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NTDB id 1015 ACIAD RS12005 WP 004928865.1	...MF <i>K</i> IIL <i>L</i> GW <i>I</i> AGIAMMGRTECIEP <i>F</i> TCIT.....GILTF <i>L</i> IWAI..YFYKRR <i>K</i> HQIGSGI <i>R</i> ALVILISA	63
NTDB id 1070 ABD1 RS13145 WP 000472713.1	...MF <i>K</i> IIL <i>L</i> GWIGGIALMGIDFPLIMQYEVG.....EALLLAFIF.YLYKRP <i>M</i> FVDRPFLKAVFCLLCT	63
NTDB id 1083 HON27 RS04190 WP 168726476.1	...MF <i>K</i> IIL <i>L</i> GWIGGIALMGIDFPLIMQYEVG.....EALLLAFIF.YLYKRP <i>M</i> FVDRPFLKAVFCLLCT	63
NTDB id 1035 TT RS08105 WP 011173974.1	...MRPSWTWG <i>V</i> GLG....AGALVAAWGLF.....A.....PWAFLGLGLLP.FLRLPFALGF..G....LVLAR.	51
NTDB id 1128 NGFG RS01490 WP 020997305.1	...MFR <i>R</i> WFLPCWV.....GVAV.....SFALSVP.....HWPFWLAAFAV.LAVLARRFAF..AGL.MLCVLA.	54
NTDB id 38 MW RS08220 WP 001566670.1	MLYVA.....LSMIVGVLWNSSKVLSTFLFILLLY.ITYRKN <i>K</i> IVY..APISLFLIIF.	50
NTDB id 22 SA RS07995 WP 001557362.1	MLYVA.....LSMIVGVLWNSSKVLSTFLFILLLY.ITYRKN <i>K</i> IVY..APISLFLIIF.	50
NTDB id 614 LCA RS05330 WP 011374769.1	...MKN <i>N</i> WYIPVICL.....I.....SLNSLMIGGQSWLT...WSL <i>L</i> LLAFVKLISLRQTQITI..MTI.GLCLVY.	57
NTDB id 107 BSU 25570 NP 390435.1	..MRNSRLLPMAAA.....SATA.....GITAA...AYFP.....AIFLFI <i>L</i> LL.IILIKTRHAF..LII.VCFFSF.	55
NTDB id 494 SM12261 RS04305 WP 000942409.1	MLQWIKNFSIPLIYL.....SFLLLWLYYAIFSSSYLALLG.....FVFLLC..L.FIQFPWKSAG..KVL.IICGIF.	63
NTDB id 522 SMSK321 RS04965 WP 000942453.1	MLQWTKNFPIPLIYL.....SFLLLWLYYAIFSVSYLALLG.....FVFLLC..L.FIQFLWKSAG..KVL.VICGIF.	63
NTDB id 264 KZH43 RS04200 WP 000942407.1	MLQWIKNFSIPLIYL.....SFLLLWLYYAIFSASYLALLG.....FVFLLC..L.FIQFPWKSAG..KVL.IICGIF.	63
NTDB id 223 SPD RS04540 WP 000942407.1	MLQWIKNFSIPLIYL.....SFLLLWLYYAIFSASYLALLG.....FVFLLC..L.FIQFPWKSAG..KVL.IICGIF.	63
NTDB id 189 SPR RS04300 WP 000942407.1	MLQWIKNFSIPLIYL.....SFLLLWLYYAIFSASYLALLG.....FVFLLC..L.FIQFPWKSAG..KVL.IICGIF.	63
NTDB id 154 SP RS04735 WP 000942394.1	MLQWIKNFSIPLIYL.....SFLLLWLYYAIFSASYLALLG.....FVFLLC..L.FIQFPWKSAG..KVL.IICGIF.	63
NTDB id 67835 NALG RS10420 WP 286210757.1		0
NTDB id 596 KW2 RS08720 WP 021037686.1	..MRFLLIK <i>F</i> LIIFL.....TYL <i>V</i> LLYFCITFTYNLPLII.....LFI <i>C</i> ..S.IILALF <i>R</i> KYY..LMTI.PILIVF.	57
consensus	* **** ** * *	*** ** *

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NTDB id 1015 ACIAD RS12005 WP 004928865.1	SFLFGIGAQYADSALEERLYYKIMHSDTHEVIIYVHQMGESSDKGIKQVAEVLNIHPDV.VN <i>M</i> VFYIDQSLL.....GA.EKS	139
NTDB id 1070 ABD1 RS13145 WP 000472713.1	TSLFMVGYHYAEKALIERLEQRETDRNL <i>D</i> IIVYINRLSEEKDNKVQQTAAQVLNLSKEP.VN <i>W</i> LLYLKSNQ.....NLLKNN	140
