

NTDB	id	1192	PAKAF RS23870 WP 024947914.1	MKAQ	KQGFTLIELMIVVAIIIGILAAIAIPQYQNYVARSEGA	SALASVNPLKTTVEEALS	R.GWSVKSGTGTED	71
NTDB	id	1197	PSJM300 03940 AFN76866.1	MKAQ	MKGFTLIELMIVVAIIIGILAAIALPAYQDYTVRSNA	AALAEITPGKIGFEQA	INE.GKTPSLTSTDE.	72
NTDB	id	1204	PSJM300 03935 AFN76865.1	MKPVKSSC	RGFSLIELMIVVAIIIGILAAIALPAYQNYTVRSTA	ASAALAEITPAKAAFEQA	I.SE.GHTPSLVSSLP.	74
NTDB	id	1365	NTHI RS01955 WP 011271973.1	..MKLTQTQTT	LKKGFTLIELMIVTAIIAILATIAIPSYQNYYTKKA	AVSELLQASAPYKADVELC	VYSTNETNN.....	71
NTDB	id	1354	HI 0299 AAC21963.1	..MKLTTLTQT	LKKGFTLIELMIVTAIIAILATIAIPSYQNYYTKKA	AVSELLQASAPYKADVELC	VYSTNETTS.....	71
NTDB	id	405587	GNH96 RS09165 WP 169603396.1	MKAQ	VQRGFTLIELMIVVAIIIGILAAVALPAYQDYSVRAKV	SELILAASKYRTDITE	EKCQLATSCDAAGTSLT.	72
NTDB	id	1191	AAC28468.1 484..945()	MLKKV	VQKGFTLIELMIVTAIIIGILAAIALPAYQDYTTARAQ	ATEGFKATAGLQTDLGAWRADRG	SFPNAAALVA.	73
NTDB	id	1424	RS RS02795 WP 011000517.1	MKSMRHLNKR	VQKGFTLIELMIVVAIVGILAAIAIPAYQDYTVRARV	TETGLSLAAQAKALVSEN	AANAQSDLSV.....	74
NTDB	id	1002	ACIAD RS15100 WP 004923779.1	MNA	QKGFTLIELMIVTAIIIGILAAIAIPAYTYDTVRRARV	SEGTLAASSMKTTVSEN	ILNAGALVAGTGPSTAG	72
NTDB	id	1274	LPP RS09530 WP 011214168.1	MR	QKGFTLIELMIVVAIIIGILAAIAIPAYQDYTVRARV	TETGLTLADSACKLA	VSETAITNNALPATQAATGY	71
NTDB	id	1258	GCO85 RS09745 WP 014844212.1	MR	QKGFTLIELMIVVAIIIGILAAIAIPAYQDYTVRARV	TETGLTLADSACKLA	VSETAITNNALPATQAATGY	71
consensus					* * * ! ! * ! ! ! ! ! ! ! ! * ! ! * * ! ! ! * * ! ! * * ! ! * * * ! ! * * * * *	*	* * * *	

NTDB id 1192	PAKAF RS23870 WP 024947914.1	ATKKEVP	LGVAA...	DANK	LGTIA..	LKPD	ADG	TT	IT	FTMGGAGPKNK	G..	KI	IT	TR.....	TA	ADGL	132					
NTDB id 1197	PSJM300 03940 AFN76866.1	.....	GY	IGITD...	STS	YCDVD..	LD	TAAD	GH..	IE	CTAKGGNAGKFDG	G..	KT	IT	LN.....	T	ADGE	122				
NTDB id 1204	PSJM300 03935 AFN76865.1	.....	GF	IGIGA...	STN	YCTVT..	LI	ATAT	GS..	IT	CTTQNGMPDRFNG	G..	KT	IT	TA.....	T	TDGL	124				
NTDB id 1365	NTHI RS01955 WP 011271973.1	..CT	GGKNGIAADIT	TAKGYV	.....	KSV	TT	SN	GA..	IT	VKGDG...	TL	AN	ME.....	YIL	QA.....	TGNAATG	VT	126			
NTDB id 1354	HI 0299 AAC21963.1	..CT	GGKNGIAADIK	TAKGYV	.....	ASV	IT	QS	GG..	IT	VKNG...	TL	AN	ME.....	YIL	QA.....	KGNAAG	AGVT	126			
NTDB id 405587	GNH96 RS09165 WP 169603396.1	..VTF	GGK	IT.....	GG	SVAD	GN	V..	VT	IAGST...	AT	DS	V	G	AN	V	TIV	LT	PS	121		
NTDB id 1191	AAC28468.1 484..945( )	....	GN	V	IF	DSANGLD	GKYF	APGG	V	T	V	P	D	T	G	A..	IN	I	A	F	132	
NTDB id 1424	RS RS02795 WP 011000517.1	....	GSS	V	F....	T	P	T	KN..	V	AN	L	T	I	A	G	T	G	T	V	135	
NTDB id 1002	ACIAD RS15100 WP 004923779.1	SSCV	GV	Q	E	I	S	A	S	N	T	T	N..	V	A	T	A..	T	C	G	A	129
NTDB id 1274	LPP RS09530 WP 011214168.1	V.....	SPAA	T	PN..	V	A	S	I..	A	I	G	A..	N	G	V..	I	T	I	T	117	
NTDB id 1258	GC085 RS09745 WP 014844212.1	V.....	SPAA	T	PN..	V	Q	S	I..	A	I	G	A..	N	G	V..	I	T	I	T	117	
consensus			*	*		*	*	*		!	*	*	*		*	*		*	*	*		

NTDB id 1192	PAKAF RS23870 WP 024947914.1	WKCTSD.....QDEQFIPKGC	SK....	150
NTDB id 1197	PSJM300 03940 AFN76866.1	WSCAST.....LDAKYKPGKCS	....	139
NTDB id 1204	PSJM300 03935 AFN76865.1	WDCTSD.....LDSRYKPGKCL	....	141
NTDB id 1365	NTHI RS01955 WP 011271973.1	WTTTCKGT.....DASLFPANFCGSVTQ		149
NTDB id 1354	HI 0299 AAC21963.1	WTTTCKGT.....DASLFPANFCGSVTK		149
NTDB id 405587	GNH96 RS09165 WP 169603396.1	WSTGT.....PARYVPGSCR	....	137
NTDB id 1191	AAC28468.1 484..945()	WTCAPGAAN.....GIETRRRLPTSCQ*	....	153
NTDB id 1424	RS RS02795 WP 011000517.1	WTCYAQNKAQAASSVAPSGTMSLA	AKYAPAE	CRP.... 168
NTDB id 1002	ACIAD RS15100 WP 004923779.1	WKCTTT.....S.DKKYVP	PSECR	 147
NTDB id 1274	LPP RS09530 WP 011214168.1	WTCTGG.....TLLAKYRP	PASCR	 136
NTDB id 1258	GC085 RS09745 WP 014844212.1	WTCTGG.....TLLAKYRP	PASCR	 136
consensus		!***	*****!*	*

- non conserved
- similar
- $\geq 50\%$ conserved