

NTDB	id	1038	HON27	RS01510	WP	000993725.1	MNA	QKGFTLIELMIVVAIIGILAAATAIPQYQNYIAKSQVNSGFSEISSIKTGYEN	.AVNEGAVPTKLSDV..	69
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	MKA	QKGFTLIELMIVVAIIGILAAATAIPQYQNYVARSEGASALASVNPLKTTVEE	.ALSRGWSVKSGTGTED	71
NTDB	id	1197	PSJM300	03940	AFN	76866.1	MKAQM	QKGFTLIELMIVVAIIGILAAATAIPAYQDYTVRSNAALAEITPGKIGFEQ	.AINEGKTPSLTSTDE.	72
NTDB	id	1204	PSJM300	03935	AFN	76865.1	MKPVKSSCRGFS	LIELMIVVAIIGILAAATAIPAYQNYTVRSTAAALAEITPAKAAFEQ	.AISEGHTPSLVSSLP.	74
NTDB	id	1365	NTHI	RS01955	WP	011271973.1	..MKLTTQQT	LKGGFTLIELMIVTAIIAIALTAIAPSYQNYTKKAAVSELLQASAPYKAD	VELCVYSTNETTNTCT...G.	74
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	MNTL	QKGFTLIELMIVTAIVGILAAVALPAYQDYTARAQVSEAILLAEGQKSAVTEYY	.LNHGKWPENN.TSA.	71
NTDB	id	1191	AAC28468.1	484..945()			MLKKV	QKGFTLIELMIVTAIIGILAAATAIPAYQDYTARAQATEGFKATAGLQTD	.GAWRADRGSPFNAAALVA.	73
NTDB	id	1424	RS	RS02795	WP	011000517.1	MKSMRHLNKR	VQKGFTLIELMIVVAIVGILAAATAIPAYQDYTVRARVTEGLSLAAQAKLV	SENANAQAQ...D.LSV.	74
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	MNA	QKGFTLIELMIVTAIIGILAAATAIPAYTDYTVRARVSEGLTAASSMKTT	VSSENINAGALVAGT....	67
NTDB	id	81238	MARGE09	RS01510	WP	236985603.1	MKKV	QKGFTLIELMIVVAIIGILAAVALPAYQDYTVRARVTEGLGFAAAAKVT	VAAENAAA...GASS.LAA.	67
NTDB	id	1258	GCO85	RS09745	WP	014844212.1	MR	QKGFTLIELMIVVAIIGILAAATAIPAYQDYTVRARVTEGLTLADSAK	LAVSETAITNNALPATQ.AAT.	69
NTDB	id	1274	LPP	RS09530	WP	011214168.1	MR	QKGFTLIELMIVVAIIGILAAATAIPAYQDYTVRARVTEGLTLADSAK	LAVSETAITNNALPATQ.AAT.	69
consensus										
							*****	*****	*****	*****

NTDB	id	1038	HON27	RS01510	WP	000993725.1	GFTAAATSSVCATYSID...AFTETDGAGKITTCTLKG..N.....PKIATKIIVELTR..S.TDGAWT	122
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	ATKKEVPLGVAAADANKIGTIAIKP....DPADGTADITLTFTMGCGAG.....PKNKCKIIITLTR..TAADGLWK	134
NTDB	id	1197	PSJM300	03940	AFN	76866.1	GYIGITDSTS.YCDVDLD.....TAADGH..IE.CTAKGGNA.....GKFDDGKTITLNR..T.ADGEWS	124
NTDB	id	1204	PSJM300	03935	AFN	76865.1	CFIGIGASTNYCYTTLI.....ATATCS..IT.CTTQNGMP.....DRFNGKTIITAR..T.TDGLWD	126
NTDB	id	1365	NTHI	RS01955	WP	011271973.1	GKNIGIADIT.TAKGYVKS.....VTTSNCA..ITVKGD.....GTLANMEY.....ILQTATGNAATGVTWT	128
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	GVAS..PPTD.IKGKYVKE....VEVKNGV.VTATMLSSG.....VNNEIKGKKISLWGRRENCSVKWF	127
NTDB	id	1191	AAC28468.1	484..945()			GNVIFDSANG.LDGKYFAPGGVTVTPDTCA..INLAFDAGANAGKMTITPTVIAAS.....GQISTWT	134
NTDB	id	1424	RS	RS02795	WP	011000517.1	GSVFFTPKN.VANITTAG....TGTVPCQ..ITVITYTTAAGG.GTLALVP...TAAGT.ALPVSSAPSQIMWT	137
NTDB	id	1002	ACTAD	RS15100	WP	004923779.1	PSTAGSSC.GVGQEISA.....SNATTNV..ATATCGASSA..GQIIVTMDTTKAKGANITLTPTYASCVAVTWK	131
NTDB	id	81238	MARGE09	RS01510	WP	236985603.1	GWTAPTATAS.VTSVAINS.....STGA..ITITFGSAVSANATMIFTT...TASGT.ALTAGTPASNLSWT	128
NTDB	id	1258	GCO85	RS09745	WP	014844212.1	GYVSPAATPN.VQSIAIGA.....NGV..ITITYTAAAGG.GTIIMT.....PTLQANGDVVTWT	119
NTDB	id	1274	LPP	RS09530	WP	011214168.1	GYVSPAATPN.VASIAIGA.....NGV..ITITYTAAAGG.GTIIVMT.....PTLQANGDVVTWT	119
consensus							* ** * * * * * * * * * * * *	

NTDB id 1038 HON27 RS01510 WP 000993725.1	CVSD.....	VPTEFLPKGCTAGTPTGAI	149
NTDB id 1192 PAKAF RS23870 WP 024947914.1	CTSD.....	QDEQFIPKGC	150
NTDB id 1197 PSJM300 03940 AFN76866.1	CAST.....	LDAKYKPKGCS	139
NTDB id 1204 PSJM300 03935 AFN76865.1	CTSD.....	LDSRYKPKGCL	141
NTDB id 1365 NTHI RS01955 WP 011271973.1	TTCKG.....	TDASLFPANFCGSVTQ	149
NTDB id 1119 NGFG RS11465 WP 017147169.1	CGQPVTRADDDTVADAKDGKE	IDTKHLPSTCRDKASDAK	166
NTDB id 1191 AAC28468.1 484..945()	CAPGAANG.....	IETRRLPTSCQ*	153
NTDB id 1424 RS RS02795 WP 011000517.1	CYAQNKAQAASSV.APSGTMS	LAQKYAPAE	168
NTDB id 1002 ACIAD RS15100 WP 004923779.1	CTTT.....	SDKKYVPSECRG	147
NTDB id 81238 MARGE09 RS01510 WP 236985603.1	CTGGN.....	LSSNYRPSNCR	144
NTDB id 1258 GCO85 RS09745 WP 014844212.1	CTGGT.....	LAKYRPASCRP	136
NTDB id 1274 LPP RS09530 WP 011214168.1	CTGGT.....	LAKYRPASCRP	136
consensus	* *	* * ! *	

 non conserved
 similar
 $\geq 50\%$ conserved