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NTDB id 124878 HW08 RS30560 WP 003096624.1	MTLSRVPVTALKGVGAAALAEKLARVGL ETLQDILFHLPLRYQDRTRVTAIGALRPGADAVVEGVVAGADVVMGRRRSLL	80
NTDB id 1361 HI 0985 AAC22646.1	MTLSRVPVTALKGVGAAALAEKLARVGL ETLQDILFHLPLRYQDRTRVTAIGALRPGADAVVEGVVAGADVVMGRRRSLL	0
NTDB id 1466 ASU2 RS09750 WP 015674213.1	MTLSRVPVTALKGVGAAALAEKLARVGL ETLQDILFHLPLRYQDRTRVTAIGALRPGADAVVEGVVAGADVVMGRRRSLL	0
NTDB id 1388 A4U84 RS04945 WP 062924099.1	MTLSRVPVTALKGVGAAALAEKLARVGL ETLQDILFHLPLRYQDRTRVTAIGALRPGADAVVEGVVAGADVVMGRRRSLL	0
NTDB id 1250 GC085 RS13065 WP 027219989.1	MTLSRVPVTALKGVGAAALAEKLARVGL ETLQDILFHLPLRYQDRTRVTAIGALRPGADAVVEGVVAGADVVMGRRRSLL	0
NTDB id 1445 BW25113 RS17035 WP 000228551.1	MTLSRVPVTALKGVGAAALAEKLARVGL ETLQDILFHLPLRYQDRTRVTAIGALRPGADAVVEGVVAGADVVMGRRRSLL	0
NTDB id 1399 DSB67 RS15600 WP 010645755.1	MTLSRVPVTALKGVGAAALAEKLARVGL ETLQDILFHLPLRYQDRTRVTAIGALRPGADAVVEGVVAGADVVMGRRRSLL	0
NTDB id 1152 A1552VC RS00200 WP 000654772.1	MTLSRVPVTALKGVGAAALAEKLARVGL ETLQDILFHLPLRYQDRTRVTAIGALRPGADAVVEGVVAGADVVMGRRRSLL	0
consensus	MTLSRVPVTALKGVGAAALAEKLARVGL ETLQDILFHLPLRYQDRTRVTAIGALRPGADAVVEGVVAGADVVMGRRRSLL	0

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NTDB id 124878 HW08 RS30560 WP 003096624.1	VRLQDGS GTLSLRFYHFSQAQKDGLKRGTHLRCYGEVRPGASGLEIYHPEYRALNGDEPIPVEQTLTPIYPT ..TEGLTQ	158
NTDB id 1361 HI 0985 AAC22646.1	VRLQDGS GTLSLRFYHFSQAQKDGLKRGTHLRCYGEVRPGASGLEIYHPEYRALNGDEPIPVEQTLTPIYPT ..TEGLTQ	11
NTDB id 1466 ASU2 RS09750 WP 015674213.1	VRLQDGS GTLSLRFYHFSQAQKDGLKRGTHLRCYGEVRPGASGLEIYHPEYRALNGDEPIPVEQTLTPIYPT ..TEGLTQ	9
NTDB id 1388 A4U84 RS04945 WP 062924099.1	VRLQDGS GTLSLRFYHFSQAQKDGLKRGTHLRCYGEVRPGASGLEIYHPEYRALNGDEPIPVEQTLTPIYPT ..TEGLTQ	10
NTDB id 1250 GC085 RS13065 WP 027219989.1	VRLQDGS GTLSLRFYHFSQAQKDGLKRGTHLRCYGEVRPGASGLEIYHPEYRALNGDEPIPVEQTLTPIYPT ..TEGLTQ	10
NTDB id 1445 BW25113 RS17035 WP 000228551.1	VRLQDGS GTLSLRFYHFSQAQKDGLKRGTHLRCYGEVRPGASGLEIYHPEYRALNGDEPIPVEQTLTPIYPT ..TEGLTQ	10
NTDB id 1399 DSB67 RS15600 WP 010645755.1	VRLQDGS GTLSLRFYHFSQAQKDGLKRGTHLRCYGEVRPGASGLEIYHPEYRALNGDEPIPVEQTLTPIYPT ..TEGLTQ	15
NTDB id 1152 A1552VC RS00200 WP 000654772.1	VRLQDGS GTLSLRFYHFSQAQKDGLKRGTHLRCYGEVRPGASGLEIYHPEYRALNGDEPIPVEQTLTPIYPT ..TEGLTQ	12
consensus	VRLQDGS GTLSLRFYHFSQAQKDGLKRGTHLRCYGEVRPGASGLEIYHPEYRALNGDEPIPVEQTLTPIYPT ..TEGLTQ	!

