

NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	MKAQKGFTLIELMIVVAIIGILAAAIAPQQYNYVARSEGASALASVNPLKITVEEALS.RGWSVKSGTGTE.	70
NTDB	id	1197	PSJM300	03940	AFN	76866.1	MKAQMKGFTLIELMIVVAIIGILAAAIAPAYQDYTVRSNAAAAALAEITPGKICFERAIN.EGKTPLSTSTD..	71
NTDB	id	1191	AAC28468.1	484..945()			MLKKVMKGFTLIELMIVIAIIGILAAAIAPAYQDYTARAQTGEFKATAGLQIDLGAWRADRGSFNPAAALVAG	74
NTDB	id	154149	DE8555	RS01170	WP	002220239.1	MKAIQKGFTLIELMIVIAIVGILAAVALPAYQDYTARQMSEALTLAGEQKSAVTEYYSDNGTFPNSN.....	68
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	MNLTQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAVVSEAILLAEGQKSAVTEYYLNHGKWPENN.....	68
NTDB	id	1109	OK783	RS10670	WP	157147416.1	MNLTQKGFTLIELMIVIAIVGILAAVALPAYQDYTARAVVSEAILLAEGQKSAVTEYYLNHGIWPKDN.....	68
NTDB	id	1400	DSB67	RS12660	WP	010643261.1	...MKTNKQKKQKGFTLIELMIVVAIIGILAAAIAPAYQDYTKKATMAEFPKIASSTKLAVELCAHEHADAG....AF	72
NTDB	id	1188	NELON	RS01755	WP	0036772458.1	MKAMQKGFTLIELMIVIAIIGILAAAIAPAYQDYTVRSKVSEALIAASSPKSALSEAFQTDGITGMTAAAKAF	73
NTDB	id	1424	RS	RS02795	WP	011000517.1	MKSMRHLNKRVQKGFTLIELMIVVAIVGILAAAIAPAYQDYTVRARVTEGLSLAQAQKALVSENANAQAQSDLSV.....	74
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	MNAQKGFTLIELMIVIAIIGILAAAIAPAYTDYTVRARVSEGLTAASSMKTTVSENILNACALVAGTPSTAG	72
NTDB	id	1274	LPP	RS09530	WP	011214168.1	MRQKGFTLIELMIVVAIIGILAAAIAPAYQDYTIIRARVTEGLTLADSACLAVSETAITNNALPATQAATGY	71
NTDB	id	1258	GCO85	RS09745	WP	014844212.1	MRQKGFTLIELMIVVAIIGILAAAIAPAYQDYTIIRARVTEGLTLADSACLAVSETAITNNALPATQAATGY	71
consensus							* * * * *	71

NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	..DATKK	EVL	G	V	A	A	D	A	N	K	L	G	T	I	A	L	K	P		D	P	A	D	G	T	A	D	I	T	L	T	F	T	M	G	...	G	A	G	P	K	N	K	G	K	I	T	T	L	T	R		T	127																			
NTDB	id	1197	PSJM300	03940	AFN	76866.1		E	G	Y	I	G	I	T	D	S	.	T	S	Y	C	D	V	D		T	A	A	D	C	H	T		E	C	T	A	K	G	...	G	N	A	G	K	F	D	G	K	T	I	T	N	R		117																							
NTDB	id	1191	AAC28468.1	484..945()			N	V	I	F	D	S			A	N	G	L	D	G	K	Y	F	A	P	G	G	V	T	P	D	T	C	A	I		N	I	A	F	D	A	G		A	N	A	G	K	T	M	T	I	P	T	V	I	A		A	S	127																	
NTDB	id	154149	DE8555	RS01170	WP	002220239.1		T	S	A	G	I	A	A	S	.	N	E	I	K	G	K	Y	V	A	S	V	K	V	E	G	N	A	.	S	V	A	S	I		T	A	T	M	N	S	...	N	V	N	K	D	I	K	G	K	T	I	V		L	V	G	K	Q	N	123												
NTDB	id	1119	NGFG	RS11465	WP	017147169.1		T	S	A	G	V	A	S	P	P	T	D	I	K	G	K	Y	V	K	E	V	K	N	G		V	V		T	A	T	M	L	S	...	G	V	N	N	E	I	K	G	K	L	S		L	W	G	R	R	E	120																			
NTDB	id	1109	OK783	RS10670	WP	157147416.1		T	S	A	G	V	A	S	A	.	S	T	I	K	G	K	Y	V	Q	K	V	E	V	A	K		V	V		T	A	Q	M	A	S	T	...	G	V	N	K	E	I	Q	D	K	L	S		L	W	A	K	R	Q	119																	
NTDB	id	1400	DSB67	RS12660	WP	010643261.1	K	T	K	C		H	Q	T	A	N	G	.	P	A	A		F	T	L	N	N		T	V	T		P	A	A	G	A	A	S	.	C	A	I		S	I	T	V	N	A	A	N	D	K	G		P	I	K		N	E	K	Y	I	L	T	A	T	Y	A	131							
NTDB	id	1188	NELON	RS01755	WP	003772458.1	N	K	T	A	A	A	G	G	G	A	G	A	A	G	T	Q	H	A	S	K	Y	K	S	V		K	V	T	E	A	S	P	W	D	I		T	V	A	I	S	E	A	N	G	I	P	T	G	L	D	G	N	T	I	R		F	P	L	V	N	K		A	V	P		A	A	T	S	147
NTDB	id	1424	RS	RS02795	WP	011000517.1		G	S	S	V	F		T	P	T	K	N	V	A	N	T	I	A	G	T	G	T	V	P	G	Q	I		T	V	T	Y	T		T		A	A	G	G	T		A	L	V	P	T	A	A	G	T	A	L	P	V	S	S	A	P	130													
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	S		S	C	V	G		Q	E	I	S	A	S	N	A	T	T	N	V	A	T		T	C	G	A	S	S	A	G	Q	I		I	V	T	M	D	T		K	A	K	G	A	N	I	T	L	P	T		Y	A	124																		
NTDB	id	1274	LPP	RS09530	WP	011214168.1	V					S	P	A	A	T	P	N	V	A	S	I		A	I	G	A		N	G	V	I		T	I	T	Y		T	A		A	A	G	G	T	I	V	M	T	P	T		Q	A	112																							
NTDB	id	1258	GC085	RS09745	WP																																																																										

NTDB id	1192	PAKAF RS23870 WP 024947914.1	AADGLWKCTSD.....QDEQFIPKGCSK.....	150
NTDB id	1197	PSJM300 03940 AFN76866.1	TADGEWSCAST.....LDAKYKPGKCS.....	139
NTDB id	1191	AAC28468.1 484..945()	GQISTWTCAPGA.....ANGIETRLRPSTCQ*.....	153
NTDB id	154149	DE8555 RS01170 WP 002220239.1	SCSFSWECKKG.....SVDEKFLPSTCRTK.....	148
NTDB id	1119	NGFG RS11465 WP 017147169.1	NGSVKWFQCGQPVTTRADDTVADA..KDGEIDTKHLPSTCRDKASDAK	166
NTDB id	1109	OK783 RS10670 WP 157147416.1	DGSVKWFQCGQPVTRTGDNDTVA..DANNAIDTKHLPSTCRDESSAT.	164
NTDB id	1400	DSB67 RS12660 WP 010643261.1	SNGVTWSSECKDATN.....AVQTYSYCP.....	154
NTDB id	1188	NELON RS01755 WP 003772458.1	TGALDWACASAAKETADKRFGTGSGVAVGTLPKAYAPSECK.....	188
NTDB id	1424	RS RS02795 WP 011000517.1	SGPIMWTCYAQNKAQAASSVAPS...GTMSLAAKYAPAECR.....	168
NTDB id	1002	ACIAD RS15100 WP 004923779.1	SGAVTWKCTTT.....S.DKKYPVPSECRG.....	147
NTDB id	1274	LPP RS09530 WP 011214168.1	NGDVTTCTGG.....TL LAKYRPASCRP.....	136
NTDB id	1258	GC085 RS09745 WP 014844212.1	NGDVTWTCTGG.....TL LAKYRPASCRP.....	136
consensus			* * ! *	** ** ! **

 non conserved
 similar
 $\geq 50\%$ conserved