NTDB id 1083 HON27 RS04190 WP 168726476.1	TSLFMVGYHYAEKALIERLEQRETDRNL <i>D</i> IIVYINRLSEEKDNKVQQTAAQVLNLSKEP.VN <i>W</i> LLYLKSNQ.....NLLKNN	140
NTDB id 1035 TT RS08105 WP 011173974.1	ALFFPL.....P.EPPWG.....AAVEGVFAVRGGF....T....RAEGHLLVWSHY.....	89
NTDB id 1128 NGFG RS01490 WP 020997305.1	GAAYGVFRT..EAALS.S.QWRAEAVSGVPLTVEVTDMPRSDGRRVQ..FAAKAVDSGG.RTFD <i>L</i> LL...SD.....YKRREW	122
NTDB id 38 MW RS08220 WP 001566670.1	SSWYLHYSQ..QAIFN.YINYI.....ERN <i>S</i> QFN <i>R</i> AQ...VIQIQ.RQGS.DTYKGRLSLKNEIYPFFLTNKKNFD	114
NTDB id 22 SA RS07995 WP 001557362.1	SSWYLHYSQ..QAIFN.YINYI.....ERN <i>S</i> QFN <i>R</i> AQ...VIQIQ.RQGS.DTYKGRLSLKNEIYPFFLTNKKNFD	114
NTDB id 614 LCA RS05330 WP 011374769.1	GGRF...W..ISYHS.VTQPPQPV...AQYFKVQPD <i>A</i> IQVAGDSVQ..LTAIG.QQDG.QTIKAYYRCQTF.....AEKRRW	121
NTDB id 107 BSU 25570 NP 390435.1	ILFFVLYAV..TDSQN.VSSYRQGT...YQFKAVI <i>D</i> TIPKIDGDRMS..MMV.E.TPDK.EKMAAAYRIQSA.....GEKEQL	122
NTDB id 494 SM12261 RS04305 WP 000942409.1	GFWFVLFQNW...QQSQA.SQNLA.DS...VERVRILPDTVKVNGDSL..FRG...KSDG.RIFQVYVYKLQSE.....EEKEAF	128
NTDB id 522 SMSK321 RS04965 WP 000942453.1	GFWFVLFQNW...QQSQA.SQNLS.DS...VEI <i>V</i> VRILPDTIKVNGDSL..FRG...KADG.RIFQVYVYKLQSE.....EEKETF	128
NTDB id 264 KZH43 RS04200 WP 000942407.1	GFWFVLFQNW...QQSQA.SQNLA.DS...VERVRILPDTVKVNGDSL..FRG...KADG.RIFQVYVYKLQSE.....EEKEAF	128
NTDB id 223 SPD RS04540 WP 000942407.1	GFWFVLFQNW...QQSQA.SQNLA.DS...VERVRILPDTVKVNGDSL..FRG...KADG.RIFQVYVYKLQSE.....EEKEAF	128
NTDB id 189 SPR RS04300 WP 000942407.1	GFWFVLFQNW...QQSQA.SQNLA.DS...VERVRILPDTVKVNGDSL..FRG...KADG.RIFQVYVYKLQSE.....EEKEAF	128
NTDB id 154 SP RS04735 WP 000942394.1	GFWFVLFQNW...QQSQA.SQNLA.DS...VERVRILPDTVKVNGDSL..FRG...KADG.RIFQVYVYKLQSE.....EEKEAF	128
NTDB id 67835 NALG RS10420 WP 286210757.1		0
NTDB id 596 KW2 RS08720 WP 021037686.1	AVFFILINS..LSIRD.NENQP.KT...LSKIELISDTIQVNGDLIS..FQG...RMNG.QNYQVYDITLKS <i>L</i>KEKKFY	122
consensus	* *** * * * * * *	*** ** *

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NTDB id 1015 ACIAD RS12005 WP 004928865.1	SSLELGQYYRITAKTKPIHSYALEGAFDVEKWFVQQNWQ.ATAQVYR..IQTLISKQ..EVMSAGFYLVHVKKQQTWRQAFLQSV	219
NTDB id 1070 ABD1 RS13145 WP 000472713.1	QNLELGHYRISGKTRPAHSYATPGAFDQEKWFIQRNIM.SGFNVRY..IEPLSLD..EIYRLGYQQHLKEQQSFNSFRLNIEK	220
NTDB id 1083 HON27 RS04190 WP 168726476.1	QNLELGHYRISGKTRPAHSYATPGSFDQEKWFIQRNIM.SGFNVRY..IEPLSLD..EIYRLGYQQHLKEQQSFSSSFRNIEK	220
NTDB id 1035 TT RS08105 WP 011173974.1	.PPLPDGRYRLRGRIAPPQGRNPPGGFDQRAWLLSRGAKGVL.RAES..AEPLG.....PLPDWR.....EGFRE.....	150
