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NTDB id 1184	GTF74	RS02335	WP 000649326.1	MKAYKNKQQK	GFTL	ELMIVVAV	IGVLA	AAIA	IPQYQNYVKKSA	IGVGLAN	TALK	NI	58	
NTDB id 1167	A1552VC	RS11065	WP 000649326.1	MKAYKNKQQK	GFTL	ELMIVVAV	IGVLA	AAIA	IPQYQNYVKKSA	IGVGLAN	TALK	NI	58	
NTDB id 1160	ABDM36	RS02330	WP 000649326.1	MKAYKNKQQK	GFTL	ELMIVVAV	IGVLA	AAIA	IPQYQNYVKKSA	IGVGLAN	TALK	NI	58	
NTDB id 1292	VP	RS12235	WP 005479693.1	MKHSKQKKQQ	GFTL	ELMIVVAV	IGVLA	AAAA	IPAYQNYVTR	SEVTSGLAT	VKALIT	PA	58	
NTDB id 432	SGO	RS09405	WP 012130939.1	MVRTIVRLRQLPI	KAFTV	LESLLVLM	ISSFT	LLALSSSSV	QATFEQI	QAKIFFL	EF	55		
NTDB id 1136	NGFG	RS02420	WP 003687912.1	MCTRKQQ	GFTL	ELLIVMA	IAATMAT	IALPNMSGW	IASRRIASHAEQ	VANIL	RFSRGEAVRLNLPV	66		
NTDB id 1229	CJJ81176	RS06455	WP 002869328.1	MRKAFT	LELVFV	IVIGILAA	VALPKMSSSK	DEAEVSKSLNN	KT	IN.....DI	51			
NTDB id 1424	RS	RS02795	WP 011000517.1	MKSMRHLNKR	VQK	GFTL	ELMIVVAV	IGVLA	AAIA	IPAYQDYTV	RARVTEGLSLAAQAKA	LV	61	
NTDB id 1109	OK783	RS10670	WP 157147416.1	MNTLQK	GFTL	ELMIVVAV	IGVLA	AAVAL	PAYQDYTARAQV	SEAILLAEGQKS	AV	54		
NTDB id 1119	NGFG	RS11465	WP 017147169.1	MNTLQK	GFTL	ELMIVVAV	IGVLA	AAVAL	PAYQDYTARAQV	SEAILLAEGQKS	AV	54		
NTDB id 1400	DSB67	RS12660	WP 010643261.1	MKTNKQKKQ	GFTL	ELMIVVAV	IGVLA	AAIA	IPAYQDYTK	KATMAEF	PKIASSTKL	AV	58	
NTDB id 1309	DR	RS02825	WP 034349477.1	MKNTTQ	GFTL	ELLIVVAV	IGVLA	AAVLIP	NLLGARAK	ANDSATQSY	IRNCYT	AV	54	
NTDB id 1273	LPP	RS03425	WP 010946364.1	MLSHVHFMKNS	RMKQSA	FTLVEV	LISMVIM	GILVSI	IAYPSYLQY	IQKSRRAD	HATLTQDQI	IL	64	
NTDB id 1260	GC085	RS03355	WP 010946364.1	MLSHVHFMKNS	RMKQSA	FTLVEV	LISMVIM	GILVSI	IAYPSYLQY	IQKSRRAD	HATLTQDQI	IL	64	
NTDB id 619	LCA	RS06470	WP 011374999.1	MKKKR	KAFTL	EMVVVLA	ITALL	LILLVAP	NLGAQKQ	RAEKKTDQAL	VTTLT	QV	54	
NTDB id 1415	SGL	RS07945	WP 010872381.1	MASNF.KFKLLS	QLSKKRAEG	GFTL	ELLVVV	IIIGVLA	AAIALPNLLG	QVVGKARE	SEAKSTIGALNR	AQ	68	
NTDB id 588	KW2	RS10845	WP 051303741.1	MSKALSLVKIHGR	KLCQKKQ	KAFTL	ELMIVVAV	IGVLA	AAIA	IPAYQDYTK	KATMAEF	PKIASSTKL	AV	58
NTDB id 111802	MY04	RS21175	WP 084006043.1	MKNCKKNL	KAFTL	QELLV	VLVIV	GVVLVLL	ALPNLTL	QA	69			
NTDB id 460	GPW51	RS00790	WP 011921720.1	MKKLVEMK	VKGFTL	VEMLV	VLGII	SLLLLFV	PNLSQQK	DAIQKKG	DAAVVKV	VES.....QM	58	
NTDB id 272	KZH43	RS09255	WP 000738626.1	MKKMMTFL	KKAKVKA	FTLVEML	VVLLII	SVLFLL	FVPNLT	KQKEAVND	KGKAAVVKV	VES.....QA	62	
NTDB id 231	SPD	RS09885	WP 000738626.1	MKKMMTFL	KKAKVKA	FTLVEML	VVLLII	SVLFLL	FVPNLT	KQKEAVND	KGKAAVVKV	VES.....QA	62	
