




GmTLP1	MALF	10	20	30	40	50	60	
GmTLP2	M							
GmTLP3	MSAGNSV							
GmTLP4								
GmTLP5	MVY							
GmTLP6	MSPFF							
GmTLP7	MPIV							
GmTLP8								
GmTLP9	MDQ							
GmTLP10	MPYR							
GmTLP11								
GmTLP12								
GmTLP13	MASPH							
GmTLP14	M							
GmTLP15								
GmTLP16	M							
GmTLP17	MDH							
GmTLP18								
GmTLP19								
GmTLP20								
GmTLP21	MAMM							
GmTLP22	MANPH							
GmTLP23	MSQLHG							
GmTLP24	MV							
GmTLP25								
GmTLP26	MTSNMQNSPLHLQENY							
GmTLP27								
GmTLP28								
GmTLP29	MAPTMQNSPLHLQNE							
GmTLP30								
GmTLP31								
GmTLP32	M							
GmTLP33	MALF							
GmTLP34	MGRLLLLF							
GmTLP35								
GmTLP36								
GmTLP37								
GmTLP38	MGRLLLLF							
GmTLP39	MGL							
GmTLP40								
GmTLP41	MA							
GmTLP42	MA							
GmTLP43	MALI							
GmTLP44	MALI							
GmTLP45	MALI							
GmTLP46	MA							
GmTLP47	MPIV							
GmTLP48	MDR							
GmTLP49								
GmTLP50	MSPY							
GmTLP51	MSA							
GmTLP52	MALI							
GmTLP53	MDR							
GmTLP54	MDS							
GmTLP55	MQ							

	70	80	90	100	110	120	130	140																					
GmTLP1	KGGSRSFQAPTG.	WSGRFWGRTG	CQFD.	GL.	GKGT	CATADCG	SGEVNCNGAGA.	SPPATLA	EFTLGTG....	SMDYYD	VSLVDG	YNLPM	MMVAR....	147															
GmTLP2	PGESNVIAPVAA.	WSGRLWGRTF	CTQD.	AT.	GKFS	CVTGDCG	SSAVECNGGGA.	APPATLA	EFTLNGA...	G.GLD	FFD	VSLVDG	YNLPM	VEPQ....	146														
GmTLP3	PGDFKIVPVPPA.	WSGRLWGRIT	CLSLDITS.		TKFS	CVTGDCG	STTIECVG	GNNA.	TPPVTL	VKFTL	NGT...	G.GLD	FFD	VSLVDG	YNLPM	VRVEPR....	178												
GmTLP4	PGESWNISVTNGTTR	GRIWGRTN	CTFD.	NA.	GRGK	CLTGDC	E.GVLECN	KTG...	TPPNT	TVDFAL	NQY...	N.NLD	FFD	VSLVDG	YNLPM	QLTPT....	135												
GmTLP5	RCQTWNLWVNPGTAM	ARIWGRTG	CNFD.	GS.	GRGR	CQTGDC	T.GGLNC	QCGW...	VPPNT	TLAE	FALNQF...	G.NQD	FFD	VSLVDG	YNLPM	DFYPL....	133												
GmTLP6	RCSTRITFDGPPG.	WSGRFWGRTG	CQFD.	QS.	GQGT	CATGDCG	SGQVTC	NGAGA.	TPPAT	TLA	EFTL	GEG....	APD	YYD	VSLVDG	YNLPM	V	DAS....	148										
GmTLP7	SGQMMKLTSVPG.	WSGRIWARTG	CTFD.	AT.	GIGK	CQTGDCG	GRLECD	GNGA.	APPT	SLFEI	TLGKG...	N.DQD	YYD	VSV	MVDG	YNLPL	L	VQPR....	146										