NTDB id 1128 NGFG RS01490 WP 020997305.1	AV...GSRWRITARVHPVVGELNLRGLNREAWALSNGVGGV.GTVG...ADRVLLHGGSGWGIAVVR.SRISRNWRQA....DA.	194
NTDB id 38 MW RS08220 WP 001566670.1	LKKIESRNCIVKGGQFKVND.....NKF.....VTLKLQSIVVQSCLES..NRSNLTIE...KHKQFIMNR....IY.	170
NTDB id 22 SA RS07995 WP 001557362.1	LKKIESRNCIVKGGQFKVNE.....NKF.....VTLKLQSIVVQSCLES..NRSNLTIE...KHKQFIMNR....IY.	170
NTDB id 614 LCA RS05330 WP 011374769.1	QQVRHPVLFYGEKDFKRIQGATNQNEFDYARFLAQKRCFYQLTLAK..KTTFALR..R.PSSGL....DWLHYWRQT....CA.	192
NTDB id 107 BSU 25570 NP 390435.1	LYIEPGMSCELTGTLEEPNHATVPGAFDYNELYLQRQH.H.WNYSVTS..IQNCSEP..ENFKY.....KVLSLRKHI....IS.	191
NTDB id 494 SM12261 RS04305 WP 000942409.1	QALTDLHEIGLEGGKLESDPDGQRNFGGFDYQAYLKTQGIY.QTLTIKR..IQSLQKV..SSWDIGE...NLSSLRRKT....VV.	199
NTDB id 522 SMSK321 RS04965 WP 000942453.1	QILTALHDLELEGGKLESEPEGKRNFGGFDYQAYLKTQGIY.QTLNIKK..IQSLQKV..GSWDLGE...NLSSLRRKA....VV.	199
NTDB id 264 KZH43 RS04200 WP 000942407.1	QALTDLHEIGLEGGKLESEPEGQRNFGGFNYQAYLKTQGIY.QTLNIKK..IQSLQKI..GSWDIGE...NLSSLRRKA....VV.	199
NTDB id 223 SPD RS04540 WP 000942407.1	QALTDLHEIGLEGGKLESEPEGQRNFGGFNYQAYLKTQGIY.QTLNIKK..IQSLQKI..GSWDIGE...NLSSLRRKA....VV.	199
NTDB id 189 SPR RS04300 WP 000942407.1	QALTDLHEIGLEGGKLESEPEGQRNFGGFNYQAYLKTQGIY.QTLNIKK..IQSLQKI..GSWDIGE...NLSSLRRKA....VV.	199
NTDB id 154 SP RS04735 WP 000942394.1	QALTDLHEIGLEGGKLESEPEGQRNFGGFNYQAYLKTQGIY.QTLNIKT..IQSLQKI..GSWDIGE...NLSSLRRKA....VV.	199
NTDB id 67835 NALG RS10420 WP 286210757.1		0
NTDB id 596 KW2 RS08720 WP 021037686.1	QNLSQNCQLSFTGNLIQIPETQRNFNGFDDQKYLASQNIY.RQITTIQQ..ITNVEIK..KNF.....DLHTLRKA....IV.	189
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NTDB id 1015 ACIAD RS12005 WP 004928865.1	LRLKFRNYFIDSSLSHHALILALLTGDRSLLNPELEQQFQRFGISHLLAISGPHVLIFAAMVSWIFTRLIHRFKPEIYLSIPRQK	304
NTDB id 1070 ABD1 RS13145 WP 000472713.1	LRLTFRQILNSSSLQKQGLILALLTGDESLLSDETQLQFKQLGISHLLAISGPHVLIFAIMLSWAYHQFISRYYPQIYLWKPKQV	305
NTDB id 1083 HON27 RS04190 WP 168726476.1	LRLTFRQILNSSSLQKQGLILALLTGDESLLSDETQLQFKQLGISHLLAISGPHVFIFAIMLSWACHQFISRYYPKIYLWKPKQI	305
NTDB id 1035 TT RS08105 WP 011173974.1	RLGAGLSLEAREVVEGLVLVLDGKGLET.AYPLFQRAGLAHLLALSGLHVGVLVGFVAVLGLYPL.....GR....	214
NTDB id 1128 NGFG RS01490 WP 020997305.1	D..GGL.SDGIGLMRALSVGEQSALRPLWQAFRPLGLTHLVSTISGLHVTMVAVLFAWLAKRL.....LACSPR	260
NTDB id 38 MW RS08220 WP 001566670.1	DSGIKFPD....RIMALITGDVKEINEQFKERVKEIGIYHLLAVSGSHIAAIVFLIYKPLKRL.....NLPLFV	235
NTDB id 22 SA RS07995 WP 001557362.1	DSGIKFPD....RIMALITGDVKEINEQFKERVKEIGIYHLLAVSGSHIAAIVFLIYQPLKRL.....NLPLFV	235
