

NTDB	id	1184	GTF74	RS02335	WP	000649326.1	...MKAYKNKQ	QKGFTLIELMIVVA	VIGVLA	AIAIPQYQNYVKKS	AI	GVGLANITALKTNIEDYIATEGSFPATTAGTAA	77	
NTDB	id	1167	A1552VC	RS11065	WP	000649326.1	...MKAYKNKQ	QKGFTLIELMIVVA	VIGVLA	AIAIPQYQNYVKKS	AI	GVGLANITALKTNIEDYIATEGSFPATTAGTAA	77	
NTDB	id	1160	ABDM36	RS02330	WP	000649326.1	...MKAYKNKQ	QKGFTLIELMIVVA	VIGVLA	AIAIPQYQNYVKKS	AI	GVGLANITALKTNIEDYIATEGSFPATTAGTAA	77	
NTDB	id	1038	HON27	RS01510	WP	000993725.1	MNA	QKGFTLIELMIVVA	IIGILAA	AIAIPQYQNYIAKS	QVNSGFSEISSIK	TGYENAVNE.GAVPTKLSDV..	69	
NTDB	id	1192	PAKAF	RS23870	WP	02947914.1	MKA	QKGFTLIELMIVVA	IIGILAA	AIAIPQYQNYVAR	SEGASALASVNPLK	TTVEEALS.R.GWSVKSGTGTED	71	
NTDB	id	1197	PSJM300	03940	AFN	76866.1	MKAQM	QKGFTLIELMIVVA	IIGILAA	AIALPAYQDYT	VRSNAAAALAEITPG	KIGFEQAINE.GKTPSLTSTDE.	72	
NTDB	id	1204	PSJM300	03935	AFN	76865.1	MKPVKSSC	RGFS	LIELMIVVA	IIGILAA	AIALPAYQNYTVRSTA	ASAALAEITPAKAAFEQAISE.GHTPSLVSSLP.	74	
NTDB	id	1383	A4U84	RS08530	WP	005711781.1	MK.KIRLIRPLAKA	FTLIELMIV	TAIIAILAT	IAIPSYSYTSYTK	KAALSELLSASASYKSD	VEICINYNVGDKKIS	ECS...	76
NTDB	id	1365	NTHI	RS01955	WP	011271973.1	.M.KLTQTTLK	QKGFTLIELMIV	TAIIAILAT	IAIPSYQNYTK	KAASVELLQASAPYKAD	VELCVYSTNE..TTINCT...	73	
NTDB	id	1354	HI	0299	AAC21963.1		.M.KLTTLQLTK	QKGFTLIELMIV	TAIIAILAT	IAIPSYQNYTK	KAASVELLQASAPYKAD	VELCVYSTNE..TISCT...	73	
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	MN	TLQKGFTLIELMIV	TAIVGILA	AAVALPAYQDY	TARAQVSEAILLAEGQKSA	VTTEYYLNHGKWPN	NNTS...	70
NTDB	id	1109	OK783	RS10670	WP	157147416.1	MN	TLQKGFTLIELMIV	TAIVGILA	AAVALPAYQDY	TARAQVSEAILLAEGQKSA	VTTEYYLNHGIWPK	DNTS...	70
NTDB	id	1191	AAC28468.1	484..945()			MLKKV	QKGFTLIELMIV	TAIIGILAA	AIALPAYQDY	TARAQATEGFKATAGLQTD	LGAWRADRGSFNP	AAALVAG	74
NTDB	id	1188	NELON	RS01755	WP	003772458.1	MKAM	QKGFTLIELMIV	TAIIGILAA	AIALPAYQDY	TVRSKVSEALIAASSPKS	SALSEAFQTDGITGM	TAAAKAF	73
NTDB	id	1424	RS	RS02795	WP	011000517.1	MKSMRHLNKR	VQKGFTLIELMIV	VAIVGILA	AIAIPAYQDY	TVRARVTEGLSLAAQAKAL	VSENAANAQS	DL.....	73
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	MNA	QKGFTLIELMIV	TAIIGILAA	AIAIPAYTDYT	TVRARVSEGLTAASSMK	TTVSENILNAGAL	VAGTP....	68
