	10	20	30	40	50	60
GmTLP1	MALFSNHRHŠSEA	LLGFLLFLVF	RGVSV.SGATFTFV	NKCDYT <mark>VW</mark> PGIL.	GTPELGST <mark>G</mark> FE	∄ A €
GmTLP2	MASSTQ	FSTTI.VTI.CI. FO	FLAGS YSTTETTV	NKCSYT <mark>VWPG</mark> TLS	SGAGTSPLPTTGFV	1 0 5
GmTLP3	MSAGNSVFHLISIYRMAFVVTMATTCNVRMGNSTKMASIV	TMACIEE EO	FIGCS COTDITIT	MKCGVTVWDATI	ATCACDI CTCCEN	n c
GmTLP4						
		.SLSIFLFIAMS	CVAAA. QAANFNII	NNCIYIVWAAAVI	· · · · · · · · · · · · · · · · · · ·	I N 4
GmTLP5	MVYLALCS	LLTLAL	SLATT.HAANFEIV	NNCPYT <mark>VWAA</mark> ASI	'GG <mark>G</mark> RR	
GmTLP6	MSPFFSHHPLSPQR	FFIFLLILAF	RGVRV.SATTFTFV	NKCDHT <mark>VW</mark> P <mark>G</mark> IL.	GKPDIGTT <mark>G</mark> FE	ĽK €
GmTLP7	MPIVMTSWK	FPSFLAILFT	LLSYS.FSSIFTIT	NNCSHT <mark>IW</mark> P G TLS	SGAGSPPLPTT <mark>G</mark> FR	∐ D €
GmTLP8		YPFIFLSILI	SIPLT.GGTQLILV	NNCQES <mark>VW</mark> PGIL(3SGGHPTPKDG <mark>G</mark> FH	IC 5
GmTLP9	MDQLTL	AFPFLLTLHL	LVSGVVATTŠFTLV	NKCDYT <mark>VWPG</mark> ILS	SNAGIATLPTTGFV	1 0 5
GmTLP10	MPYR					
GmTLP11	MΛ	ETTVVEE IC	FIGG VCATIMUT	MKGGVT <mark>VW</mark> D <mark>M</mark> TIG	ZAADGI DVUTDAI V	 110 F
GmTLP11			LDGD. IGAILHVI	MUCDIIAMLHITT	MOOE	E G
·	MAGDII TATTI					
GmTLP13	MASPHIALLK	.LISIFIVIASA	PELCG.SSKIFILV	NYCKEIIWPGIII	(SDNHSGDGFA	LK 5
GmTLP14	MAALRK					
GmTLP15						
GmTLP16	MPTLRP	ILTTIFFLFT	VLKVS.ASSSVIFY	NKCPHP <mark>VW</mark> P <mark>G</mark> IQI	PSAGKPVLARG <mark>G</mark> FK	LA 5
GmTLP17	MDHLTL	AFPFLLTLHL	LASGVLATTTFTLV	NKCDYT <mark>VWPG</mark> ILS	SNAGIATLPTTGFV	I Q 5
GmTLP18				KAMWYI.T. GTI.S	GSGSPPLATTGFR	i
GmTLP19		SIFITIATE IC	FISCS VAAKERIS	MECISTUWPATVA	NS TSTTCFS	n F
GmTLP20	MARTS	CTIEVIVA EC	CITIT DOLOTIN	NMCCECUMDOTI	TC A COOTPED COME	- C
GmTLP21	MAMMGSMLLSLRP		VLKVS.ASSSVIFY	NKCUHPVWPGIQI	SAGKPVLARGGFK	I A
GmTLP22	MANPHIALLK					
GmTLP23	MSQLHG					■ N 1
GmTLP24	$\texttt{MV}\dots$					
GmTLP25		IFSLCLSFSL	LFYVA.QGATVTFT	NNCQYT <mark>VW</mark> PGTL7	rGDQNPQLSTT <mark>G</mark> FE	∐ A 5
GmTLP26	MTSNMQNSPLHLQNENYTYPTMTTT.	RVALCLLFAF	LFYAA.EGAKVSFN	NKCTYT <mark>VWPG</mark> TLI	GDOKPOLSTIGFE	$\mathbf{L}_{\mathbf{G}}$ 7
GmTLP27						
GmTLP28		TESTCISE SI	I EVVA OGATVTET	NNCOVTUWDCTI	CDUNDUI STICEE	1 A F
GmTLP29	MAPTMQNSPLHLQNEKYPTMTTT.		T VV A A ECARVEEN	MKCCATAMDCTI	COOKDOL CTTCEE	- C
· · · · · · · · · · · · · · · · · · ·	MARTINGNOSPEREQUEE					
GmTLP30						
GmTLP31	MAVTK	.SLSIFLFIAIS	CVAVA.QAANFNIT	NNCTYTVWA <mark>A</mark> AVI	?	LN 4
GmTLP32	MASSAQ	FSTTLVVLCLFQ	FLAGS.YSTTFTIV	NKCSYT <mark>VW</mark> P G IL1	IGAGTSPLSTT <mark>G</mark> FV	
GmTLP33	MALFSHHRHSYET	LLGFLLFLVF	REV.SGATFTFV	NKCDHT <mark>VW</mark> P <mark>G</mark> IL.	GAPQLGST <mark>G</mark> FE	LV 5
GmTLP34	MGRLLLF				SGATSPPLPTT <mark>G</mark> FT	LE 5
GmTLP35				<u> </u>	.	- .
GmTLP36	MARSL	FLCSLLIFAVTT	FSSPT.GALILTLV	NNCNYT <mark>VWPA</mark> IQI	PNAGHPVLAGGGLT	I R. 5
GmTLP37	MATSS	HYFTFFST I.V	SISIT DGTOLITY	NNCKES VWPGTI.	NGCHPSPKHCCFH	TG F
GmTLP38	MGRLLLF	TTTDGTVA TQ	EIGEN UGVGEKIN	NKCDHTTWDCII	CATODI DTTCET	
GmTLP39	MGLLASS.	CETITATI TI	TOKCH MCATETER	MKCDATAMEGEE	MACCODI DOTCE	D 5
GmTI.P40	MARSL	CFILIALLLL	TENGV.MGAIFIFF	MACHARAMPOTOL	INAGSPPLDSIGFE	P 5
GIII I I I I	MAKSL	FLCSLLILAVII	FSSPI.GALILILV	NNCNYIVWPGIQI	NAGHPVLAGGGLI	I K
GmTLP41	MA					
GmTLP42	MALHLQT					
GmTLP43	MALIPNSKT					
GmTLP44	MALIPNSKT				SGNGVATLGDG <mark>G</mark> FP	
GmTLP45	MALIPNSKT	PPLFHLLLFL	LGNVA.NATVFTLE	NHCSYT <mark>VWPG</mark> TLS	SGNSAAILGGGGFA	<u>Γ</u> Α 6
GmTLP46	MALHLQT					
GmTLP47	MPIVMTSWK					
GmTLP48	MDRPTLSS	TECETITI UI	CICCU TOTTETIV	MKCDVTVWDCTI	SMACUDDI CTTCI V	
	MEASS					
GmTLP49						
GmTLP50	MSPYHGHSSQR	FF1FLL1LAF	KGVKV.TATTFTFV	WKCDHTVWPGVL	GKPDIGTTGFE	<u> </u>
GmTLP51	MSASTHDQ	FAATLIFLFFSH	FLRGS.NSATFSIV	NKCSYP <mark>VW</mark> P G ILS	3GAGTAQLATT <mark>G</mark> FA	 □Q 6
GmTLP52	MALIPNSKT	SALFHLLLFL	LGNVA.YATVFTLE	NH <mark>C</mark> SYT <mark>VW</mark> P <mark>G</mark> TLS	3GNGAALLGEG <mark>G</mark> FA	L A 6
GmTLP53	MDRPTL.S	LFSFLLTLHL	SLSGV.ISTTFTLV	NKCEYT <mark>VW</mark> P <mark>G</mark> ILS	SNAGVPPLSTTGFV	I Q 5
GmTLP54	MDSMAPHC					
GmTLP55	MQLPKYI					

	70	90	00	100	110		120		120	140		
GmTLP1	KGGSRSFQAPTG.	WSGRFW <mark>GRT</mark> GCQFD	GI. ÖKGTC	ATADC <mark>Ö</mark> SGE	NCNGAGA.	. SPPATLA	FFTTGTG.	SMD	YŸDVSLVDG <mark>Y</mark>	NT PMMVV	A R	147
GmTLP2	PGESNVTAVPAA	WSGRLWGRTFCTQD	AT GKESC	VTGDCGSSAN	ECNGGGA	APPATLA	EFTINGA.	G GLD	FFDVSLVDGY	NIPMIVE	PΩ	146
GmTLP3	PCDEKIVPVPPA	WSGRLWGRTLCSLDI	TS TKESC	VTGDCGSTT	ECVEGNA	TPPVTIV	KETINGT	G GLD	EVEVSLVDGE	NIPVBVE	PR	178
GmTLP4	PEFSWNISVINCT	TRGRIWGRTNCTFD	NA CRCKC	TCDCE GVI	FCNKTC	TPPNTWV	DEALNOY	N NID	EVDISLVDGE	NVPIOIT	'РТ	135
GmTLP5		AMARIWGRTGCNFD										133
GmTLP6	PCCTPTEDCDDC	WSGRFWGRTGCQFD.	ng charc	ATCDCCCCCC	TTCNCACA	TDDATIA	FETTCEC	A DD	A A D T O T A D C A	NI DMMMD	1 L	148
GmTLP7	COMMENTANDO	WSGRIWARTGCTFD	AT CICKC	OTCDCC CPI	ECDCNCA	ADDTCI E	ETTICKC	N DOD	VVDVCMVDCV	NT DI TVO	DD	146
GmTLP8	CODEVVIEVDEC	WSGRIWGRQGCCFD7	CVCTC	ETCDCC CI	KCCCMCC	VDDATIV	EMTICTD	מאנ שו חמאנ שו	FYDVSLVDGF	MIDVGME	DV	144
GmTLP9	TOECUTUTADTO	WGGRFWGR <mark>T</mark> LCTQD	CA CVECC	I GODGGGGKI	ECACMAA	TDDATIA	EETIDOA	C CID	EEDAGI ADGA	MUDMIUA		145
	IGESKIVIAPIS.	Magring Include	SA. GAFS	TOGO CON	AVCTC CC	VDDVTI A	EFTICEC.	G . GLD.	EADASTADGA	NUAMCUD	. P Q	53
GmTLP10		GODI HODEL GOVN		UTODOTOGE	TROOM A	. VPPVILA.	EFTIGIG.	S . A Q D	T I D V S L V D G I	NVAMGVR	A1	
GmTLP11	PUDINILUVPPI.	WSGRLWGRTLCSYN WSGRIWARTGCNFD	. II. GSF IC	VIGUCISSI	ECGG. A.	. I APVILA.	EFILNGI.	G . GLD	Y P D V S L V D G P	NLPLVVE	PK	137
GmTLP12	NAKUV		NIN MINOR	I G . GKI	ECEGNGS.	. APPIBLE	ELILGAG.	IV . G Q D	Y Y D V S M V D G N	NLPLLAL	PK	60
GmTLP13	SGUSIVIIAPDG.	WSGRIWARIGONED.	NN.GNGKC		NGIVPG	. SPPAISA	DrillGE	PD	TUVSLVDGE	NLPIVVK	A1	141
GmTLP14	PGUSWSVDVPAGII	KG <mark>ARVWART</mark> GCNFD	GS.GRGGC	QIGDCG.GVI	DCKAYG	. APPNILA	EYGLNGF.	N . N L D	FFDISLVDGF	NVPMDFS	PI	135
GmTLP15	SGUSWALDVPAGTI	KG <mark>A</mark> RVW <mark>ART</mark> GCNFD	.GS.GRGGC	QTGDCG.GVL	DCKAYG	.TPPNTLA	YALNUF.	S.NLD	FFDISLVDGF	NVPMDFS	PT	133
GmTLP16		WSGRFWGRHGCAFD.										141
GmTLP17	TAESKTVTAPTS.	WGGRFWGR <mark>T</mark> LCTQD	SA.GKFSC	TTGDC <mark>G</mark> SGKL	ECAGSGA.	.TPPATLA	EFILDGA.	G . GLD	FFDVSLVDGY	NVAMLVA	.PQ	145
GmTLP18	TGUSIKLTTVPG.	WSGRIWARTGCTFD	AT.GVGKC	QTGDC <mark>G</mark> .GRI	ECUGNGA.	. APPT <mark>S</mark> LF	EITLGAG.	N . GQD	FYDVS <mark>M</mark> VDGY	NLPLLAL	PR	116
GmTLP19	PGKSYMVTMPTG.	.EV <mark>K</mark> VWAR <mark>T</mark> FCSYS	IA.GNFSC	FTGDCSSSN	DCRGGNAN	PKPPVTLA.	EFTLNGS.	Y . GL	YYKVSLREGF	NLPMSIE	PG	141
GmTLP20		WSGRIWGRQGCSFD.										143
GmTLP21	PNRAYSLQLPAL.	WSGRFW <mark>G</mark> RHGCSFD.	.AG.GRGRC	ATGDC <mark>G</mark> .GSI	FCNGIGG.	. SPPATLA	EFTLGNE.	Q <mark>D</mark> I	FYDVSLVDG <mark>Y</mark>	NLPISIT	PF	149
GmTLP22	SGQTTVYTAPDG.	WSGRIWARTGCDFD.	.NN. <mark>G</mark> NGK <mark>C</mark>	K <mark>TG</mark> GC <mark>G</mark> .TS	NCTGPG	. SPPATSA	DFTLGE	P <mark>D</mark> I	FY <u>D</u> VSLVDG <mark>F</mark>	NLPIVVK	AI	142
GmTLP23	AQQTHM	WSGRIWARTGCDFD	<u>.</u> .GNS	LVPLVTVDQ	IKCHASWW.	. NPPV <mark>S</mark> LV	EFTLASN.	K.GQ <mark>D</mark> I	FY <mark>V</mark> VSLVDG <mark>F</mark>	NLPVLVT	'PQ	78
GmTLP24	<u></u>	<u>RHGC</u> IFD	.SS. <mark>G</mark> SGTC	I <mark>TGDC<mark>G</mark>.GK<mark>I</mark></mark>	KCDGVGG.	. APPA <mark>S</mark> LA	EFT <mark>L</mark> DSQ	EG <mark>D</mark> I	<mark>F</mark> YDVS <u>L</u> VDG <mark>Y</mark>	NLPVSIF	'PT	68
GmTLP25	PGGTNSVNIPSP.	WSGRFWARTGCSNN.	<mark>G</mark> GFT <mark>C</mark>	DTGDCASGQN	ECNGAGA.	.IPPATLV	EIIVAPN.	G . G Q D 🛭	YDVSNVDGF	NVPVSIT	'PQ	140
GmTLP26		W <mark>SGRFWART</mark> GCSNN.										162
GmTLP27	P <mark>G</mark> ASNSVDLPSP.	W <mark>SGRFWART</mark> GCSNN.	N. <mark>G</mark> RFSC	A <mark>TADCA</mark> SGQ <mark>N</mark>	ACNGAGA.	.IPPATLV	EIT <mark>V</mark> AAN	G . GQ <mark>D</mark> I	FYDVS <mark>N</mark> VDG <mark>F</mark>	NVPMSVT	'PQ	141
GmTLP28	P <mark>G</mark> GTNSVNIPSP.	W <mark>SGRFWART</mark> GCSNN.	<mark>G</mark> GFT <mark>C</mark>	D <mark>TGDC</mark> ASGQ <mark>N</mark>	/ECNGAGA.	.IPPATLV	EIT <mark>V</mark> APN	G . GQ <mark>D</mark> I	FYDVS <mark>N</mark> VDG <mark>F</mark>	NVPVSIT	'PQ	140