NTDB id 614 LCA RS05330 WP 011374769.1	LYLRKLPTALRFHAQTLLGLGREAQVDHYQVVLGHLGIIHLLSLSGLHVFFYLQVIRWCATYC.....RIPRER	261
NTDB id 107 BSU 25570 NP 390435.1	FTNSLLPPDSTGIVQALTVGDRFYVEDEVLTAYQKLGVVHLLAISGLHVGILTAGLFYIMIRL.....GITREK	260
NTDB id 494 SM12261 RS04305 WP 000942409.1	WIKTHFPDPMRNYMTGLLLGHLDTDFEEMNGLYSSLGIIHLFALSGMQVGFFMDGFKKLLLRLL.....GLTQEK	268
NTDB id 522 SMSK321 RS04965 WP 000942453.1	WIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFMDGFKKLLLRLL.....GLTQEK	268
NTDB id 264 KZH43 RS04200 WP 000942407.1	WIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFMNGFKKLLLRLL.....GLTQEK	268
NTDB id 223 SPD RS04540 WP 000942407.1	WIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFMNGFKKLLLRLL.....GLTQEK	268
NTDB id 189 SPR RS04300 WP 000942407.1	WIKTHFPDPMRNYMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFMNGFKKLLLRLL.....GLTQEK	268
NTDB id 154 SP RS04735 WP 000942394.1	WIKTHFPDPMGNMTGLLLGHLDTDFEEMNELYSSLGIIHLFALSGMQVGFFMNGFKKLLLRLL.....GLTQEK	268
NTDB id 67835 NALG RS10420 WP 286210757.1		0
NTDB id 596 KW2 RS08720 WP 021037686.1	WTQNHFPKPMDSYMTGLLFGFLSKDFNQMSDIYSSLGIIHLFALSGMQVNFFIDWFRKILLRM.....GLTREI	258
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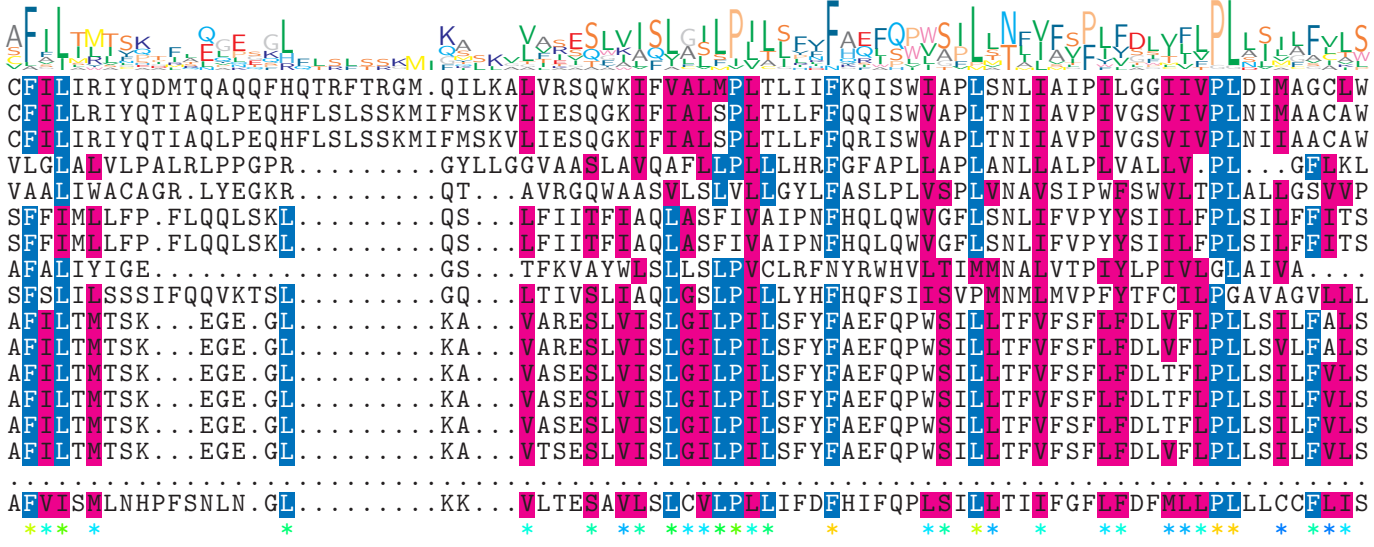
NTDB id 1015 ACIAD RS12005 WP 004928865.1
NTDB id 1070 ABD1 RS13145 WP 000472713.1
NTDB id 1083 HON27 RS04190 WP 168726476.1
NTDB id 1035 TT RS08105 WP 011173974.1
NTDB id 1128 NGFG RS01490 WP 020997305.1
NTDB id 38 MW RS08220 WP 001566670.1
NTDB id 22 SA RS07995 WP 001557362.1
NTDB id 614 LCA RS05330 WP 011374769.1
NTDB id 107 BSU 25570 NP 390435.1
NTDB id 494 SM12261 RS04305 WP 000942409.1
NTDB id 522 SMSK321 RS04965 WP 000942453.1
NTDB id 264 KZH43 RS04200 WP 000942407.1
NTDB id 223 SPD RS04540 WP 000942407.1
NTDB id 189 SPR RS04300 WP 000942407.1
NTDB id 154 SP RS04735 WP 000942394.1
NTDB id 67835 NALG RS10420 WP 286210757.1
NTDB id 596 KW2 RS08720 WP 021037686.1
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NTDB id 1015 ACIAD RS12005 WP 004928865.1
NTDB id 1070 ABD1 RS13145 WP 000472713.1
NTDB id 1083 HON27 RS04190 WP 168726476.1
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NTDB id 596 KW2 RS08720 WP 021037686.1
consensus



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NTDB	id	1015	ACIAD	RS12005	WP	004928865.1	LFIPLSGNLLFYLNNSLLELFIGILKGLDHLFNPQLQYYAFTPLLLICTLAIVILFLPKG.....VVPKFWSVLCFVPLL	539
NTDB	id	1070	ABD1	RS13145	WP	000472713.1	FVIKPFPGNMLFHFNDMLLSILLSCLGILE.KLSLTLLQGISTPLSLAATSCAIITLLFLPKG.....ILPKTWGITCCLPLV	540
