

logo

NTDB id 622 LCA RS06455 WP 041820873.1	MRLIGRPIKHS	AFTLL	EMV	ISMA	23		
NTDB id 591 KW2 RS10830 WP 014735174.1	MKLKIR	AFTLL	ECL	VALL	18		
NTDB id 1308 DR RS06345 WP 010887875.1	MKDRGQS	GMTLL	ELL	VVIA	19		
NTDB id 1038 HON27 RS01510 WP 000993725.1	MNAQK	GFTLL	ELM	VVA	17		
NTDB id 620 LCA RS06465 WP 041820876.1	MKAARLSKNE	GFTLL	EMC	VVLA	22		
NTDB id 1229 CJJ81176 RS06455 WP 002869328.1	MRK	AFTLL	ELV	FVIV	15		
NTDB id 1424 RS RS02795 WP 011000517.1	MKSMRHLNKR	VQK	GFTLL	ELM	VVA	25	
NTDB id 1400 DSB67 RS12660 WP 010643261.1	MKTNKQKKQK	GFTLL	ELM	VVA	22		
NTDB id 1184 GTF74 RS02335 WP 000649326.1	MKAYKNKQKQ	GFTLL	ELM	VVA	22		
NTDB id 1167 A1552VC RS11065 WP 000649326.1	MKAYKNKQKQ	GFTLL	ELM	VVA	22		
NTDB id 1160 ABDM36 RS02330 WP 000649326.1	MKAYKNKQKQ	GFTLL	ELM	VVA	22		
NTDB id 1007 ACIAD RS15000 WP 004923844.1	MRVRH	GFTLL	ELM	VVA	17		
NTDB id 1204 PSJM300 03935 AFN76865.1	MKPVKSSCR	GFTLL	ELM	VVA	21		
NTDB id 460 GPW51 RS00790 WP 011921720.1	MKKLVE	MKV	GFTLV	EMLV	VLG	22	
NTDB id 272 KZH43 RS09255 WP 000738626.1	MKKMMTFLK	KAKVK	AFTLV	EMLV	VLL	26	
NTDB id 231 SPD RS09885 WP 000738626.1	MKKMMTFLK	KAKVK	AFTLV	EMLV	VLL	26	
NTDB id 197 SPR RS09420 WP 000738626.1	MKKMMTFLK	KAKVK	AFTLV	EMLV	VLL	26	
NTDB id 162 SP RS10370 WP 000738627.1	MKKMMTFLK	KAKVK	AFTLV	EMLV	VLL	26	
NTDB id 431 SGO RS09410 WP 012130940.1	MNKLKKLR	VKA	AFTLV	EMLV	VLL	22	
NTDB id 1282 ACE17W RS10880 WP 010946369.1	MNKVITESQKFTLRNIANMLFCVESSVLP	AQSNIAQKIQTQGIMYNDLCKDSFDTE	..APLNSNPLSIA	GFTLV	ELLV	TLS	79
NTDB id 1292 VP RS12235 WP 005479693.1	MKHSKQKKQK	GFTLL	ELM	VVA	22		
NTDB id 1088 NMV RS07470 WP 173277181.1	MEQK	GFTLL	EMM	VVA	16		
NTDB id 1140 NGFG RS02440 WP 025455870.1	MEQK	GFTLL	EMM	VVA	16		
NTDB id 1076 ABD1 RS08075 WP 000594585.1	MIKN...KYIHIRSIASRLAARSSSARL	TRAS	GFTLV	ELL	V	AIA	41
NTDB id 1066 ABD1 RS15740 WP 000079197.1	MAQSFISNKEQ	GFTLL	ELI	V	AIA	23	
NTDB id 1309 DR RS02825 WP 034349477.1	MKNTTQ	GFTLL	ELL	V	IA	18	
NTDB id 1005 ACIAD RS03200 WP 004922618.1	MYNNCF	GFTLL	EF	I	V	SA	18
NTDB id 1109 OK783 RS10670 WP 157147416.1	MNTLQK	GFTLL	ELM	V	IA	18	
NTDB id 1119 NGFG RS11465 WP 017147169.1	MNTLQK	GFTLL	ELM	V	IA	18	
NTDB id 1415 SGL RS07945 WP 010872381.1	MASNFKFKLLSQLSKKRAEG	GFTLL	ELL	V	V	VI	32
NTDB id 1354 HI 0299 AAC21963.1	MKLTTLQTL	LKK	GFTLL	ELM	V	IA	23
NTDB id 1064 ABD1 RS15725 WP 001046490.1	MNKYYILRFNQ	GFTLL	ELM	V	V	IV	23
NTDB id 1032 TT RS04325 WP 011173285.1	MKR	GFTLV	EV	L	V	A	15
NTDB id 419019 GWG10 RS23285 WP 180911214.1	MSNR	GFTLL	ELI	V	V	IL	16
NTDB id 1085 NMV RS10945 WP 002218144.1	MTDNR	GFTLV	ELI	S	V	VL	17
NTDB id 1117 NGFG RS06520 WP 002214937.1	MTDNR	GFTLV	ELI	S	V	VL	17