GmTLP29	PGASNSVDLPSP.	W <mark>SGR</mark> FW <mark>A</mark> R <mark>T</mark> GCSNN.	N. <mark>G</mark> RFSC	A <mark>TADCA</mark> SGQ <mark>N</mark>	ACNGAGA.	.IPPATLV	EI <mark>TV</mark> AAN	G . G Q D 🛭	FYDVS <mark>N</mark> VDG <mark>F</mark>	NVPMSVT	'PQ	160
GmTLP30	RDTYEIFNMDDH.	<mark>Y</mark> SGSIW <mark>V</mark> R <mark>T</mark> GCSTN.	$AS.\underline{N}YFSC$	E <mark>TGDC</mark> NGI <mark>N</mark>	<mark>1</mark> ECAGLNP.	.SFPITQL	NFV <mark>V</mark> NN	PI <u>V</u> S	SY <mark>E</mark> VSLKHGQ	NMLVRIK	PN	137
GmTLP31		TGGRIW <mark>G</mark> R <mark>T</mark> NCTFD.										135
GmTLP32		WSGRLWGRTVCTQD.										146
GmTLP33	K <mark>G</mark> GSKSFQAPTG.	<mark>W</mark> SGRF <mark>WGRT</mark> GCQFD.	.GS. <mark>G</mark> KGT <mark>C</mark>	A <mark>TADCG</mark> SGE <mark>N</mark>	INCNGAGA.	.SPPATLA	EFTLGNG	SM <mark>D</mark>	<mark>Y</mark> YDVSLVDG <mark>Y</mark>	NLPMMVV	AR	145
GmTLP34	S <mark>G</mark> KSRIVKIPKS.	WSGRIWAR <mark>T</mark> LCGQD.	SD. <mark>G</mark> KFS <mark>C</mark>	A <mark>TADCG</mark> SGK <mark>N</mark>	<mark>/</mark> QCVG.GA.	.KPPATLA	EF <mark>TL</mark> NGA	D.GL <mark>D</mark> I	<mark>F</mark> YDVSLVDG <mark>Y</mark>	NLPMLIV	AK	144
GmTLP35												0
GmTLP36		W <mark>sgr</mark> vw <mark>ar</mark> tgcays.										145
GmTLP37		<mark>W</mark> SGRIW <mark>G</mark> RQGCCFD(148
GmTLP38	S <mark>G</mark> KSRTIKIPKS.	W <mark>SGRIWAR</mark> TLCGQD.	SD. <mark>G</mark> KFSC	A <mark>TADCG</mark> SGK <mark>N</mark>	/ECVG.GA.	.KPPATLA	EFTLNGA	D . GL <mark>D</mark> I	<mark>F</mark> YDVSLVDG <mark>Y</mark>	NLPMLIV	AK	144
GmTLP39	KDTSRAFQAPTG.	W <mark>SGRFWGRT</mark> GCTFD.	.GS. <mark>G</mark> AGS <mark>C</mark>	L <mark>TGDC</mark> GSGQ <mark>I</mark>	ECNGAGA.	. APPATLA	EFT <mark>L</mark> GTG	GQ <mark>D</mark> I	<mark>F</mark> YDVSLVDG <mark>Y</mark>	NLPMIVE	GT	144
GmTLP40	SLTHQSIPVPDAH	W <mark>SGRVWART</mark> GCSYS.	.GT. <mark>A</mark> .FS <mark>C</mark>	A <mark>SGDC<mark>G</mark>.GR<mark>I</mark></mark>	QCNGAGG.	. AAPATLA	Q LE <mark>V</mark> HHG	SNDYAS	SY <mark>G</mark> VSLVDG <mark>F</mark>	N <mark>V</mark> PMTFT	'РН	145
GmTLP41	P <mark>G</mark> KAINITAPKG.	W <mark>SGRIW<mark>G</mark>RRGCTFH.</mark>	SY. <mark>G</mark> SGT <mark>C</mark>	I <mark>TGDC<mark>G</mark>.GK<mark>I</mark></mark>	KCDGVGG.	. APPA <mark>S</mark> LAI	EFTLDSQ	EGG	FYDVSLV <mark>N</mark> GY	NLPVSIF	ΈΤ	138
GmTLP42	P <mark>G</mark> ESAVFTAPVS.	W <mark>SGRIWAR</mark> TGCKFD.	.QN. <mark>G</mark> NGN <mark>C</mark>	Q <mark>TGSCG</mark> .TT <mark>I</mark>	KCSASG	.KTPA <mark>S</mark> LA	EFTLAQ	P <mark>D</mark> I	FYDVSLVDG <mark>F</mark>	NVPMAVK	PI	141
GmTLP43	P <mark>G</mark> SSVQLTAPSG.	WSGRLWPRTGCNFD.	. AS . GNGKC	L <mark>TGYCA</mark> .GG <mark>N</mark>	IRCTG.GG.	.VPPATLA	EFTIGS	G . GK <mark>D</mark> 1	<mark>F</mark> YDVSLVDG <mark>Y</mark>	NVGVGVR	ΑΤ	144
GmTLP44	P <mark>G</mark> SSAQLTAPSG.	WSGRLW <mark>ART</mark> GCSFD.	.AS. <mark>G</mark> NGK <mark>C</mark>	L <mark>TGDCA</mark> .GG <mark>N</mark>	IRCTG. AG.	.VPPATLA	EFT <mark>V</mark> GSAGI	(GG.GK <mark>D</mark>)	<mark>F</mark> YDVSLVDG <mark>Y</mark>	NVGVGVR	ΑΤ	148
GmTLP45	P <mark>G</mark> SAVRLIAPAG.	WSGRFWAR <mark>T</mark> GCRFD.	.GS. <mark>G</mark> AGK <mark>C</mark>	T <mark>TGDC</mark> A.GG <mark>I</mark>	RCTG.SG.	.VPPVTLA	EFTIGSASI	I.G.NK <mark>D</mark> I	<mark>F</mark> YDVSLVDG <mark>Y</mark>	NVGMGVR	ΑΑ	147
GmTLP46	PGQSTVFTAPVS.	WSGRIW <mark>ART</mark> GCKFN	QN.GNGNC	QTGSC <mark>G</mark> .TT <mark>I</mark>	KCSASG	.KTPASLA	EFTLAQ	V <mark>D</mark> '	YYDVSLVDG <mark>F</mark>	NVPLFVK	PI	141
GmTLP47	SGQMIKLTSVPG.	WSGRIWARTGCTFD.	AT.GIGKC	QTGDC <mark>G</mark> .GKI	ECDGNGA.	. APPTSLF	EITLGKG.	N.DQD	YYDVS <mark>M</mark> VDG <mark>Y</mark>	NLPLLAQ	PR	146
GmTLP48	TGASTTIAAPAS.	WGGRFWGRTLCSED.	ST. <mark>G</mark> KFSC	V <mark>TGDCG</mark> SGK <mark>I</mark>	ECSGNGA.	.APPATLA	EFTLDGA	G.GL <mark>D</mark> I	FFDVSLVDGY	NVPMLVV	PQ	146
GmTLP49	SKASSTIDVTAP.	WGGRFWGRTLCSED WSGRFWAKSQCSTD	TY. <mark>G</mark> KFTC	A <mark>TGDC</mark> GSGQ <mark>1</mark>	PCNGNGG.	.TPPVSLV	EFTLASN.	K.GQ <mark>D</mark>	FYDVSLVDG <mark>F</mark>	NLPVLVI	AQ	142
GmTLP50	RGSTRSFDAPPG.	WSGRFW <mark>GRT</mark> GCEFD.	DS.GHATC	ATGDC <mark>G</mark> SGQ <mark>N</mark>	INCNGAGA.	.TPPATLA	EFTLGEG	AP <mark>D</mark>	YYDVSLVDG <mark>y</mark>	NLPMMVD	AS	145
GmTLP51	PGQSNAVAVPTA.	WSGRLWGRTLCSTD	SA.GKFSC	VTGDC <mark>G</mark> SSA <mark>T</mark>	ECGGGGA.	.VPPATLA	EFTLNGA.	G.GL <mark>D</mark>	FYDVS <mark>V</mark> VDG <mark>Y</mark>	NLPMLVE	AR	148
GmTLP52	PGSAVQLTAPAG.	<mark>W</mark> SGRLW <mark>G</mark> R <mark>T</mark> LCSTD . WSGRFWAR <mark>T</mark> GCSFD .	AS.GSGKC	VTGDC <mark>G</mark> .SGI	KCSG.GG.	.VPPATLA	EFTL GSASI	I.G.NKD	FYDVSLVDGY	NVGMGVR	АТ	147
GmTLP53	TGASTTIAAPAS	WGGRFWGRTLCSQD	STSCKFSC	VTGDC <mark>G</mark> SGK	ECSGNGA	. APPATLA	EFTLDGA	G.GLD	FFDVSLVDGY	NVPMLVV	PQ	146
GmTLP54	PGGSQSFHAPPS	WSGRFWGRTGCNFD	PNT.QQGSC	TTGDC <mark>G</mark> SNO	OCNGGGA.	.SPPATLV	EFTIGSG.	TQD	FYDVSLVDGY	NLPLIVD	PN	147
GmTLP55	PGQTQRVIAPWT.	W <mark>SGRFWGRT</mark> GCNFDI WNGRIWARTGCNFA	SN.WKPAC	ETGDCD, GR	ACNGLIG.	.TPPATLV	EVSLOGR.	NPN	FYDVSLVDGY	NIPVSVT	'PK	148
	4 - 4			2		· · · · · · · · · · · · · · · · · · ·	4 0.20			~		

SCHIPS GOS. SUBTATO NO. 1. REGION NO. 1. SEC.		150		160		170			180	190	200		210	220	23(1
GRILPS GG. REALTIC GALLY SETTING GROUND AND ASSETT OF THE CONTROL OF THE CARRY OF T	GmTI.P1	GGŠ GS	SCGATG	CGEDI	V R.R.CI	SETR	VEGGD	A C	OSAC	GAFGKPEY	CONGAFSNPŠ.	TCKPSM	YSOM <u>FK</u>	STCPKAYSY	AYDDA T STË	230
GRILPS GG. RANKERTGERN . SSTEEL		GGTG AGI	VCTATG	CVVDI	TPCI	AFIM	VMSSGE	GVAC	KSACE	EAFDDPOY	CSGAYATPD	TCKPSS	YSOFFK	SACPRAYSY	AYDDGSSTF	234
GETLPE OS GO GERES SAR I. GO GERES PR. APG CRIPE TV KINE COTROGO. SCILINES FROM BIDSTYPOLD STF 209 GETLPT GVYG TO HATG CALL MER ABE M. DOGOD. MOSGO CHE OFFE COSANANSA. AS ALVINGITAR ABE MINISTER AND STATE AND STATE AS A SECONDARY OF THE COSANANS AND STATE AN		CC RI	VERATC	CEMDI	ISCI	TFIK	VI RDCD	ΔΛΑ	KSSCC		b dillill b.	FPCI	TSOFFK	TACPGAHVH		236
GETLPE OS GO GERES SAR I. GO GERES PR. APG CRIPE TV KINE COTROGO. SCILINES FROM BIDSTYPOLD STF 209 GETLPT GVYG TO HATG CALL MER ABE M. DOGOD. MOSGO CHE OFFE COSANANSA. AS ALVINGITAR ABE MINISTER AND STATE AND STATE AS A SECONDARY OF THE COSANANS AND STATE AN		V1	VICSSVK	$C \triangle A D T$	T GECI	TOIN	VPC		NNPCT	CALULTA	CCSTCAA	CCCPTD	VSKEEK	FRCPDAVSV	PMDDATSMF	
CETLPF GOS. GA GARTOC GOT RECORDED LONG SERVER OF SUGGEST STATES AND SERVER SER		N G	TARIC	CGADT	T COCI	CDIR	APC		NNDCT	CALKLMEA	CTNCOC	SCCPTM	VSBEEK	DRCHDSVSV	PODDPTSTE	
CATLPS GVC .TOV GNATO CYTE . R.GG RED . VGGDAYDDOV CRS C EN GSD. CESCETART. TO GLYVET LEGASKANSTAPDLA TF 238 CATLPS GGC . IC GVCAAGEANI. VGGPAAV K. R.GCK. VVGGS C LAKSRO CTECHART TO GLYVET LEGASKANSTAPDLA TF 238 GATLPS GGG . ON TSTG VGT . GAS FR. TSVDGKU. SV 268 G STGSPO. CSCAYGST. TEGASKANSTAPDLA TF 234 GATLPS GGG . ON TSTG VGT . GAS FR. TSVDGKU. SV 268 G STGSPO. CSCAYGST. TEGASKANSTAPDLA TF 234 GATLPS GGG . ON TSTG VGT . GAS FR. TSVDGKU. SV 268 G STGSPO. CSCAYGST. TEGASKANSTAPDLA TF 234 GATLPS GGG . ON TSTG VGT . GAS FREW . LEGGS . VV 268 G STGSPO. CSCAYGST. TEGASKANSTAPDLA TG 240 GATLPS GGG . ON TSTG VGT . GAS FREW . LEGGS . VV 268 G STGSPO. CSCAYGST. TEGASKANSTAPDLA TG 240 GATLPS GGG . ON TSTG VGT . GAS FREW . LEGGS . VV 268 G STGSPO. CSCAYGST. TG 750 GATLPS GGG . ON TSTG VGT . GAS FREW . LEGGS . VV 268 G ST XSF VIEW. CT		CCS	ACAATC	CCADI	T DDCI	AFID	MDCCD			VICKDEE	CCCCAENCDA	VCVDCW	VOULER	VVCDRGAGA	VEDDVISIL VEDDVISIL	
GATLPP GGG . 10 GVYA GEAR		CVVC TC	ICNATO	CVTDT	D C CI	A E L O	WACCD A AUDIO		T C A C E	CALCADOV	CCCCEEANDT	TCODGV	A G LI LA A G LI LA	OACDKAVCV	AFDDATSIF	
CATLP19 GCSG. DNTSTG CVG 1 GAGESE R. TSYDCKG, SV KKS CANGSPG CSGAYGSFT TGGE GVGSTF AGAGEST 1940 GATLP11 SAIG AEN GRATG RAIN. KKG VPG 1. TAEGGS IN VKS CANARA GCGTGSTT. TGGE GVGSTF SAG SAKAN MYBERT 140 GATLP11 SAIG AEN GRATG RAIN. KKG VPG 1. TAEGGS IN VKS CANARA GCGTGSTGT TGGE GVGSTF SAG SAKAN MYBERT 140 GATLP11 SAIG AEN GRATG RAIN. KKG VPG 1. TAEGGS IN VKS CANARA GCGTGSTGT TGGE GVGSTF SAG SAKAN MYBERT 140 GATLP13 KGT. GNGSTVG GCG R. UNG SS LA. SK DUDK. VI RES DV NTDE GRETYGRA AT THE AGAES SAMA PGG GTGT 144 GATLP13 KGT. GNGSTVG GCG R. UNG SS LA. SK DUDK. VI RES DV NTDE GRETYGRA AT TAEA KINSKIF GVG AANS JAD JE SLI 227 GATLP14 SK. GCTRGT SAG JA GCG SS LA. TGG GC																