NTDB	id	1083	HON27	RS04190	WP	168726476.1	FVVKPFPGNMLFHFNDMLLSILLSCLGILE.KLSLPLLLQGISTPLSLAATSCAIITLLFLPKG.....ILPKTWGITCCLPLV	540
NTDB	id	1035	TT	RS08105	WP	011173974.1	FLGALPAP...LVEPLARGLLLIALGLAAQGPL..LRWGELIAPPGFALYYIGLLPL.LFALHRRLPWRALLLASLPALVGLL..	438
NTDB	id	1128	NGFG	RS01490	WP	020997305.1	FAPLQQAG..AFLAEYTLRFLVWLADVSEFA.....VA AAPLPFLVAVCAADLLLLPRG.....LGRPWAVLLLAGVF	482
NTDB	id	38	MW	RS08220	WP	001566670.1	HFIVGLTPLN.YLVDFSFNFDHWLLDLFTRIKQSHFSVTPKFNDWIFIFIISVYIFYWLLAK....RKYILVTVWTIIILTLLI	459
NTDB	id	22	SA	RS07995	WP	001557362.1	HFIVGLTPLN.YLVDFSFNFDHWLLDLFTRIKQSHFSVTPKFNDWIFIFIISVYIFYWLLAK....RKYILVTVWTIIILTLLI	459
NTDB	id	614	LCA	RS05330	WP	011374769.1	SVMLPVSNLVVNGCEWLLQLTIYKGLGLVVGIPHAMITFKKIPLLPDLLIVTVSLLIDGQAISNQWRKRKR.TLVSLYLASFL	478
NTDB	id	107	BSU	25570	NP	390435.1	SLSASFGRLLFFSWFDLLISWINRLITNIADVDFVTIMIAHPAPVLLIFTVTIILLMAIEKRSLSQLMVTGGICCTVMFLFLFI	491
NTDB	id	494	SM12261	RS04305	WP	000942409.1	FLHPVIT.....QLNFIFEWLEGMIIRFVSQVASRPVVFQQPNAWLLILLISLALV.VDLRK..NIKRLA...VLSLLITGLFF	477
NTDB	id	522	SMSK321	RS04965	WP	000942453.1	FLYPVIT.....QLNFIFEWLEGMIIRFVSQVASRPVVFQQPNAWLLILLISLALV.VDLRK..NIKRLA...VLSLLITGLFF	477
NTDB	id	264	KZH43	RS04200	WP	000942407.1	FLYPVIT.....QLNFIFEWLEGMIIRFVSQVTSRPLVFGQPNTWLLILLISLALV.VDLRK..NIKKLT...VLCLLITGLFL	477
NTDB	id	223	SPD	RS04540	WP	000942407.1	FLYPVIT.....QLNFIFEWLEGMIIRFVSQVTSRPLVFGQPNTWLLILLISLALV.VDLRK..NIKKLT...VLCLLITGLFL	477
NTDB	id	189	SPR	RS04300	WP	000942407.1	FLYPVIT.....QLNFIFEWLEGMIIRFVSQVTSRPLVFGQPNTWLLILLISLALV.VDLRK..NIKKLT...VLCLLITGLFL	477
NTDB	id	154	SP	RS04735	WP	000942394.1	FLYPVIT.....QLNFIFEWLEGMIIRFVSQVARRPLVFGQPNAWLLILLISLALV.VDLRK..NIKKLT...VLSLLITGLFF	477
NTDB	id	67835	NALG	RS10420	WP	286210757.1		0
NTDB	id	596	KW2	RS08720	WP	021037686.1	FLGFSL.....NLNFIFQILEWLVHKVDLPHYPFVLCKPSSLELIILFVLIGLF.VDSFS..HKKRRF...FLVGFIIFLFFF	467
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NTDB id 1015 ACIAD RS12005 WP 004928865.1	IPS...KMIRPTQISILDVGGQSIFLQDQQTQ...RLIDTGGYYDE.....SKFSIGKQVVPFLKSGVHQLDRVILT	608
NTDB id 1070 ABD1 RS13145 WP 000472713.1	IMN...KTSQQIQLNILDVGGQQAIFLQHPPEQ..NWLIDTGCSSYDE.....KIFSIGQNVVVPFLRQQGVRQLDHVVLS	609
NTDB id 1083 HON27 RS04190 WP 168726476.1	MMN...KTSQQIQLNILDVGGQQAIFLQHPQQ..NWLIDTGCSSYDE.....KIFSIGQNVVVPFLRQQGVRQLDHVVLS	609
NTDB id 1035 TT RS08105 WP 011173974.1	AAWPKPLDLWMLDVGGQDALLARMGGG..EVLVDGCRAE.....KGEAVVRLRALGVEALELLVAT	498
NTDB id 1128 NGFG RS01490 WP 020997305.1	SYRPEAVPENEADVTVWDAGQGLSVLVRTANR..HLFDTGTVA.....AQTGIVPSLNAAGVRRRLDKLVLS	548
