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NTDB id 1383	A4U84	RS08530	WP 005711781.1MKKIRLIRPLAKAFTLIELMIVTAAIAILATIAIPSYTSYTKAAELSELLSASASYKSDVEICIIYVGDKKI	72
NTDB id 1365	NTHI	RS01955	WP 011271973.1	.....MKLTTQQTLLKGFLLIELMIVTAAIAILATIAIPSYQNYTKKAAVSELLQASAPYKADVELCVYSTNE..T	69
NTDB id 1354	HI	0299	AAC21963.1	.....MKLTTLQTLKGFLLIELMIVTAAIAILATIAIPSYQNYTKKAAVSELLQASAPYKADVELCVYSTNE..T	69
NTDB id 1309	DR	RS02825	WP 034349477.1	.....MKNTTQGFLLIELLIVTAAIIGILAAVLIPNLLGARAKANDSATQSYTRNCYTAVEVARGADGRLPA	66
NTDB id 1273	LPP	RS03425	WP 010946364.1	MLSHVHFMK...NSRMKQSAFTLVEVLISMVIMGILVSIAYPSYLQYIQQSRRADAHATLTQDQIILERCYSQNFSYAA	76
NTDB id 1260	GC085	RS03355	WP 010946364.1	MLSHVHFMK...NSRMKQSAFTLVEVLISMVIMGILVSIAYPSYLQYIQQSRRADAHATLTQDQIILERCYSQNFSYAA	76
NTDB id 1064	ABD1	RS15725	WP 001046490.1	.....MNKYIILRFNQGFTLIELMVVIVIVAFASIAIPSYQSYRRATASAAKSEILKLAEQLEQHKSRNFYRG	71
NTDB id 1184	GTF74	RS02335	WP 000649326.1	.....MKAYKNKQKQGFLLIELMIVVAVIGVLAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPA	70
NTDB id 1167	A1552VC	RS11065	WP 000649326.1	.....MKAYKNKQKQGFLLIELMIVVAVIGVLAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPA	70
NTDB id 1160	ABDM36	RS02330	WP 000649326.1	.....MKAYKNKQKQGFLLIELMIVVAVIGVLAIAIPQYQNYVKKSAIGVGLANITALKTNIEDYIATEGSFPA	70
NTDB id 1088	NMV	RS07470	WP 173277181.1	.....MEQKGFLLIELMIVVAILGIIISVIAIPSYQSYIEKGYQSQLYTEMVGINNISKQFILKNPLDDN	64
NTDB id 1140	NGFG	RS02440	WP 025455870.1	.....MEQKGFLLIELMIVVAILGIIISVIAIPSYQSYIEKGYQSQLYTEMVGINNVLKKFILKNPQDDN	64
NTDB id 1109	OK783	RS10670	WP 157147416.1	.....MNTLQKGFLLIELMIVTAAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGIWPK	66
NTDB id 1119	NGFG	RS11465	WP 017147169.1	.....MNTLQKGFLLIELMIVTAAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYYLNHGIWPK	66
NTDB id 1191	AAC28468.1	484..945( )		.....MLKKVQKGFLLIELMIVTAAIIGILAAIALPAYQDYTARAQATEGFKATAGLQTDLGAWRADRGSPFN	67
NTDB id 1038	HON27	RS01510	WP 000993725.1	.....MNAQKGFLLIELMIVVAAIIGILAAIAIPQYQNYIAKSNVNSGFSEISSIKTGYENAVNEGAVPTK	65
NTDB id 1415	SGL	RS07945	WP 010872381.1	MASNFKFKLLSLSKRAEGGFLLIELLVVVIIIGVLAIAIALPNLLGQVGAARESEAKSTIGALNRAQQGYFTEKGT FAT	80
NTDB id 1292	VP	RS12235	WP 005479693.1	.....MKHSKQKKQKGFLLIELMIVVAAIIGVLAIAAIPAYQNYVTRSEVTSGLATVKALITPAELHYQENGLAAA	70
NTDB id 1400	DSB67	RS12660	WP 010643261.1	.....MKTNKQKKQKGFLLIELMIVVAAIIGILAAIAIPAYQDYTKKATMAEFPKIASSTKLAVELCAHEHAADAG	70
NTDB id 1062	ABD1	RS15720	WP 000788345.1	.....MKNQGFLLIELMIVVAAIIGILAAIAIPAYQNYIAKSNVNSGFSEISSIKTGYENAVNEGAVPTK	63
