

NTDB	id	1184	GTF74	RS02335	WP	000649326.1	MKAYKNKQ	QKGFTLIELMIVVAVIGVLAATAIP	QYQNYVKKSATIGVGLANITALKTNI	IEDYIATEGSFPATTAGT	AAG..	78
NTDB	id	1167	A1552VC	RS11065	WP	000649326.1	MKAYKNKQ	QKGFTLIELMIVVAVIGVLAATAIP	QYQNYVKKSATIGVGLANITALKTNI	IEDYIATEGSFPATTAGT	AAG..	78
NTDB	id	1160	ABDM36	RS02330	WP	000649326.1	MKAYKNKQ	QKGFTLIELMIVVAVIGVLAATAIP	QYQNYVKKSATIGVGLANITALKTNI	IEDYIATEGSFPATTAGT	AAG..	78
NTDB	id	1292	VP	RS12235	WP	005479693.1	MKHSKQKKQ	QGFTLIELMIIVVAIIIGVLAATAIP	AYQNNYVTRSEVTSGLATVKALITPAELHYQENGI	.AAATL.....		73
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	MKA	QKGFTLIELMIVVAIIIGILAAIAIP	QYQNYVARSEGASALASVNPLKTTVEEALS	SRGWS.VKSGTGTE	DATK	74
NTDB	id	1038	HON27	RS01510	WP	000993725.1	MNA	QKGFTLIELMIVVAIIIGILAAIAIP	QYQNYIAKSKQVNSGFSEISSIKTGYENA	VNEGAV.PTKLSDV	CF...	71
NTDB	id	175299	AY071	RS25990	WP	041477820.1	MKK	QQGFTLIELIIVVAIIIGILATIAP	PQYSKYQARSKVTAGLAEISAMKVPFDELIN	QGTN.PSLA	AAVCGD...	71
NTDB	id	1197	PSJM300	03940	AFN	76866.1	...MKAQM	QKGFTLIELMIVVAIIIGILAAIALP	AYQDYTVRSTAAALAEITPGKIGFEQAINEGT	K.PSLT	STDEG...	73
NTDB	id	1204	PSJM300	03935	AFN	76865.1	..MKPVKSSCR	FGSLIELMIVVAIIIGILAAIALP	AYQNYTVRSTAASAALAEITPAKAAFEQAISEGH	T.PSVLSSLP	G...	75
NTDB	id	1191	AAC28468.1	484..945()			...MLKKV	QKGFTLIELMIVIITAIIGILAAIALP	AYQDYTARAQATEGFKATAGLQTDLGAWRADRG	SFNP	NAAALVAGNVI	77
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	MNA	QKGFTLIELMIVVAIIIGILAAIAIP	AYTDYTVRARVSEGLTAASSMKTTVSENIL	NAGALVAGTPSTAGSSC		75
NTDB	id	1258	GC085	RS09745	WP	014844212.1	MR	QKGFTLIELMIVVAIIIGILAAIAIP	AYQDYTIRARVTEGLTLADSAKLAVSETAITNNAL	PATQAATGYV..		72
NTDB	id	1274	LPP	RS09530	WP	011214168.1	MR	QKGFTLIELMIVVAIIIGILAAIAIP	AYQDYTIRARVTEGLTLADSAKLAVSETAITNNAL	PATQAATGYV..		72
consensus								* * * ! * ! * ! * ! * ! * ! * ! * ! * ! *		* * * ! * ! * ! * ! * ! * ! * ! *	*	*