NTDB id 197	SPR	RS09420	WP 000738626.1	MKKMMTFL	KKAKVKA	FTLVEML	VVLLII	SVLFLL	FVPNLT	KQKEAVND	KGKAAVVKV	VES.....QA	62	
NTDB id 162	SP	RS10370	WP 000738627.1	MKKMMTFL	KKAKVKA	FTLVEML	VVLLII	SVLFLL	FVPNLT	KQKEAVND	KGKAAVVKV	VES.....QA	62	
NTDB id 431	SGO	RS09410	WP 012130940.1	MNKLK	KLVRKA	FTLVEML	VVLLII	SVLM	LLFVPNLT	KQKEAVSD	TGNAAVVKV	VES.....QA	58	
NTDB id 396	FSA28	RS09395	WP 002263437.1	MKKIKR	VSVA	FTLVEML	VVLLII	SVL	LLFVPNLT	KQKDKVK	DTGGS	AVVKV	VES.....QA	58
NTDB id 387	SMU	RS09025	WP 002263437.1	MKKIKR	VSVA	FTLVEML	VVLLII	SVL	LLFVPNLT	KQKDKVK	DTGGS	AVVKV	VES.....QA	58
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NTDB id 1184	GTF74	RS02335	WP 000649326.1	EDYIATEGSFPATTAGTAAG.....FTRLGTVEDM	MGDGK	IVIAPTASGALG..CTIKY.....TFDA	113
NTDB id 1167	A1552VC	RS11065	WP 000649326.1	EDYIATEGSFPATTAGTAAG.....FTRLGTVEDM	MGDGK	IVIAPTASGALG..CTIKY.....TFDA	113
NTDB id 1160	ABDM36	RS02330	WP 000649326.1	EDYIATEGSFPATTAGTAAG.....FTRLGTVEDM	MGDGK	IVIAPTASGALG..CTIKY.....TFDA	113
NTDB id 1292	VP	RS12235	WP 005479693.1	ELHYQENGIAAA.....AT.....LAQLGVDVAANDL....GAIDSALAGGSPTLTF.....TFDA			105
NTDB id 432	SGO	RS09405	WP 012130939.1	EHFYQESQKLSVSSQRKLVLEISSQEISNGY..ARLPIPI.....KGIQAPESTQIY.....FDK			107
NTDB id 1136	NGFG	RS02420	WP 003687912.1	YICPVQVKKDGA..PNNRCDFS..KK...GR...GML..A.....FGDKNCNKAYDNDTVDVFLRSVVLN			119
NTDB id 1229	CJJ81176	RS06455	WP 002869328.1	SIYTLKNDHLNSIKTMSNVSG.....IENMDSL.....N....FNCTKEV.....NF.R			90
NTDB id 1424	RS	RS02795	WP 011000517.1	SENAANAQSDLSV..GSSVFT..PT....KN.VANLTIA.....GTGTVPCCITV.....TYTT			106
NTDB id 1109	OK783	RS10670	WP 157147416.1	TEYYLNHGIWPKDNTSAGVAS.A.STIKGKYVQ.KV.....EVAKGVVTA.....QMAS			100
NTDB id 1119	NGFG	RS11465	WP 017147169.1	TEYYLNHGKWPENNTSAGVAS.PPTDIKGKYVK.EV.....EVKNCVVTA.....TMLS			101
NTDB id 1400	DSB67	RS12660	WP 010643261.1	ELCAHEHAADAGAFKTKCHQT..ANGIPAAFTLNNLTVT.....PAAGAASCAISI.....T.VN			110
NTDB id 1309	DR	RS02825	WP 034349477.1	EVARGADGRLPAA..GNCDST..AN.....LGTNAVA.....TPCATT.....			89
NTDB id 1273	LPP	RS03425	WP 010946364.1	ERCYSQNFSYAA...ACGAL..PA.....FPQT..T.....PNCYYTI.....NISN			99
NTDB id 1260	GC085	RS03355	WP 010946364.1	ERCYSQNFSYAA...ACGAL..PA.....FPQT..T.....PNCYYTI.....NISN			99
NTDB id 619	LCA	RS06470	WP 011374999.1	ELASDEIGHQ.....I..KS.....LDEL.....TDKYISK.....DQLK			82
NTDB id 1415	SGL	RS07945	WP 010872381.1	QGYFTEKGTAT.....DT..ET.....LEVPA.A.....PDCNFFS.....FAVN			100
NTDB id 588	KW2	RS10845	WP 051303741.1	QLYELDHDN.....DK..PN.....LSEL..L.....SACMITQ.....KQV.			97