NTDB id 1197	PSJM300	03940	AFN76866.1	.....MKAQMKGFTLIELMIVVAAIIGILAAIALPAYQDYTVRSNAAAALAEITPKIGIFEQAINEGKTPSL	67
NTDB id 1204	PSJM300	03935	AFN76865.1	.....MKPVKSSCRGFSLIELMIVVAAIIGILAAIALPAYQNYTVRSTAASALAEITPAKAAFEQAISEGHTPSL	69
NTDB id 1002	ACIAD	RS15100	WP 004923779.1	.....MNAQKGFLLIELMIVTAAIIGILAAIAIPAYTDYTVRARVSEGLTAASSMKTTVSENILNAGALVA	65
NTDB id 1188	NELON	RS01755	WP 003772458.1	.....MKAMQKGFLLIELMIVTAAIIGILAAIALPAYQDYTVRSKVSEALIAASSPKSALSEAFQTDG.ITG	65
NTDB id 1079	FDQ49	RS11140	WP 022575996.1	.....MNAQKGFLLIELMIVVAAIIGILAAIAIPAYQNYIAKSNVNSGFSEISSIKTGYENAVNEGAVPTK	65
NTDB id 1006	ACIAD	RS15005	WP 004923843.1	.....MQHHRQKGFLLIELMVVVVIAIFAAIAIPSYQEYIRRSNLAMAQQEMQKLAEQLEERYSRNFYSYKG	66
NTDB id 1192	PAKAF	RS23870	WP 024947914.1	.....MKAQKGFLLIELMIVVAAIIGILAAIAIPQYQNYVARSEGASALASVNPLKTTVEEA..LSRGWSV	63
NTDB id 1274	LPP	RS09530	WP 011214168.1	.....MRQKGFLLIELMIVVAAIIGILAAIAIPAYQDYTVRARVTEGLTLADS AKLAVSETAITNNALPA	64
NTDB id 1258	GC085	RS09745	WP 014844212.1	.....MRQKGFLLIELMIVVAAIIGILAAIAIPAYQDYTVRARVTEGLTLADS AKLAVSETAITNNALPA	64
NTDB id 1424	RS	RS02795	WP 011000517.1	.....MKSMRHLNKRVKQGFLLIELMIVVAVIGVLAIAIPAYQDYTVRARVTEGLSLAAQAK.....ALVSENAAN	67
NTDB id 116549	AU14	RS23940	WP 158498322.1	.....MGYPRKEGGFTLIELLIVVAAIIGVAAIAIPSYQEYAERTRRSMPRGC.....	48
NTDB id 1007	ACIAD	RS15000	WP 004923844.1MRVRRHGFTLIELMIVVAAIIGILAAIAYPSYQNYKIRVNRSDVQSELIRVSQQLQSYKMNHGYAN	65
consensus				***!***!*****!*** * ** ***** * * **	

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NTDB id 1383	A4U84	RS08530	WP 005711781.1	...NIDGYGYT	MT..P.KFANNNIT	WATS.CQGADISL	FPANFCGQKATP	154		
NTDB id 1365	NTHI	RS01955	WP 011271973.1	...TLANMEYII	LQ..ATGNAATGVT	WTTT.CKGTDASL	.....	FPANFCGSVTQ	.....	149	
NTDB id 1354	HI	0299	AAC21963.1	...TLANMEYII	LQ..AKGNAAAGVT	WTTT.CKGTDASL	.....	FPANFCGSVTK	.....	149	
NTDB id 1309	DR	RS02825	WP 034349477.1	TATSVTNKTF	CFD....GAKMCEGT	GATGAC	CTFSTSTGTGTGTGTGTGTGTG	.....	TGTGSN	.....	158
NTDB id 1273	LPP	RS03425	WP 010946364.1	.....	.....	KDTE..	CASMSINQANV..	KTAVDSSANAQPEC	WNPG	.....	149
NTDB id 1260	GCO85	RS03355	WP 010946364.1	.....	.....	KDTE..	CASMSINQANV..	KTAVDSSANAQPEC	WNPG	.....	149
NTDB id 1064	ABD1	RS15725	WP 001046490.1	....TDSRNFN	.....	FIAKNSGLR	..CQSLTAT	.....	AVDND	CGGTVTCNVCETNSENWQ	160
NTDB id 1184	GTF74	RS02335	WP 000649326.1	DAGVVSSSKI	QI.....ARDANGL	WT..CSTTVTSE	.....	IAPKG	CTAGATIN	.....	153
NTDB id 1167	A1552VC	RS11065	WP 000649326.1	DAGVVSSSKI	QI.....ARDANGL	WT..CSTTVTSE	.....	IAPKG	CTAGATIN	.....	153