CHIPTI SILL ARDWARD TO N. CKETTE Q. TARGES IV KES & ANABE CTCEYSTPQ.TGET QUEETESS. SANSTAYUNE STC 208 GRIPTI SILL ARDWARD TID N. RECERT Q. LIGHDANQ, VVERSE CT. S. SINSIL SHEET TO CAMBRINE. S. F. 208 GRIPTI SOT. GROSS YVERSE CT. S.		CCCC DI	TOTOTO	CUCDI		CELD	Mr	. V V G C	K C A C E	THANSDAI	CCCAVCODT	TCVDCD	VOUTEN	MACDRAYOV	AVDDUTGER	
GETLP11 SAIG. ARNGRATGERS I. KKEFVELO. ILKEGEG VV CRES CEVIE. P.C. SINSILE SHELT RECOLVIEWS SYSTEDIC SCENERAL CONTROL OF STATES. CONTROL OF STATES OF STATES. P. S.		CCT CI	TCOVAC	CVTDT	I CKCI	DEL N	WINECCO	T WAC	K C A C A	AFGSFQI	COTCEVETOO	TCKPTO	A GETEN I DATEV	CACDCAVCV	AVDDATETC	
GATLP13 OFT GAMESTYCE DOE AS NOT A CONTROL BURGERIA GROUP OF THE CREATER AND A CONTROL OF THE CREATER A		CATC AE	UALIAC		V. GACI	TELU	WINEGES	. IVA	K C C C E	AAFNAAEF	IGEIDIPU.	TOVETA	LCHEIN IDETLV	TROPRATEI	AIDDAISIC	
GATTLP18 NOT. GNESTYGEDGER. QNGSERL. SK. DNDK. VI. RES. COVENTEE GREYCHA. TGLAR WELL TOUGHAYS HADDE SLI 227 GATTLP18 SN. GCTRGISTAD GOGSERL TGG. GNESTY WEND GORSG. SCGI DYSER KORGEDAYSYRODE STF 208 GATTLP18 SN. GCTRGISTAD GOGSERL TGG. WEND TWEND GORSG. SCGI DYSER KORGEDAYSYRODE STF 208 GATTLP18 SN. GCTRGISTAD GOGSERL TGG. WEND TWEND GORSG. SCGI DYSER KORGEDAYSYRODE STF 208 GATTLP18 SN. GCTRGISTAD GOGSERL TOUGH WEND WEND GORSG. SCGI DYSER KORGEDAYSYRODE STF 208 GATTLP18 SN. GCTRGISTAD GOGSERL TOUGH WEND GORSG. SCGI DYSER KORGEDAYSYRODE STF 208 GATTLP18 GOSG. DNETSTG AGG N. GAG SEGI N. THEOLOGY WEND GOSG SCGI SCRIPT GORSG. SCGI DYSER KORGEDAYSYRODE STF 208 GATTLP18 GOSG. DNETSTG AGG N. GAG SEGI N. GAG SEGI N. THEOLOGY WENS GENES GOSG SCGI SCRIPT. TOUGH STRING FRANSK DEVELOPMENT OF THE STRING FRANSK DEVELOPMENT OF TH		SAIGAEI	NORAIG	CTTDT	N KKCI	V EL Q	VIKEGEG	. V V G	N D D C L	Y TEVT DVV	PU .	TONDON	V C T T E V	I N CP D C V C V	A E D D C T C T E	
CHILP15 SN. CCTRGISCTAD N. QCGSSGK TQG. CNNPCTVKTDQ CGNSG. SCOP DVSRFFQGRFDAYSYRDDP STF 200 CHILP16 KGS. GKGSYAGOND N. THGO VGGQ. RSBADNKR VV GKS CSKNSKK CCTGSYGSP, A&KP. VVSKIFTAGFANYSYAYDDP STF 200 CHILP17 KGS. GNSTG CADD N. CCGS CNCSC TSSCGAVGSPN. TKGP CSGAYGSPN. TKGP PANYSYAYDDP STF 200 CHILP18 GYG. DNCSTG CADD N. ACGSEE TSEDGGQ. SV GKS CSKNSKK CCTGSYGSPN. TKGP PANYSYAYDDF STF 200 CHILP19 GSGSTG GRDD N. CCGSABE. TSEDGGQ. SV GKS CSKNSKK CCTGSYGSPN. TKGP PANYSYAYDDF STF 200 CHILP19 GSGSTG GRDD N. CCGSABE. K. KNGK. VV GKS CAMCSPN. TKGP SCAYGSPN. TKGP PANYSYAYDDG STF 200 CHILP20 GGG. CNCGCVAS CVD N. CCGSABE. K. KNGK. VV GKS CAMCSPN. TKGP CGSYGSPP, TKGP LAHLFAATGFANYSYAYDDG STF 200 CHILP21 GSGSTG GRDD N. THG VGG RSBADKR VV GKS CAMCSPN. TKGP CGSYGSPP, AKP YANYSYAYDDS SLN. 229 CHILP22 GGG. NGTTSTSP N. THG VGG RSBADKR VV GKS CAMCSPN. TKGP CGSYGSPP, AKP YANYSYAYDDS SLN. 229 CHILP21 GGG. KGSTGGCD N. THG VGG RSBADKR VV GKS CAMCSPN. TKGP CGSYGSPP, AKP YANYSYAYDDS SLN. 229 CHILP22 GGG. RGTGGAP. TKGP TAN THE TAGATGFANYSYAYDDS SLN. 229 CHILP22 GGG. RGTGGAP. TKYP TSPS TKGSGGS. VI GKS CAMCSPN. TKGP CGSYGSPP, AKP YANYSYAYDDS SLN. 229 CHILP23 GGG. RGTGGAP. TKYP TSPS TKGSGGS. VI GKS CAMCSPN. TKGP TAGATGFANYSYAYDD SLN. 229 CHILP27 GGS. RGCANTSSPS TKGSGGS VI GKS CAMCSPN. TKGP SCAYGAPP. TLAN NSKIFAQV GFANYSYAYDD SLN. 229 CHILP27 GGS. RGCANTSSPS TKM. DVNNC SEIG. KGSGGN VI GKS CAMCSPN. TKGP SCAYGAPP. TLAN NSKIFAQV GFANYSYAYDD STF 156 CHILP28 GGS. RGCANTSSPS TKM. DVNNC SEIG. KGSGGN VI GKS CAMCSPN. TKGP SCAYGAPP. TLAN NSKIFAQV GFANYSYAYDD STF 156 CHILP28 GGS. RGCANTSSPS TKM. DVNNC SEIG. KGSGGN VI GKS CAMCSPN. TKGP SCAYGAPP. TKGP GFANYSYAYDD STF 229 CHILP28 GGS. RGCANTSSPS TKM. SVCABO, KGSGGN VI GKS CAMCSPN. TKGP SCAYGAPP. TKGP GANYSYAYDD STF 229 CHILP28 GGS. RGCANTSSPS TKM. SVCABO, KGSGGN VI GKS CAMCSPN. TKGP SCAYGAPP. TKGP GANYSYAYDD STF 229 CHILP28 GGS. RGCANTSSPS TKM. SVCABO, KGSGGN VI GKS CAMCSPN. TKGP SCAYGAPP. TKGP GANYSYAYDD STF 229 CHILP28 GGS. RGCANTSSPS TKM. SVCABO, KGSGGN VI GKS CAMCSPN. TKGP SCAYGAPP. TKGP GANYSYAYDD STF		MOT CI	V C IV A I G		N RGCI	CEL V	. LGGTUNUQ	. V V G	DCACE	CALVIDVI	TODOTTONDA	TOTAGN	ACKIEN	OVERANCE	ALDDDTCLT	
CHILLES SN. GCTRGTR TAD N. GGC SG K. TOG CHIP TVEKTOG GNSG. SV P. D. SRF GRE DAYSYKOP STE 208 CHILLES GNES GRESYAG VSD. THO VGG G. RASDNER VV. CAS. SNSKK GCTGSYGSPQ. AKEV VSKIFTAG FANNYAYDDE STE 229 CHILLES GNG. D. ONGTSTO ACD N. GGC SEE T. TSEDGKQ. SV GKS C. GRESPG GCSGAYGSPN. TK. VSKIFTAG FANNYAYDDE STE 234 CHILLES GNG. D. ONGTSTO ACD N. GGC SEE G. LEGDGNGR. VV. CAS. S. EM KTDK GC SGAYGSPN. TK. VSKIFTAG FANNYAYDDE STE 234 CHILLES GGG. VGCGAS EVD. VCC SA EE K. R. NGK. VV. CAS. S. EM KTDK GC TGSYSDPK. TK. S. L. SEFSTTKE FANDH. GSF 205 CHILLES GGG. VGCGAS EVD. VCC SA EE K. R. NGK. VV. CAS. S. L. MOSAK GC TGSYSDPK. TK. S. L. SEFSTTKE FANDH. GSF 205 CHILLES GGG. VGCGAS EVD. VCC SA EE K. R. NGK. VV. CAS. S. L. MOSAK GC TGSYSDPK. TK. S. L. SEFSTTKE FANDH. GSF 205 CHILLES GGG. VGCGAS EVD. THO VGC G. RASDNER. VV. CAS. S. SINSPR CT GTSYSDPK. TK. S. L. SEFSTTKE FANDH. GTSY 205 CHILLES GGG. VGCGAS EVD. THO VGC G. RASDNER. VV. CAS. S. SINSPR CT GTSYSDPK. TK. S. L. SEFSTTKE FANDH. GTSY 205 CHILLES GGG. VGCGAS EVD. THO VGC G. RASDNER. VV. CAS. S. SINSPR CT GTSYSDPK. TK. S. L. SEFSTTKE FANDH. GTSY 205 CHILLES GGG. ROCATTS SPS D. K. VV. PSFS. K. GSDGS. VI. GKS. C. LINDER CT GTSYSDPK. TK. S. R. NINKLE FANDY AVD DE SLIT. 228 CHILLES GGG. ROCATTS SPS D. K. VV. PSFS. K. GSDGS. VI. GKS. C. LINDER CT GTSYSDPK. TK. S. S. SKYLFARS GANYAY DER STF 165 CHILLES GGG. ROCATTS SPS D. K. VV. PSFS. K. GSDGN. VI. GKS. C. LINDER CT GTSYSDPK. TK. S. S. SKYLFARS GANYAY DEA STF 165 CHILLES GGG. GG. TGS GF KIN. S. VC. AE G. KGSDGN. VI. GKS. C. B. KEDR. CT GTSYSDPK. TK. S. S. SKYLFARS GANYAY DEA STF 129 CHILLES GGG. GG. TGS GF KIN. S. VC. AE G. KGSDGN. VI. GKS. C. B. KEDR. CT GTSYSDPK. TK. S. S. SKYLFARS GANYAY DEA STF 129 CHILLES GGG. GG. TGS GF KIN. S. VC. AE G. KGSDGN. VI. GKS. C. B. KEDR. CT GTSYSDPK. TK. S. S. SKYLFARS GANYAY DEA STF 129 CHILLES GGG. GG. TGS GF KIN. S. VC. AE G. KGSDGN. VI. GKS. C. B. KEDR. CT GTSYSDPK. TK. S. S. SKYLFARS GANYAY DEA STF 129 CHILLES GGG. GG. TGS GF KIN. S. VC. AE G. KGSDGN. VI. GKS. C. B. KEDR. CT GTSYSDPK.		NGIGI	DIVG	CTADI		SELA	SK.DNDK	. VIAC	NNDCT	CALKEDOA	CRGIIGNPA.	CCCDTD	ACDEEN	ODCDDAYCY	ALDUPT SET	
GMITLP16 KGS. GKGSYAGGVSDTMGFVGLQRSRDNKR. VV. GKS. GEMSKPY COTGSYGSPQ. ACK VV. KILKTAGKAKSYAYDDK SIA 229 GMITLP18 GVYG. DAGNSIGGITDI .RGGFKELQGGFKE		SNG	TENGIN		1 G Q C I	SELK	IUG		NNPCI		NOG	GOVERN	YODEEN	QRCPDAYSY	PKDDPTSIF	
CMITLP18 GGSG . DNNTGSTG . GAGESE R. TSEDGKQ. SV GKS C E GSPQ C SCAYGSPN. TO KEPY SI KNAC RASSAYDDK STF 234 CMITLP19 . GSCNSTG GRD . QKGTT K. ILIDGGD . VV GSL C HE	GMILPI5	SNG	JIKGIK	CVADI	V. GUCL	SULK	I Ų G		NNPCI	IVFKIDUY	NSG	ACKPID	YOUTEN	UKCPDAYSY	AVDDDDTGTA	
CMTLP18 GVYG. DARNSTCGTD N. RGGERED. LIGODDNOR. VVG GS. C. RTDK, CGSGAFAPPN. TGQEYYSTIF KARPRAYSYAFDG STF 206 CMTLP20 GGG. VG CVASCEVD N. VCCGSALE. VK. NILOGD. VVG CQSC Q. RTDK. ST. VCSC L. ST. VCSC	GMILPIO	KGSGI	ACSYAG		V I MCI	VGLU	VKSKDNKK.	. V V A C	KSACE	AFNSPKY	CIGSIGSPŲ.	ACKPIV	YSKIFK	HACPKAYSY	AYDDYTSIA	
GMTLP20 GGG .VG GVASCEVD N VCCPSALE . KR NKC VV GVS CS LMESK CCTGSYSDPK . TKEP LIFE MAICEKAYSAM DISSIN 229 GMTLP21 KGS . GK SYAGCYSD N .TKCPVG O . KRSDNKR .VV GKS CS ENSPRICATGYSYSPPK . TKEP LIFE MAICEKAYSAM DISSIN 229 GMTLP22 KGS . GK SYAGCYSD N .TKCPVG O . KRSDNKR .VV GKS CS ENSPRICATGYSYSPPK . TKEP LIFE MAICEKAYSAM DISSIN 229 GMTLP23 GGT . CNG SYVGCGOG R . QRCPSEL . SK .DRNK . VI GKS CS ENSPRICATGYSYSPPK . TKEP LIFE MAICEKAYSAM DISSIN 229 GMTLP23 GGL		GGSGDI	NCISIG	CAGDL	I. GACI	SELK	VISEDGKŲ.	. SVAC	RSACE	LAFGSPUY	CSGAYGSPN.	TOODGY	YOUTEN	NACPRAYSY	AFDDATSIF	