GmTLP8	SGDEVVLEVP	EG.	WSGRIWGR	QGC	CFD	TKT.	GKGT	CETGDCG	GLLK	ECG	MGG...	V.PPAT	TL	VEM	TLG	TP...	Q.SAL	H	FYD	VSLVDG	YNLPM	VS	MKPV....	144					
GmTLP9	TGESKTVTAPTS.	WGGRFWGR	TLCTQD.	SA.	GKFS	CLSGDCG	SGKLEC	AGNAA.	TPPAT	TLA	EFTL	DGA...	G.GLD	FFD	VSLVDG	YNLPM	L	VAPQ....	145										
GmTLP10	SCA	GGMK	CTG	GG.	VPPV	TLA	EFTI	GTG...	S.AQD	FFD	VSLVDG	YNLPM	V	AMG	V	RAT....	53							
GmTLP11	PGDTINTIQVPPT.	WSGRLWGRTL	C	SYN.	IT.	GSFT	CVTGDC	ISST	VECGG...	A.	TAPV	TLA	EFTL	NGT...	G.GLD	YFD	VSLVDG	YNLPM	L	V	VEPR....	137							
GmTLP12	NAKQV	TC	GRLE	CEG	NGS...	APPT	SLFEI	TLGAG...	N.GQD	YYD	VSV	MVDG	YNLPL	L	L	PR....	60								
GmTLP13	SGQSTVYTAPDG.	WSGRIWARTG	CNFD.	NN.	GNGK	CQTGCG	TSIN	CTVPG...	SPPAT	SA	D	TLGE....	PD	FYD	VSLVDG	YNLPM	L	V	KAI....	141									
GmTLP14	PGQSWSDVPAGTKG	ARVWARTG	CNFD.	GS.	GRGG	CQTGDCG	GVLDC	KAYG...	APPNT	TLA	EYGL	NGF...	N.NLD	FFD	VSLVDG	YNLPM	D	S	PT....	135									
GmTLP15	SGQSWALDVPAGTKG	ARVWARTG	CNFD.	GS.	GRGG	CQTGDCG	GVLDC	KAYG...	TPPNT	TLA	EYAL	NQF...	S.NLD	FFD	VSLVDG	YNLPM	D	S	PT....	133									
GmTLP16	PNRAYSLQLPAL.	WSGRFWGR	HGCAFD.	VG.	GRGR	CATGDCG	GSLFC	NGIGG...	SPPAT	TLA	E	TLGNE....	QD	FYD	VSLVDG	YNLPM	L	S	TPF....	141									
GmTLP17	TAESKTVTAPTS.	WGGRFWGR	TLCTQD.	SA.	GKFS	CITGDCG	SGKLEC	AGSGA.	TPPAT	TLA	EFTL	DGA...	G.GLD	FFD	VSLVDG	YNLPM	L	V	APQ....	145									
GmTLP18	TGQSIKLTTPVG.	WSGRIWARTG	CTFD.	AT.	GVGK	CQTGDCG	GRLECD	GNGA.	APPT	SLFEI	TLGAG...	N.GQD	FFD	VSV	MVDG	YNLPL	L	L	PR....	116									
GmTLP19	PGKSYMVTMPTG.	EVKVWART	FCSYS.	IA.	GNFS	CFTGDC	SSNID	CRGNANPK	PPV	TLA	EFTL	NGS...	Y.GLD	Y	KV	SLR	E	GNLPM	S	TEPG....	141								
GmTLP20	SGEEVLDVPEK.	WSGRIWGR	QGC	SFD.	ND.	GHGH	CLTGDCN	GMLHCR	GGG...	V.PPAT	TL	VEM	TLGSS...	SSPL	H	FYD	VSLVDG	YNLPM	D	S	MKPV....	143							
GmTLP21	PNRAYSLQLPAL.	WSGRFWGR	HGCSFD.	AG.	GRGR	CATGDCG	GSLFC	NGIGG...	SPPAT	TLA	EFTL	NGNE....	QD	FYD	VSLVDG	YNLPM	L	S	TPF....	149									
GmTLP22	SGQTTVYTAPDG.	WSGRIWARTG	C	DFD.	NN.	GNGK	CKTGCG	TSIN	CTPG...	SPPAT	SA	D	TLGE....	PD	FYD	VSLVDG	YNLPM	L	V	KAI....	142								
