPP  400
NTDB id 232177 B4U42 RS11035 WP 005711779.1   ...........................................MSQYTI.....CEQQTERIFD........ISP         19
NTDB id 1384 A4U84 RS08525 WP 010787006.1     ...........................................MSQYTI.....CEQQTERIFD........ISP         19
NTDB id 1366 NTHI RS01950 WP 011271972.1      ...........................................MTSYALLHTQRVTAQNGEIFT........ISP         24
NTDB id 1355 HI 0298 AAC21962.1               ...........................................MTSYALLHTQRVTAKNGEVFT........ISP         24
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ..........MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALLELSIFHAQELTEQLSHIFGLPETDLSRYDY     69
NTDB id 1293 VP RS12240 WP 005479695.1        ..........MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGLSQPELSQYEY     69
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ..........MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQYEY     69
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..........MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRHYPR     68
NTDB id 1251 GCO85 RS07725 WP 011946523.1     ...MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINCIDV     77
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ...MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIISLEFGEPLLDLGVFDP     77
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDVYDT     77
consensus                                                        *      *              *    * **  ** **    *    * ***  **
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NTDB id 1306 DR RS10060 WP 027479822.1        DPKVALMIPEATARRYVVVPVRLQGNSLVVAMKDPRNVFALDDLKLITGKEILPAVMAEKDTIRLIERYFGEKGFEKLNK  480
NTDB id 232177 B4U42 RS11035 WP 005711779.1   SRWQKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTACEIFAFMTHKQTEPVVIASDELKYLLNALSPEQQPIYE..   97
NTDB id 1384 A4U84 RS08525 WP 010787006.1     SRWQKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTACEIFAFMTHKQTEPVVIASDELKYLLNALSPEQQPIYE..   97
NTDB id 1366 NTHI RS01950 WP 011271972.1      DLWERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPILLESSQLKELLQQLTPHQMQVEE..  102
NTDB id 1355 HI 0298 AAC21962.1               DLWERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPILLESSQLKELLQQLTPNQMQVEE..  102
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ANLCQQLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEEEFRFATGLQVELALADHRALQAAIRRLYGRSIQGAANQ  149
NTDB id 1293 VP RS12240 WP 005479695.1        ASLCQQLGLRELITRHNALPLHRTPSTLLLAVADPTNQQAEDDFRFATGLQVELVLADFRELSTAIRRLYGRSLSHEKSG  149
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLADFRELTAAIRRLYGRSLGQEKSG  149
NTDB id 1110 NGFG RS09235 WP 003689817.1      HRVLMGVLTEEQMVEHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAGIAVELVIVEDDQLAGLLDWVGSRSTSL..LQ   146
NTDB id 1251 GCO85 RS07725 WP 011946523.1     GTIPVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSE  157
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSKLKVEPIVIHDKLERLLSEHFVEETHFNFDT  157
NTDB id 1058 ABD1 RS01615 WP 001274986.1      SQIPKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSKLVEPIVVEHHKLEKVLGQHFAEESSFDFND  157
consensus                                               **   ** ** **!*     ** *****  ******** *     *  *** *******    *  ** *
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Sequence	Alignment	Pos
NTDB id 1306 DR RS10060 WP 027479822.1	EL..........AERNKTQQSQEADLSVADESAIVQVVDSIIREAALQDASDIHIETTEDAVKVRYRIDGALREQNSFP	549
NTDB id 232177 B4U42 RS11035 WP 005711779.1	..............ESELAFVEQEQEQLNLNDPIIQLLDNLFKFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLYKSLS	162
NTDB id 1384 A4U84 RS08525 WP 010787006.1	..............ESELAFVEQEQEQLNLNDPIIQLLDNLFKFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLYKSLS	162
NTDB id 1366 NTHI RS01950 WP 011271972.1	..............QVKFYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVLQPQPLIS	167
NTDB id 1355 HI 0298 AAC21962.1	..............QVKFYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVLQPQPLIS	167
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GK..EISQDELANLVKVSDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQPA	227
NTDB id 1293 VP RS12240 WP 005479695.1	LK..EINQEELASLVDVGADEIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCDGILIETQQPP	227
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LK..EINQDELAGLVDIGEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQQPP	227
NTDB id 1110 NGFG RS09235 WP 003689817.1	EL.........GEGQEEEESHTLYIDNEEAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVDGQLREVVQPP	217
NTDB id 1251 GCO85 RS07725 WP 011946523.1	YVEDSGDLEGLEISAD.DEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQDGILHEVATPP	236
NTDB id 1018 ACIAD RS01685 WP 004920473.1	E...ELD...LDVEVDPHTTDDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIATPP	231
NTDB id 1058 ABD1 RS01615 WP 001274986.1	E...EFD...LDVNLDGPTAQEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIANPP	231