GMTLP20 GGG . VCGGVAS_EVDI . VCGRSABE . K. RNGK . VVG GKS CS LNGSAKYCTGSYSDPK. TERE LE HLERAI GRAYSYAYDDS SEIN 229 GMTLP21 KGS . CKG SYACCVSD I . TMGFVCQ . RASRONKR. VVG GKS CS LNGSARYCTGSYGSPP, ACKF VVK IRTAG CRAYSYAYDD PEIN 237 GMTLP22 NGT . CNC STVGCDCD R . QNGSEBA . SK. DNDK . VI CRS CD VENTDD CRGTYGNPA . TGLA NYSKIRKQVG AAYSEALDD PEIN 228 GMTLP23 GGL . RGC GNTTSSPD V. KVYP PSFS . KCSDCS . VI CKS CD LNDYC CTGFYASDA . KCPF PSF II KNNCP GANSYAYDD ART TF 165 GMTLP24 GGS . GC GTTSSCPD N. KVYP PSFS . KCSDCS . VI CKS CD LNDYC CTGFYASDA . KCPF PSF II KNNCP GANSYAYDD ART TF 165 GMTLP24 GGS . GC GTTSSCPN DVNVCPSEQ . KCSDCN . VI CKS CD LNDYC CRGDYDTEE . TCP NYSQ IEEECO PDAYSYAYDD ART TF 164 GMTLP25 GGS . GC GTTSSCPN DVNVCPSEQ . KCSDCN . VI CKS CE EKEDR CCTGFNNTAE . TCP NYSQ IEEECO PDAYSYAYDD ART TF 229 GMTLP26 GGS . GC GTTSSCPN S. SVCPAEQ . KCSDCN . VI CKS CE EKEDR CCTGFNNTAE . TCP NYSQ IEECCO PANSYAYDD ART TF 229 GMTLP27 GGS . GC GTTSSCPN S. SVCPAEQ . KCSDCN . VI CKS CE EKEDR CCTGFNNTAE . TCP NYSQ IEECCO PANSYAYDD ART TF 229 GMTLP28 GGS . GC GTTSSCPN S. SVCPAEQ . KCSDCN . VI CKS CE EKEDR CCTGFNNTAE . TCP NYSQ IEECCO PANSYAYDD ARS TF 229 GMTLP29 GGS . GC GTTSSCPN S. SVCPAEQ . KCSDCN . VI CKS CE EKEDR CCTGFNNTAE . TCP NYSQ IEECCO PANSYAYDD ARS TF 229 GMTLP29 GGS . GC GTTSSCPN S. SVCPAEQ . KCSDCN . VI CKS CE EKEDR CCTGFNNTAE . TCP NYSQ IEECCO PANSYAYDD ARS TF 229 GMTLP28 GGS . GC GTTSSCPN S. SVCPAEQ . KCSDCN . VI CKS CE EKEDR CCTGFNNTAE . TCP NYSQ IEECCO PANSYAYDD ARS TF 229 GMTLP28 GGS . GC GTTSSCPN S. SVCPAEQ . KCSDCN . VI CKS CE EKEDR CCTGFNNTAE . TCP NYSQ IEECCO PANSYAYDD ARS TF 229 GMTLP28 GGS . GC GTTSSCPN S. SVCPAEQ . KCSDCN . VI CKS CE EKEDR CCTGFNNTAE . TCP NYSQ IEECCO PANSYAYDD ARS TF 229 GMTLP20 GGS . GC GTTSSCPN S. SVCPAEQ . KCSDCN . VI CKS CE EKEDR CCTGFNNTAE . TCP NYSQ IEECCO PANSYAYDD ARS TF 224 GMTLP20 GGS . GC GTTSSCPN S. SVCPAEQ . KCSDCN . VI CKS CE EKEDR CCTGFNNTAE . TCP NYSQ IEECCO PANSYAYDD ARS TF 224 GMTLP20 GGS . GC ANT STCPN S. SVCPAEQ . CCCGCN S. CCC CCCC CCCC CTGN S. CCC CCCC CCCC CCCC CCCC CC		GVYGD	ACNSIG	CIIDI	KGCI	KELU	. LLGGDUNUK	. V V G C	RSACE	LAFKIDKY	SGAFANPN.	TCUPSY	YSTIFK	KACPKAYSY	AFDDGISIF	
GMILP27 KGS			CRSIG	CGRDL	V UKCI	IKLK	VIIDGGD	. V V G C	USLCL	AHE		ICKSIL	F SEF SK	IKCPEAYUH	GSF	
CMTLP22 NGT. GRUSTYGEOGD R. QNGFSELA. SK.NDK. VI GRS.CUENTDD CGGGTYGNPA.TCLABNSKIFKOVCRAMSTALDDP SLI 228 CMTLP24 GGS. RG_CKAYTERSD N. KVYPSFS. MKSDGS. VI CKS.CL_LNDPE CGGGPASAD. KCPPTPSIFKMKCQAYSYAYDDRISTF 165 CMTLP25 GGS. GG_CKTSS_PANIN_DVNVGPSELQ. KGSDGS. VI CKS.CL_LNDPE CGGGPASSAD. KCPPTPSIFKMKCQAYSYAYDDRISTF 165 CMTLP26 GGS. GG_CKTSS_PANIN_SVGPAELQ. KGSDGN. VII CKS.CV_ENEDQ. CGGGDYDTETE. TOPPTNYSQIFEEGCEDAYSYAYDDRISTF 154 CMTLP27 GGS. GG_CKTSS_PANIN_SVGPAELQ. KGSDGN. VII CKS.CV_ENEDQ. CGGDYDTTETE. TOPPTNYSQIFEEGCEDAYSYAYDDRISTF 229 CMTLP26 GGS. GG_CKTSS_PANIN_SVGPAELQ. KGSDGN. VII CKS.CV_ENEDQ. CGGDYDTTETE. TOPPTNYSQIFEEGCEDAYSYAYDDRISTF 229 CMTLP26 GGS. GG_CKTSS_PANIN_SVGPAELQ. KGSDGN. VII CKS.CV_ENEDQ. CGGDYDTTETE. TOPPTNYSQIFEEQCEDAYSYAYDDRISTF 229 CMTLP29 GGS. GG_CKTSS_PANIN_DVNVGPSELQ. KGSDGN. VII CKS.CV_ENEDQ. CGGDYDTTETE. TOPPTNYSQIFEEQCEDAYSYAYDDRISTF 229 CMTLP29 GGS. GG_CKTSS_PANIN_DVNVGPSELQ. KGSDGN. VII CKS.CV_ENEDQ. CGGDYDTTETE. TOPPTNYSQIFEEQCEDAYSYAYDDRISTF 229 CMTLP29 GGS. GG_CKTSS_PANIN_DVNVGPSELQ. KGSDGN. VII CKS.CV_ENEDQ. CGGGYDTTETE. TOPPTNYSQIFEEQCEDAYSYAYDDRISTF 229 CMTLP29 GGS. GG_CKTSS_PANIN_DVNVGPSELQ. KGSDGN. VII CKS.CV_ENEDQ. CGGGYDTTETE. TOPPTNYSQIFEEQCEDAYSYAYDDRISTF 229 CMTLP29 GGS. GG_CTVDCSCF_PANDENKELS_SVC_DLII. AGNNRDQ. YVC_GSPCD_VENDPK. CCMGN. GCQDEIJSVKYMCLCFFAHLYDDRISTP 229 CMTLP29 GGS. GG_CTVDCSCF_PANDENKELS_SVC_DLII. AGNNRDQ. YVC_GSPCD_VENDPK. CCMGN. GCQDEIJSVKYMCLCFFAHLYDDRISTP 229 CMTLP29 GGS. GG_CAGGSATG_CVD N. TPOTPTLK. MSSGD. GV_CKS_CCE_PTDDPQ. CGGGAYATDD. TCKS_SVG_FFARCPDASYAYDDRISTF 234 CMTLP30 GGS. GG_CAGGSATG_CVD N. TPOTPTLK. MSSGD. GV_CKS_CCE_PTDDPQ. CGGGAYATDD. TCKS_SVG_FFARCPDASYAYDDRISTF 229 CMTLP30 GGS. GG_CAGGSATG_CVD N. GGCPAELR. LARSNGSGRG.SVC_RS_CCE_PTDDPQ. CGGGAYATDD. TCKS_SVG_FFARCPDASYAYDDRISTF 229 CMTLP30 GGG. AG_GVAA_BANIN_VYCPSSIV. WE.RSGGS. CC.CGGRGPEC. CGGAYGRG. CGGGAYTDD. TCKS_SVG_FFARCPANYAYDDRISTF 229 CMTLP30 GGG. AG_GVAA_BANIN_VYCPSSIV. WE.RSGGS. CC.CGGAYGGD. CGGGAYTDD. TCKS_SVG_FFARCPANYAYDDRISTF 229 CMTLP30 GGG. AG_GVAA_GANIN_VYCPSSIV. WE	GMILP20	GGGV	JCG V A S	CEVDL.	VVCCI	SALE	VK.KNGK	. V V G C	KSACL	LAMUSAKY	GIGSYSDPK.	ICKPIL	FAHLFK	AICPKAYSY	AYDDSSLN	
CMTLP24 GGS. RG_KAYTESSPS_D.N. KYVPPSFS. KGSDGS. VII.CKS_CM_ENPERCECTGYPSSAD.KGPTPS_LIFKNMCPQASYAYDDRSTF_154 GMTLP25 GGS. GG_KAYTESSPS_D.N. RNGPSREE. RNGSH. VICKS_CM_ENPERCECTGYPSPSK, KCQ_USSKVFKASCQAYSYAYDDRSTF_154 GMTLP26 GGS. GG_KTSS_PNINDVNVGPSELQ. KGSDGN. VII.CNS_CV_ENEDQ_CG_RGDVDTEE.TGPTNYSQIFEEQCPDAYSYAYDDKSTF_229 GMTLP27 GGS. GG_KTSS_PKIIN. SVGPABLQ. KGSDGN. VII.CNS_CV_ENEDQ_CG_RGDVDTEE.TGPTNYSQIFEEQCPDAYSYAYDDKSTF_229 GMTLP28 GGS. GG_KTSS_PKIIN. SVGPABLQ. KGSDGN. VII.CNS_CV_ENEDQ_CG_RGDVDTEE.TGPTNYSQIFEEQCPDAYSYAYDDKSTF_229 GMTLP29 GGS. GG_KTSS_PKIIN. SVGPABLQ. KGSDGN. VII.CNS_CV_ENEDQ_CG_RGDVDTEE.TGPTNYSQIFEEQCPDAYSYAYDDKSTF_229 GMTLP30 GGTLVDGSGP_CMMVDGNKEUS. SVGPLDLII. AGNNNDQ. YVC.ONSPC_DVKDPK. CG_MSN. CC_QG_DEISVKYKGLCPFABLYPGD_QFDTIVE_224 GMTLP30 GGTLVDGSGP_CMMVDGNKEUS. SVGPTLQQ. YVC.ONSPC_DVKDPK. CG_MSN. CC_QG_DEISVKYKGLCPFABLYPGD_QFDTIVE_224 GMTLP30 GGS. GS_AATG_CVD_N. TPOFTELK. MSSGD. GVC.KS_CE_BDDPQ. CG_SGAYATDD. TC_KS_SYS_SYGPKASYYAYDDASTF_234 GMTLP30 GGS. GG_AATG_GD_N. GGG_BABLR. ARSNGSGN_SVC. CG_SG_GG_BCKDC_CG_SGAYATDD. TC_KS_SYS_SYGPKASYYAYDDASTF_224 GMTLP30 GGS. GG_SATG_LVD_N. GGG_BABLR. ARSNGSGN_SVC. CG_SG_GG_BCKDC_CG_SGAYATDD. TC_KS_SYS_SYA_NDDASTF_224 GMTLP30 GGS. GG_SATG_LVD_N. GGG_BABLR. ARSNGSGN_SVC. CS_CG_SG_SG_SG_STS_TD. TC_KS_SYS_SYA_NDDASTF_224 GMTLP30 GGS. GG_SATG_CVD_N. GG_GD_ABLR. ARSNGSGN_SVC. CS_CG_SG_SG_SG_SG_STS_TD. TC_KS_SYS_SYA_NDDASTF_224 GMTLP30 GGS. GG_SATG_GVD_N. GG_GD_ABLR. ARSNGSGN_SVC. CS_CG_SG_SG_SG_SG_SG_SS_TD. TC_KS_SYS_SYA_NDDASTF_224 GMTLP30 GGS. GG_CKATC_GD_N. AAGG_SC_SC_SC_SC_SG_SG_SG_SG_TC_TC_ST_USKKFKKRACATTSYAYDDKSTF_224 GMTLP30		KGSGI	ACSYAG		N I MCI	VGLU	VKSKDNKK.	. V V A C	KSACE	SAFNSPRY	IGSYGSPŲ.	ACKPIV	YSKIFK	TACPKAYSY	AYDDPISIA	
CmTLP24 GGS		NGIGI	NCSIVG	CDGDL.	K UNCI	SELA	SK.DNDK	. V L A C	KSACL	VENIDDY	CRGIYGNPA.	ICLASN	YSKIFK	UVCPAAYSE NMCDOAYSE	ALDDPISLI	
GMTLP25 GGSGECKTSS PN INDVNVCPSEEQ .WKGSDGN. VI CKS. CV FNEDQ CCRGDYDTEE. TG PINNSQIFEEQGP DAYSYA WDK STF 229 CMTLP27 GGSGDCKTSS PK IN .SVCPAELQ .WKGSDGN. VI CKS. CE FKEDR CCTCPNNTAE. TG PINNSQIFEEQGP DAYSYA WDK STF 228 CMTLP28 GGSGDCKTSS PK IN .SVCPAELQ .WKGSDGN. VI CKS. CE FKEDR CCTCPNNTAE. TG PINNSQIFEEQGP DAYSYA WDK STF 228 CMTLP29 GGSGDCKTSS PK IN .SVCPAELQ .WKGSDGN. VI CKS. CE FKEDR CCTCPNNTAE. TG PINNSQIFEEQGP DAYSYA WDK STF 228 CMTLP29 GGSGDCKTSS PK IN .SVCPAELQ .WKGSDGN. VI CKS. CE FKEDR CCTCPNNTAE. TG PINNSQIFEEQGP DAYSYA WDK STF 228 CMTLP30 GGTLVDGSCP CPNVCNKELS.SVCPAELQ .WKGSDGN. VI CKS. CE FKEDR CCTCPNNTAE. TG PINNSQIFEEQGP DAYSYA WDK STF 227 CMTLP30 GGTLVDGSCP CPNVCNKELS.SVCPAELQ .WKGSDGN. VI CKS. CE FKEDR CCTCPNNTAE. TG PINNSQIFEEQGP DAYSYA WDK STF 227 CMTLP30 GGTLVDGSCP CPNVCNKELS.SVCPAELQ .WKGSDGN. VI CKS. CE FKEDR CCTCPNNTAE. TG PINNSQIFEEQGP DAYSYA WDK STF 227 CMTLP30 GGTLVDGSCP CPNVCNKELS.SVCPAELQ .WKGSDGN. VI CKS. CE FKEDR CCTCPNNTAE. TG PINNSQIFEEQGP DAYSYA WDK STF 227 CMTLP30 GGTLVDGSCP CPNVCNKELS.SVCPAELQ .WKGSDGN. VI CKS. CE FKEDR CCTCPNNTAE. TG PINNSQIFEEQGP DAYSYA WDK STF 227 CMTLP30 GGSGSCAATG CEGED N. QRCPSER .WGSDGN. VI CKS. CE FFDDPQ CCSGAYATPD. TG PISSYS FF REACHD ANSAY WD DA STF 228 CMTLP34 DGTRGGCSATG LVDLN. GCCPAELR.WARSNGSRG.SV CRS. CE FGDPR CCSCAYSTPD. MG CS.PS.FF KBACRANSYA WDD KS STF 228 CMTLP35 GGGGGCGATGGLVDLN. GGCPAELR.WARSNGSRG.SV CRS. CE FGDPR CCSCAYSTPD. MG CS.PS.FF KBACRANSYA WDD KS STF 228 CMTLP36 GGGGGCGATGGLVDLN. GGCPAELR.WARSNGSRG.SV CRS. CE FGDPR CCSCAYSTPD. TG CS.PS.FF KBACRANSYA WDD KS STF 228 CMTLP37 GGGGGCGATGGLVDLN. GGCPAELR.WARSNGSRG.SV CRS. CE FGDPR CCSCAYSTPD. TG CS.PS.FF KBACRANSYA WDD KS STF 229 CMTLP38 GGGGCCGATGGLVDLN. GGCPAELR.WARSNGSRG.SV CRS. CE FGDPR CCSCAYSTPD. TG CS.PS.FF KBACRANSYA WDD KS STF 229 CMTLP39 GGGGCCGATGGLVDLN. GGCPAELR.WARSNGSRG.SV CRS. CE FGDPR CCSCAYSTPD. TG CSSTYSTPD. MG CSCAYSYA WDD KS STF 224 CMTLP39 GGGGCCGATGGLVDLN. GGCPAELR.WARSNGSRG.VV CKS. CE FGDPR CCSCAYSTPD. TG CSSTYSFE KBACRANSYA		GGLRO	JUNITS	SPSDV.	V KVYI	PSFS	VKGSDGS	. V L A C	KSACL	ALNUPEY	GIGPFASAD.	KCPPIP	YSTIFK	NMCPUAYSY	AYDDRISIF	