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NTDB id 622 LCA RS06455 WP 041820873.1	IIIIITSQILVATVGVLQKAIKVTQQQQNTINWHISTQLDQFLA.DAYFTHH....QDQD.....GSK	81
NTDB id 591 KW2 RS10830 WP 014735174.1	ATSGSVL.VISGLTRMIEEQMKIS.....QNDSRKDWQIFCEQMRSEL.SG.AKLDN.....VNQNF	72
NTDB id 1308 DR RS06345 WP 010887875.1	IIIGILMGIFGWNLVRSIRAAELRE...A...ATQVAD..LRQA.RSQAQRG....SRDIV.....	67
NTDB id 1038 HON27 RS01510 WP 000993725.1	IIIGILAAATATPQQYQNYIAKSQVNS...G....FSEISSIKTGY.ENAVNEG....AVPTK.....LSDVGF	71
NTDB id 620 LCA RS06465 WP 041820876.1	IVSLLSWLPIYQIKQYRAQQAEQL...F....LHQFETSWDAA.RQYVAIE....PR.....AVGVMWDAPT	77
NTDB id 1229 CJJ81176 RS06455 WP 002869328.1	IIIGILAAVALPKMSSSKDEAEVSK...S....LNNIKTLINDI.SIYTLKN...DHLNSI.....KTMSNVSGIEN	75
NTDB id 1424 RS RS02795 WP 011000517.1	IVGILAAATATPAYQDYTVRARVTE...G....LSLAAQAKALV....SENAANAQSDLS.....VGS	76
NTDB id 1400 DSB67 RS12660 WP 010643261.1	IIIGILAAATATPAYQDYTKKATMAE...F...PKIASSTKLA..V.ELCAHEHAADAGAFKTKCHQT..ANGIPAAFTLNN	91
NTDB id 1184 GTF74 RS02335 WP 000649326.1	VIGVLAATATPQQYQNYVKKSAIGV...G....LANITALKTNI.EDYIATE...GSFPATT.....A..GTAAGF	79
NTDB id 1167 A1552VC RS11065 WP 000649326.1	VIGVLAATATPQQYQNYVKKSAIGV...G....LANITALKTNI.EDYIATE...GSFPATT.....A..GTAAGF	79
NTDB id 1160 ABDM36 RS02330 WP 000649326.1	VIGVLAATATPQQYQNYVKKSAIGV...G....LANITALKTNI.EDYIATE...GSFPATT.....A..GTAAGF	79
NTDB id 1007 ACIAD RS15000 WP 004923844.1	IIIGILAAATATPSYQNYKIRVNRSD...V....QSEIRVSQQL.QSYKMVN...HGYAN.....ASLAGLGN	73
NTDB id 1204 PSJM300 03935 AFN76865.1	IIIGILAAATATPAYQNYTVRSTAAS...A....LAEITPAKAAF.EQAISEGHT..PSLVS.....SL.PGF	76
NTDB id 460 GPW51 RS00790 WP 011921720.1	IIISLILLFVFNLSQQKDAIQKKG...D...AAVVKVVESQ..M.ELYELEH...DE.EA.....TVADLQAKGY	79
NTDB id 272 KZH43 RS09255 WP 000738626.1	IIISVLFLLFVFNLTQKQKEAVNDKG...K...AAVVKVVESQ..A.ELYSLEK....NE.DA.....SLRKLQADGR	83
NTDB id 231 SPD RS09885 WP 000738626.1	IIISVLFLLFVFNLTQKQKEAVNDKG...K...AAVVKVVESQ..A.ELYSLEK....NE.DA.....SLRKLQADGR	83
NTDB id 197 SPR RS09420 WP 000738626.1	IIISVLFLLFVFNLTQKQKEAVNDKG...K...AAVVKVVESQ..A.ELYSLEK....NE.DA.....SLRKLQADGR	83
NTDB id 162 SP RS10370 WP 000738627.1	IIISVLFLLFVFNLTQKQKEAVNDKG...K...AAVVKVVESQ..A.ELYSLEK....NE.DA.....SLRKLQADGR	83
NTDB id 431 SGO RS09410 WP 012130940.1	IIISVLMLLFVFNLTQKQKEAVSDTG...N...AAVVKVVESQ..A.ELYELKN....TGDQA.....TSLKLVAAGN	80
NTDB id 1282 ACE17W RS10880 WP 010946369.1	VFATILTLIVPSLRTMILNSRLTS...N....IDSVSSLNYA.RGVALDRAV..NVAVCPLG.SPGSTACGANWSSGW	147
NTDB id 1292 VP RS12235 WP 005479693.1	ITGVLAATAATPAYQNYVTRSEVTS...G....LATVKALITPA.ELHYQEN...GIAAAAT.....L.....	73