GmTLP23	AQQTHM	GNSL	VPLV	TVDQ	VK	ASW...	NPPV	SL	V	EFTL	ASN...	K.GQD	FFD	V	V	VSLVDG	YNLPM	L	V	L	TPQ....	78			
GmTLP24	RHGC	I	F	D	SS.	SGST	CITGDCG	GKLK	CDG	VGG...	APPAT	SLA	EFTL	D	SQ....	EGD	FFD	V	V	VSLVDG	YNLPM	L	V	S	I	FPT....	68
GmTLP25	PGGTNSVNIPSP.	WSGRFWARTG	C	SNN...	GGFT	CDTGDC	ASGQ	VECN																					

GmTLP1	150	GGG.....GS	160	CGATGCGEDLN..	170	RRCPSELR..	180	VEGGD.....	190	ACQ	200	SACGAFGKPEYCCNGAFSNPS..	210	TCKP	220	SMYSQMFKSTCPKAYSAY	230	DDATSTF	230
GmTLP2	GGTG...AGN	CGTATG	CVVDLN..	TPCPAELM..	VMSSGE...	GVA	CKSACEAFDDPQYCCSGAYATPD..	TCKP	SSYSQFFKSA	CPRAYSAY	DDGSS	STF	234						234
GmTLP3	GG.....	RNRRTATG	CEMDLN..	LSCPTELK..	VI.RDGD...	AVA	CKSSCQA.....	EPCLTS	QFFKTAC	CPGAHVH.....	236								236
GmTLP4	.....YN	CSSVKCAADII..	GECPTQLQ..	VPG.....	GCNNPCTV	FNTTQYCCSTGAA...	GCGP	TDYSKFFKER	CPDAYSYPM	DDAT	SMF	210							210
GmTLP5	N.....GG	CHKISCSADIN..	GQCPGLR..	APG.....	GCNNPCTV	FKTNEYCCCTNGQG...	SCGP	TNYSRFFKDR	CHDSYSYPQ	DDPT	STF	209							209
GmTLP6	GGG.....	GACAATGCGADLN..	RRCPAELR..	VDGGD.....	ACQ	SACRAFGKPEFCCSGAFNSPA..	ACAP	SMYSQIFKAA	CPKSYSYAF	DDAT	STF	231							231
GmTLP7	GVYG...TGV	CNATGCVTDIN..	RGCPKELQ..	VVGDAYQDGVV	CKSACEAFGSDQYCCSGEFANPT..	TCQP	SYSTLKFQAC	CPKAYSAY	FDDAT	STF	238								238
GmTLP8	GGG....IG	CGVAA	CEANLN..	VCCPFALV..	MK.RQGK...	VVG	CKSACLAAKSDRYCCTGEFATPK..	SCKPSAFSRLFKTI	CPKAYSAY	DDST	GLK	230							230
GmTLP9	GGSG....	DNCTSTGCVGDLN..	GACPSLR..	VTSVDGKQ..	SVACKSACEAFGSPQYCCSGAYGSP..	TCKP	SPYSQIFKNAC	CPRAYSAY	DDKT	STF	234								234
GmTLP10	GGT....GN	CQYAGCVTDLN..	GKCPTELQ..	VTAEGGS...	IVACKSACAAFNAAEFCCTGEYSTPQ..	TCKP	TQYSEIFKSAC	CPAYSAY	DDAT	STC	14								14
GmTLP11	SAIG...AEN	CRATGCRRLN..	KKCPVELQ..	VIKEGEG...	VVG	CKSSCEVHE.....	PC..	SNNSNLFSHFLKTR	CPDAYHNA.....	SF	208								208
GmTLP12	GVYG...GV	CNATGCITDLN..	RGCPRELQ..	LLGGHQNNQ..	VVG	CRSACEAFKTDKYCCR.....	N..	TCKP	SYSTIFKKA	CPRSYSAF	DDGT	STF	144						144
GmTLP13	NGT....GN	CSTVGCDDLR..	QNCPSELA..	SK.DNDK...	VIA	CRSACDVNTDEYCCRGTYGNPA..	TCLAS	NYSKIFKQVCPAAYS	FALDDPT	SLI	227								227