consensus

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Sequence	Alignment	Pos
NTDB id 1306 DR RS10060 WP 027479822.1	KGAAQQIMARLKIMGHLDIAERRVPQDGRVRFK..KGSIDLDLRLSTLPTVYGEKAVMRLLQKASNIPELEQLGFSEYNY	627
NTDB id 232177 B4U42 RS11035 WP 005711779.1	IQLASRLISRIKLLAKLDISELRQPQDGQFSFTTAL.ADTLDFRVSSLPTIYGEKLVLRLQKNKPTSFDFLQLGFNPQQQ	241
NTDB id 1384 A4U84 RS08525 WP 010787006.1	IQLASRLISRIKLLAKLDISELRQPQDGQFSFTTAL.ADTLDFRVSSLPTIYGEKLVLRLQKNKPTSFDFLQLGFNPQQQ	241
NTDB id 1366 NTHI RS01950 WP 011271972.1	KIFANRIISRIKLLAKLDISENRLPQDGRFQFKTTF.SDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFAELGMTENQQ	246
NTDB id 1355 HI 0298 AAC21962.1	KIFANRIISRIKLLAKLDISENRLPQDGRFQFKTTF.SDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFSELGMTENQQ	246
NTDB id 1168 A1552VC RS11070 WP 000957200.1	SHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRVSTLPTLFGEKIVLRLLDSSAANLDIDKLGYNPQQK	306
NTDB id 1293 VP RS12240 WP 005479695.1	NHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQK	306
NTDB id 1401 DSB67 RS12665 WP 010643259.1	SHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQK	306
NTDB id 1110 NGFG RS09235 WP 003689817.1	IAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLFGEKVVMRILNSDAASLNIDQLGFEPFQK	297
NTDB id 1251 GCO85 RS07725 WP 011946523.1	ASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIBALGFNPVQR	315
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTIDFRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQK	310
NTDB id 1058 ABD1 RS01615 WP 001274986.1	LQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQK	310

consensus

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Sequence	Alignment	Pos
NTDB id 1306 DR RS10060 WP 027479822.1	ARYTEIIERPNGIFLVTGPTGSGKSFTCFSTLKRIAKPEKNTTTIEDPIEYEVPGIVQSQVNNSTGMTFARALRAFLRQD	707
NTDB id 232177 B4U42 RS11035 WP 005711779.1	TTLLNALKQPQGLILVTGPTGSGKSITLYSALNYLNQMDKHILTAEDPVEIEIDGLIQTQVNRSIQLDFSQLLRTFLRQD	321
NTDB id 1384 A4U84 RS08525 WP 010787006.1	TTLLNALKQPQGLILVTGPTGSGKSITLYSALNYLNQMDKHILTAEDPVEIEIDGLIQTQVNRSIQLDFSQLLRTFLRQD	321
NTDB id 1366 NTHI RS01950 WP 011271972.1	QAFQRSLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIMTAEDPIEIELDGIIQSQINPQIGLDFSRLLRAFLRQD	326
NTDB id 1355 HI 0298 AAC21962.1	QAFQRVLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIMTAEDPIEIELDGIIQSQINPQIGLDFNRLLRTFLRQD	326
NTDB id 1168 A1552VC RS11070 WP 000957200.1	QLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQD	386
NTDB id 1293 VP RS12240 WP 005479695.1	QLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQD	386
NTDB id 1401 DSB67 RS12665 WP 010643259.1	QLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQD	386
NTDB id 1110 NGFG RS09235 WP 003689817.1	KLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQD	377
NTDB id 1251 GCO85 RS07725 WP 011946523.1	TNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQD	395
NTDB id 1018 ACIAD RS01685 WP 004920473.1	ALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQD	390
NTDB id 1058 ABD1 RS01615 WP 001274986.1	ALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQD	390

consensus

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PDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETVRLNMGYQSFNISSLSLVIAQRLARKLCSKCKQP
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NTDB id 1306 DR RS10060 WP 027479822.1	PDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAPGAVTRLEEMGIENFNISAAVMGVLAQRLVRRVCSECKQPT.N	786
NTDB id 232177 B4U42 RS11035 WP 005711779.1	PDIIMLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAVERLLQLGIQEYEIQNSLLLVIAQRLVRKLCKKCRGVG..	399
NTDB id 1384 A4U84 RS08525 WP 010787006.1	PDIIMLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAVERLLQLGIQEYEIQNSLLLVIAQRLVRKLCKKCRGVG..	399
NTDB id 1366 NTHI RS01950 WP 011271972.1	PDIIMLGEIRDEESARIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQHEIENSLLLVIAQRLVRKICPKCGGNL..	404
NTDB id 1355 HI 0298 AAC21962.1	PDIIMLGEIRDEESAMIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQYEIKNSLLLVIAQRLVRKLCSKCGGNL..	404
NTDB id 1168 A1552VC RS11070 WP 000957200.1	PDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAV.R	465
NTDB id 1293 VP RS12240 WP 005479695.1	PDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQPQ.E	465
NTDB id 1401 DSB67 RS12665 WP 010643259.1	PDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQ.E	465
NTDB id 1110 NGFG RS09235 WP 003689817.1	PDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIMAQRLLRRLCSSCKQEVER	457
NTDB id 1251 GCO85 RS07725 WP 011946523.1	PDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDD	475
NTDB id 1018 ACIAD RS01685 WP 004920473.1	PDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRPI.Q	469
NTDB id 1058 ABD1 RS01615 WP 001274986.1	PDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.D	469
consensus	!!*****!!!!!**!*!**!*!!!*!*!!!!!*!**!!!!! ** !!* **!* ******* ***!!!! !**! !*	