NTDB	id	184730	A9E96	RS09355	WP	016356941.1	MR	QKGFTLIELMIV	TAIIGILAA	AIAIPAYQDY	TIRARVTEGLTLADS	AKLAVSETAITNNAL	PPIQA....	67
NTDB	id	1258	GC085	RS09745	WP	014844212.1	MR	QKGFTLIELMIV	TAIIGILAA	AIAIPAYQDY	TIRARVTEGLTLADS	AKLAVSETAITNNAL	PPIQA....	67
NTDB	id	1274	LPP	RS09530	WP	011214168.1	MR	QKGFTLIELMIV	TAIIGILAA	AIAIPAYQDY	TIRARVTEGLTLADS	AKLAVSETAITNNAL	PPIQA....	67
consensus								***|*|||!|!|!	|*|*****|**|*|*|*|*	*|*|*|*|*	*	*|*|*|*	*	*

NTDB	id	1184	GTF74	RS02335	WP	000649326.1	.....	CF....	TRLG	TV.....	DMGDGK	IV	IAPTAS	SGALGG	TIKYTF	DAGV	VSSSK	IQLAR	..	126				
NTDB	id	1167	A1552VC	RS11065	WP	000649326.1	.....	CF....	TRLG	TV.....	DMGDGK	IV	IAPTAS	SGALGG	TIKYTF	DAGV	VSSSK	IQLAR	..	126				
NTDB	id	1160	ABDM36	RS02330	WP	000649326.1	.....	CF....	TRLG	TV.....	DMGDGK	IV	IAPTAS	SGALGG	TIKYTF	DAGV	VSSSK	IQLAR	..	126				
NTDB	id	1038	HON27	RS01510	WP	000993725.1	.....	GFTAATS	SVCATYSIDA	..	FTETD	CAGK	IT..	CTLKG	.....	NPK	IATKI	VELTRS	..	116				
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	ATK.....	KEVPL	GVAADANK	LGTIAL	KP...DPADG	TADITL	TFTMG	.....	AGPKNK	GKIITL	TRT	..	127					
NTDB	id	1197	PSJM300	03940	AFN	76866.1	.....	GYIG	ITDSTS	..	YCDVD	L...TAAD	GH..	IE..	CTAKGG	.....	NAGKFD	GKTI	TLNRT	..	118			
NTDB	id	1204	PSJM300	03935	AFN	76865.1	.....	GFIG	IGASTN	..	YCTVT	LI...ATAT	GS..	IT..	CTTQNG	.....	MPDRFN	GKTI	ITART	..	120			
NTDB	id	1383	A4U84	RS08530	WP	005711781.1	.....	SGKNGVR	....	ADKSD	VPAKY	LKSIS	....	VASGV	ITVAG	KN	....	IDGYGT	MTP	..	122			
NTDB	id	1365	NTHI	RS01955	WP	011271973.1	.....	GGKNGIA	....	ADIT	..	AKGYV	KSVT	....	TSNGA	ITVKG	DT	.....	LANMEYL	LQAT	..	118		
NTDB	id	1354	HI	0299	AAC21963.1	.....	GGKNGIA	....	ADIKT	..	AKGYV	ASVI	....	TQSGG	ITVKG	NGT	.....	LANMEYL	LQAK	..	118			
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	.....	AGVASP	PTDIK	GKYV	KEVE	....	VKNGV	VTTAT	MLSS	....	G.....	VNNEIK	GKKLS	SLWG	..	117		
NTDB	id	1109	OK783	RS10670	WP	157147416.1	.....	AGVASA	..	STIKG	KYVQ	KVE	....	VAKGV	VTTAQ	MAST	....	G.....	VNKEI	QDKKLS	SLWA	..	116	
NTDB	id	1191	AAC28468.1	484..945()			NVIFDS	ANGLD	GKYF	.....	APGGV	TVT	..	TPDGT	AINIA	FADAG	.....	ANAGKT	MTITP	TVI	..	124		