NTDB id 1088 NMV RS07470 WP 173277181.1	IIIGIISVIAIPSYQSYIEKGYQSQ...L....YTEMVGINNIS.KQFILKN...PLDDN.....QTIKSKLER.F	74
NTDB id 1140 NGFG RS02440 WP 025455870.1	IIIGIISVIAIPSYQSYIEKGYQSQ...L....YTEMVGINNVL.KQFILKN...PQDDN.....DILKSKLEI.F	74
NTDB id 1076 ABD1 RS08075 WP 000594585.1	IFAVLSLIGWKIFD.YLLKVRDRN...A...EHEVHLFELQDAY..QQILRD...TLQIIP.....LSA	93
NTDB id 1066 ABD1 RS15740 WP 000079197.1	LGLLILVAAAATQLFIGGLSSRLQK...A....NAEIQDSGIFG.LEYMARD...IRLLNYGNVNPQLTDTTPWGGIV	90
NTDB id 1309 DR RS02825 WP 034349477.1	IIIGILAAVLIPNLLGARAKANDSA...T....QSYIRNCYTAV.EVARGAD....GRLPAAG.....NCDSTANLGT	78
NTDB id 1005 ACIAD RS03200 WP 004922618.1	IIATILVSLGLPAYHRHMAAQEART...I...PHILTTHIQKAKS.EAVMYRH...NVIICPSH...DTQTCSDDWSNGL	84
NTDB id 1109 OK783 RS10670 WP 157147416.1	IVGILAAVALPAYQDYTARAQVSE...A....ILLAEQGKSAV.TEYYLNLH....G.....IWPKDN	68
NTDB id 1119 NGFG RS11465 WP 017147169.1	IVGILAAVALPAYQDYTARAQVSE...A....ILLAEQGKSAV.TEYYLNLH....G.....KWPENN	68
NTDB id 1415 SGL RS07945 WP 010872381.1	IIIGVLAATATPNLLGQVGKARESE...A....KSTIGALNRAQ.QGYFTEK...GTFAT.....DTETLE...	86
NTDB id 1354 HI 0299 AAC21963.1	IIATILATIAIPSYQNYTKKAAVSE...L....LQASAPYKADVELCVYSTN...ETTSC.....TGKGNGIAA	81
NTDB id 1064 ABD1 RS15725 WP 001046490.1	IVATIFASTATPSYQSYRRATASA...A....KSEILKLAEQL.EQHKSRLN...FTYR.....GFTTTS	76
NTDB id 1032 TT RS04325 WP 011173285.1	ILVVVLAVGVRYFASTSELARNTQ...A....RSEIQDRVRMV.MQVVTAD....LQMA.....GARYWNSGN	71
NTDB id 419019 GWG10 RS23285 WP 180911214.1	ILVVVLVTGVPSFI.....	30
NTDB id 1085 NMV RS10945 WP 002218144.1	ILSVLALIVYPSYRNYVEKAKINA...V....RAALLENAHFM.EKFYLNQ...GRFKQ.....TSTKWPSLP	74
NTDB id 1117 NGFG RS06520 WP 002214937.1	ILSVLALIVYPSYRNYVEKAKINA...V....RAALLENAHFM.EKFYLNQ...GRFKQ.....TSTKWPSLP	74
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NTDB id 460 GPW51 RS00790 WP 011921720.1
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NTDB id 231 SPD RS09885 WP 000738626.1
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NTDB id 1085 NMV RS10945 WP 002218144.1
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I.....TFRKPD...NQSGEE.....AETVYYLKRMKNE...MVVVSQLDGYMPLLGLK... 125
LY...VT...KDKKLR...GLVGD...D.....FRKSDDKGQ.....GYQPMYDLKGAKIQAEEN... 117
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HTITFKGAGESFRNHQLVLPETL.TVSNPAEWHLINITHNKGIK.PRTLK.....LKSTLNNREYQYK... 138
IDLSNFN...GTKEVNERVVGDD.....KKCLKLV.....FINKVDFILMGISSNEASKN 121
S...VFTPTKNVAN...LTIAGT.GTVPGQIT.....VTYTAAAGG...TLA..... 114
L...TVTPAAGAASGAISITVNAANDKGPI.....KQNEKYILTATY..... 130
TRLGTVE.....D...MGDGKI.....VIAPTASGALGGTIKYTFDAGVVSSSKIQ 122
TRLGTVE.....D...MGDGKI.....VIAPTASGALGGTIKYTFDAGVVSSSKIQ 122