GMTLP26 GGS . GDCKTSSCPKIIN . SVCPAELQ . KGSDGM . VI CKS CE_FKEDR CCTGPNNTAE . TG_PINNSQIFEEQCPDAYSYAWDKS.STF		GGSRI	JCKAVI	CRSDL	N RNCI	SKLE	VKNUSH	. IVGC	KSACM	AFNKPEY	TGYFNSPK.	KCUPIS	YSKVFK	ASCPUAYSY	AYDDATSTF	
CMTLP27 GGSGDCKTSSCPKNINSVCPAELQWGSDGNVI CKS.CE_FKEDRYCCTGPNNTAE.TCPP_NYSQIFEEQCDA_SYX_MDD_KSSTF		GGSGI	ECKTSS	CPNNI	NDVNVCI	SELU	VKGSDGN	. V L A C	NSACV	AFNEDQY	CRGDYDTEE.	TCPPIN	YSUIFE	EUCPDAYSY	AYDDKSTF	
GMTLP29 GGS																
CMTLP29 GGSGDCKTSSCPKNIN. SVCPABLQKGSDGN. VI CKS_CEARKEDR_CC_GCPNNTAE. TCPTNYSQIFEEQCDAYSYAYDDKS_TF 247 GMTLP30 GGTLVDGSGPC_PMVDCNKE_S. SVCPLDII. AGNKNDQ. YVGCNSPCD_NYKDPK_CC_NGNGCQPDEISVKFGLCFAH_YPGD_QPPIY 224 GMTLP31 YNC_SSVK_GAAD_I. GEOPTGLQ. VPG GKNPOTT NTTQ YGCSTGAAGCQPTDYSKFFKERPDAB_SYPMDDAS_MF 210 GMTLP32 GGSG. AGNCSATGGVVD_N. TPCPTELK. VMSSGD GVGCKEACEABDDPQYGCSGAYATPD. TCK_SSSYSQFFKSACPRAYSYAYDDGS_STF 234 GMTLP34 DGTR GGCSATGGCDLN QCCPAELR. VEGGD AGC GABGKPEYCCGAGFSNPS. TCK_SSMYSQMFKSVCFKAYSYAYDDGTS_TF 234 GMTLP35		GGSGI	CKTSS	CPKNI	V.SVCI	AELQ	VKGSDGN	. VIAC	KSACE	EAFKEDRY	CTGPNNTAE.	TCPPTN	YSQIFE	EUCPDAYSY	AYDDKSSTF	
CMTLP30 GGTLVDGSQPCPMVDGNKE S. SVCPLDII. AGNKNDQ. YVCCNSPCDYKDPKYCCNSN		GGSGI	£CKTSS	CPNNI	NDVNVCI	SELQ	VKGSDGN	. VIAC	NSACV	AFNEDQY	CRGDYDTEE.	TCPPTN	YSQIFE	EUCPDAYSY	AYDDKSSTF	
GMTLP32 GGSG. AGNGSATGGVVD.N. TPGPTEE.K. MNSGDD GVACKSACEARDDPQ.CCSGAYATD.TGERSSYSQFFRSACPRAYSYAYDDG STF 234 GMTLP34 DGTR GGSATGGCEDLN QRCPSELR VEGGD ACGS.CGAFGKPE.CCNGAFSNPS.TCREMMYSQMFMSVCPKAYSYAYDDA STF 236 GMTLP35 DGTR GGGSATGGLVD.N GGGPAELR MARSNGSRG.SVACRACEARGDPR.CCSBAYSTPD.MCGPSPYSLFFRHACPRAYSYAYDDA STF 21 GMTLP36 EGK GVCPVVGCRDD.L ATGPHVLOHRW.PAVHGP VVACKSCCEARHTDELCCRNHFNNPS.TGCGSIYSSFFKHAYPATFTEHDHDTPSLMH 234 GMTLP37 GGG AGGGVAACEAN.N VYCPSSLV E.RNGK VVGCKS.CEARHTDELCCRNHFNNPS.TGCGSIYSSFFKHAYPATFTEHDHDTPSLMH 234 GMTLP38 DGIR GGGSATGGLVD.N GGGPAELR MARSNGSRG.SVACRACEARGDPR.CCSBAYSTPD.TGCPSPYSLFFKHACPRAYSYAYDDASAVL 235 GMTLP39 GGS GLCASTGTSD.N QQCPAELR AARSNGSRG.SVACRACEARGDPR.CCSBAYSTPD.TGCPSPYSLFFKHACPRAYSYAYDDASAVL 234 GMTLP40 EGK GVCPVVGCRND.L ATCPRVLQHRVPAGHGP VVACKSCCEARHTDELCCRNHFNNPN.TCRGSIYSSFFKHACPRAYSYAYDDASAVL 234 GMTLP41 GGS GGLCASTGTSD.N RNGPNGE RNGSH LVGCKSCCEARHTDELCCRNHFNNPN.TCRGSIYSSFFKHACPRAYSYAYDDASTT 227 GMTLP42 GGG GGCKAVTGQSD.N RNGPNGE RNGSH LVGCKSCCEARHTDELCCRNHFNNPN.TCRGSIYSSFFKHACPRAYSYAYDDPSIC 234 GMTLP43 GGT GDCKYAGCSED.N RNGPNGE RNGSH LVGCKSCCEARHTDELCCRNHFNNPN.TCRGSIYSSFFKHACPRAYSYAYDDPSIC 231 GMTLP44 GGT GDCKYAGCSED.N RNGPNGE RNGSK LVGCKSCCEARHTDELCCRNHFNNPN.TCRGSIYSSFFKHACPRAYSYAYDDPSIC 231 GMTLP45 GGT GDCKYAGCSED.N RAGPAELQ KNDGGGE VVACKSCCEARHTDELCCTDHSSPQ.TCSPTIKYSKIFKNACPRAYSYAYDDPSIC 234 GMTLP46 GGT GDCKYAGCSED.N RAGPAELQ KNDGGGE VVACKSCCEARGDRS TOSPTIKYSKIFKNACPRAYSYAYDDPSIC 234 GMTLP46 GGT GDCGYAGCYADVN GVCPAELQ KNDGGGS VVACKSCCEARGDRS TOSPTIKYSKIFKNACPRAYSYAYDDPSIC 234 GMTLP47 GYGG TGCGYAGCYADVN GVCPAELQ KNDGGGS VVACKSCCEARGDRS TGCRGYGNGNPS TGCPTYSKKFRACCPTSYSYAYDDPSIC 234 GMTLP49 GGG GCCGTTGCGADN RCGPKELQ VGDGGGS VVACKSCCEARGDRS TGCRGYGNGNPS TGCPTYSKKFRACCPTAYSYAYDDRSIT 236 GMTLP49 GGG GCGCTTGCGADN RGGPKELQ VGGGGGS VVACKSCCEARGDRS VACKSCCARATTT.T.CPPSY	GmTLP29	GGSGI	CKTSS	CPKNI	V.SVCI	AELQ	VKGSDGN	. V LAC	KSACE	EAFKEDRY	CTGPNNTAE.	TCPPIN	YSQIFE	EUCPDAYSY	AYDDKSTF	
GMTLP32 GGSG. AGNGSATGGVVD.N. TPGPTEE.K. MNSGDD GVACKSACEARDDPQ.CCSGAYATD.TGERSSYSQFFRSACPRAYSYAYDDG STF 234 GMTLP34 DGTR GGSATGGCEDLN QRCPSELR VEGGD ACGS.CGAFGKPE.CCNGAFSNPS.TCREMMYSQMFMSVCPKAYSYAYDDA STF 236 GMTLP35 DGTR GGGSATGGLVD.N GGGPAELR MARSNGSRG.SVACRACEARGDPR.CCSBAYSTPD.MCGPSPYSLFFRHACPRAYSYAYDDA STF 21 GMTLP36 EGK GVCPVVGCRDD.L ATGPHVLOHRW.PAVHGP VVACKSCCEARHTDELCCRNHFNNPS.TGCGSIYSSFFKHAYPATFTEHDHDTPSLMH 234 GMTLP37 GGG AGGGVAACEAN.N VYCPSSLV E.RNGK VVGCKS.CEARHTDELCCRNHFNNPS.TGCGSIYSSFFKHAYPATFTEHDHDTPSLMH 234 GMTLP38 DGIR GGGSATGGLVD.N GGGPAELR MARSNGSRG.SVACRACEARGDPR.CCSBAYSTPD.TGCPSPYSLFFKHACPRAYSYAYDDASAVL 235 GMTLP39 GGS GLCASTGTSD.N QQCPAELR AARSNGSRG.SVACRACEARGDPR.CCSBAYSTPD.TGCPSPYSLFFKHACPRAYSYAYDDASAVL 234 GMTLP40 EGK GVCPVVGCRND.L ATCPRVLQHRVPAGHGP VVACKSCCEARHTDELCCRNHFNNPN.TCRGSIYSSFFKHACPRAYSYAYDDASAVL 234 GMTLP41 GGS GGLCASTGTSD.N RNGPNGE RNGSH LVGCKSCCEARHTDELCCRNHFNNPN.TCRGSIYSSFFKHACPRAYSYAYDDASTT 227 GMTLP42 GGG GGCKAVTGQSD.N RNGPNGE RNGSH LVGCKSCCEARHTDELCCRNHFNNPN.TCRGSIYSSFFKHACPRAYSYAYDDPSIC 234 GMTLP43 GGT GDCKYAGCSED.N RNGPNGE RNGSH LVGCKSCCEARHTDELCCRNHFNNPN.TCRGSIYSSFFKHACPRAYSYAYDDPSIC 231 GMTLP44 GGT GDCKYAGCSED.N RNGPNGE RNGSK LVGCKSCCEARHTDELCCRNHFNNPN.TCRGSIYSSFFKHACPRAYSYAYDDPSIC 231 GMTLP45 GGT GDCKYAGCSED.N RAGPAELQ KNDGGGE VVACKSCCEARHTDELCCTDHSSPQ.TCSPTIKYSKIFKNACPRAYSYAYDDPSIC 234 GMTLP46 GGT GDCKYAGCSED.N RAGPAELQ KNDGGGE VVACKSCCEARGDRS TOSPTIKYSKIFKNACPRAYSYAYDDPSIC 234 GMTLP46 GGT GDCGYAGCYADVN GVCPAELQ KNDGGGS VVACKSCCEARGDRS TOSPTIKYSKIFKNACPRAYSYAYDDPSIC 234 GMTLP47 GYGG TGCGYAGCYADVN GVCPAELQ KNDGGGS VVACKSCCEARGDRS TGCRGYGNGNPS TGCPTYSKKFRACCPTSYSYAYDDPSIC 234 GMTLP49 GGG GCCGTTGCGADN RCGPKELQ VGDGGGS VVACKSCCEARGDRS TGCRGYGNGNPS TGCPTYSKKFRACCPTAYSYAYDDRSIT 236 GMTLP49 GGG GCGCTTGCGADN RGGPKELQ VGGGGGS VVACKSCCEARGDRS VACKSCCARATTT.T.CPPSY	GmTLP30	GGTLVDGSG	PCPMVD	CNKEL	S SVCI	LDLI	AGNKNDQ	. Y V GC	NSPCL	O <mark>GY</mark> KDPKY(CNGN	GCQPDE	ISVKYK	GLCPFAHTY	PGDNQPPIY	
GMTLP34 GGS. GSCAATGCGEDIN. QRCPSEUR. EGGDACQSACGAFCKPE CONGAFSNPS. TCKPSMYSQMEKSVORKAYSYAYDDATSTF 228 GMTLP35	GmTLP31	Y I	NCSSVK	CAADL	LGEC	TULU	<mark>V</mark> PG	GC	NNPCI	LALMILIAA	CSTGAA	GCGPID	YSKFFK	ERCPDARSY	PMDDASSMF	
GMTLP36 EGKGVCPVVGGRDDLL .ATCPHVLQHRVPAVHGPVVACKSGCEAFHTDELCCRNHFNNPS.TGKGSIYSSFFKHAYPATTTFAHDTPSLMH 234 GMTLP37 GGGAGCGVAACEANLN .VYCPSSLV .VE.RNGKVVGCKSACLAAKSDRYGCTGEFAGGRYYCKFTVFARLFKTVGPNAYSYAYDDDSAVL 235 GMTLP38 DGIRGGCSATGCLVDLN .GGCPAELRVARSNGSRG.SVACRSACEAFGDPRFCCSEAYSTPD .TGCPSPYSLFFKHACPRAYSYAYDDATSTF 234 GMTLP39 GGSGLCASTGCTSDLN .QQCPAELR .ASEGSACKSACEAFGDPRFCCSEAYSTPD .TGCPSPYSLFFKHACPRAYSYAYDDATSTF 227 GMTLP40 EGKGVCPVVGGRNDLL .ATCPRVLQHRVPAGHGP .VVACKSGCEAFHTDELCCRNHFNNPN .TGKGSIYSSFFKHACPATTFAHDTPSLMH 234 GMTLP41 GGSGQCKAVTCQSDLN .RNCPNGLE .VRNQSHIVGCKSACMAFNKPEYGCTGDFSNPR .KCQFTSYSKVFKASCPQAYSYAYDDATSTF 224 GMTLP42 NGK .GNCSTAGDSDLR .NSCPKELS .RR.ANGK .TVGCRSACDVFNTDEYCCKGNYGNPS .TGKPTFYSKKFKEACPTSYSYAYDDATSTF 227 GMTLP43 GGTGDCKYAGCSEDLN .PACPAELQ .VKDGGGA .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDPSSIC 231 GMTLP44 GGTGDCKYAGGSEDLN .PACPAELQ .VKDGGGG .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDPSSIC 235 GMTLP45 GGTGDCKYAGCSEDLN .AACPAELQ .VKDGGGG .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDPSSIC 235 GMTLP46 NGK .GNCTTAGGDSDLR .ATCPNELA .VK.VNGK .TVGCRSACDVNTDEYCCRGNYGNPS .TGNPTFYSKKFKEACPTSYSYAYDDPSSIC 234 GMTLP47 GVYG .TGVCNATGCVTDIN .RGCPKELQ .VKDGGGS .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDATSTF 238 GMTLP48 GGSG .EKCTATGCVGDLN .GACPSELK .VK.GSDGS .VVACKSACAAFNTAEFCCTGDHSPD .TGNPTFYSKKFKEACPTSYSYAYDDKTSTF 238 GMTLP49 GGL .RGCNTTSCPSDLR .ATCPNELA .VK.VNGK .TVGCRSACDVNTDEYCCRGNYGNPS .TGNPTFYSVKFKEACPTSYSYAYDDKTSTF 236 GMTLP49 GGL .RGCNTTSCPSDLR .ATCPNELA .VK.GSDGS .VVACKSACEAFGSDQYCCSGEFANPT .TGQPSYYSTLFKQACPKAYSYAYDDKTSTF 236 GMTLP49 GGL .RGCNTTSCPSDLR .ATCPNELA .VK.GSDGS .VVACKSACEAFNSPQYCCSGAYGTPD .TGKPSYSYAYDDKTSTF 236 GMTLP50 GGS .GSCAATGGCQTDLN .RGCPKELQ .VKGGDGSG .VVACKSACEAFGSPDYCCSGAYGTPD .TGKPSYSYAYDDKTSTF 229 GMTLP50 GGS .GSCAATGGCQTDLN .RGCPKELQ .VKGGGGA .VVACKSACEAFNSPQYCCSGAYGTPD .TGKPSSYSYAYDDATSTF 228 GMTLP51 GG .GCGTGTGLDDLN .GGCPNELR .VKGGGGG .VVACKSACEAFNSPQYCCSGAYASPA .TGKPSYSYAYDDATST		GGSGAGI	NCSATG	CVVDL	V. TPCI	TELK	MSSGD	. GVAC	KSACE	EAFDDPQY	CCSGAYATPD.	TCKPSS	YSQFFK	SACPRAYSY	AYDDGSSTF	234