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NTDB id 124878 HW08 RS30560 WP 003096624.1	QRIRQLSQQALIAMLG PSSLPDWLPAELARDYQLGPLDQATIRYLHRPPPDADIEELAEGRHWAQLRLIAFEEL	229
NTDB id 1361 HI 0985 AAC22646.1	QRIRQLSQQALIAMLG PSSLPDWLPAELARDYQLGPLDQATIRYLHRPPPDADIEELAEGRHWAQLRLIAFEEL	72
NTDB id 1466 ASU2 RS09750 WP 015674213.1	QRIRQLSQQALIAMLG PSSLPDWLPAELARDYQLGPLDQATIRYLHRPPPDADIEELAEGRHWAQLRLIAFEEL	70
NTDB id 1388 A4U84 RS04945 WP 062924099.1	QRIRQLSQQALIAMLG PSSLPDWLPAELARDYQLGPLDQATIRYLHRPPPDADIEELAEGRHWAQLRLIAFEEL	71
NTDB id 1250 GC085 RS13065 WP 027219989.1	QRIRQLSQQALIAMLG PSSLPDWLPAELARDYQLGPLDQATIRYLHRPPPDADIEELAEGRHWAQLRLIAFEEL	72
NTDB id 1445 BW25113 RS17035 WP 000228551.1	QRIRQLSQQALIAMLG PSSLPDWLPAELARDYQLGPLDQATIRYLHRPPPDADIEELAEGRHWAQLRLIAFEEL	69
NTDB id 1399 DSB67 RS15600 WP 010645755.1	QRIRQLSQQALIAMLG PSSLPDWLPAELARDYQLGPLDQATIRYLHRPPPDADIEELAEGRHWAQLRLIAFEEL	75
NTDB id 1152 A1552VC RS00200 WP 000654772.1	QRIRQLSQQALIAMLG PSSLPDWLPAELARDYQLGPLDQATIRYLHRPPPDADIEELAEGRHWAQLRLIAFEEL	73
consensus	QRIRQLSQQALIAMLG PSSLPDWLPAELARDYQLGPLDQATIRYLHRPPPDADIEELAEGRHWAQLRLIAFEEL	*** * * * * ! * *

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NTDB id 124878 HW08 RS30560 WP 003096624.1	LTHQLS LQRLREAVRSQAAPRLPAASRLPKRFLANLGFQPTGAQRRVGAEIAYDLAQDEPMLRLVQGDV GAGKTVVAALA	309
NTDB id 1361 HI 0985 AAC22646.1	LTHQLS LQRLREAVRSQAAPRLPAASRLPKRFLANLGFQPTGAQRRVGAEIAYDLAQDEPMLRLVQGDV GAGKTVVAALA	111
NTDB id 1466 ASU2 RS09750 WP 015674213.1	LTHQLS LQRLREAVRSQAAPRLPAASRLPKRFLANLGFQPTGAQRRVGAEIAYDLAQDEPMLRLVQGDV GAGKTVVAALA	109
NTDB id 1388 A4U84 RS04945 WP 062924099.1	LTHQLS LQRLREAVRSQAAPRLPAASRLPKRFLANLGFQPTGAQRRVGAEIAYDLAQDEPMLRLVQGDV GAGKTVVAALA	110
NTDB id 1250 GC085 RS13065 WP 027219989.1	LTHQLS LQRLREAVRSQAAPRLPAASRLPKRFLANLGFQPTGAQRRVGAEIAYDLAQDEPMLRLVQGDV GAGKTVVAALA	112
NTDB id 1445 BW25113 RS17035 WP 000228551.1	LTHQLS LQRLREAVRSQAAPRLPAASRLPKRFLANLGFQPTGAQRRVGAEIAYDLAQDEPMLRLVQGDV GAGKTVVAALA	108
NTDB id 1399 DSB67 RS15600 WP 010645755.1	LTHQLS LQRLREAVRSQAAPRLPAASRLPKRFLANLGFQPTGAQRRVGAEIAYDLAQDEPMLRLVQGDV GAGKTVVAALA	115
NTDB id 1152 A1552VC RS00200 WP 000654772.1	LTHQLS LQRLREAVRSQAAPRLPAASRLPKRFLANLGFQPTGAQRRVGAEIAYDLAQDEPMLRLVQGDV GAGKTVVAALA	113
consensus	LTHQLS LQRLREAVRSQAAPRLPAASRLPKRFLANLGFQPTGAQRRVGAEIAYDLAQDEPMLRLVQGDV GAGKTVVAALA	* * * * * ! * * *