GmTLP14	SN.....GCT	RGISCTADIN..	GQCPSLR..	TQG.....	GCNNPCTV	FKTDQYCCNSG...	SCGP	TDYSRFFKQR	CPDAYSYPKDDPT	STF	210								210
GmTLP15	SN.....GCT	RGIRCTADIN..	GQCPSLR..	TQG.....	GCNNPCTV	FKTDQYCCNSG...	SCVP	TDYSRFFKQR	CPDAYSYPKDDPT	STF	208								208
GmTLP16	KGS....GK	CSYAGCVSDLN..	TMCVGLQ..	VRSRDNKR..	VVACKSACS	AFNSPKYCCGTSGYSPQ..	ACKP	TVYSKIFKTA	CPKAYSAY	DDPT	SIA	229							229
GmTLP17	GGSG....	DNCTSTGCGADLN..	GACPSLR..	VTSVDGKQ..	SVACKSACEAFGSPQYCCSGAYGSPN..	TCKP	SPYSQIFKNAC	CPRAYSAY	DDKT	STF	234								234
GmTLP18	GVYG....	DACNSTGCITDLN..	RGCPKELQ..	LLGGDQNR..	VVG	CRSACEAFKTDKYCCSGAFANPN..	TCQP	SYSTIFKKA	CPRAYSAY	FDDGT	STF	206							206
GmTLP19	.....GS	CRSTGCGRDLN..	QKCPTELK..	VIIDGGD...	VVG	CCSLCQAHE.....	TCKST	LFSEFSKTKCPEAYQH.....	GSF	205									205
GmTLP20	GGG....VG	CGVASCEVDLN..	VCCPSALE..	VK.RNGK...	VVG	CKSACLAMQSAKYCCTGSYSDPK..	TCKP	TLFAHLFKAI	CPKAYSAY	DDSS	SLN	229							229
GmTLP21	KGS....GK	CSYAGCVSDLN..	TMCVGLQ..	VRSRDNKR..	VVACKSACS	AFNSPRYCCGTSGYSPQ..	ACKP	TVYSKIFKTA	CPKAYSAY	DDPT	SIA	237							237
GmTLP22	NGT....GN	CSTVGCDDLR..	QNCPSELA..	SK.DNDK...	VIA	CRSACDVNTDDYCCRGTYGNPA..	TCLAS	NYSKIFKQVCPAAYS	FALDDPT	SLI	228								228
GmTLP23	GGL....RG	CNTTSSPSDLN..	KVYPPSFS..	VKGSDGS...	VIA	CKSACLALNQPEYCCGTGPFASAD..	KCPPT	TPYSIIFKNMCPQAYSAY	DDRT	STF	165								165
GmTLP24	GGG....RQ	CKAVTCRDLN..	RNCPSRL..	VRNQSH...	IVG	CKSACMAFNKPEYCCGTGYFNSPK..	KCQP	TSYSKVFASCPQAYSAY	DDAT	STF	154								154
GmTLP25	GGG....GE	CKTSSCPNNINDVNVCPSELQ..	VKGSDGN...	VIA	CNSACVAFNEDQYCCRGDYDTEE..	TCPT	PNYSQIFEEQCPDAYSYAY	DDKS	STF	229									229
GmTLP26	GGG....GD	CKTSSCPKNIN..	SVCPAELQ..	VKGSDGN...	VIA	CKSACEAFKEDRYCCTGPNNTAE..	TCPT	PNYSQIFEEQCPDAYSYAY	DDKS	STF	249								249
GmTLP27	GGG....GD	CKTSSCPKNIN..	SVCPAELQ..	VKGSDGN...	VIA	CKSACEAFKEDRYCCTGPNNTAE..	TCPT	PNYSQIFEEQCPDAYSYAY	DDKS	STF	228								228
GmTLP28	GGG....GE	CKTSSCPNNINDVNVCPSELQ..	VKGSDGN...	VIA	CNSACVAFNEDQYCCRGDYDTEE..	TCPT	PNYSQIFEEQCPDAYSYAY	DDKS	STF	229									229