GMTLP36 EGKGVCPVVGGRDDLL .ATCPHVLQHRVPAVHGPVVACKSGCEAFHTDELCCRNHFNNPS.TGKGSIYSSFFKHAYPATTTFAHDTPSLMH 234 GMTLP37 GGGAGCGVAACEANLN .VYCPSSLV .VE.RNGKVVGCKSACLAAKSDRYGCTGEFAGGRYYCKFTVFARLFKTVGPNAYSYAYDDDSAVL 235 GMTLP38 DGIRGGCSATGCLVDLN .GGCPAELRVARSNGSRG.SVACRSACEAFGDPRFCCSEAYSTPD .TGCPSPYSLFFKHACPRAYSYAYDDATSTF 234 GMTLP39 GGSGLCASTGCTSDLN .QQCPAELR .ASEGSACKSACEAFGDPRFCCSEAYSTPD .TGCPSPYSLFFKHACPRAYSYAYDDATSTF 227 GMTLP40 EGKGVCPVVGGRNDLL .ATCPRVLQHRVPAGHGP .VVACKSGCEAFHTDELCCRNHFNNPN .TGKGSIYSSFFKHACPATTFAHDTPSLMH 234 GMTLP41 GGSGQCKAVTCQSDLN .RNCPNGLE .VRNQSHIVGCKSACMAFNKPEYGCTGDFSNPR .KCQFTSYSKVFKASCPQAYSYAYDDATSTF 224 GMTLP42 NGK .GNCSTAGDSDLR .NSCPKELS .RR.ANGK .TVGCRSACDVFNTDEYCCKGNYGNPS .TGKPTFYSKKFKEACPTSYSYAYDDATSTF 227 GMTLP43 GGTGDCKYAGCSEDLN .PACPAELQ .VKDGGGA .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDPSSIC 231 GMTLP44 GGTGDCKYAGGSEDLN .PACPAELQ .VKDGGGG .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDPSSIC 235 GMTLP45 GGTGDCKYAGCSEDLN .AACPAELQ .VKDGGGG .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDPSSIC 235 GMTLP46 NGK .GNCTTAGGDSDLR .ATCPNELA .VK.VNGK .TVGCRSACDVNTDEYCCRGNYGNPS .TGNPTFYSKKFKEACPTSYSYAYDDPSSIC 234 GMTLP47 GVYG .TGVCNATGCVTDIN .RGCPKELQ .VKDGGGS .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDATSTF 238 GMTLP48 GGSG .EKCTATGCVGDLN .GACPSELK .VK.GSDGS .VVACKSACAAFNTAEFCCTGDHSPD .TGNPTFYSKKFKEACPTSYSYAYDDKTSTF 238 GMTLP49 GGL .RGCNTTSCPSDLR .ATCPNELA .VK.VNGK .TVGCRSACDVNTDEYCCRGNYGNPS .TGNPTFYSVKFKEACPTSYSYAYDDKTSTF 236 GMTLP49 GGL .RGCNTTSCPSDLR .ATCPNELA .VK.GSDGS .VVACKSACEAFGSDQYCCSGEFANPT .TGQPSYYSTLFKQACPKAYSYAYDDKTSTF 236 GMTLP49 GGL .RGCNTTSCPSDLR .ATCPNELA .VK.GSDGS .VVACKSACEAFNSPQYCCSGAYGTPD .TGKPSYSYAYDDKTSTF 236 GMTLP50 GGS .GSCAATGGCQTDLN .RGCPKELQ .VKGGDGSG .VVACKSACEAFGSPDYCCSGAYGTPD .TGKPSYSYAYDDKTSTF 229 GMTLP50 GGS .GSCAATGGCQTDLN .RGCPKELQ .VKGGGGA .VVACKSACEAFNSPQYCCSGAYGTPD .TGKPSSYSYAYDDATSTF 228 GMTLP51 GG .GCGTGTGLDDLN .GGCPNELR .VKGGGGG .VVACKSACEAFNSPQYCCSGAYASPA .TGKPSYSYAYDDATST		GGSGS	SCAATG	CGEDL	VQRCI	SELR	VEGGD	A C	USACC	GAFGKPEY	CONGAFSNPS.	TCKPSM	YSUMFK	SVCPKAYSY	AYDDATSTF	228
GMTLP36 EGKGVCPVVGGRDDLL .ATCPHVLQHRVPAVHGPVVACKSGCEAFHTDELCCRNHFNNPS.TGKGSIYSSFFKHAYPATTTFAHDTPSLMH 234 GMTLP37 GGGAGCGVAACEANLN .VYCPSSLV .VE.RNGKVVGCKSACLAAKSDRYGCTGEFAGGRYYCKFTVFARLFKTVGPNAYSYAYDDDSAVL 235 GMTLP38 DGIRGGCSATGCLVDLN .GGCPAELRVARSNGSRG.SVACRSACEAFGDPRFCCSEAYSTPD .TGCPSPYSLFFKHACPRAYSYAYDDATSTF 234 GMTLP39 GGSGLCASTGCTSDLN .QQCPAELR .ASEGSACKSACEAFGDPRFCCSEAYSTPD .TGCPSPYSLFFKHACPRAYSYAYDDATSTF 227 GMTLP40 EGKGVCPVVGGRNDLL .ATCPRVLQHRVPAGHGP .VVACKSGCEAFHTDELCCRNHFNNPN .TGKGSIYSSFFKHACPATTFAHDTPSLMH 234 GMTLP41 GGSGQCKAVTCQSDLN .RNCPNGLE .VRNQSHIVGCKSACMAFNKPEYGCTGDFSNPR .KCQFTSYSKVFKASCPQAYSYAYDDATSTF 224 GMTLP42 NGK .GNCSTAGDSDLR .NSCPKELS .RR.ANGK .TVGCRSACDVFNTDEYCCKGNYGNPS .TGKPTFYSKKFKEACPTSYSYAYDDATSTF 227 GMTLP43 GGTGDCKYAGCSEDLN .PACPAELQ .VKDGGGA .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDPSSIC 231 GMTLP44 GGTGDCKYAGGSEDLN .PACPAELQ .VKDGGGG .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDPSSIC 235 GMTLP45 GGTGDCKYAGCSEDLN .AACPAELQ .VKDGGGG .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDPSSIC 235 GMTLP46 NGK .GNCTTAGGDSDLR .ATCPNELA .VK.VNGK .TVGCRSACDVNTDEYCCRGNYGNPS .TGNPTFYSKKFKEACPTSYSYAYDDPSSIC 234 GMTLP47 GVYG .TGVCNATGCVTDIN .RGCPKELQ .VKDGGGS .VVACKSACAAFNTAEFCCTGDHSSPQ .TGSPTLYSKLFKNACPAAYSYAYDDATSTF 238 GMTLP48 GGSG .EKCTATGCVGDLN .GACPSELK .VK.GSDGS .VVACKSACAAFNTAEFCCTGDHSPD .TGNPTFYSKKFKEACPTSYSYAYDDKTSTF 238 GMTLP49 GGL .RGCNTTSCPSDLR .ATCPNELA .VK.VNGK .TVGCRSACDVNTDEYCCRGNYGNPS .TGNPTFYSVKFKEACPTSYSYAYDDKTSTF 236 GMTLP49 GGL .RGCNTTSCPSDLR .ATCPNELA .VK.GSDGS .VVACKSACEAFGSDQYCCSGEFANPT .TGQPSYYSTLFKQACPKAYSYAYDDKTSTF 236 GMTLP49 GGL .RGCNTTSCPSDLR .ATCPNELA .VK.GSDGS .VVACKSACEAFNSPQYCCSGAYGTPD .TGKPSYSYAYDDKTSTF 236 GMTLP50 GGS .GSCAATGGCQTDLN .RGCPKELQ .VKGGDGSG .VVACKSACEAFGSPDYCCSGAYGTPD .TGKPSYSYAYDDKTSTF 229 GMTLP50 GGS .GSCAATGGCQTDLN .RGCPKELQ .VKGGGGA .VVACKSACEAFNSPQYCCSGAYGTPD .TGKPSSYSYAYDDATSTF 228 GMTLP51 GG .GCGTGTGLDDLN .GGCPNELR .VKGGGGG .VVACKSACEAFNSPQYCCSGAYASPA .TGKPSYSYAYDDATST		DGTRGG	JCSATG		VGGCI	AELR	VARSNGSRG	. SVAC	R <mark>SA</mark> CE	EAFGDPRF	CSEAYSTPD.	MCGPSP	YSLFFK	HACPRAYSY	AYDDKTSTY	234
GTLP37 GGGAG GVAACEANLN. VYCPSSLV. VE.RNGKVYGCKSACLAAKSDRVCCTGEFAGGRYYCKE VVARLEKTVCPNAYSYAYDDDSAVL 235 GTLP38 GGIRGGGSATGCLVD.NGGCPAELRVARSNGSRG.SVACRSACEAFGDPRFCCSEAYSTPD.TCGPS PYSLFFKHACPRAYSYAYDDATSTF 236 GTLP39 GGSGLGSATGCTSD.NQCCPAELRASEGSACKSACEAFGSPEYCCSGAYGSPA.TCRPS.TYSEMFKHACPRAYSYAYDDATSTF 227 GTLP40 EGKGVCPVVGCRND.L. ATCPRVLQHRVPAGHGPVVACKSGCEAFHTDELCCRNHFNNPN.TCKGS IYSSFFKHACPATFTFAHDTPSLMH 234 GTLP41 GGSGGCKAVTCQSD.NRNCPNGLEVRNQSHIVGCKSACMAFNKPEYCCTGDFSNPR.KCQP SYSKVFKASCPQAYSYAYDDATSTF 224 GTLP42 NGKGNCSTAGCDSD.RNSCPKELS. LR.ANGKIVGCKSACMAFNKPEYCCTGDFSNPR.KCQP SYSKVFKASCPQAYSYAYDDATSTF 224 GTLP43 GGTGDCKYAGCSED.NPACPAELQVKDGGGGAVVACKSACAAFNTAEFCCTGDHSSPQ.TCSP RYSKIFKNACPAAYSYAYDDPSSIC 231 GTLP44 GGTGDCKYAGCSED.NAACPAELQVKDGGGGAVVACKSACAAFNTAEFCCTGDHSSPQ.TCSP RYSKIFKNACPAAYSYAYDDPSSIC 235 GTLP45 GGTGDCGYAGCVAD.NGVCPAELQVKDGGGGVVACKSACAAFNTAEFCCTGDHSSPQ.TCSP RYSKIFKNACPAAYSYAYDDASSTC 234 GTLP46 NGKGNCTTAGCDSD.RATCPNELAVK.VNGKTVGCRSACDVYNTDEYCCKGNYGNPS.TCNP.TFYSKKFEACPTAYSYAYDDASSTC 234 GTLP46 NGKGNCTTAGCCDSD.RATCPNELAVK.VNGK.TVGCRSACDVYNTDEYCCKGNYGNPS.TCNP.TFYSKKFEACPTAYSYAYDDASSTC 234 GTLP47 GVYG.TGYWNATGCVYD.NGCCPKELQVVACKSACAAFNTAEFCCTGDHSTPQ.TCSP.THSSIFFKAACPTAYSYAYDDASSTC 238 GTLP48 GGSGEKCTATGCVGD.NGACPSELKVNGGDGYQGGVVGKSACEAFNSPQYCCSGGFANPT.TCQPSYYSTLFKQACPKAYSYAYDDATSTF 238 GTLP49 GGLGGGSGATGCGAD.NGACPSELKVNGGAGSVVACKSACEAFNSPQYCCSGGYATPD.TCKPSAYSAIFKSACPRAYSYAYDDATSTF 238 GTLP49 GGCGGGATGCGAD.NGACPSELKVNGGSGSVACKSACEAFNSPQYCCSGGYATPD.TCKPSAYSAIFKSACPRAYSYAYDDATSTF 229 GTLP50 GGSGGGGATGCGAD.NGACPSELKVNGGSGSVACKSACEAFNSPQYCCSGRYATPD.TCKPSAYSAIFKSACPRAYSYAYDDATSTF 228 GTLP51 GGGGGGGGGAD.NGACPSELKVNGGSGGVACKSACEAFGDPRYCCSGRYATPD.TCKSSYSYAYDDATSTF 228 GTLP52 GGSGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG													MFK	AACPRSYSY	AYDDATSTF	21
GMTLP38 DGIR GG SATGC LVD N GGCPAELR ARSNGSRG SV A CR SA CEAFGDPR CC SEAYSTPD.TC GP SP YSLFFKHACPRA YSYAYDDKTSTY 234 GGS. GLCASTGCTSD N QQCPAELR ASEGS. ACK SA CEAFGSPE YCC SGAYGSPA.TC RESIYSEMFKACPRA YSYAYDDATSTF 227 GMTLP40 EGK. GV CPVVGCRND L ATCPRVLQHR PPAGHGP. VVVA CK SC CEAFHTDEL CCRNHFNNPN.TC KG IYSSFFKHACPATFTF AHDTP SLMH 234 GMTLP41 GGS. GQCKAVTCQSD N RNCPNGLE. VRNQSH. IVG CK SA CMAFNKPE YCC TGDFSNPR.KCQP SYSKVFKASCPQAYSYAYDDATSTF 224 GMTLP42 NGK. GN CSTAGC DSDLR. NSCPKELS. LR.ANGK. TV GCR SA CDVFNTDE YCC KGNYGNPS.TC KPTFYSKKFKEACPTS YSYAYDDPTS IF 227 GMTLP43 GGT. GDCKYAGC SED N PACPAELQ. VKDGGGA. VVA CK SA CAAFNTAE FCC TGDHSSPQ.TC SP TRYSK IF KNACPAAYSYAYDDPTS IC 231 GMTLP44 GGT. GDCKYAGC SED N PACPAELQ. VKDGGGGE. VVA CK SA CAAFNTAE FCC TGDHSSPQ.TC SP TLYSK IF KNACPAAYSYAYDDPS IC 235 GMTLP45 GGT. GDC QYAGC VAD N .G VCPAELQ. VKDGGGS. VVA CK SA CAAFNTAE FCC TGDHSSPQ.TC SP TLYSK IF KNACPAAYSYAYDDPS IC 235 GMTLP46 NGK. GNCTTAGC DSDLR. ATCPNELA. VK.VNGK. TV GCR SA CDVYNTDE YCC RGNYGNPS.TO NPT FYSKKFKEACPT SYSYAYDDDATS TC 227 GMTLP47 GVYG. TGV CNATGC VDD N .G VCPAELQ. VRDGAGS. VVA CK SA CAAFNTAE FCC TGDHSSPQ.TC SP THYSK IF KNACPAAYSYAYDDDATS TC 234 GMTLP46 NGK. GNCTTAGC DSDLR. ATCPNELA. VK.VNGK. TV GCR SA CDVYNTDE YCC RGNYGNPS.TO NPT FYSKKFKEACPT SYSYAYDDATS TC 234 GMTLP46 NGK. GNCTTAGC DSDLR. ATCPNELA. VK.VNGK. TV GCR SA CDVYNTDE YCC RGNYGNPS. TO NPT FYSKKFKEACPT SYSYAYDDATS TF 228 GMTLP49 GGL. RG CNTTSC PSD VN. KVCPPNFA. VKGSDGS. VIA CK SA CEAFGSDQ YCC SGEFANPT. TC QPS YYSTLFKQACPKAYSYAFDDATS TF 236 GMTLP50 GGS. GSC GAATGC GAD N. RRCPEELR. VDGGD ACQ SA CRAFGKPP CC SGAYGTPD. TC KAS SYSQLFKSACPRAYSYAYDDATS TF 229 GMTLP50 GGS. GSC GAATGC GAD N. RRCPEELR. VDGGD ACQ SA CRAFGKPP CC SGAYATPE. TC KAS SYSQLFKSACPRAYSYAYDDATS TF 236 GMTLP54 GGG. GNCTATGC AAD N. GGCPAELK. VKTVASGE. GVACKS ACEAFGSDP YCC SGAYATPE. TC KAS SYSQLFKSACPRAYSYAYDDATS TF 236 GMTLP54 GGS. GTCGSTGCLAD N. GGCPSELK. VMSGDGRG. VVACKS ACEAFGSP CC SGAYASPA. TC KPS VYSQLFKSACPRAYSYAYDDATS TF 236 GMTLP54 GGS. GTCGSTGCLAD N. GGCPSELK. VMSGDGR		EGKG	V CPVVG	CRDDL.	L. ATCI	HVLQ.	HK <mark>V</mark> PAVHGP	. V V A C	KSGCE	EAFHIDEL	CRNHFNNPS.	TCKGSI	YSSFFK	HAYPAIFIF	AHDTPSLMH	