NTDB id 38 MW RS08220 WP 001566670.1	TFP...TNSHHKITMLNVGGQDSILYEGGKNQ..NVLIDTGGKVIDDTK.....QPSYSISKYHILPTLNERGINELEYLILT	532
NTDB id 22 SA RS07995 WP 001557362.1	TFP...TNSHHKITMLNVGGQDSILYEGGKNQ..NVLIDTGGKVIDDTK.....QPSYSISKYHILPTLNERGINELEYLILT	532
NTDB id 614 LCA RS05330 WP 011374769.1	AIH...FNPTGRVVMFDIGQGDLSLLIQTPFNRHQLLIDTGCRLAL..PQAAWQRRRAQ.VSRAEKVTNLYLSQGVHDIDAVALS	556
NTDB id 107 BSU 25570 NP 390435.1	YPC...LSSEGEVDMIDIGQGDLSMFVVGAPHQRGRVLIDTGGTLSY..SSEPWREKQHPFSLGEKVLIPFLTAKGIKQLDALILT	570
NTDB id 494 SM12261 RS04305 WP 000942409.1	LTK...HPLENEITMLDVGGQGESIFLRDVTGK..TILIDVGGKAESSKKIEKWQEKTT.TSNAQRTLIPYLYKSRGVSKIDQLILT	556
NTDB id 522 SMSK321 RS04965 WP 000942453.1	LTK...YPLENEITMLDVGGQGESIFLRDVAGK..TILIDVGGKAESDKIEKWQEKAT.TSNAQRTLIPYLYKSRGVAKIDQLILT	556
NTDB id 264 KZH43 RS04200 WP 000942407.1	LTK...HPLENEITMLDVGGQGESIFLRDVTGK..TILIDVGGKAESYKKIKKWQEKMT.TSNAQRSLLIPYLYKSRGVAKIDQLILT	556
NTDB id 223 SPD RS04540 WP 000942407.1	LTK...HPLENEITMLDVGGQGESIFLRDVTGK..TILIDVGGKAESYKKIKKWQEKMT.TSNAQRSLLIPYLYKSRGVAKIDQLILT	556
NTDB id 189 SPR RS04300 WP 000942407.1	LTK...HPLENEITMLDVGGQGESIFLRDVTGK..TILIDVGGKAESYKKIKKWQEKMT.TSNAQRSLLIPYLYKSRGVAKIDQLILT	556
NTDB id 154 SP RS04735 WP 000942394.1	LTK...YPLENEITMLDVGGQGESIFLRDVTGK..TILIDVGGKAESYKKIKKWQEKMT.TSNAQRTLIPYLYKSRGVAKIDQLILT	556
NTDB id 67835 NALG RS10420 WP 286210757.1		0
NTDB id 596 KW2 RS08720 WP 021037686.1	ITK...NPMRASITAVDIGQGDLSIFLQDKFNKENLIDTGCRLAL..PQKNWQKAQT.QSNADKTLLIPYLESMGVAHIDQLILT	545
consensus	* ***** * * *	

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NTDB id 1015 ACIAD RS12005 WP 004928865.1	HLDQDHSGGIPAVLQLIPTRMIQANEE.I.....KDL SIPFSLCHSGQTWETSELKIITILSPKLENLQSTVFNRNEAS	680
NTDB id 1070 ABD1 RS13145 WP 000472713.1	HLDQDHSAGFPLIQEIPVKQLISNEQLP.....NDLKQPFQYCHGQQQWHYPELDIQILWPKEKDLAFVTSNQNQYS	682
NTDB id 1083 HON27 RS04190 WP 168726476.1	HLDQDHSAGFPIIQEIPVKQLISNEQLP.....NDLKQPFQYCHGQQQWHYSELDIQILWPKEKDLAFVASNQNQYS	682
NTDB id 1035 TT RS08105 WP 011173974.1	HPDADHYGGLFRVIEEVPVGLALLAPGFPEDHPLA...EALRARGVPVVRAGAGTRLKVGGQGEVRVLWPEALS....GDDNQDG	575
NTDB id 1128 NGFG RS01490 WP 020997305.1	HHDSHDHGGFQAVGKIPNGG...IYAG...QPEFYEGAR.....HCAEQRWQWDGVDFEFLRPSEKKN...IDDNGKS	612
NTDB id 38 MW RS08220 WP 001566670.1	HPHNDHIGEEVEYIISHIKIKHIEIYNKGYSNTLMLLSKLSHKYNIKLIDVRQVSSFKLGDSSFLFFDSFIPNS...RDKNEYS	613
NTDB id 22 SA RS07995 WP 001557362.1	HPHNDHIGEEVEYIISHIKIKHIVIYNKGYSNTLMLLSKLSHKYNIKLMDVRQVSSFKLGDSSFLFFDSFIPNS...RDKNEYS	613
NTDB id 614 LCA RS05330 WP 011374769.1	HQDADHIGDLNLKILKQIRVDRIICAAGLPQNRQFQRQIRPF.LATVQIEPYLAGAAAFKVGSKFNVLAFTKPGK....GENSDS	635