TRLGTVE.....D...MGDGKI.....VIAPTASGALGGTIKYTFDAGVVSSSKIQ 122
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I.....KEAE.GFCIRLN...GI...A.....RGALDSKFM.....LKAVAI... 104

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NTDB id 622 LCA RS06455 WP 041820873.1	K.....QLQLDY.....QRPFVQIDTTFTDQSRVQHEVFLEEQDEQA.	162
NTDB id 591 KW2 RS10830 WP 014735174.1	LIKIT.....IDFD.....NGGERVFIYRFTDTK.....	141
NTDB id 1308 DR RS06345 WP 010887875.1	GSI.....YT.....VRSPMNGIG	134
NTDB id 1038 HON27 RS01510 WP 000993725.1	VELTRSTDGAWTCVS.....DVP	128
NTDB id 620 LCA RS06465 WP 041820876.1	VQMMWGVLVHVQK.....	150
NTDB id 1229 CJJ81176 RS06455 WP 002869328.1	A.....IINA.....ANQSHEDLENVNFTSSSSNKACVILS.....	152
NTDB id 1424 RS RS02795 WP 011000517.1	LVPTAAGTALP.....VSSAPSGPIMWTCYAQNKAQAASSVAPS.....GTMSLA	159
NTDB id 1400 DSB67 RS12660 WP 010643261.1	ASNGVTWSSECK.....DATNAVQTSYCP.....	154
NTDB id 1184 GTF74 RS02335 WP 000649326.1	LARDA.....NGLWTCSTTVTSE.....	140
NTDB id 1167 A1552VC RS11065 WP 000649326.1	LARDA.....NGLWTCSTTVTSE.....	140
NTDB id 1160 ABDM36 RS02330 WP 000649326.1	LARDA.....NGLWTCSTTVTSE.....	140
NTDB id 1007 ACIAD RS15000 WP 004923844.1	MQAGNGIIC.....LNQDGGKFWSKAATACSLSSNSTW.....DGR...	144
NTDB id 1204 PSJM300 03935 AFN76865.1		136
NTDB id 460 GPW51 RS00790 WP 011921720.1		93
NTDB id 272 KZH43 RS09255 WP 000738626.1		108
NTDB id 231 SPD RS09885 WP 000738626.1		108
NTDB id 197 SPR RS09420 WP 000738626.1		108
NTDB id 162 SP RS10370 WP 000738627.1		108
NTDB id 431 SGO RS09410 WP 012130940.1		105
NTDB id 1282 ACE17W RS10880 WP 010946369.1	TMCDNRGNAFARSAMVLATGFVQSGTTPGQA..VWNNGALNCP.....	235
NTDB id 1292 VP RS12235 WP 005479693.1	GGILTFTRDAATGWSCLPATA.....IAVDGCS	139
NTDB id 1088 NMV RS07470 WP 173277181.1	TGYTLVWMNSV.....GDGYKCRDAASARAHLE.....TLSSDVGCE	150
NTDB id 1140 NGFG RS02440 WP 025455870.1	TGYTLVWMNSV.....GDGYKCRDATSAQVYLE.....TLSANTGCE	150
NTDB id 1076 ABD1 RS08075 WP 000594585.1	YTNL.....NTSNREQPLSSTLL.....SQVDQYQIMVLTPQEVTKWPEVNIDPT.....KPNE	195
NTDB id 1066 ABD1 RS15740 WP 000079197.1	AEV.....QSDQLTIQFIAPTNTMTNCEGVNVLGLDQVRY....FLRVDNNGSS	191
NTDB id 1309 DR RS02825 WP 034349477.1	EGTGATGACTFSTSTGTGTGTG.T.....GTGT.....GTGTGTG	156
NTDB id 1005 ACIAD RS03200 WP 004922618.1	FKAGTGLPIA.....SNGS.FYYCSEKTANKKLVLSRMG....HI.....RHEQVNDCT	171
NTDB id 1109 OK783 RS10670 WP 157147416.1	K.....EIQDKKLSLWAKR.Q.....DGSVKWFCGQPVRT....GDND.....DT.....VADANNAID	149
NTDB id 1119 NGFG RS11465 WP 017147169.1	N.....EIKGKKLSLWGRR.E.....NGSVKWFCGQPVTRA....DDDT.....VA.....DAKDGEID	150
NTDB id 1415 SGL RS07945 WP 010872381.1	MSGGTFYDS.G.....TRAFSTVVCRAEAG.....SED.....PP.....TPGGANDCG	162