GMTLP39 GGSGLCASTGCTSDLN. QQCPAELRASEGSACKSACEAFGSPEYCCSGAYGSPA.TCRPSIYSEMFKAACPRSYSYAYDDATSTF 227 GMTLP40 EGKGVCPVVGCRNDLATCPRVLQHRVPAGHGPVVACKSGCEAFHTDELCCRNHFNNPN. TCKGSIYSSFFKHACPATFTFAHDTPSLMH 234 GMTLP41 GGSGQCKAVTCQSDLNRNCPNGLEVRNQSHIVGCKSACMAFNKPEYCCTGDFSNPR. KCQPTSYSKVFKASCPQAYSYAYDDATSTF 224 GMTLP42 NGKGNCSTAGCDSDLRNSCPKELS. LR. ANGKTVCCRSACDVFNTDEYCCKGNYGNPS.TCKPTFYSKKFKEACPTSYSYAYDDPTSIF 227 GMTLP43 GGTGDCKYAGGSEDLNPACPAELQVKDGGGGAVVACKSACAAFNTAEFCCTGDHSSPQ. TCSPTRYSKIFKNACPAAYSYAYDDPSSIC 231 GMTLP44 GGTGDCKYAGGSEDLNAACPAELQVKDGGGGVVACKSACAAFNTAEFCCTGDHSSPQ. TCSPTRYSKIFKNACPAAYSYAYDDPSSIC 235 GMTLP45 GGTGDCQYAGCVADVNGVCPAELQVRDGAGSVVACKSACAAFNTAEFCCTGDHSSPQ. TCSPTLYSKIFKNACPAAYSYAYDDASSTC 234 GMTLP46 NGKGNCTTAGCDSDLRATCPNELAVKVNGKTVGCRSACDAFNTAEFCCTGDHSTPQ. TCSPTHHSEIFKKACPTAYSYAYDDASSTC 234 GMTLP47 GVYGTGVCNATGCVTDTNRGCPKELQVVGGGGVVCCKSACEAFGSDQYCCCSGEFANPT. TCQPSYYSTLFKQACPKAYSYAFDDASSTC 236 GMTLP49 GGGGKCTATGCVGDLNGACPSELKVMGADGREGVVACKSACEAFNSPQYCCCSGAYGTPD. TCKPSAYSAIFKSACPRAYSYAYDDKTSTF 236 GMTLP49 GGGGCNTTSCPSDVNKVCPPNFAVKGSDGSVIACKSACEAFNSPQYCCCSGAYGTPD. TCKPSAYSAIFKSACPRAYSYAYDDKTSTF 229 GMTLP50 GGSGSCAATGCGADLNRRCPEELRVDGGDACQSACRAFGKPEFCCSDAFNSPA. ACAPSMYSQIFKAACPKSYSYAYDDATSTF 228 GMTLP51 GGGNCTATGCAADLNGCCPAELKVKTVASGECVACKSACEAFNSPQYCCCSGRYATPE. TCKASSYSQLFKSACPRAYSYAYDDATSTF 228 GMTLP52 GGTGDCQYAGCVADVNGVCPAELQVRDGSGAVVACKSACEAFNSPQYCCCSGRYATPE. TCKASSYSQLFKSACPRAYSYAYDDATSTF 225 GMTLP53 GGGGGCCSATGCVGDLNGCCPAELKVKTVASGECVACKSACEAFNSPQYCCCSGRYATPE. TCKASSYSQLFKSACPRAYSYAYDDATSTF 226 GMTLP54 GGGGGCCSATGCVGDLNGCCPAELKVMSGDGRGGVVACKSACEAFNSPQYCCCSGAYGTPD. TCKSSSYSEIFKSACPRAYSYAYDDATSTF 236 GMTLP54 GGGGGCCSATGCVGDLNGCCPAELKVMSGDGRGGVVACKSACEAFNSPQYCCSGAYASPA. TCKPSVYSQIFKSACPRAYSYAYDDATSTF 236 GMTLP54 GGGGGCCSATGCVGDLNGCCPAELKVMSGDGRGGVVA		GGGAC	JCGVAA	CEANL.	VVYCI	SSLV	VE.KNGK	. V V G C	KSACL	LAAKSDRY	CIGEFAGGRY	YCKPIV	FAKLFK	IVCPNAYSY	AYDDDSAVL	
GMTLP40 EGK		DGIRGG	JCSATG	CLVDL	VGGCI	AELR	VARSNGSRG	. SVAC	RSACE	CAFGDPRF	CESEAYSTPD.	TCGPSP	YSLFFK	HACPRAYSY	AYDDKISTY	
GmTLP41 GGSGQCKAVTCQSDLN.RNCPNGLE.VRNQSHIVGCKSACMAFNKPEYCCTGDFSNPR.KCQPTSYSYKVFKASCPQAYSYAYDDATSTF 224 GmTLP42 NGKGNCSTAGCDSDLR.NSCPKELS.LR.ANGKTVGCRSACDVFNTDEYCCKGNYGNPS.TCKPTFYSKKFKEACPTSYSYAYDDPTSIF 227 GmTLP43 GGTGDCKYAGCSEDLN.PACPAELQ.VKDGGGAVVACKSACAAFNTAEFCCTGDHSSPQ.TGSPTLYSKIFKNACPAAYSYAYDDPSSIC 231 GmTLP44 GGTGDCCYAGCSEDLN.AACPAELQ.VKDGGGE.VVACKSACAAFNTAEFCCTGDHSSPQ.TGSPTLYSKIFKNACPAAYSYAYDDPSSIC 235 GmTLP45 GGTGDCQYAGCVADVN.GVCPAELQ.VRDGAGS.VVACKSACAAFNTAEFCCTGDHSSPQ.TGSPTLYSKIFKNACPAAYSYAYDDDASSTC 234 GmTLP46 NGKGNCTTAGCDSDLR.ATCPNELA.VK.VNGK.TVGCRSACDVYNTDEYCCRGNYGNPS.TGNPFYSKKFKEACPTSYSYAYDDASSTC 234 GmTLP47 GVYG.TGVCNATGCVTDIN.RGCPKELQ.VVGGDGYQGVVGCKSACEAFGSDQYCCSGEFANPT.TGQPSYYSTLFKQACPKAYSYAYDDATSTF 238 GmTLP48 GGSGEKCTATGCVGDLN.GACPSELK.VMGADGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKPSAYSAIFKSACPRAYSYAYDDATSTF 236 GmTLP49 GGLRGCNTTSCPSDVN.KVCPPNFA.VKGSDGS.VIACKSACEAFNSPQYCCSGAYGTPD.TCKPSAYSAIFKSACPRAYSYAYDDATSTF 229 GmTLP50 GGSGSCAATGCCGADLN.RRCPEELR.VDGGDACQSACRAFGKPEFCCSDAFNSPA.AGPSMYSQIFKAACPKSYSYAYDDATSTF 228 GmTLP51 GGGNCTATGCAADLN.GGCPAELK.VKTVASGE.GVACKSACEAFNSPQYCCSGRYATPE.TCKASSYSQIFKAACPKSYSYAYDDATSTF 236 GmTLP53 GGSGGKCSATGCVGDLN.GACPSELK.VMSGDGREG.VVACKSACEAFNSPQYCCSGRYGTPD.TCKPSAYSACPRAYSYAYDDATSTF 236 GmTLP54 GGSGCCGSCGCAATGCCADLN.GGCPAELK.VKTVASGE.GVACKSACEAFNSPQYCCSGRYGTPD.TCKPSSYSYAYDDATSTF 236 GmTLP54 GGSGCCGSCCAATGCCADLN.GGCPAELK.VKTVASGE.GVACKSACEAFNSPQYCCSGRYGTPD.TCKSSSYSEIFKNACPTAYSYAYDDATSTF 236 GmTLP54 GGSGCCGSTGCLADLN.GGCPNELR.VMSGDGREG.VVACKSACEAFNSPQYCCSGRYGTPD.TCKSSSYSEIFKNACPTAYSYAYDDATSTF 236 GmTLP54 GGSGTCGSTGCLADLN.QGCPNELR.VMSACRACPSACCACAFNSPQYCCSGAYASPA.TCKPSYSYAYDDATSTF 230		GGSG	LCASTG	CTSDL	V W W C I	AELR	ASEGS	A C	KSACE	EAFGSPEY	SCSGAYGSPA.	TCRPSI	YSEMFK	AACPRSYSY	AYDDATSTF	
Gmtlp42 NGK		EGKG	VCPVVG	CRNDL	L. ATCI	KVLQ.	HK <mark>V</mark> PAGHGP	. V V A C	KSGCE	EAFHTDEL	CRNHFNNPN.	TCKGSI	YSSFFK	HACPATETE	AHDTPSLMH	
Gmtlp43 GGtGDCKYAGCSEDLNPACPAELQVKDGGGAVVACKSACAAFNTAEFCCTGDHSSPQ.TCSPTRYSKIFKNACPAAYSYAYDDPSSIC 231 Gmtlp44 GGTGDCKYAGCSEDLNAACPAELQVKDGGGEVVACKSACAAFNTAEFCCTGDHSSPQ.TCSPTLYSKIFKNACPAAYSYAYDDPSSIC 235 Gmtlp45 GGTGDCQYAGCVADVNGVCPAELQVRDGAGSVVACKSACAAFNTAEFCCTGDHSTPQ.TCSPTHHSEIFKKACPTAYSYAYDDASSTC 234 Gmtlp46 NGKGNCTTAGCDSDLRATCPNELAVK.VNGKTVGCRSACDVYNTDEYCCRGNYGNPS.TCNPTFYSKKFKEACPTSYSYAYDDPTSIF 227 Gmtlp47 GVYGTGVCNATGCVTDLNRGCPKELQVVGGDGYQGGVVGCKSACEAFGSDQYCCSGEFANPT.TCQPSYYSTLFKQACPKAYSYAFDDATSTF 238 Gmtlp48 GGSGEKCTATGCVGDLNGACPSELKWMGADGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKPSAYSAIFKSACPRAYSYAYDDRTSTF 236 Gmtlp49 GGLRGCNTTSCPSDVNKVCPPNFAVKGSDGSVIACKSARLALDQPEYCCTGPFASAD.KCPPTPYSVIFKNQCPQAYSYAYDDATSTF 229 Gmtlp50 GGSGSCAATGCGADLNRRCPEELRVDGGDACQSACRAFGKPEFCCSDAFNSPA.ACAPSMYSQIFKAACPKSYSYAYDDATSTF 228 Gmtlp51 GGGNCTATGCAADLNGCCPAELKVKTVASGEGVACKSACEAFGDPRYCCSGRYATPE.TCKASSYSQLFKSACPRAYSYAYDDATSTF 235 Gmtlp52 GGTGDCQYAGCVADVNGVCPAELQVRDGSGAVVACKSACEAFGNSPQYCCSGRYATPE.TCKASSYSQLFKSACPRAYSYAYDDATSTF 236 Gmtlp53 GGSGGKCSATGCVGDLNGACPSELKVMSGDGREG.VVACKSACEAFGSPEYCCSGAYGTPD.TCKSSSYSEIFKSACPRAYSYAYDDATSTF 236 Gmtlp54 GGSGTCGSTGCLADLNQGCPNELRWADRSACRSACEAFGSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 236		GGSG	1 CKAVI	CUSDL	N RNCI	NGLE	VRNUSH	. IVGC	KSACM	AFNKPEY	TGDFSNPR.	KCUPIS	YSKVFK	ASCPUAYSY	AYDDATSTF	
GMTLP45 GGTGDCQYAGCVADVNGVCPAELQVRDGAGSVVACKSACAAFNTAEFCCTGDHSTPQ.TCSPTHHSEIFKKACPTAYSYAYDDASSTC 234 GMTLP46 NGKGNCTTAGCDSDLRATCPNELAVK.VNGKTVGCRSACDVYNTDEYCCRGNYGNPS.TCNPTFYSKKFKEACPTSYSYAYDDPTSIF 227 GMTLP47 GVYGTGVCNATGCVTDINRGCPKELQVVGGDGYQGGVVGCKSACEAFGSDQYCCSGEFANPT.TCQPSYYSTLFKQACPKAYSYAFDDATSTF 238 GMTLP48 GGSGEKCTATGCVGDLNGACPSELKVMGADGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKPSAYSAIFKSACPRAYSYAYDDKTSTF 236 GMTLP49 GGLRGCNTTSCPSDVNKVCPPNFAVKGSDGSVIACKSARLALDQPEYCCTGPFASAD.KCPPTPYSVIFKNQCPQAYSYAYDDRTSTF 229 GMTLP50 GGSGSCAATGCGADLNRRCPEELRVDGGDACQSACRAFGKPEFCCSDAFNSPA.ACAPSMYSQIFKAACPKSYSYAYDDATSTF 228 GMTLP51 GGGNCTATGCAADLNGGCPAELKVKTVASGEGVACKSACEAFGDPRYCCSGRYATPE.TCKASSYSQLFKSACPRAYSYAYDDATSTY 235 GMTLP52 GGTGDCQYAGCVADVNGVCPAELQVRDGSGAVVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKNACPTAYSYAYDDASSTC 234 GMTLP53 GGSGGKCSATGCVGDLNGACPSELKVMSGDGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKSACPRAYSYAYDDATSTF 236 GMTLP54 GGSGTCGSTGCLADLNQGCPNELRVADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230	GmTLP42	NGKGI	NCSTAG		R NSCI	KELS	LR . ANGK	. TVGC	RSACL	OVENTDEY	CKGNYGNPS.	TCKPTF	YSKKFK	EACPTSYSY	AYDDPTSIF	227
GMTLP45 GGTGDCQYAGCVADVNGVCPAELQVRDGAGSVVACKSACAAFNTAEFCCTGDHSTPQ.TCSPTHHSEIFKKACPTAYSYAYDDASSTC 234 GMTLP46 NGKGNCTTAGCDSDLRATCPNELAVK.VNGKTVGCRSACDVYNTDEYCCRGNYGNPS.TCNPTFYSKKFKEACPTSYSYAYDDPTSIF 227 GMTLP47 GVYGTGVCNATGCVTDINRGCPKELQVVGGDGYQGGVVGCKSACEAFGSDQYCCSGEFANPT.TCQPSYYSTLFKQACPKAYSYAFDDATSTF 238 GMTLP48 GGSGEKCTATGCVGDLNGACPSELKVMGADGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKPSAYSAIFKSACPRAYSYAYDDKTSTF 236 GMTLP49 GGLRGCNTTSCPSDVNKVCPPNFAVKGSDGSVIACKSARLALDQPEYCCTGPFASAD.KCPPTPYSVIFKNQCPQAYSYAYDDRTSTF 229 GMTLP50 GGSGSCAATGCGADLNRRCPEELRVDGGDACQSACRAFGKPEFCCSDAFNSPA.ACAPSMYSQIFKAACPKSYSYAYDDATSTF 228 GMTLP51 GGGNCTATGCAADLNGGCPAELKVKTVASGEGVACKSACEAFGDPRYCCSGRYATPE.TCKASSYSQLFKSACPRAYSYAYDDATSTY 235 GMTLP52 GGTGDCQYAGCVADVNGVCPAELQVRDGSGAVVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKNACPTAYSYAYDDASSTC 234 GMTLP53 GGSGGKCSATGCVGDLNGACPSELKVMSGDGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKSACPRAYSYAYDDATSTF 236 GMTLP54 GGSGTCGSTGCLADLNQGCPNELRVADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230	GmTLP43	GGTGI	JCKYAG	CSEDL	V PACI	AELU	VKDGGGA	. V V A C	KSACA	AAFNTAEF	CTGDHSSPQ.	TCSPTR	YSKIFK	NACPAAYSY	AYDDPSSIC	231