NTDB	id	1188	NELON	RS01755	WP	003772458.1	NKTA	AAGGG	AGAAAA	CTQH		ASKYV	KSV		KVTEAS	PDITV	VAISATE	ANG		IPTGL	DGNTRI	FLPLVN	..	139
NTDB	id	1424	RS	RS02795	WP	011000517.1	.....	VGSSVF	.....	T..	PTKNV	ANLTI	AGTG	TVPG	QITV	TYT	T.....	AAGG	GT	LALVP	TAA	..	120	
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	S....	TAGSS	CVQ	EISAS	NATTNV	AT	..	ATCG	ASSAG	QIIV	TMDT	.....	KAKGAN	ITLT	PT	..	122	
NTDB	id	184730	A9E96	RS09355	WP	016356941.1	A....	TG...YV	.....	SPAAT	PNVQS	..	IAIG	..	ANGV	ITITY	TA	.....	SAGG	GTIV	MTPTL	..	110	
NTDB	id	1258	GC085	RS09745	WP	014844212.1	A....	TG...YV	.....	SPAAT	PNVQS	..	IAIG	..	ANGV	ITITY	TA	.....	AAGG	GTII	MTPTL	..	110	
NTDB	id	1274	LPP	RS09530	WP	011214168.1	A....	TG...YV		SPAAT	PNVAS	..	IAIG	..	ANGV	ITITY	TA		AAGG	GTIV	MTPTL	..	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.....QDEQFIPKGCSSK.....	150
NTDB id 1197	PSJM300	03940	AFN76866.1	ADGEWSCAST.....LDAKYKPGKCS.....	139
NTDB id 1204	PSJM300	03935	AFN76865.1	TDGLWDCISD.....LDSRYKPGKCL.....	141
NTDB id 1383	A4U84	RS08530	WP 005711781.1	KFANNNTTWTATSCQGA...DISL.....FPANFCGQKATP.....	154
NTDB id 1365	NTHI	RS01955	WP 011271973.1	GNAATGVTWTTTICKGT...DASL.....FPANFCGSVTQ.....	149
NTDB id 1354	HI 0299	AAC21963.1		GNAAAGVTWTTTICKGT...DASL.....FPANFCGSVTK.....	149
NTDB id 1119	NGFG	RS11465	WP 017147169.1	RRENGSVKWFVCGQPVTRADDDTVADA..KDGKEIDTKHLPSTCRDKASDAK.....	166
NTDB id 1109	OK783	RS10670	WP 157147416.1	KRQDGSVKWFVCGQPVTRTGDNDDTVA..DANNAIDTKHLPSTCRDESSAT.....	164
NTDB id 1191	AAC28468.1	484..945()		A.....ASGQISTWTCAPGAANG.....IETRRRLPTSCQ*.....	153
NTDB id 1188	NELON	RS01755	WP 003772458.1	K.AVP.AATSTGATDWACASAAKETADKRFGTGSGVAVGTLPAKYAPSECK.....	188
NTDB id 1424	RS	RS02795	WP 011000517.1	GTALPVSSAPSGPIMWTCYAQNKAQAASSVAPS...GTMSLAAKYAPAEACR.....	168
NTDB id 1002	ACIAD	RS15100	WP 004923779.1	YASGAVTWKCTTT.....S.DKKYVPSECRG.....	147
NTDB id 184730	A9E96	RS09355	WP 016356941.1	QANGDVTWCTTGG.....TLLAKYRPASCRP.....	136
NTDB id 1258	GCO85	RS09745	WP 014844212.1	QANGDVTWCTTGG.....TLLAKYRPASCRP.....	136
NTDB id 1274	LPP	RS09530	WP 011214168.1	QANGDVTWCTTGG.....TLLAKYRPASCRP.....	136
consensus				* * ! * * ** * * *	

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