NTDB id 111802	MY04	RS21175	WP 084006043.1				36
NTDB id 460	GPW51	RS00790	WP 011921720.1	ELYELEHD.....EE..AT.....VADL..Q.....AKGYITE.....KQA.			85
NTDB id 272	KZH43	RS09255	WP 000738626.1	ELYSLEKN.....ED..AS.....LRKL..Q.....ADCRITE.....EQA.			89
NTDB id 231	SPD	RS09885	WP 000738626.1	ELYSLEKN.....ED..AS.....LRKL..Q.....ADCRITE.....EQA.			89
NTDB id 197	SPR	RS09420	WP 000738626.1	ELYSLEKN.....ED..AS.....LRKL..Q.....ADCRITE.....EQA.			89
NTDB id 162	SP	RS10370	WP 000738627.1	ELYSLEKN.....ED..AS.....LRKL..Q.....ADCRITE.....EQA.			89
NTDB id 431	SGO	RS09410	WP 012130940.1	ELYELKNTG.....DQ..AT.....LSKL..V.....AAGNISQ.....KQA.			86
NTDB id 396	FSA28	RS09395	WP 002263437.1	ELYELNKT.....DS..AT.....LSKL..V.....ASCDITQ.....EQA.			85
NTDB id 387	SMU	RS09025	WP 002263437.1	ELYELNKT.....DS..AT.....LSKL..V.....ASCDITQ.....EQA.			85
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NTDB id 1184 GTF74 RS02335 WP 000649326.1	GV.VSSSKIQLA.....RDANGLVTCSTT.VTS.....	139
NTDB id 1167 A1552VC RS11065 WP 000649326.1	GV.VSSSKIQLA.....RDANGLVTCSTT.VTS.....	139
NTDB id 1160 ABDM36 RS02330 WP 000649326.1	GV.VSSSKIQLA.....RDANGLVTCSTT.VTS.....	139
NTDB id 1292 VP RS12235 WP 005479693.1	DSSIDGGILTFT.....RDAATGWSCLPT.A.P.....	131
NTDB id 432 SGO RS09405 WP 012130939.1	AG.GNSS.LSKVQFQT.....KEGLVTYQLYIGNGKFKKTTN.....	142
NTDB id 1136 NGFG RS02420 WP 003687912.1	DT.DDSRINYA.....FNHIAFGSSQPTADRVVTFNQ.NGTFGYLPDQNLKDNSKFVYSDGYIQIVLTDARAVSDADK	191
NTDB id 1229 CJJ81176 RS06455 WP 002869328.1	VG.DDKKCLKLV.FINKVDFILMGIS..SNEAS.....KNAII.....NAANQ.SH	131
NTDB id 1424 RS RS02795 WP 011000517.1	AA.G.GGTALALVPTAAGTAL.PVSSA..PSGPIMVTCYAQNKA.....QAASS...	149
NTDB id 1109 OK783 RS10670 WP 157147416.1	TG.V....N...KEIQDKKLSLWAKR..QDGSVKVFCGQP.VT.....RTGDN.DD	139
NTDB id 1119 NGFG RS11465 WP 017147169.1	SG.V....N...NEIKGKKLSLWGRR..ENGSVKVFCEGQP.VT.....RADDD.TV	140
NTDB id 1400 DSB67 RS12660 WP 010643261.1	AA.NDKGPI...K..QNEKYILTATY..ASNGVTVSSECKDAT.....NAV.....	148
NTDB id 1309 DR RS02825 WP 034349477.1	AGAYSLDGTG..SKFAVTATSV.TNKT.....FCFDG...	118
NTDB id 1273 LPP RS03425 WP 010946364.1	LT.A.....TTYTLTA...TPVGTQAKDTE.CAS.....MSINQ...	128
NTDB id 1260 GC085 RS03355 WP 010946364.1	LT.A.....TTYTLTA...TPVGTQAKDTE.CAS.....MSINQ...	128
NTDB id 619 LCA RS06470 WP 011374999.1	HA.K.....EKGII..TIEGGTVKQK.....	99
NTDB id 1415 SGL RS07945 WP 010872381.1	TA.DNTEAI...QDATA LNWEADGTR..SMSGGTYYS...GT.....RAF.....	137
NTDB id 588 KW2 RS10845 WP 051303741.1	TAY.....DDY YDQNKNEQ.....RNF.....	114
