

NTDB	id	1184	GTF74	RS02335	WP	000649326.1	...MKAYKNKQ	QKGF	TLIELM	IVVA	IGV	LAAAI	AI	PQ	YQ	NY	VVK	KS	A	IGV	GLAN	IT	AL	KT	NI	IEDY	I	ATE	GS	FP	AT	AG	TAA	77																																												
NTDB	id	1167	A1552VC	RS11065	WP	000649326.1	...MKAYKNKQ	QKGF	TLIELM	IVVA	IGV	LAAAI	AI	PQ	YQ	NY	VVK	KS	A	IGV	GLAN	IT	AL	KT	NI	IEDY	I	ATE	GS	FP	AT	AG	TAA	77																																												
NTDB	id	1160	ABDM36	RS02330	WP	000649326.1	...MKAYKNKQ	QKGF	TLIELM	IVVA	IGV	LAAAI	AI	PQ	YQ	NY	VVK	KS	A	IGV	GLAN	IT	AL	KT	NI	IEDY	I	ATE	GS	FP	AT	AG	TAA	77																																												
NTDB	id	1038	HON27	RS01510	WP	000993725.1	MNA	QKGF	TLIELM	IVVA	IIG	LAAAI	AI	PQ	YQ	NY	YIA	KS	Q	VNS	GF	SE	ISSI	K	T	GYE	N	AV	N	E	G	AV	PT	KL	SD	V..	69																																									
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	MKA	QKGF	TLIELM	IVVA	IIG	LAAAI	AI	PQ	YQ	NY	V	AR	S	E	G	A	L	A	S	V	N	P	L	K	T	T	V	E	E	A	L	S	R	.	71																																					
NTDB	id	1197	PSJM300	03940	AFN	76866.1	MKAQM	QKGF	TLIELM	IVVA	IIG	LAAAI	AI	P	A	Y	Q	D	Y	T	V	R	S	N	A	A	A	A	L	E	I	T	P	G	K	I	G	F	E	Q	A	I	N	E	.	72																																
NTDB	id	1204	PSJM300	03935	AFN	76865.1	MKPVKSS	CR	GF	S	L	I	E	L	M	I	V	V	A	I	I	G	L	A	A	I	A	L	P	A	Y	Q	N	Y	T	V	R	S	T	A	A	S	A	L	A	E	I	T	P	A	K	A	A	F	E	Q	A	I	S	E	.	G	H	T	P	S	L	V	S	S	L	P	.	74				
NTDB	id	1383	A4U84	RS08530	WP	005711781.1	MK.KIRLIRPLAK	A	F	T	L	I	E	L	M	I	V	I	A	I	A	I	L	A	T	I	A	I	P	S	Y	T	S	Y	T	Q	K	A	A	L	S	E	L	L	S	A	S	A	S	Y	K	S	D	V	E	I	C	I	Y	N	V	G	D	K	K	I	S	E	C	S	...	76						
NTDB	id	1365	NTHI	RS01955	WP	011271973.1	.M.KLT	T	Q	T	L	K	Q	G	F	T	L	I	E	L	M	I	V	I	A	I	A	I	L	A	T	I	A	I	P	S	Y	Q	N	Y	T	K	K	A	V	S	E	L	L	Q	A	S	A	P	Y	K	A	D	V	E	L	C	V	E	S	T	N	E	..	T	T	N	C	T	...	73		
NTDB	id	1354	HI	0299	AAC21963.1	.M.KLT	T	Q	T	L	Q	T	L	K	Q	G	F	T	L	I	E	L	M	I	V	I	A	I	A	I	L	A	T	I	A	I	P	S	Y	Q	N	Y	T	K	K	A	V	S	E	L	L	Q	A	S	A	P	Y	K	A	D	V	E	L	C	V	E	S	T	N	E	..	T	I	S	C	T	...	73
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	MNTL	QKGF	TLIELM	IV	I	A	V	G	I	L	A	A	V	A	L	P	A	Y	Q	D	Y	T	A	R	A	Q	V	S	E	A	I	L	L	A	E	G	Q	K	S	A	V	T	E	Y	Y	L	N	H	G	K	W	P	E	N	N	T	S	...	70													