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PIAQLLELGFTEDLANFEKLANPVGCNECTDQGYRGRYGIYEVMKFTEEILSEAIMGGSALELEKLANGFTILR
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NTDB id 1306 DR RS10060 WP 027479822.1	ADPEVLRRLGISERDIRG..ANLMRGTGCPRCGGTGYKGRMGIHELMVMDDSLRRTIGAGRPAAEIRDVALGESGLRSLR	864
NTDB id 232177 B4U42 RS11035 WP 005711779.1	........................CDECY.QGYRGRIGVYQCLSRTAK...........KFDKQTA.YLDFSSLR	437
NTDB id 1384 A4U84 RS08525 WP 010787006.1	........................CDECY.QGYRGRIGVYQCLSRTAK...........KFDKQTA.YLDFSSLR	437
NTDB id 1366 NTHI RS01950 WP 011271972.1	....................INSCDCH.QGYRGRIGVYQFLHWQQN............GY......QTDFENLR	439
NTDB id 1355 HI 0298 AAC21962.1	....................ANSCDCH.QGYRGRIGVYQFLHWQQN............DY......QTDFKNLR	439
NTDB id 1168 A1552VC RS11070 WP 000957200.1	PSALLQSQFAFQPNEIL....YEANAAGCNECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAK.ANGMQTLQ	539
NTDB id 1293 VP RS12240 WP 005479695.1	HTVQL.QHLGIQTTDNI....FRANPDGCNECT.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAI.ANGMSTLQ	538
NTDB id 1401 DSB67 RS12665 WP 010643259.1	PNSQL.QHIGIANTEQI....FQANPDGCNECT.HGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAI.ANGMQTLQ	538
NTDB id 1110 NGFG RS09235 WP 003689817.1	PSASALKEVGFTDEDLAK.DWKLYRAVGCDRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAY.KEGMVDLR	535
NTDB id 1251 GCO85 RS07725 WP 011946523.1	FTNQGLIELGFKEADLV..NLKLYKAVGCEQCT.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQ.SEGMLTIF	551
NTDB id 1018 ACIAD RS01685 WP 004920473.1	VPERSLLEMGFTPEDLAQPEFQIFEPVGCHDCR.EGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAE.TLGFNNLR	547
NTDB id 1058 ABD1 RS01615 WP 001274986.1	IPKQSLLEMGFTEQDLAHPDFRVFQPVGCLECR.EGYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASE.KLGFNNLR	547
consensus	* * * ** *! !!*!!*!*!***** * * ** * ** * * ***	

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ESGIEKVQGITSLEVRVLGE
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NTDB id 1306 DR RS10060 WP 027479822.1	QDGIEKALQGLTTLEEVLAVTAS..	887
NTDB id 232177 B4U42 RS11035 WP 005711779.1	ESAKQKIEQQLTNEIEVDRVLGDE.	461
NTDB id 1384 A4U84 RS08525 WP 010787006.1	ESAKQKIEQQLTNETEVDRVLGYE.	461
NTDB id 1366 NTHI RS01950 WP 011271972.1	ESGLEKVSQGITDEKEIERVLGKNS	464
NTDB id 1355 HI 0298 AAC21962.1	ASGLEKVSQGITDEKEIERVLGKNL	464
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ESGLEKLREGITSFAELQRVLYF..	562
NTDB id 1293 VP RS12240 WP 005479695.1	MSGIEKLKQGITSFSELQRVLYF..	561
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MSGIEKLKQGITSFRELQRVLYF..	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	RAGILKIMQGITSLEEVTANTND..	558
NTDB id 1251 GCO85 RS07725 WP 011946523.1	QSGIEKVKEGITTIEEVNRVTVD..	574
NTDB id 1018 ACIAD RS01685 WP 004920473.1	RSGLKKVMQGVTSLQEINRVTSE..	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	RSGLKKVMQGVTSLQEVNRVTSE..	570
consensus	*****!* ***!* !* ***	

X	non conserved
X	similar
X	≥ 50% conserved