

NTDB	id	1192	PAKAF RS23870 WP 024947914.1	MKAQKGFTLIELMIVVAIIGILAATAIPQQYNYVARSEGASALASVNPLKTIVEALS.RGWSVKS GTGTE.	70
NTDB	id	1197	PSJM300 03940 AFN76866.1	MKAQMKGFTLIELMIVVAIIGILAAAIAPAYQDYTVRSNAAAALA EITPGKIFGEQAIN.EGKTPSLTSTD..	71
NTDB	id	1191	AAC28468.1 484..945()	MLKKVKQGFTLIELMIVIAIIGILAATAIPAYQDYTARAQTETGFKATAGLTDLGWADRGRGSFPNAALVAG	74
NTDB	id	306051	DV160 RS00755 WP 002220239.1	MKAILKGFTLIELMIVIAIVGILAAVALPAYQDYTARAKMSEALTLLAEGQKSAVVVEYYSDNGTFPNSN....	68
NTDB	id	1119	NGFG RS11465 WP 017147169.1	MNTHKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEQGKSAVTEYYLNHGKW PENN.....	68
NTDB	id	1109	OK783 RS10670 WP 157147416.1	MNTHKGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEAILLAEQGKSAVTEYYLNHGIWPKDN.....	68
NTDB	id	1400	DSB67 RS12660 WP 010643261.1	...MKTNKQKQKQKGFTLIELMIVVAIIGILAALAI PAYQDYTKKATMAEFPKIASSTKLAVELCAHEHAADAG.... AF	72
NTDB	id	1188	NELON RS01755 WP 003772458.1	MKANKGFTLIELMIVIAIIGILAAAIAPAYQDYTVRSKVSEALIAASSPKSALSEAFQTDGITGMTAAAKAF	73
NTDB	id	1424	RS RS02795 WP 011000517.1	MKSMRHLNRVKGFTLIELMIVIAIVGILAAAIAPAYQDYTVRARVTEGLSLAQA KALVSENAANAQS DLSV.....	74
NTDB	id	1002	ACIAD RS15100 WP 004923779.1	MNAKGFTLIELMIVIAIIGILAAAIAPAYTDYTVRRARVSEGLTAASSMKTTVSENILNACALVAGTPSTAG	72
NTDB	id	1274	LPP RS09530 WP 011214168.1	MRKGFTLIELMIVVAIIGILAAAIAPAYQDYTI RARVTEGLTLADS AKLAVSETAITNNALPATQAATGY	71
NTDB	id	1258	GCO85 RS09745 WP 014844212.1	MRKGFTLIELMIVVAIIGILAAAIAPAYQDYTI RARVTEGLTLADS AKLAVSETAITNNALPATQAATGY	71
consensus				* * * * * ** *** *** ** *	

NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	..DATKKEVPLGVAAADANKLGTIALKP.....DPADGTADI	TLTFTMG...GAGPKNKGKIITLTR.....T	127		
NTDB	id	1197	PSJM300	03940	AFN76866.1		EGYICITDS.TSYCDVDID.....TAADGHI	..ECTAKG...GNAGKF DGKTITILNR.....	117		
NTDB	id	1191	AAC28468.1	484..945()			NVIFDS.....ANGLDGKYFAPGGVTVT.PDTGAI	.NTAFDAG.....ANAGKMTITPTVIA.....AS	127		
NTDB	id	306051	DV160	RS00755	WP	002202039.1	TSAGTAAAS.NEIKGKYVASVKVEGNA.SVASI	.TATMNSG...NVNKDIKGTTLV.....LVGKQN	123		
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	TSACVASPPTDIKGYVKEVEVKN G...VV	.TATMLSS...GVNNEIKGKKLS.....LWGRRE	120		
NTDB	id	1109	OK783	RS10670	WP	157147416.1	TSACVASA.STIKGKYVQKV E V A K G....VV	.TAQMAST...GVNKEIQDKKLS.....LWAKRQ	119		
NTDB	id	1400	DSB67	RS12660	WP	010643261.1	KTKC..HQTANCIPAA...FTLNNL.TVT.PAAGAASGAI	.SITVN AANDKG.....PIKQ.....NEKYILTATYA	131		
NTDB	id	1188	NELON	RS01755	WP	003772458.1	NKTA AAGGGAGCAAAAAGTQHASKYVKS.V.KVTEASPWDI	.TV AISATEANGIPTGLDGN TIRLFPLVNK.AVP.AATS	147		
NTDB	id	1424	RS	RS02795	WP	011000517.1	CSSVF...TPTKNVANLTIAGTGTPVGQII	.IVTYT.T.....AAGGGT LALVPTAAGTALPVSSAP	130		
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	S.....SCVGVQEISASNATTNVATA.TCGASSAGQI	.IVTMDTT.....KAKGANITLTPT.....YA	124		
NTDB	id	1274	LPP	RS09530	WP	011214168.1	V.....SPAATPNVASTI..AIGA..NGVI	.TITY.TA.....AAGGGTIVMTPTL.....QA	112		
NTDB	id	1258	GCO85	RS09745	WP	014844212.1	V.....SPAATPNVQSTI..AIGA..NGVI	.TITY.TA.....AAGGCTIIMTPTL.....QA	112		
consensus							* * *	* * *	* * *	* * *	* * *

NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	AADGLWKCTSD.....QDEQFIPKGC	CSK.....	150
NTDB	id	1197	PSJM300	03940	AFN	76866.1	TADGEWSCAST.....LDAKYKPGKCS		139
NTDB	id	1191	AAC28468.1	484..945()			GQISTWTCAPGA.....ANGIETRRLLPTSCQ*		153
NTDB	id	306051	DV160	RS00755	WP	002220239.1	SGSFSWECKKG.....SVDEKFLPST	CRTK.....	148
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	NGSVKWF CGQPVTTRADDDTVADA..KDGKE	IDTKHLPSTCRDKASDAK	166
NTDB	id	1109	OK783	RS10670	WP	157147416.1	DGSVKWF CGQPVTTRTGDNDTV..DANNA	IDTKHLPSTCRDESSAT	164
NTDB	id	1400	DSB67	RS12660	WP	010643261.1	SGNVTWSSSECKDATN.....AVQTSYCP		154
NTDB	id	1188	NELON	RS01755	WP	003772458.1	TGALDWACASAAKETADKRFGTGTSGVAVGT	LPAKYAPSECK	188
NTDB	id	1424	RS	RS02795	WP	011000517.1	SGPIMWTCYAQNKAQAASSVAPS...GTMS	LAAKYAPAE	168
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	SGAVTWKCTTT.....S.DKKYVPSE	CRG.....	147
NTDB	id	1274	LPP	RS09530	WP	011214168.1	NGDVTWCTTGG.....TLLAKYRPAS	CRP.....	136
NTDB	id	1258	GC085	RS09745	WP	014844212.1	NGDVTWCTTGG.....TLLAKYRPAS	CRP.....	136
consensus							* * ! *	** ** ! *	

 non conserved
 similar
 $\geq 50\%$ conserved