NTDB	id	1109	OK783	RS10670	WP	157147416.1	MNTL	QKGF	TLIELM	IV	I	A	V	G	I	L	A	A	V	A	L	P	A	Y	Q	D	Y	T	A	R	A	Q	V	S	E	A	I	L	L	A	E	G	Q	K	S	A	V	T	E	Y	Y	L	N	H	G	I	W	P	K	D	N	T	S	...	70													
NTDB	id	1191	AAC28468.1	484..945(																																																																										

NTDB	id	1184	GTF74	RS02335	WP	000649326.1	GF....TRLCTVE.....DMGDGKIVIIAPTASGALGGTIKYTFDAGVVSSSKIQLARD..	126
NTDB	id	1167	A1552VC	RS11065	WP	000649326.1	GF....TRLCTVE.....DMGDGKIVIIAPTASGALGGTIKYTFDAGVVSSSKIQLARD..	126
NTDB	id	1160	ABDM36	RS02330	WP	000649326.1	GF....TRLCTVE.....DMGDGKIVIIAPTASGALGGTIKYTFDAGVVSSSKIQLARD..	126
NTDB	id	1038	HON27	RS01510	WP	000993725.1	GFTAATSVCATYSIDA..FTETDCAGKIT.CTLKG.....NPKIATKIVELTRS..	116
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	ATK.....KEVPLGVAAADANKLGTIALKP...DPADGTADITLTFTMGG.....AGPKNKGKIITLTRT..	127
NTDB	id	1197	PSJM300	03940	AFN	76866.1	GYIGITDSTS.YCDVDLD....TAADGH..IE.CTAKGG.....NAGKFDGKITILNR..	118
NTDB	id	1204	PSJM300	03935	AFN	76865.1	GFIGIGASTN.YCTVTLI....ATATGS..IT.CTTQNG.....MPDRFNGKITITART..	120
NTDB	id	1383	A4U84	RS08530	WP	005711781.1	SGKNGVR...ADKSDVPDAKYLKISIS...VASGVITVAGKGN...IDGYGYTMP..	122
NTDB	id	1365	NTHI	RS01955	WP	011271973.1	GGKNGIA...ADITT..AKGYVKSVT...TSNCAITVKGDT.....LANMEYILQAT..	118
NTDB	id	1354	HI	0299	AAC21963.1		GGKNGIA...ADIKT..AKGYVASVI...TQSGEITVKGNGT.....LANMEYILQAK..	118
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	AGVASPPIDIKGKYVKEVE....VNKNGVVATMLSS...G.....VNNEIKGKKLSLWG..	117
NTDB	id	1109	OK783	RS10670	WP	157147416.1	AGVASA.STIKGKYVQKVE....VAKGVVTAQMAST...G.....VNKEIQDKKLSLWA..	116
NTDB	id	1191	AAC28468.1	484..945()			NVIFDSANGLDGKYF.....APGGVTV.TPDTGAINIAFDAG.....ANAGKTMTITPTVI	124
NTDB	id	1188	NELON	RS01755	WP	003772458.1	NKTAAGGGGAGGAAGAQTQH.....ASKYVKSV.VKTEASPWDITVAISATEANG.....IPTGLDNTRFLPLVN	139
NTDB	id	1424	RS	RS02795	WP	011000517.1	VGSSVF.....T.PTKNVANLTIAGTGTVPQGKITVYT.T.....AAGGGLALVPTAA	120
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	S....TAGSSSCVGVQEISASNATTNVAT..ATCGASSAGQIIVTMDT.....KAKGANITLTPT..	122
NTDB	id	184226	A9E84	RS09350	WP	016356941.1	A...TG...YV.....SPAATPNVQS.IAIG..ANGVITITY.TA.....SAGGGTIVMTPTL.	110