GmTLP29	GGG....GD	CKTSSCPKNIN..	SVCPAELQ..	VKGSDGN...	VIA	CKSACEAFKEDRYCCTGPNNTAE..	TCPT	PNYSQIFEEQCPDAYSYAY	DDKS	STF	247								247
GmTLP30	GGTLVDGSGP	CPMVDCNKEIS..	SVCPLDLI..	AGNKNDQ...	YVG	CNSPCDGYKDPKYCCNGN.....	GCGP	DEISVKYKGLCPFAHTYPGD	NQPPIY	224									224
GmTLP31	.....YN	CSSVKCAADII..	GECPTQLQ..	VPG.....	GCNNPCTV	FNTTQYCCSTGAA...	GCGP	TDYSKFFKER	CPDAYSYPMDDAT	SMF	210								210
GmTLP32	GGSG...AGN	CSATGCVVDLN..	TPCPTTELK..	VMSSGD...	GVA	CKSACEAFDDPQYCCSGAYATPD..	TCKP	SSYSQFFKSA	CPRAYSAY	DDGSS	STF	234							234
GmTLP33	GGG.....GS	CAATGCGEDLN..	RRCPSELR..	VEGGD.....	ACQ	SACGAFGKPEYCCNGAFSNPS..	TCKP	SMYSQMFKSVCPKAYSAY	DDAT	STF	228								228
GmTLP34	DGTR....GG	CSATGCLVDLN..	GGCPAELR..	VARSNGSRG..	SVACRSACEAFGDPRFCCSEAYSTPD..	MCGP	SPYSLFFKHAC	CPRAYSAY	DDKT	STY	234								234
GmTLP35	.....GV	CPVVGCRDDLL..	ATCPHVLQHRVPAVHGP...	VVACKSGCEAFHTDELCCRNHFNNPS..	TCKG	SIYSSFFKHAYPATFTFAHDTPLSMH	234												234
GmTLP36	EGK....AG	CGVAA	CEANLN..	VYCPSSLV..	VE.RNGK...	VVG	CKSACLAAKSDRYCCTGEFAGGRYCKPTVFARLFKTVCPNAYSAY	DDSS	AVL	235									235
GmTLP37	GGG....AG	CGVAA	CEANLN..	VYCPSSLV..	VE.RNGK...	VVG	CKSACLAAKSDRYCCTGEFAGGRYCKPTVFARLFKTVCPNAYSAY	DDSS	AVL	235									235
GmTLP38	DGIR....GG	CSATGCLVDLN..	GGCPAELR..	VARSNGSRG..	SVACRSACEAFGDPRFCCSEAYSTPD..	TCGP	SPYSLFFKHAC	CPRAYSAY	DDKT	STY	234								234
GmTLP39	GGG....GL	CASTGCTSDLN..	QQCPAELR..	ASEGS.....	ACKSACEAFGSPEYCCSGAYGSPA..	TCRP	SIYSEMFKAA	CPRSYSYAY	DDAT	STF	227								227
GmTLP40	EGK....GV	CPVVGCRNDLL..	ATCPHVLQHRVPAVHGP...	VVACKSGCEAFHTDELCCRNHFNNPN..	TCKG	SIYSSFFKHACPATFTFAHDTPLSMH	234												234
GmTLP41	GGG....GQ	CKAVTCQSDLN..	RNCPNLE..	VRNQSH...	IVG	CKSACMAFNKPEYCCGTGDFSNPR..	KCQP	TSYSKVFASCPQAYSAY	DDAT	STF	224								224
GmTLP42	NGK....GN	CSTAGCSDLR..	NSCPKELS..	LR.ANGK...	TVG	CRSACDVNTDEYCCCKGNYGNPS..	TCKPT	FYSKKFKEACPTSYSAFDDPT	SIF	227									227
GmTLP43	GGT....GD	CKYAGCSEDLN..	PACPAELQ..	VKDGGGA...	VVACKSACAAFNNTAEFCCTGDHSSPQ..	TCSP	TRYSKIIFKNACPAAYSAY	DDPSS	SIC	231									231