NTDB id 111802 MY04 RS21175 WP 084006043.1	KQY.....ATAKK.....	36
NTDB id 460 GPW51 RS00790 WP 011921720.1	KAY.....KEVHDKNNGGAN.....RKV.....	106
NTDB id 272 KZH43 RS09255 WP 000738626.1	KAY.....KEVHDKNNGGAN.....RKV.....	106
NTDB id 231 SPD RS09885 WP 000738626.1	KAY.....KEVHDKNNGGAN.....RKV.....	106
NTDB id 197 SPR RS09420 WP 000738626.1	KAY.....KEVHDKNNGGAN.....RKV.....	106
NTDB id 162 SP RS10370 WP 000738627.1	KAY.....KEVHDKNNGGAN.....RKV.....	106
NTDB id 431 SGO RS09410 WP 012130940.1	DSY.....KAYYGKNNSET.....QAV.....	103
NTDB id 396 FSA28 RS09395 WP 002263437.1	NSY.....KDY YAKHPSKT.....RHV.....	102
NTDB id 387 SMU RS09025 WP 002263437.1	NSY.....KDY YAKHPSKT.....RHV.....	102
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NTDB id 1184 GTF74 RS02335 WP 000649326.1	EIAPKGCTAGATIN.....	153
NTDB id 1167 A1552VC RS11065 WP 000649326.1	EIAPKGCTAGATIN.....	153
NTDB id 1160 ABDM36 RS02330 WP 000649326.1	EIAPKGCTAGATIN.....	153
NTDB id 1292 VP RS12235 WP 005479693.1	AIAVDGCS.....	139
NTDB id 432 SGO RS09405 WP 012130939.1	KFRSAVVVLINSSGRVEVCRKNDTRAVCKH.....	142
NTDB id 1136 NGFG RS02420 WP 003687912.1	E.DLENVNFTSSSSNKACVILSKNENFKNLASKTY.LLIGGM....	220
NTDB id 1229 CJJ81176 RS06455 WP 002869328.1	VAPSGTMSLAAKYAPAECR.....	171
NTDB id 1424 RS RS02795 WP 011000517.1	TVADANNAIDTKHLPSTCRDESSAT.....	168
NTDB id 1109 OK783 RS10670 WP 157147416.1	ADAKDGKEIDTKHLPSTCRDKASDAK.....	164
NTDB id 1119 NGFG RS11465 WP 017147169.1	QTSYCP.....	166
NTDB id 1400 DSB67 RS12660 WP 010643261.1	AKMGEGTGATGACTFSTSTGTGTGTGTGTGTGTGTGTGSN.	154
NTDB id 1309 DR RS02825 WP 034349477.1	ANVKTAVDSSA.N.....AQPECWNPG...	158
NTDB id 1273 LPP RS03425 WP 010946364.1	ANVKTAVDSSA.N.....AQPECWNPG...	149
NTDB id 1260 GC085 RS03355 WP 010946364.1		149
NTDB id 619 LCA RS06470 WP 011374999.1		99
NTDB id 1415 SGL RS07945 WP 010872381.1	STVVCRAEAGSEDTPT.PG.GANDCGGAEVIK	168
NTDB id 588 KW2 RS10845 WP 051303741.1	DD.....	116
NTDB id 111802 MY04 RS21175 WP 084006043.1		36
NTDB id 460 GPW51 RS00790 WP 011921720.1	ND.....	93
NTDB id 272 KZH43 RS09255 WP 000738626.1	ND.....	108
NTDB id 231 SPD RS09885 WP 000738626.1	ND.....	108
NTDB id 197 SPR RS09420 WP 000738626.1	ND.....	108
NTDB id 162 SP RS10370 WP 000738627.1	AN.....	108
NTDB id 431 SGO RS09410 WP 012130940.1	AN.....	105
NTDB id 396 FSA28 RS09395 WP 002263437.1	AN.....	104
NTDB id 387 SMU RS09025 WP 002263437.1	AN.....	104
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved