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NTDB id 1192 PAKAF RS23870 WP 024947914.1	MKAQKQGFTLIELMIVVAIIGILAAAIAPQYQNYVARSEGASALASVNPLKTTVEEALS.RGWSVKSGTGTE.	70
NTDB id 1197 PSJM300 03940 AFN76866.1	MKAQMKGFTLIELMIVVAIIGILAAAIAPAYQDYTVRSNAAAAALAEITPGKIGFEQAIN.EGKTPSLTSTD..	71
NTDB id 1191 AAC28468.1 484..945()	MLKKVQKQGFTLIELMIVIAIIGILAAAIAPAYQDYTARAQATEGFKATAGLQTDLGAWRADRGSPFNAAALVAG	74
NTDB id 190466 A6L41 RS08455 WP 002220239.1	MKAIQKQGFTLIELMIVIAIVGILAAVALPAYQDYTARAQMSEALTLLAEGQKSAVVEYYSDNGTFPNSN.....	68
NTDB id 1119 NGFG RS11465 WP 017147169.1	MNTLQKQGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEATLLAEGQKSAVTEYYLNHGKWPENN.....	68
NTDB id 1109 OK783 RS10670 WP 157147416.1	MNTLQKQGFTLIELMIVIAIVGILAAVALPAYQDYTARAQVSEATLLAEGQKSAVTEYYLNHGKWPENN.....	68
NTDB id 1400 DSB67 RS12660 WP 010643261.1	...MKTNKQKKQKQGFTLIELMIVVAIIGILAAALAPAYQDYTKKATMAEFPKIASSTKLAVELCAHEHAADAG....AF	72
NTDB id 1188 NELON RS01755 WP 003772458.1	MKAQMKGFTLIELMIVIAIIGILAAAIAPAYQDYTVRSKVSSEALIAASSPKSALSEAFQTDGITGMTAAAKAF	73
NTDB id 1424 RS RS02795 WP 011000517.1	MKSMRHLNKRQKQGFTLIELMIVVAIVGILAAAIAPAYQDYTVRARVTEGLSLAAQAKALVSENAANAQSDLSV.....	74
NTDB id 1002 ACIAD RS15100 WP 004923779.1	MNAQKQGFTLIELMIVIAIIGILAAAIAPAYTDYTVRARVSEGLTAASSMKTTVSENILNAGALVAGTTPSTAG	72
NTDB id 1274 LPP RS09530 WP 011214168.1	MRQKQGFTLIELMIVVAIIGILAAAIAPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATGY	71
NTDB id 1258 GC085 RS09745 WP 014844212.1	MRQKQGFTLIELMIVVAIIGILAAAIAPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPATQAATGY	71
consensus	*!*!!!!!!!!!!!!*!*!!!!!!!!*!*!*!*!*!* * * * * * * * * * * * *	

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NTDB id 1192 PAKAF RS23870 WP 024947914.1	..DATKKEVPLGVAADANKLGTIALKP.....DPADGTADITLITFTMG...GAGPKNKGKIITLITR.....T	127
NTDB id 1197 PSJM300 03940 AFN76866.1	EGYIGITDS.TSYCDVDLD.....TAADGHI...ECTAKG...GNAGKFDGKTITLNR.....	117
NTDB id 1191 AAC28468.1 484..945()	NVIFDS.....ANGLDGKYFAPGGVTVT.PDTGAI..NIAFDAG.....ANAGKMTITPTVIA.....AS	127
NTDB id 190466 A6L41 RS08455 WP 002220239.1	TSAGTAAAS.NEIKGKYVASVKVEGNA.SVASI..TATMNSS...NVNKDIKGKTLV.....LVGKQN	123
NTDB id 1119 NGFG RS11465 WP 017147169.1	TSAGVASPPTDIKGKYVKEVEVKN.....VV..TATMLSS...GVNNEIKGKKLS.....LWGRRE	120
NTDB id 1109 OK783 RS10670 WP 157147416.1	TSAGVASA.STIKGKYVQKVEVAKG.....VV..TAQMAST...GVNKEIQDKKLS.....LWAKRQ	119
NTDB id 1400 DSB67 RS12660 WP 010643261.1	KTKC..HQTANGIPAA...FTLNNL.TVT.PAAGAASGAI..SITVNAAANDKG.....PIKQ....NEKYILTATYA	131
NTDB id 1188 NELON RS01755 WP 003772458.1	NKTAAAGGGAGCAAAAGTQHASKYVKS..KVTEASPWDI..TVAISATEANGIPTGLDNTIRLFLPVNK.AVP.AATS	147
NTDB id 1424 RS RS02795 WP 011000517.1	GSSVF...TPTKNVANLTIAGTGTVPGQI..IVTYT.T.....AAGGGTIALVPTAAGTALPVSSAP	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.....SPAATPNVASI..AIGA..NGVI..TITY.TA.....AAGGGTIVMTPTL.....QA	112
NTDB id 1258 GC085 RS09745 WP 014844212.1	V.....SPAATPNVQSI..AIGA..NGVI..TITY.TA.....AAGGGTIVMTPTL.....QA	112
consensus	* *	

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NTDB id 1192 PAKAF RS23870 WP 024947914.1	AADGLWKCTSD.....QDEQFIPKGCSC.....	150
NTDB id 1197 PSJM300 03940 AFN76866.1	TADGEWSCAST.....LDAKYKPGKCS.....	139
NTDB id 1191 AAC28468.1 484..945()	GQISTWTCAPGA.....ANGIETBRLPTSCQ*.....	153
NTDB id 190466 A6L41 RS08455 WP 002220239.1	SGSFSWECKKG.....SVDEKFLPSTCRK.....	148
NTDB id 1119 NGFG RS11465 WP 017147169.1	NGSVKWFQCGQPVTRADDDTVADA..KDGKEIDTKHLPSTCRDKASDAK	166
NTDB id 1109 OK783 RS10670 WP 157147416.1	DGSVKWFQCGQPVTRTGDNDDTVA..DANNAIDTKHLPSTCRDESSAT.	164
NTDB id 1400 DSB67 RS12660 WP 010643261.1	SNGVTWSSECKDATN.....AVQTSYCP.....	154
NTDB id 1188 NELON RS01755 WP 003772458.1	TGAIDWACASAAKETADKRFGTGSGVAVGTLPAKYAPSECK.....	188
NTDB id 1424 RS RS02795 WP 011000517.1	SGPIMWTCYAQNKAQAASSVAPS...GTMSLAAKYAPAECR.....	168
NTDB id 1002 ACIAD RS15100 WP 004923779.1	SGAVTWKCTTT.....S.DKKYVPSECRG.....	147
NTDB id 1274 LPP RS09530 WP 011214168.1	NGDVTWCTTGG.....TLAKYRPASCRP.....	136
NTDB id 1258 GC085 RS09745 WP 014844212.1	NGDVTWCTTGG.....TLAKYRPASCRP.....	136
consensus	* * ! * * * * * ! * *	

 non conserved
 similar
 $\geq 50\%$ conserved