NTDB id 107 BSU 25570 NP 390435.1	HADQDHIGEAEIILKHHKVKRLVTPKGFVSEPKDEKVLQAAREEGVAIEEVKRGDVLQIKDLQFHVLSPEAPDP...ASKNNSS	651
NTDB id 494 SM12261 RS04305 WP 000942409.1	NTDK EYVGDLLEVTKAFHVGEILVSKGSLKQKQFV...AELQATQTKVRSITAGENLSIFGSQLEVLSPRKIGD....G.GYEDS	633
NTDB id 522 SMSK321 RS04965 WP 000942453.1	NTDK EHVGDILLEVTKAFHVGEILVSKGSLKQKEFV...AELQATQIKVHSHAEGENVPIFGSQLEVLSPRKIGD....G.GHDDS	633
NTDB id 264 KZH43 RS04200 WP 000942407.1	NTDK EHVGD LSEMTKAFHVGEILVSKDSLKQKEFV...AELQATQTKVRSIMIVGENLPIFGSQLEVLSPRKMGD....G.GHDDT	633
NTDB id 223 SPD RS04540 WP 000942407.1	NTDK EHVGD LSEMTKAFHVGEILVSKDSLKQKEFV...AELQATQTKVRSIMIVGENLPIFGSQLEVLSPRKMGD....G.GHDDT	633
NTDB id 189 SPR RS04300 WP 000942407.1	NTDK EHVGD LSEMTKAFHVGEILVSKDSLKQKEFV...AELQATQTKVRSIMIVGENLPIFGSQLEVLSPRKMGD....G.GHDDT	633
NTDB id 154 SP RS04735 WP 000942394.1	NTDK EHVGD LSEMTKAFHVGEILVSKDSLKQKEFV...AELQATQTKVRSIMIVGENLPIFGSQLEVLSPRKMGD....G.GHDDT	633
NTDB id 67835 NALG RS10420 WP 286210757.1		0
NTDB id 596 KW2 RS08720 WP 021037686.1	HTDADHVGDFLSLADKIKITREI WVS P GELTNS SFV...EKLKKAKIPTHVSKVGD KIPITFDSFLQVL SNGYTKK....G.DN NDS	622
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NTDB id 1015 ACIAD RS12005 WP 004928865.1	LVLYGKFLDKFLETDGLEEEGFLLKYPDLKVDVILKGGHGSKSSSEFLELKPALISVGKMRYPKHPEQETL	764
NTDB id 1070 ABD1 RS13145 WP 000472713.1	CVVYLQFKKVGQYQNFILIMGDAGWEAEYELLKDYPLNLKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVI	766
NTDB id 1083 HON27 RS04190 WP 168726476.1	CVVYLQFKKVGQYQNFILIMGDAGWEAEYELLKDYPLNLKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVI	766
NTDB id 1035 TT RS08105 WP 011173974.1	LALLLDLFG....RGRALLLADLPREVEARL...P.VGEVEALKVSHHGSQSGTSEVLLERTPRVALIGVGP.NPFGHPHPEVL	650
NTDB id 1128 NGFG RS01490 WP 020997305.1	CVLRVVAG....GAALLVTGDLDTKGEESLVGKYGGNLYSQVLVLGHHGSNTSSSGVFLNAVSPPEYAVASSGYANAYKHPTAEVQ	693
NTDB id 38 MW RS08220 WP 001566670.1	IITMITYQ....NKKVLLMGDASKNNESLLKKYN.LPEIDILKVGHGSKTSSSKEFIEMIKPKISLISSGKNNMYHLPNIEVV	693
NTDB id 22 SA RS07995 WP 001557362.1	IITMITYQ....NKKVLLMGDASKNNESLLKKYN.LPEIDILKVGHGSKTSSSKEFIEMIKPKISLISSGKNNMYHLPNIEVV	693
NTDB id 614 LCA RS05330 WP 011374769.1	LVLQAQIG....GASWLFTGDLEQEGERAIIERYP.QLTVDYLVKVGHHGSKTASDPTVIKKLHLKGALISTGRNRYGHPHQETL	715
NTDB id 107 BSU 25570 NP 390435.1	LVLVWMTG....GMSWILTDGLEKEGEQEV MNVFP.NIKADV LKVGHGSKGSTGEEFIQQLQPKTAIISACKNNRYHHHPHQKVL	731
NTDB id 494 SM12261 RS04305 WP 000942409.1	LVLYGKLL....DKYFLFTGNLEEKGEKELLKHYP.DLKVDVLKAGQHGSKKSSSSDFLEKLPKEFTLISVGKNNRAKLPHQETL	713
