

NTDB	id	1292	VP	RS12235	WP	O05479693.1	...MKHSKQKK	QQGFTLIELMIVVAIIGVLA	AALPAYQN	VYTRSEVTISGLATVKALITPAELHYQE	.NGIAA.....	69
NTDB	id	1192	PAKAF	RS23870	WP	O24947914.1	MKA	KKGFTLIELMIVVAIIGILAATAIP	QYQNVARSEGAS	ALASVNPLKTTVEEALS	R.GWSVKSGTGTED	71
NTDB	id	1197	PSJM300	O3940	AFN	F76866.1	MKAQM	QGFTLIELMIVVAIIGILAAIALP	PAYQDYTVRSNA	AAAEITPGKIGFEQAINE	.GKTPSLSTDE.	72
NTDB	id	1204	PSJM300	O3935	AFN	F76865.1	MKPVKSSC	RGFSLIELMIVVAIIGILAAIALP	PAYQNYTVRSTAAS	ALAEITPAKAAFEQAISE	.GHTPSLVSSLP.	74
NTDB	id	1365	NTHI	RS01955	WP	O11271973.1	..MKLTQTTLTK	KGFTLIELMIVTAIIAILATIAIP	SYQNYTKKAAVSELL	LQASAPYKADVELCVYSTNETTNC	...TGG	75
NTDB	id	1109	OK783	RS10670	WP	S17147416.1	MNTL	KKGFTLIELMIVTAIVGILAAVALP	PAYQDYTARAQVSEAITLLAEGQ	KSAVTEYYLNHG	GIWPKDNTSAGV	73
NTDB	id	1191	AAC28468.1	484..945()			MLKKV	QKGFTLIELMIVTAIIGILAAIALP	PAYQDYTARAQTEGFKATQLTD	LGAWRADCGSFNPAAALVAG		74
NTDB	id	1424	RS	RS02795	WP	O11000517.1	MKSMRHLNKRV	QKGFTLIELMIVVAIVGILAAIALP	PAYQDYTVRARVTEGLSLAAQKALVS	EENANAQSDLSVGS....		76
NTDB	id	422479	G3566	RS16260	WP	O07962467.1	MKK	QQGFTLIELMIVVAIILAAIALP	PAYQDYTVRSRVSELAVMASSF	KTTVAENIANNG	CGTLPAD....	67
NTDB	id	1002	ACIAD	RS15100	WP	O04923779.1	MNA	KKGFTLIELMIVTAIIGILAAIALP	PAYTDYTVRARVSEGLTAASSM	KTTVSENILNAG	ALVAGTPSTAG	72
NTDB	id	1274	LPP	RS09530	WP	O11214168.1	MR	KKGFTLIELMIVVAIIGILAAIALP	PAYQDYTVIRARVTEGLTLADS	AKLAVSETAITNNALPATQAATGY		71
NTDB	id	1258	GC085	RS09745	WP	O14844212.1	MR	KKGFTLIELMIVVAIIGILAAIALP	PAYQDYTVIRARVTEGLTLADS	AKLAVSETAITNNALPATQAATGY		71
consensus								*****	*****	*****	* * *	

NTDB	id	1292	VP	RS12235	WP	005479693.1	.AATLAQLGVDVAANDL..GA	IDS.....ALAG	CSPT	LTFTFD...ADSSID	GGIL	LTFTRD.....	AATGW	124
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	ATKKEVPLGVAADANKL..GT	IAL..K..PDPAD	GTAD	ITLTFTMGAGPKNK	GKI	ITLTRT.....	AADGLW	133
NTDB	id	1197	PSJM300	03940	AFN	76866.1	GYIGITDSTS.Y..CD	VDL...D...TAAD	GH..	IE.CTAKGGNAGKF	GKT	ITLNR.....	ADGEW	123
NTDB	id	1204	PSJM300	03935	AFN	76865.1	GFIGIGASTN.Y..CT	VTL..T...ATAT	GS..	IT.CTTQNGMPDRFN	GKI	ITLART.....	TDGLW	125
NTDB	id	1365	NTHI	RS01955	WP	011271973.1	.KN.....GIA.ADITTAKGY	VK.....SVTTSN	G...A	ITVKGDG.....	TL	ANMEY....ILQATGNAATG	VTV	127
NTDB	id	1109	OK783	RS10670	WP	157147416.1	.A.....SASTIKGKY	VQKVEA....KG..V	TAQMASTGVNKEIQDKK	LSLW.....	AKRQD	GSVKW	125	
NTDB	id	1191	AAC28468.1	484..945()			.N.....VIFD.SANGLDGKY	FAPGGVT.VTPDT	G.AIN	IAFDA....GANA	GKMT	ITPTVIA.....	ASGQISTW	133
NTDB	id	1424	RS	RS02795	WP	011000517.1	SVF...TPT..KN	VANLTIAGTGTVP	G...Q	ITVITYT....TAAG	GGT	LALVPTAAGTALPVSSAPSG	PIMW	136
NTDB	id	422479	G3566	RS16260	WP	007962467.1	..ACVGVG...ATAAT..TN	MAS...IACTPA.TG..N	IVVTGDA....TRTK	GTVLTYAPT	TVGA.....	ANSAVGTTW	124	
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	.SSCVGVQEIS.ASNAT..TN	VAT..ATCGASSAG..Q	IIVTMDT...TKAK	GANIT	ITLPT.YA.....	S...GAVTW	130	
NTDB	id	1274	LPP	RS09530	WP	011214168.1	.V.....SPAAT..PN	VAS...IAIGA..NG..V	ITITY.T...AAAG	GGT	ITMPTTLQA.....	N...GDVTW	118	
NTDB	id	1258	GC085	RS09745	WP	014844212.1	.V.....SPAAT..PN	VQS...IAIGA..NG..V	ITITY.T...AAAG	GGT	ITMPTTLQA.....	N...GDVTW	118	
consensus							*	*	!	***	*	****	*	!

Accession	Gene	Protein	Sequence	Position
NTDB id 1292	VP RS12235	WP 005479693.1	SCLPT.....APAI.AVDGCS.....	139
NTDB id 1192	PAKAF RS23870	WP 024947914.1	KCTSD.....QDEQFIPKGCSSK.....	150
NTDB id 1197	PSJM300 03940	AFN76866.1	SCAST.....LDAKYKPKGCS.....	139
NTDB id 1204	PSJM300 03935	AFN76865.1	DCTSD.....LDSRYKPKCKL.....	141
NTDB id 1365	NTHI RS01955	WP 011271973.1	TTTCK.....GTDASLFPAFNCGSVTQ.	149
NTDB id 1109	OK783 RS10670	WP 157147416.1	FCGQPVTRTGDNDDTVADANNAIDTKHLPSTCRDESSAT	164
NTDB id 1191	AAC28468.1	484..945()	TCAPGAAN.....GIETRLRLPTSCQ*.....	153
NTDB id 1424	RS RS02795	WP 011000517.1	TCYAQNKAQAA.SSVAPSGTMSLAAKYPAECR.....	168
NTDB id 422479	G3566 RS16260	WP 007962467.1	TCTGS.....GSQSKYYPAECCR.....	142
NTDB id 1002	ACIAD RS15100	WP 004923779.1	KCTTT.....S.DKKYVPSECRG.....	147
NTDB id 1274	LPP RS09530	WP 011214168.1	TCGTG.....TLAKYRPAACRPP.....	136
NTDB id 1258	GC085 RS09745	WP 014844212.1	TCTGG.....TLAKYRPAACRPP.....	136
consensus			*** ** * * *	

 non conserved
 similar
 $\geq 50\%$ conserved