GmTLP46 NGKGNCTTAGCDSDLR.ATCPNELA.VK.VNGKTVGCRSACDVYNTDEYCCRGNYGNPS.TCNPTFYSKKFKEACPTSYSYAYDDPTSIF 227 GmTLP47 GVYGTGVCNATGCVTDIN.RGCPKELQ.VVGGDGYQGGVVGCKSACEAFGSDQYCCSGEFANPT.TCQPSYYSTLFKQACPKAYSYAFDDATSTF 238 GmTLP48 GGSGEKCTATGCVGDLN.GACPSELK.VMGADGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKPSAYSAIFKSACPRAYSYAYDDKTSTF 236 GmTLP49 GGLRGCNTTSCPSDVN.KVCPPNFA.VKGSDGSVIACKSARLALDQPEYCCTGPFASAD.KCPPTPYSVIFKNQCPQAYSYAYDDATSTF 229 GmTLP50 GGSGSCAATGCGADLN.RRCPEELR.VDGGDACQSACRAFGKPEFCCSDAFNSPA.ACAPSMYSQIFKAACPKSYSYAYDDATSTF 228 GmTLP51 GGGNCTATGCAADLN.GGCPAELK.VKTVASGE.GVACKSACEAFGDPRYCCSGRYATPE.TCKASSYSQLFKSACPRAYSYAYDDATSTY 235 GmTLP52 GGTGDCQYAGCVADVN.GVCPAELQ.VRDGSGAVVACKSACLALNTAEYCCTGDHNTPQ.TCPPTHYSEIFKNACPTAYSYAYDDASSTC 234 GmTLP53 GGSGGKCSATGCVGDLN.GACPSELK.VMSGDGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKSACPRAYSYAYDDKTSTF 236 GmTLP54 GGSGTCGSTGCLADLN.QGCPNELR.VADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230		GGTGI	JCKYAG	CSEDL	V AACI	AELU	VKDGGGE	. V V A C	KSACA	AAFNTAEF	CTGDHSSPQ.	TCSPTL	YSKIFK	NACPAAYSY	AYDDPSSIC	
GmTLP47 GVYGTGVCNATGCVTDINRGCPKELQVVGGDGYQGGVVGCKSACEAFGSDQYCCSGEFANPT.TCQPSYYSTLFKQACPKAYSYAFDDATSTF 238 GmTLP48 GGSGEKCTATGCVGDLNGACPSELKVMGADGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKPSAYSAIFKSACPRAYSYAYDDKTSTF 236 GmTLP49 GGLRGCNTTSCPSDVNKVCPPNFAVKGSDGSVIACKSARLALDQPEYCCTGPFASAD.KCPPTPYSVIFKNQCPQAYSYAYDDRTSTF 229 GmTLP50 GGSGSCAATGCGADLNRRCPEELRVDGGDACQSACRAFGKPEFCCSDAFNSPA.ACAPSMYSQIFKAACPKSYSYAYDDATSTF 228 GmTLP51 GGGNCTATGCAADLNGGCPAELKVKTVASGEGVACKSACEAFGDPRYCCSGRYATPE.TCKASSYSQLFKSACPRAYSYAYDDATSTY 235 GmTLP52 GGTGDCQYAGCVADVNGVCPAELQVRDGSGAVVACKSACLALNTAEYCCTGDHNTPQ.TCPPTHYSEIFKNACPTAYSYAYDDASSTC 234 GmTLP53 GGSGGKCSATGCVGDLNGACPSELKVMSGDGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKSACPRAYSYAYDDKTSTF 236 GmTLP54 GGSGTCGSTGCLADLNQGCPNELRVADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230						AELQ	VRDGAGS	. V V A C	KSACA	AAFNTAEF	CTGDHSTPQ.	TCSPTH	HSEIFK	KACPTAYSY	AYDDASSTC	
GmTLP48 GGSGEKCTATGCVGDLNGACPSELKVMGADGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKPSAYSAIFKSACPRAYSYAYDDKTSTF 236 GmTLP49 GGLRGCNTTSCPSDVNKVCPPNFAVKGSDGSVIACKSARLALDQPEYCCTGPFASAD.KCPPTPYSVIFKNQCPQAYSYAYDDRTSTF 229 GmTLP50 GGSGSCAATGCGADLNRRCPEELRVDGGDACQSACRAFGKPEFCCSDAFNSPA.ACAPSMYSQIFKAACPKSYSYAYDDATSTF 228 GmTLP51 GGGNCTATGCAADLNGGCPAELKVKTVASGEGVACKSACEAFGDPRYCCSGRYATPE.TCKASSYSQLFKSACPRAYSYAYDDATSTY 235 GmTLP52 GGTGDCQYAGCVADVNGVCPAELQVRDGSGAVVACKSACLALNTAEYCCTGDHNTPQ.TCPPTHYSEIFKNACPTAYSYAYDDASSTC 234 GmTLP53 GGSGGKCSATGCVGDLNGACPSELKVMSGDGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKSACPRAYSYAYDDKTSTF 236 GmTLP54 GGSGTCGSTGCLADLNQGCPNELRVADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230		NGKGI	NCTTAG	CDSDL	R ATCI	NELA	VK.VNGK	. TVGC	RSACL	OVYNTDEY	CRGNYGNPS.	TCNPTF	YSKKFK	EACPTSYSY	AYDDPTSIF	
GmTLP50 GGSGSCAATGCGADLN.RRCPEELR.VDGGDACQSACRAFGKPEFCCSDAFNSPA.ACAPSMYSQIFKAACPKSYSYAYDDATSTF 228 GmTLP51 GGGNCTATGCAADLN.GGCPAELK.VKTVASGE.GVACKSACEAFGDPRYCCSGRYATPE.TCKASSYSQLFKSACPRAYSYAYDDATSTY 235 GmTLP52 GGTGDCQYAGCVADVN.GVCPAELQ.VRDGSGAVVACKSACLALNTAEYCCTGDHNTPQ.TCPPTHYSEIFKNACPTAYSYAYDDASSTC 234 GmTLP53 GGSGGKCSATGCVGDLN.GACPSELK.VMSGDGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKSACPRAYSYAYDDKTSTF 236 GmTLP54 GGSGTCGSTGCLADLN.QGCPNELR.VADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230		GVYGTG	V C N A T G	CVTDL	V RGCI	KELQ	VVGGDGYQG	GVVGC	KSACE	EAFGSDQY	CSGEFANPT.	TCQPSY	YSTLFK	QACPKAYSY	AFDDATSTF	
GmTLP50 GGSGSCAATGCGADLN.RRCPEELR.VDGGDACQSACRAFGKPEFCCSDAFNSPA.ACAPSMYSQIFKAACPKSYSYAYDDATSTF 228 GmTLP51 GGGNCTATGCAADLN.GGCPAELK.VKTVASGE.GVACKSACEAFGDPRYCCSGRYATPE.TCKASSYSQLFKSACPRAYSYAYDDATSTY 235 GmTLP52 GGTGDCQYAGCVADVN.GVCPAELQ.VRDGSGAVVACKSACLALNTAEYCCTGDHNTPQ.TCPPTHYSEIFKNACPTAYSYAYDDASSTC 234 GmTLP53 GGSGGKCSATGCVGDLN.GACPSELK.VMSGDGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKSACPRAYSYAYDDKTSTF 236 GmTLP54 GGSGTCGSTGCLADLN.QGCPNELR.VADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230		GGSGEl	KCTATG	CVGDL	VGACI	SELK	VMGADGREG	. V V AC	KSACE	CAFNSPQY	CSGAYGTPD.	TCKPSA	YSAIFK	SACPRAYSY	AYDDK <mark>T</mark> STF	
GmTLP51 GGGNCTATGCAADLNGGCPAELKVKTVASGEGVACKSACEAFGDPRYCCSGRYATPE.TCKASSYSQLFKSACPRAYSYAYDDATSTY 235 GmTLP52 GGTGDCQYAGCVADVNGVCPAELQVRDGSGAVVACKSACLALNTAEYCCTGDHNTPQ.TCPPTHYSEIFKNACPTAYSYAYDDASSTC 234 GmTLP53 GGSGGKCSATGCVGDLNGACPSELKVMSGDGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKSACPRAYSYAYDDKTSTF 236 GmTLP54 GGSGTCGSTGCLADLNQGCPNELRVADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230		GGLRO	JCNTTS	CPSDV	VKVCI	PNFA	VKGSDGS	.VIAC	KSARI	LALDQPEY	CIGPFASAD.	KCPPTP	YSVIFK	NUCPQAYSY	AYDDR <mark>T</mark> STF	
GmTLP53 GGSGGKCSATGCVGDLNGACPSELKVMSGDGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKSACPRAYSYAYDDKTSTF 236 GmTLP54 GGSGTCGSTGCLADLNQGCPNELRVADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230		GGSGS	SCAATG	GADL	V RRCI	LLLR	<mark>v</mark> DGGD	AC	US A C F	KAFGKPEF	CSDAFNSPA.	ACAPSM	YSŲIFK	AACPKSYSY	AYDDA <mark>T</mark> STF	
GmTLP53 GGSGGKCSATGCVGDLNGACPSELKVMSGDGREG.VVACKSACEAFNSPQYCCSGAYGTPD.TCKSSSYSEIFKSACPRAYSYAYDDKTSTF 236 GmTLP54 GGSGTCGSTGCLADLNQGCPNELRVADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230		GGG	NCTATG	CAADL	VGGCI	ALLK	VKTVASGE.	. GVAC	KSACE	EAFGDPRY	CSGRYATPE.	ICKASS	YSULFK	SACPRAYSY	AYDDA <mark>T</mark> STY	
GmTLP54 GGSGTCGSTGCLADLNQGCPNELRVADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230		GGTGI	CQYAG	CVADV	VGVCI	AELQ	VRDGSGA	. V V A C	KSACI	LALNTAEY	TGDHNTPQ.	TCPPTH	YSEIFK	NACPTAYSY	AYDDA <mark>S</mark> STC	
GMTLP54 GGSGTGGSTGCLADLNQGCPNEURVADRSACRSACEAFQSPEYCCSGAYASPA.TCKPSVYSQIFKSACPKSYSYAYDDATSTF 230 GMTLP55 ITNPKCNIPGCLKDLKGLCPPELEVLNSKGEIVACKSACLAFDNDKFCCRNQYGSPG.KCKPSVYSKIFKDACPNYFSYAFDTPTPLV 235		GGSGGI	KCSATG	CVGDL	VGACI	SELK	VMSGDGREG	.VVAC	KSACE	EAFNSPQY	CSGAYGTPD.	TCKSSS	YSEIFK	SACPRAYSY	AYDDK <mark>T</mark> STF	
GmTLP55 ITNPKCNIPGCLKDLKGLCPPELEVLNSKGEIVACKSACLAFDNDKECCRNQYGSPG.KCKPSVYSKIFKDACPNYFSYAFDTPTPLV 235		GGSG	rcgstg	CLADL	VQGCI	NELR	VADRS	AC	RSACE	EAFQSPEY	CSGAYASPA.	TCKPSV	YSQIFK	SACPKSYSY	AYDDA <mark>T</mark> STF	
	GmTLP55	1TNPl	KUNIPG	CLKDL	KGLCI	PELE	<mark>V</mark> LNSKGE	. IVAC	KSACI	LAFUNDK <mark>F</mark>	KNUYGSPG.	KCKPSV	YSKIFK	DACPNYFSY	AFDTPTPLV	235

	240	
GmTLP1	. TCSG.AD.YTTTFCP	243
GmTLP2	.TCAT.AD.YTITFCP	247
GmTLP3	.TCSS.HD.YT <mark>I</mark> TFCP	249
GmTLP4	.TCMG.SD.YR <mark>V</mark> VFCP	223
GmTLP5	. TCPAGSN . YK <mark>V</mark> VFCP	223
GmTLP6	.TCTA.AD.YT <mark>V</mark> TFCP	244
GmTLP7	. ICKA.FE.YD <mark>I</mark> IFCP	251
GmTLP8	. ICKA.HR.YV <mark>I</mark> TFCP	243
GmTLP9	. TCASAAA. YT <mark>I</mark> TFCP	248
GmTLP10	.TCSA.SD.YV <mark>I</mark> TFCP	153
GmTLP11	.TCVS.AD. <mark>F</mark> T <mark>I</mark> TFCP	221
GmTLP12	. TCKA.YE. YD <mark>I</mark> VFCP	157
GmTLP13	.TCSK.AN.FVVIFCG	240
GmTLP14	. TCNGGTD . YR <mark>V</mark> VFCP	224
GmTLP15	. TCKGGTN . YR <mark>V</mark> VFCP	222
GmTLP16	.TCTK.AN.YF <mark>L</mark> TFCP	242
GmTLP17	. <mark>TC</mark> ASAAA. YT <mark>I</mark> TFCP	248
GmTLP18	.TCKA.NE.YD <mark>I</mark> VFCP	219
GmTLP19	. <mark>TC</mark> AS.AQYYT <mark>V</mark> TFCP	219
GmTLP20	.RCRA.PR.YV <mark>I</mark> TFCP	242
GmTLP21	.TCTK.AN.YLVTFCP	250
GmTLP22	.TCSK.AD.FVVIFCG	241
GmTLP23	.TCSGGAN.YS <mark>I</mark> TFCP	179
GmTLP24	.TCQG.AN.YL <mark>I</mark> RFC.	166
GmTLP25	.TCFNGPD.YAIIFCP	243
GmTLP26	.TCSNRPD.YAITFCP	263
GmTLP27	.TCSNRPD.YAITFCP	242
GmTLP28	.TCFNGPD.YA <mark>I</mark> IFCP .TCSNRPD.YA I TFCP	243 261
GmTLP29 GmTLP30	. QCKG. ADSYDITFCP	261
GmTLP30	. TCMGGSD . YRLVFCP	236 224
GmTLP31	. TCAS. AD. YTITFCP	247
GmTLP33	. TCSG. AD. YTTTFCP	241
GmTLP34	. TCAN . AN . YL I IFCP	247
GmTLP35	. TCSG. VD. YTVTFCP	34
GmTLP36	.QCSSPRE.LKVIFCH	248
GmTLP37	KTCVA.PR.YVITFCP	249
GmTLP38	.TCAN.AN.YLIIFCP	247
GmTLP39	.TCSG.AD.YT <mark>V</mark> TFCP	240
GmTLP40	.QCSSPRE.LKVIFCH	248
GmTLP41	.TCQG.AN.YL <mark>I</mark> RFC.	236
GmTLP42	.TCTG.TD.YV <mark>I</mark> AFCS	240
GmTLP43	.TCSG.SD.YV <mark>I</mark> TFCP	244
GmTLP44	.TCSG.SD.YV <mark>I</mark> TFCP	248
GmTLP45	.TCSG.SD.YR <mark>I</mark> TFCP	247
GmTLP46	.TCSG.TD.YV <mark>V</mark> AFCA	240
GmTLP47	. ICKA.FE.YDIVFCP	251
GmTLP48	.TCAS.AD.YT <mark>I</mark> TFCP	249
GmTLP49	.TCSGEQT.TPSHFAP	243
GmTLP50	. <mark>TC</mark> TA.AD.YT <mark>V</mark> TFCP	241
GmTLP51	.TCAS.AD.YR <mark>I</mark> TFCP	248
GmTLP52	.TCSG.SD.YR <mark>I</mark> TFCS	247
GmTLP53	.TCAS.AD.YTITFCP	249
GmTLP54	.TCTG.AD.YTITFCP	243
GmTLP55	.SCAS.SE.FIITFCP	248

non-conserved
 similar

 \times \geq 80% conserved