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NTDB id 124878 HW08 RS30560 WP 003096624.1	ALQAIEAGYQVALMPT..EILAEQHFLNFSKWLQPLDIE.VAWLAGKLGKKAARAALERIGDGAPMVVGTTHALFQDEVK	386
NTDB id 1361 HI 0985 AAC22646.1	QMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLALGIDGHCHQAVVNIQGGTTI.AVLGS.....	172
NTDB id 1466 ASU2 RS09750 WP 015674213.1	QIAIVGSRDFSAYGEYWAGYFSEQLIKHHLAVTSGLAIGIDGFCHQRAVAEQGITI.AVLGS.....	170
NTDB id 1388 A4U84 RS04945 WP 062924099.1	QIAIVGSRDYSHYGEHWAGHFSAEVLVKHQLAVTSGLAIGIDGFCHQRAANENGITIT.AVLGS.....	171
NTDB id 1250 GC085 RS13065 WP 027219989.1	SLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLALGIDAHAAHLGCLEGGGKTTI.AVLGT.....	173
NTDB id 1445 BW25113 RS17035 WP 000228551.1	QLAVVGSRAHSWYGERWGRLLFCETLATRGVTTITSGLARGIDGVAHKAALQVNGVSI.AVLGN.....	169
NTDB id 1399 DSB67 RS15600 WP 010645755.1	QIAMVGSRNASVDGLQHTRTFASDLVQHDLIIVTSGLALGIDGHAHDGALLAGGKTTI.AVLGS.....	176
NTDB id 1152 A1552VC RS00200 WP 000654772.1	AVAIVGSRNASVDGRQIARQFATELAQSGLVVTSGLALGIDGYAHDGALQAQGGTV.AVLGS.....	174
consensus	***!***** * ** ** *! ** * *****!!***** ** ** *! ** ** *!***	

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NTDB id 124878 HW08 RS30560 WP 003096624.1	FKRLALAIIDEQHRFVQVQRLALRQKGV DGR LCPHQLIMTATPI PRTLAMSAYADLDT SILDELPPGRTPVNTVLVADSR	466
NTDB id 1361 HI 0985 AAC22646.1	GLEQIYPSKHQRILSAQ.....IIENNGALVSEFLPNQAPIAANFPRNR	216
NTDB id 1466 ASU2 RS09750 WP 015674213.1	GLDQVYPARHKKLAEQ.....IVESGGALVSEFFPNHPPLAENFPRNR	214
NTDB id 1388 A4U84 RS04945 WP 062924099.1	GLDQVYPARHKKLAEQ.....IVETSGALVSEFFPSQPPIAENFPRNR	215
NTDB id 1250 GC085 RS13065 WP 027219989.1	GIDCIYPRRHKLKLAEQ.....ITEN.GLLLSEFPLKSPPIAGHFPLRNR	216
NTDB id 1445 BW25113 RS17035 WP 000228551.1	GLNTIHPRRHARLAAS.....LLEQGGALVSEFPLDVPPLAYNFPRNR	213
NTDB id 1399 DSB67 RS15600 WP 010645755.1	GLEQVYPARHRGLAQR.....VAEN.GALVSEFRPDAPRAENFPRNR	219
NTDB id 1152 A1552VC RS00200 WP 000654772.1	GLAQVYPKQHQLAER.....ITAQ.GALVSEFAPHTPPKADHFPNRNR	217
consensus	!***** ** ** * **** *****! * * *!*** *****!	

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NTDB id 124878 HW08 RS30560 WP 003096624.1	R.....IEVIERVRAACREGRQAYVWCTLIEESEELTCQAAE...TTYEELSSALGELRVGLIHGRMK	526
NTDB id 1361 HI 0985 AAC22646.1	IISGLSVGTLVVEATEKSGSLITARYALEQNGREVFALPNVQNPYAQGGCHKLIKEGAVLTETIEDILQAIQYQLPDQPRQ	295
NTDB id 1466 ASU2 RS09750 WP 015674213.1	IISGLSLGTLVVEATVNSGSLITARYALEQNGREVFALPNVQNPYSEGCHKLIKEGALLVENVEDILEAIWQRQSVHIQ	294
NTDB id 1388 A4U84 RS04945 WP 062924099.1	IISGLSLGTLVIEATVNSGSLITARYALEQNGREVFALPNVQNPYSEGCHKLIKEGALLVENVEDILEAIWQRQSVHIQ	295
NTDB id 1250 GC085 RS13065 WP 027219989.1	IISGLSLCILVIEAAIKSGSLITARMALQNRDVLAI PGSIHNPLARGCHYLLQQGAKLVTSADVLDDELKIEHHQFTSN	296
NTDB id 1445 BW25113 RS17035 WP 000228551.1	IISGLSKGVLVVEAALRSGSLVITARCALEQNGREVFALPGPIGNPGSEGPHWLKQGAILVTEPEEILENLQFGLHWLPDA	293
NTDB id 1399 DSB67 RS15600 WP 010645755.1	IISGLSLGVLVVEAAEKSGSLITARYALEQNGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLENIQSLLDWSINQ	299
NTDB id 1152 A1552VC RS00200 WP 000654772.1	IISGLSLGVLVVEAAEKSGSLITARYAAEQNGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSE	297
consensus	***** ** ** * *****!***!***** ** ** * ***** ** * *	