NTDB id 1160	ABDM36	RS02330	WP 000649326.1	DAGVVSSSKI	QI.....ARDANGL	WT..CSTTVTSE	.....	IAPKG	CTAGATIN	.....	153
NTDB id 1088	NMV	RS07470	WP 173277181.1	.....	YTLSV...W..MNSV	GDGYK..CRDAASARA	.....	HLETSSDVG	CEAFSNRKK	.....	157
NTDB id 1140	NGFG	RS02440	WP 025455870.1	.....	YTLSV...W..MNSV	GDGYK..CRDATSAQV	.....	YLETLSANTG	CEAFSNRKK	.....	157
NTDB id 1109	OK783	RS10670	WP 157147416.1	..KEIQDKKLS	L...WAKRQDGS	VKWF..CGQPVTRT	GDND	..TVADANNAIDTKHLP	STCRDESSAT	.....	164
NTDB id 1119	NGFG	RS11465	WP 017147169.1	..NEIKGKKLS	L...WGRRENGS	VKWF..CGQPVTRADDDTV	..ADAKDGKEIDTKHLP	STCRDKASDAK	.....	166	
NTDB id 1191	AAC28468.1	484..945( )		.....	KTMTITPTVIAA	SQISTWT..CAPGAANG	.....	IETRRLPTS	CQ*	.....	153
NTDB id 1038	HON27	RS01510	WP 000993725.1	..PKIATKIVEL	.....	TRSTDGAWT	..CVSDVPTE	.....	FLPKG	CTAGTPTEGAITSL	149
NTDB id 1415	SGL	RS07945	WP 010872381.1	FYDSGTRAF	STVV	CRAEAGSE	DTPPTPGGAND	CGGAEVIK	168
NTDB id 1292	VP	RS12235	WP 005479693.1	.....	TF.....TRD	AATGWS..CLPTAPAI	AV	.....	DGCS	.....	139
NTDB id 1400	DSB67	RS12660	WP 010643261.1	..PIKQNEKYI	L...TATYASNG	VTSW..SECKDATN	.....	AVQTSY	CP	.....	154
NTDB id 1062	ABD1	RS15720	WP 000788345.1	.....	.....	NDQGQKFWA	..KGATDCALS	.....	ASSSWTE	.....	141
NTDB id 1197	PSJM300	03940	AFN76866.1	....FDGKTIT	L...NRTADGE	WS..CASTLDAK	.....	YKPGKCS	.....	139	
NTDB id 1204	PSJM300	03935	AFN76865.1	....FNGKTIT	L...ARTTDGL	WD..CTSDLDSR	.....	YKPGKCL	.....	141	
NTDB id 1002	ACIAD	RS15100	WP 004923779.1	DTTKAKGANIT	LT...PTYASC	AVTWK..CTTTSDKK	.....	YVPSECRG	.....	147	
NTDB id 1188	NELON	RS01755	WP 003772458.1	F.PLVNKAV	.....	PAATSTGAIDWA	..CASA	AKETADKRFGTGSGVAVGTLPAKY	APSECK	.....	188
NTDB id 1079	FDQ49	RS11140	WP 022575996.1	...KLTSTKIV	MN.....VSETG	ILT..KNSGTDTP	..VE	.....	LLPQSF	VAS	142
NTDB id 1006	ACIAD	RS15005	WP 004923843.1	S.ADNNNYSLL	IT..NTGFSC	KNKTWA..NISSSS	.....	CGTG...SES	W	.....	169
NTDB id 1192	PAKAF	RS23870	WP 024947914.1	..PKNKGKI	..IT...L	TRTADGLWK..CTSDQDEQ	.....	FIPKG	CSK	.....	150
NTDB id 1274	LPP	RS09530	WP 011214168.1	T.PTL	.....	QANGDVT	WT..CTGG	.....	TLLAKY	RPASCRP	136
NTDB id 1258	GCO85	RS09745	WP 014844212.1	T.PTL	.....	QANGDVT	WT..CTGG	.....	TLLAKY	RPASCRP	136
NTDB id 1424	RS	RS02795	WP 011000517.1	V.PTAAGTA	..LP..VSSAPS	GPIMWT..CYAQNKAQA	ASSV..APSGTMSLAAKY	APAE	CR	.....	168
NTDB id 116549	AU14	RS23940	WP 158498322.1	.....	.....	.....	.....	.....	.....	.....	48
NTDB id 1007	ACIAD	RS15000	WP 004923844.1	NQDCQKFW	S...KAATACSL	SSNST	WDGR	144	
consensus					*	*	*	*	*	*		

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 similar
 ≥ 50% conserved