

NTDB id	1038	HON27 RS01510 WP 000993725.1	MNA	QKGFTLIELMIVVAITGILAAATIPQQYNYIAKSQVNSGFSEISSIKTGYEN.AVN E GAVPTKLS.D.	68
NTDB id	1197	PSJM300 03940 AFN76866.1	MKAQM	QKGFTLIELMIVVAITGILAAAIAPAYQDYT V RSNAAAAALAEITPGKI G FEG.AINEGKT P SILTSD	71
NTDB id	1192	PAKAF RS23870 WP 024947914.1	MKA	QKGFTLIELMIVVAITGILAAAIAPQQYNYVARSEGASLASVNPLKTTVEE.ALSRGWSVKSGITGT	69
NTDB id	1191	AAC28468.1 484..945()	MLKKV	QKGFTLIELMI T AITIGILAAIAPAYQDYTAARAQTDEGFKATAGLTDLGAWRADGRGSFNAAAALV	72
NTDB id	1119	NGFG RS11465 WP 017147169.1	MN T L	QKGFTLIELMIV I AITVGILAAVALPAYQDYTAARQVSEAILLAEGQKS A VTEYYLNHGKWPENNISA	71
NTDB id	1109	OK783 RS10670 WP 157147416.1	MN T L	QKGFTLIELMIV I AITVGILAAVALPAYQDYTAARQVSEAILLAEGQKS A VTEYYLNHGIWPKDN T ISA	71
NTDB id	1188	NELON RS01755 WP 003772458.1	MKAM	QKGFTLIELMIV I AITIGILAAAIAPAYQDYTVRSKVSEALIAASSPKSALSEAFQTDGITGMTAATAAK	71
NTDB id	1424	RS RS02795 WP 011000517.1	..MKSMRHLNKRV	QKGFTLIELMIVVAITVGILAAAIAPAYQDYTVRARVTEGLSLAAQA K ALVSENAANAQS D LSVGS.S	77
NTDB id	217730	A8E75 RS30690 WP 290439942.1	MKVMKLNTIKAGA	QKGFTLIELMITVAITVGILAAVALPAYQDYTIARAQVSEGLTAEGA K TAVTEYFANAGSLPADNI A .	79
NTDB id	1002	ACIAD RS15100 WP 004923779.1	MNA	QKGFTLIELMIVTAITIGILAAAIAPAYTDTYTVRARVSEGLTAASSMKITT V SENILNAGALVAGTPS.	69
NTDB id	1274	LPP RS09530 WP 011214168.1	MR	QKGFTLIELMIVVAITGILAAAIAPAYQDYTIARAVTEGLTLADS A KLAVSETAITNNALPATQAA.	68
NTDB id	1258	GCO85 RS09745 WP 014844212.1	MR	QKGFTLIELMIVVAITGILAAAIAPAYQDYTIARAVTEGLTLADS A KLAVSETAITNNALPATQAA.	68
consensus				* * * * * * * * * * * * * * * * * * * * *	

NTDB	id	1038	HON27	RS01510	WP	000993725.1	VGFTAATSSVCATY....SIDAFTETDGAGKI.T.CTLK..GNPKIATKI V ELTR.....	115
NTDB	id	1197	PSJM300	03940	AFN76866.1		EGYIGITDS.TSYCDVD.....LD..TAADCHI...E.CTAKGGNAGKF G KTTILNR.....	117
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	EDA...TKKEVPLGVAADANKLG T IA.....LKP.DPADGTADITL.TFTMGGAGPKNKGKIITL T R.....	127
NTDB	id	1191	AAC28468.1	484..945()			AGNVIFDSA.....NGLDGYFAPGGVTV.TPDTGA N INIAFD.....AGANAKGMTITPTVI.....AAS	127
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	G.....VASPP T DIKGKYVKEVEV.....KNGVV T ATML...SSGVNNEIKKKLSLWG.....RRE	120
NTDB	id	1109	OK783	RS10670	WP	157147416.1	G.....VASA.STIKGKYVQKVEV.....AKGV V TAQMA...STGVNKEIQDKKLSLWA.....KRQ	119
NTDB	id	1188	NELON	RS01755	WP	003772458.1	AFNKTA A AGGGAGGAAAAAGTQHASKYVKSVKV..TEASPWDIT V AISATEANGIPTGLDGN T IRLFPLVNKA.VP.AATS	147
NTDB	id	1424	RS	RS02795	WP	011000517.1	VFTPTKNVANLT I AGTGTVPGQITVTY.....TAAAGGGTIALVTPAAGTALPVSSAP	130
NTDB	id	217730	A8E75	RS30690	WP	290439942.1	ANYGGAVGKYTTGVAI.....ANGAITSTY.....GGAANTKIAGGTITLTPTA.....DN	125
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	TAGSSCVGVQEISASNATTNVATAT..CGASSAQII V TM.....DTTKAKGANITLTP TYA	124
NTDB	id	1274	LPP	RS09530	WP	011214168.1	TGYV.....SPAATPNVASIA..IGA.NGVITITY.....TAAAGGGTIVMTPTL.....QA	112
NTDB	id	1258	GC085	RS09745	WP	014844212.1	TGYV.....SPAATPNVQSIA..IGA.NGVITITY.....TAAAGGGTIIMTPTL.....QA	112
consensus							* * * ***** *****	

NTDB	id	1038	HON27	RS01510	WP	000993725.1	STDGAWTCVSD.....	VPTFLPKGCTAGTPTGEGAITSL	149
NTDB	id	1197	PSJM300	03940	AFN76866.1		TADGEWSCAST.....	LDAKYKPGKCS.....	139
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	AADGLWKCTSD.....	QDEQFIPKGCCK.....	150
NTDB	id	1191	AACT28468.1	484..	945()		GQISTWTCAPG.....	AANGIETBRLPTSCQ*	153
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	NGSVKWFQGGPVTRADDDTVADA..	KDGKEIDTKHLPSTCRDKASDAK.....	166
NTDB	id	1109	OK783	RS10670	WP	157147416.1	DGSVKWFQGGPVTRTGDNDDTVA..	DANNAIDTKHLPSTCRDESSAT.....	164
NTDB	id	1188	NELON	RS01755	WP	003772458.1	TGAIDWACASAAKETADKRFGTSGSVAVGTL	PAKYAPSECK.....	188
NTDB	id	1424	RS	RS02795	WP	011000517.1	SGPIMWTCYAQNKAQAASSVA...	PSGTMSLAAKYAPAECR.....	168
NTDB	id	217730	ABE75	RS30690	WP	290439942.1	SGTLIWKCSYDG.....	SLVQKYVPSSCK.....	150
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	SGAVTWKCTT.....	TS.DKKYVPSECRG.....	147
NTDB	id	1274	LPP	RS09530	WP	011214168.1	NGDVTWTCGT.....	GTLLAKYRPASCRP.....	136
NTDB	id	1258	GCO85	RS09745	WP	014844212.1	NGDVTWTCGT.....	GTLLAKYRPASCRP.....	136
consensus							* * ! !	* * * * ! *	

 non conserved
 similar
 $\geq 50\%$ conserved