NTDB	id	1184	GTF74	RS02335	WP	000649326.1	.FTRLGTVEDMCD.GKIVIAPTASGALGGTIKYTFDA...GVVSSSKIQRLARD.....ANGLWTCSTTV...TSEIA	142
NTDB	id	1167	A1552VC	RS11065	WP	000649326.1	.FTRLGTVEDMCD.GKIVIAPTASGALGGTIKYTFDA...GVVSSSKIQRLARD.....ANGLWTCSTTV...TSEIA	142
NTDB	id	1160	ABDM36	RS02330	WP	000649326.1	.FTRLGTVEDMCD.GKIVIAPTASGALGGTIKYTFDA...GVVSSSKIQRLARD.....ANGLWTCSTTV...TSEIA	142
NTDB	id	1292	VP	RS12235	WP	005479693.1	..AQLGVDDVAANDLGAID....SALAGGSPTLTFTFD.ADSSIIGGITLFTTRD.....AATGWSCLPATA...PA.IA	134
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	KEVPLGVAADANKLGTTIALKPD.PADGTADITLFTTMGGAGPKNKGIITLRTA.....ADGLWKCTSDQ...DEQFI	144
NTDB	id	1038	HON27	RS01510	WP	000993725.1	...TAATSSVCATY.SID.AFT.ETDGAGKITCT.LKGN..PKIATKIHELRS.....TDGAWTCVSDV...PTEFL	132
NTDB	id	175299	AY071	RS25990	WP	041477820.1	...NVTTTNCALT.A...SGT.AADGAGTIVCT.LAN.APAPVLGKITILTRT.....AAGGWSCGTIV...APDYS	131
NTDB	id	1197	PSJM300	03940	AFN	76866.1	...YICGIDTSYSC.D...VDL.DTAADGHIECT.AKGGNAGKFVGKITLENR.....ADGEWSCASTL...DAKYK	134
NTDB	id	1204	PSJM300	03935	AFN	76865.1	...FIGIGASTNYC.T...VTLI.IATATGSITCT.TQNGMPDRFNKGKITIART.....TDGLWDCTSDL...DSRYK	136
NTDB	id	1191	AAC28468.1	484..945()			FDSANGLDGKYFAPG....GVTVPDTGAINIAFDAG....ANAGKMTITPTVIAASGQISTWTCAPGAANGIETRRL	148
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	VGV.QEISASNATTNV.A.TATCGASSAGQIIVTMDTT...KAKGANITLTP.TYAS..GAVTWKCITITS...DKKYV	141
NTDB	id	1258	GC085	RS09745	WP	014844212.1	SPAATPNV.Q.SIAIG..ANGVITITYTA....AAGGGTIMPTTLQAN..GDVWTCTGGT...LLAKYR	130
NTDB	id	1274	LPP	RS09530	WP	011214168.1	SPAATPNV.A.SIAIG..ANGVITITYTA....AAGGGTIVMPTTLQAN..GDVWTCTGGT...LLAKYR	130
consensus							* * * * * * * * * * * * * * ! * ! *	*

NTDB	id	1184	GTF74	RS02335	WP	000649326.1	PKGCTAGATIN.....	153
NTDB	id	1167	A1552VC	RS11065	WP	000649326.1	PKGCTAGATIN.....	153
NTDB	id	1160	ABDM36	RS02330	WP	000649326.1	PKGCTAGATIN.....	153
NTDB	id	1292	VP	RS12235	WP	005479693.1	VDGCS.....	139
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	PKGCSK.....	150
NTDB	id	1038	HON27	RS01510	WP	000993725.1	PKGCTAGTPTEGAITSL	149
NTDB	id	175299	AY071	RS25990	WP	041477820.1	PKGKNATGT.....	140
NTDB	id	1197	PSJM300	03940	AFN	76866.1	PGKCS.....	139
NTDB	id	1204	PSJM300	03935	AFN	76865.1	PGKCL.....	141
NTDB	id	1191	AAC28468.1	484..945()			PTSCQ*.....	153
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	PSECRG.....	147
NTDB	id	1258	GC085	RS09745	WP	014844212.1	PASCRP.....	136
NTDB	id	1274	LPP	RS09530	WP	011214168.1	PASCRP.....	136
consensus							* !	

 non conserved
 similar
 $\geq 50\%$ conserved