NTDB id 522 SMSK321 RS04965 WP 000942453.1	LVLYGKLL....DKHFLFTGNLEEKGEKDLLKQYP.DLEVVDVLKASQHGSKKSSSAFLEQLKPEMTLISVGKSNRMKLPHQETL	713
NTDB id 264 KZH43 RS04200 WP 000942407.1	LVLYGKFL....DKQFLFTGNLEEKGEKDLLKHYP.DLKVNVLKASQHGNNKSSSPAFLEKLPKELTLISVGKSNRMKLPYQETL	713
NTDB id 223 SPD RS04540 WP 000942407.1	LVLYGKFL....DKQFLFTGNLEEKGEKDLLKHYP.DLKVNVLKASQHGNNKSSSPAFLEKLPKELTLISVGKSNRMKLPYQETL	713
NTDB id 189 SPR RS04300 WP 000942407.1	LVLYGKFL....DKQFLFTGNLEEKGEKDLLKHYP.DLKVNVLKASQHGNNKSSSPAFLEKLPKELTLISVGKSNRMKLPYQETL	713
NTDB id 154 SP RS04735 WP 000942394.1	LVLYGKFL....DKQFLFTGNLEEKGEKDLLKHYP.DLKVNVLKASQHGNNKSSSPAFLEKLPKELTLISVGKSNRMKLPYQETL	713
NTDB id 67835 NALG RS10420 WP 286210757.1	.MTFGEFY....GKKFLFTGDLEEEGEAKLQKGYP.HLEVVDILKVGHGSKTSSKEGFLEAIKPKIALISAGKNNRYKHPSQETL	79
NTDB id 596 KW2 RS08720 WP 021037686.1	IVTYGNFY....HTKFLFTGDLEQEGEKKLLQNYP.KLQVDVLKVGHGSKTSSSEFIIKEIHPKLALISVGKANRYGHPNQETL	702
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NTDB id 1015 ACIAD RS12005 WP 004928865.1	NRLQDINIPILSTTDKGAIHFKFDSGNEQTEFYRQS.YKWLQR.....	806
NTDB id 1070 ABD1 RS13145 WP 000472713.1	ARLKALHIPLKSTVEQGTLSFVLENHKIVLHDRRLD.RLWLSRGF...	810
NTDB id 1083 HON27 RS04190 WP 168726476.1	ARLKALHIPLKSTLEQGTLSFVLENHKLVHDRRLD.RLWLSRGF...	810
NTDB id 1035 TT RS08105 WP 011173974.1	ERLERHGAEIRRTDQDGAVRVLFGYAW.....	677
NTDB id 1128 NGFG RS01490 WP 020997305.1	NRVRAHGIKLLRTDLSGALQFGLGRGGVKAQRLRVYKFYWQKKPFE..	739
NTDB id 38 MW RS08220 WP 001566670.1	KRLQRIRSRIYNSQQNGQVTIDLDDNL.KVDSNSYGNA...SGL....	733
NTDB id 22 SA RS07995 WP 001557362.1	KRLQRIRSRIYNSQQNGQVTIDLDDNL.KVDSNSYGNA...SGL....	733
NTDB id 614 LCA RS05330 WP 011374769.1	TTLQAAKVPLYWLTAAQQGMLTWAYGPGQSEKLQTTIKDS...EK.....	755
NTDB id 107 BSU 25570 NP 390435.1	QLLQRHSIRVLRTDQNGTIQYRYKNRVGTFSVYPPYDT...SDITETN	776
NTDB id 494 SM12261 RS04305 WP 000942409.1	TRLETINSKVYRTDQHGAIKRFKG.WNSWKVETVG.....	746
NTDB id 522 SMSK321 RS04965 WP 000942453.1	TRLEGINSKVYRTDQCGAIRFKG.WNSWKIESVR.....	746
NTDB id 264 KZH43 RS04200 WP 000942407.1	TRLEGINSKVYRTDQCGAIRFKG.LDSWKIESVR.....	746
NTDB id 223 SPD RS04540 WP 000942407.1	TRLEGINSKVYRTDQCGAIRFKG.LDSWKIESVR.....	746
NTDB id 189 SPR RS04300 WP 000942407.1	TRLEGINSKVYRTDQCGAIRFKG.LDSWKIESVR.....	746
NTDB id 154 SP RS04735 WP 000942394.1	TRLEGINSKVYRTDQCGAIRFKG.LDSWKIESVR.....	746
NTDB id 67835 NALG RS10420 WP 286210757.1	HQLTARGIKIYRTDQCGAIRLLYKKGSWQIQTVK.....	113
NTDB id 596 KW2 RS08720 WP 021037686.1	ETLAKYQVKTLRTDQKGAIKLTEVNNQQWQIKTVR.....	736
consensus	* * * * * ! * * *	

- ☐ non conserved
- ☒ similar
- ☒ ≥ 50% conserved