NTDB	id	1258	GC085	RS09745	WP	014844212.1	A...TG...YV.....SPAATPNVQS.IAIG..ANGVITITY.TA.....AAGGGTIIMTPTL.	110
NTDB	id	1274	LPP	RS09530	WP	011214168.1	A...TG...YV.....SPAATPNVAS..IAIG..ANGVITITY.TA.....AAGGTVIMTPTL.	110
consensus							* * * * * * ** *	

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NTDB id 1184	GTF74	RS02335	WP 000649326.1		ANGLWTCSTT.....	VTSEIAPKGCTAGATIN.....	153
NTDB id 1167	A1552VC	RS11065	WP 000649326.1	.....	ANGLWTCSTT.....	VTSEIAPKGCTAGATIN.....	153
NTDB id 1160	ABDM36	RS02330	WP 000649326.1	.....	ANGLWTCSTT.....	VTSEIAPKGCTAGATIN.....	153
NTDB id 1038	HON27	RS01510	WP 000993725.1	.....	TDGAWTCVSD.....	VPTEFLPKGCTAGTPTEGAITSL	149
NTDB id 1192	PAKAF	RS23870	WP 024947914.1	.....	AADGLWKCTSD.....	QDEQFIPKGC	150
NTDB id 1197	PSJM300	03940	AFN76866.1	.....	ADGEWSCAST.....	LDAKYKPGKCS	139
NTDB id 1204	PSJM300	03935	AFN76865.1	.....	TDGLWDCTSD.....	LDSRYKPGKCL	141
NTDB id 1383	A4U84	RS08530	WP 005711781.1	.....	KFANNNTTWTSCQGA...DISL.....	FPANFCGQKATP.....	154
NTDB id 1365	NTHI	RS01955	WP 011271973.1	.....	GNAATGVTWTTTCKGT...DASL.....	FPANFCGSVTQ.....	149
NTDB id 1354	HI 0299	AAC21963.1		.....	GNAAGVTWTTTCKGT...DASL.....	FPANFCGSVTK.....	149
NTDB id 1119	NGFG	RS11465	WP 017147169.1	.....	RRENGSVKWF	CGQPVTRADDDTVADA..KDGKEIDTKHLPSTCRDKASDAK.....	166
NTDB id 1109	OK783	RS10670	WP 157147416.1	.....	KRQDGSVKWF	CGQPVTRTGDNDDTVA..DANNAIDTKHLPSTCRDESSAT.....	164
NTDB id 1191	AAC28468.1	484..945()		A.....	ASGQISTWTCAPGAANG.....	IETRRRLPTSCQ*	153
NTDB id 1188	NELON	RS01755	WP 003772458.1	K.AVP.AATSTG	IDWACASAAKETADKRFGTGSGVAVGTLPAKYAPSECK.....		188
NTDB id 1424	RS	RS02795	WP 011000517.1	GTALPVSSAPSGP	IMWTCYAQNKAQAASSVAPS...GTMSLA	AKYAPAE	168
NTDB id 1002	ACIAD	RS15100	WP 004923779.1	.....	YASGAVTWKCTTT.....	S.DKKYVPSECRG.....	147
NTDB id 184226	A9E84	RS09350	WP 016356941.1	.....	QANGDVTWCTGG.....	TLLAKYRPASCRP.....	136
NTDB id 1258	GCO85	RS09745	WP 014844212.1	.....	QANGDVTWCTGG.....	TLLAKYRPASCRP.....	136
NTDB id 1274	LPP	RS09530	WP 011214168.1	.....	QANGDVTWCTGG.....	TLLAKYRPASCRP.....	136
consensus					* * ! * * *	* * * *	

- ⓧ non conserved
- ✖ similar
- ⓧ ≥50% conserved