NTDB id 1354 HI 0299 AAC21963.1	NAAAGVTWTTT.C.....KGTASLF.....PANFCG	145
NTDB id 1064 ABD1 RS15725 WP 001046490.1	NTAANGQTWVIK.A.....TTTDSRNFNFIKNSGLRC....QSLT....A.....TAVDNDG	144
NTDB id 1032 TT RS04325 WP 011173285.1	ATPSSGSDCTTPPPNSQPLAEG.M.....LALDIQY.....QC....SDGS.....R.....KDTPDG	171
NTDB id 419019 GWG10 RS23285 WP 180911214.1		30
NTDB id 1085 NMV RS10945 WP 002218144.1	DKDKNPFIK.M.....NENLVTFICKKSASSC....SDGL.....DY.....FKGNDKDC	146
NTDB id 1117 NGFG RS06520 WP 002214937.1	DKDKNPFIK.M.....NENLVTFICKKSASSC....SDGL.....DY.....FKGNDKDC	146
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NTDB id 419019 GWG10 RS23285 WP 180911214.1
NTDB id 1085 NMV RS10945 WP 002218144.1
NTDB id 1117 NGFG RS06520 WP 002214937.1
consensus

...KKKTIKTD.....
DYEIR.....IVGVTGKVILAKAGS.....
TEFLPKGCTAGTPTTEGAITSL.....
.....KNEFKNLASKTYLLIGM.....
AKYAPAECR.....
...IAPKGCTAGATIN.....
..IAPKGCTAGATIN.....
..IAPKGCTAGATIN.....
..IAPKGCTAGATIN.....
.....PGKCL.....
AFSNRKK.....
AFSNRKK.....
LKKLPKGIKIQLT.....VAGV.....NYEWIYSLNQGDLSLSQEGNS.....
QQDYALACDANTPAVSATAQPDIVNGLGDAGQIILPRIDHFHVLLGAKNA.AGNFAYYTIPQYRVAAQAARDASPAVAAP
SN.....
L.....
TKHLPSTCRDESSAT.....
TKHLPSTCRDKASDAK.....
GAEVIK.....
SVTK.....
GTVTCNV CETNSENWQ.....VTNPGPASLTT.....VTGKTLACPQGRACYALTQEVL.....MP
TDAYPRSAKVTVAGYSLTS.....
LFK.....
LLK.....

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NTDB id 622 LCA RS06455 WP 041820873.1		170
NTDB id 591 KW2 RS10830 WP 014735174.1		141
NTDB id 1308 DR RS06345 WP 010887875.1		154
NTDB id 1038 HON27 RS01510 WP 000993725.1		149
NTDB id 620 LCA RS06465 WP 041820876.1		150
NTDB id 1229 CJJ81176 RS06455 WP 002869328.1		171
NTDB id 1424 RS RS02795 WP 011000517.1		168
NTDB id 1400 DSB67 RS12660 WP 010643261.1		154
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NTDB id 1160 ABDM36 RS02330 WP 000649326.1		153
NTDB id 1007 ACIAD RS15000 WP 004923844.1		144
NTDB id 1204 PSJM300 03935 AFN76865.1		141
NTDB id 460 GPW51 RS00790 WP 011921720.1		93
NTDB id 272 KZH43 RS09255 WP 000738626.1		108
NTDB id 231 SPD RS09885 WP 000738626.1		108
NTDB id 197 SPR RS09420 WP 000738626.1		108
NTDB id 162 SP RS10370 WP 000738627.1		108
NTDB id 431 SGO RS09410 WP 012130940.1		105
NTDB id 1282 ACE17W RS10880 WP 010946369.1		235
NTDB id 1292 VP RS12235 WP 005479693.1		139
NTDB id 1088 NMV RS07470 WP 173277181.1		157
NTDB id 1140 NGFG RS02440 WP 025455870.1		157
NTDB id 1076 ABD1 RS08075 WP 000594585.1		233
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NTDB id 1117 NGFG RS06520 WP 002214937.1		149
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved