

NTDB	id	1292	VP	RS12235	WP	O05479693.1	...MKHSKQKK	QQGFTLIELMIVVAITGVLA	AATPAYQNYVTRSEVTSG	LATVKALITPAELHYQE.NGIAA.....	69		
NTDB	id	1192	PAKAF	RS23870	WP	O24947914.1	MKA	QKGFTLIELMIVVAIIGILAA	AIPQYQNYVARSEGASALASVNPL	KTTVEEALS.R.GWSVKS	GTTGED	71	
NTDB	id	1204	PSJM300	03935	AFN	76865.1	MKPVKSSC	RGFSLIELMIVVAIIGILAA	AIALPAYQNYTVRSTAA	SALAEITPKAAFEQAISE.	GHTPSLVSSLP.	72	
NTDB	id	1197	PSJM300	03940	AFN	76866.1	MKAQM	QKGFTLIELMIVVAIIGILAA	AIALPAYQDYTVRSNA	AAAALAEITPGKIGFEQ	AIN.E.GKTPSLT	STDE.	74
NTDB	id	1365	NTHI	RS01955	WP	O11271973.1	..MKLTQTTLK	KGFTLIELMIVTAIIAILA	TIAIPSYQNYTKKAAVS	SELLQASAPYKADVELCV	YSTNETTNCT..GG	75	
NTDB	id	1109	OK783	RS10670	WP	O157147416.1	MN	TLQKGFTLIELMIVTAIV	GILAAVALPAYQDYTARA	QVSEAILLAEGQKSAVTE	EYYLNHGCIWPKDN	TSAGV	73
NTDB	id	1191	AAC28468.1	484..945()			MLKKV	QKGFTLIELMIVTAIIGILAA	AIALPAYQDYTRAQATE	GFKATAGLQTDLGAWRAD	RCFSFPNAALVAG	74	
NTDB	id	1424	RS	RS02795	WP	O11000517.1	MKSMRHLNKRV	QKGFTLIELMIVVAIIGILAA	AIPAYQDYTVRARVTEGL	SLAAQKALVSENANAQS	DLSVGS....	76	
NTDB	id	159095	APY29	RS05910	WP	O05921364.1	MKK	QQGFTLIELMIVVAIILA	AAIALPAYQDYTVRSR	VSELAVMASSFKTVAENI	ANNGGTLPAD....	67	
NTDB	id	1002	ACIAD	RS15100	WP	O04923779.1	MNA	QKGFTLIELMIVTAIIGILAA	AIALPAYTDYTVRARVSEGL	TAASSMKTTVSENILNA	CALVAGT	PSTAG	72
NTDB	id	1274	LPP	RS09530	WP	O11214168.1	MR	QKGFTLIELMIVVAIIGILAA	AIALPAYQDYTVRARVTEGL	TLADSAKLAVSETAITNN	ALPATQAATGY	71	
NTDB	id	1258	GC085	RS09745	WP	O14844212.1	MR	QKGFTLIELMIVVAIIGILAA	AIALPAYQDYTVRARVTEGL	TLADSAKLAVSETAITNN	ALPATQAATGY	71	
consensus							** ! ! ! ** ** ** ** *	* * *	*				

NTDB	id	1292	VP	RS12235	WP	O05479693.1	.AATLAQLGVDVAANDL..GA	IDS.....ALAGSPT	LTF	FD...ADSSIDGGI	LTF	TRD.....AATGW	124
NTDB	id	1192	PAKAF	RS23870	WP	O24947914.1	ATKKEVPLGVAADANKL..GT	IALL...K.PDPADGTAD	ITL	TFTMGGAGPKNKGI	ITL	TRT.....AADGLW	133
NTDB	id	1204	PSJM300	O3935	AFN	76865.1	GFIGIGASTN.Y.CTV	TL...I..ATATGS..IT	C	TTQNGMPDRFNKGKT	ITI	ART.....TDGLW	125
NTDB	id	1197	PSJM300	O3940	AFN	76866.1	GYIGITDSTS.Y.CDV	DL...D.TAADGH..IE	C	TAKGGNAGKFDTGKI	ITL	NRT.....ADGEW	123
NTDB	id	1365	NTHI	RS01955	WP	O11271973.1	.K.....NGIA.ADITTAKGV	KSVTTSNCA..IT	V	KGD....GTLA...NMEYILQ	ATGNAATGVTW	127	
NTDB	id	1109	OK783	RS10670	WP	157147416.1	.A.....SASTIKGKYVQKVEVA	KGV.VTAQMA....ST...	G	VNKEIQDK...KL	SLWAKRQDCSVKW	125	
NTDB	id	1191	AAC28468.1	484..945()			.N.....VIFD.SANGLDGKYFAPGGVT	.VTPDTCGA.IN	I	AFD....AGANA	GKMTITP	TVIAA.....SGQISTW	133
NTDB	id	1424	RS	R02795	WP	O11000517.1	SVF...TPT.KNV	ANLTIAGTGTVPGQ..IT	V	TYT....TAAGG	TALVPTAAGTALPVSSAPS	CPIMW	136
NTDB	id	159095	APY29	RS05910	WP	O05921364.1	..ACVGVG...ATAAT.NTMAS	..IACTPA.TGN.IVV	T	GD....ATR	TKGTVLTYAPT	VGGA.....NSAVGTTW	124
NTDB	id	1002	ACIAD	RS15100	WP	O04923779.1	.SSCVGVQEIS.ASNAT..TN	VAT..ATCGASSAQQ..II	V	TMD....TTKAK	GANTILTPT	.YA.....SCAVTW	130
NTDB	id	1274	LPP	RS09530	WP	O11214168.1	.V.....SPAAT..PNVAS	..IAIGA..NGV.IT	I	ITY....TAAAG	GGTIVMTP	TLQA.....NC DVTW	118
NTDB	id	1258	GC085	RS09745	WP	O14844212.1	.V.....SPAAT..PNVQS	..IAIGA..NGV.IT	I	ITY....TAAAG	GGTIVMTP	TLQA.....NC DVTW	118
consensus							* !	*****	*	***	*	!	

NTDB	id	1292	VP	RS12235	WP	005479693.1	SCLPT.....	APAI	AVDGC	CS.....	139
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	KCTSD.....	QDEQ	FIPKGC	SK.....	150
NTDB	id	1204	PSJM300	03935	AFN	76865.1	DCTSD.....	LDSRY	KPKG	CL.....	141
NTDB	id	1197	PSJM300	03940	AFN	76866.1	SCAST.....	LDAKY	KPKG	CS.....	139
NTDB	id	1365	NTHI	RS01955	WP	011271973.1	ITTCK.....	GTDAS	LFAN	FCGSVTQ.	149
NTDB	id	1109	OK783	RS10670	WP	157147416.1	FCGQPVTRTGDND	DTVADANNA	IDTKHL	PSTCRDESSAT	164
NTDB	id	1191	AAC28468.1	484..945()			TCAPGAAN.....	GIETRR	LPTSCQ*		153
NTDB	id	1424	RS	RS02795	WP	011000517.1	TCYAQNKAQAA.SSV	APSGTMS	LAAKYA	PAECR.....	168
NTDB	id	159095	APY29	RS05910	WP	005921364.1	TCTGS.....	GSQS	KYYPA	ECRR.....	142
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	KCTTT.....	S.DK	KYVP	SECRG.....	147
NTDB	id	1274	LPP	RS09530	WP	011214168.1	TCTGG.....	TLA	KYRP	PASCRP.....	136
NTDB	id	1258	GCO85	RS09745	WP	014844212.1	TCTGG.....	TLA	KYRP	PASCRP.....	136
consensus							***		**	**	* * *

 non conserved
 similar
 $\geq 50\%$ conserved