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NTDB id 124878 HW08 RS30560 WP 003096624.1	PADKAVVMEAFKEGMLQLLVATTVIEVGVDV PNASLMIIENPERLGLAQLHLRGRVGRGSAASH....CV.LLYHPPL	600
NTDB id 1361 HI 0985 AAC22646.1	EIDFD.....QIAVPNYPPTPPDPRLVEA.PSHPKLYSRIGYTPVISTDDLAEEFNLSVDVLLV	352
NTDB id 1466 ASU2 RS09750 WP 015674213.1	QALFETEQAWEK.....TQFFAKANPNKVNHF AKKLPEMT.ACQQQIVEHIGLNPVISTDDLAKATALEVETLLV	363
NTDB id 1388 A4U84 RS04945 WP 062924099.1	PSLFDTKPKQ.....AVKSEPKFAKNLPELT.ACQQQLFEQISLEPISVDDLAKATDMAVETALI	354
NTDB id 1250 GC085 RS13065 WP 027219989.1	K.....PIFSLASG.....KENLVKFIFGFETTTIDQITIDRSGYGMEQVTS	336
NTDB id 1445 BW25113 RS17035 WP 000228551.1	P.....ENSFYSPDQQDV.LPFPPELLANVGDEVTPVDVVAERAGQPVPEVVT	340
NTDB id 1399 DSB67 RS15600 WP 010645755.1	S.....L....DLFSAPIDEE.LPFPQLLANVGNATPVDILASRTNIPVQEVMM	345
NTDB id 1152 A1552VC RS00200 WP 000654772.1	Q.....VPYQATLFSAVQSD.EE.LPFPPELLANVGIEATPIDILASRTQIPVQDMM	347
consensus	***** ** ** * ***** ** ** * ***** ** * *	

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NTDB id 124878 HW08 RS30560 WP 003096624.1	Q L L E L L G Y Y A V G G Y Y R	680
NTDB id 1361 HI 0985 AAC22646.1	E Q A D R R S D V M R E E D L F K I E R K A E L Y R P C E F Y G T R Q T G L L Q F K V A D L M R D A D L L P A V R D A A Q S L L A H W P Q H V S P L L E R	373
NTDB id 1466 ASU2 RS09750 WP 015674213.1	Q L L D L E L Q D L I I S E N G L Y K R V	384
NTDB id 1388 A4U84 RS04945 WP 062924099.1	E L L G L E L L S V I K Q V S G G Y V R Q	375
NTDB id 1250 GC085 RS13065 WP 027219989.1	E L L N L E L L G V V K Q V R G G Y V I T	361
NTDB id 1445 BW25113 RS17035 WP 000228551.1	G L A E L E L K G A V I A V P G G Y I R C E Y E R	374
NTDB id 1399 DSB67 RS15600 WP 010645755.1	Q L L E L E L A G W I A A V P G G Y V R L R R A C H V R R T N V F V	369
NTDB id 1152 A1552VC RS00200 WP 000654772.1	Q L L E L E L S G H V V A V S G G Y I R K G R G	371
consensus	*****! * * * *****	

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NTDB id 124878 HW08 RS30560 WP 003096624.1	W L R H G Q Q Y G Q V	691
NTDB id 1361 HI 0985 AAC22646.1		373
NTDB id 1466 ASU2 RS09750 WP 015674213.1		384
NTDB id 1388 A4U84 RS04945 WP 062924099.1		375
NTDB id 1250 GC085 RS13065 WP 027219989.1		361
NTDB id 1445 BW25113 RS17035 WP 000228551.1		374
NTDB id 1399 DSB67 RS15600 WP 010645755.1		369
NTDB id 1152 A1552VC RS00200 WP 000654772.1		371
consensus		

- X

 non conserved
- X

 similar
- X

 ≥ 50% conserved