GmTLP44	GGT....GD	CKYAGCSEDLN..	AACPAELQ..	VKDGGGE...	VVACKSACAAFNNTAEFCCTGDHSSPQ..	TCSP	TLYSKIIFKNACPAAYSAY	DDPSS	SIC	235									235
GmTLP45	GGT....GD	CQYAGCVADVN..	GVCPAELQ..	VRDGAGS...	VVACKSACAAFNNTAEFCCTGDHSTPQ..	TCSP	THSEIFKKA	CPTAYSAY	DDAS	STC	234								234
GmTLP46	NGK....GN	CTTAGCSDLR..	ATCPNELA..	VK.VNGK...	TVG	CRSACDVNTDEYCCCKGNYGNPS..	TCNP	TFYSKKFKEACPTSYSAFDDPT	SIF	227									227
GmTLP47	GVYG...TGV	CNATGCVTDIN..	RGCPKELQ..	VVGDDGYQGGVVG	CKSACEAFGSDQYCCSGEFANPT..	TCQP	SYSTLKFQAC	CPKAYSAY	FDDAT	STF	238								238
GmTLP48	GGSG....	EKCTATGCVGDLN..	GACPSLR..	VMGADGREG..	VVACKSACEAFNSPQYCCSGAYGTPD..	TCKP	SAYSIAIFKSAC	CPRAYSAY	DDKT	STF	236								236
GmTLP49	GGL....RG	CNTTSCPSDLN..	KVCPNFA..	VKGSDGS...	VIA	CKSARLALDQPEYCCGTGPFASAD..	KCPPT	TPYSVIFKNQCPQAYSAY	DDRT	STF	229								229
GmTLP50	GGG....GS	CAATGCGADLN..	RRCPSELR..	VDGGD.....	ACQ	SACRAFGKPEFCCSDAFNSPA..	ACAP	SMYSQIFKAA	CPKSYSYAY	DDAT	STF	228							228
GmTLP51	GG.....GN	CTATGCAADLN..	GGCPAELK..	VKTVASGE..	GVA	CKSACEAFGDPRYCCSGRYATPE..	TCKAS	SSYSQLFKSA	CPRAYSAY	DDAT	STY	235							235
GmTLP52	GGT....GD	CQYAGCVADVN..	GVCPAELQ..	VRDGSGA...	VVACKSACLALNTAEYCCGTGDHNTTPQ..	TCPT	THYSEIFKNAC	CPTAYSAY	DDAS	STC	234								234
GmTLP53	GGSG....	GKCSATGCGVDLN..	GACPSLR..	VMSGDGREG..	VVACKSACEAFNSPQYCCSGAYGTPD..	TCKSS	YSYSEIFKSAC	CPRAYSAY	DDKT	STF	236								236
GmTLP54	GGG....GT	CGSTGCLADLN..	QGCPSLR..	VADRS.....	ACRSACEAFGSPEYCCSGAYASPA..	TCKP	SVYSQIFKSAC	CPKSYSYAY	DDAT	STF	230								230
GmTLP55	ITN....PK	CNIPGCLKDLK..	GLCPPELE..	VLNSKGE...	IVACKSACLAFDNDKFCRNQYGSPG..	KCKP	SVYSKIIFKDA	CPNYFSYAFDTP	PLV	235									235

GmTLP1	.TCSG.AD.YTITFCP	243
GmTLP2	.TCAT.AD.YTITFCP	247
GmTLP3	.TCSS.HD.YTITFCP	249
GmTLP4	.TCMG.SD.YRVVFCP	223
GmTLP5	.TCPAGSN.YKVVF	223
GmTLP6	.TCTA.AD.YTVTF	244
GmTLP7	.ICKA.FE.YDIIFCP	251
GmTLP8	.ICKA.HR.YVITFCP	243
GmTLP9	.TCASAAA.YTITFCP	248
GmTLP10	.TCSA.SD.YVITFCP	153
GmTLP11	.TCVS.AD.FTITFCP	221
GmTLP12	.TCKA.YE.YDIVFCP	157
GmTLP13	.TCSK.AN.FVVIFCG	240
GmTLP14	.TCNGGTD.YRVVFCP	224
GmTLP15	.TCKGGTN.YRVVFCP	222
GmTLP16	.TCTK.AN.YFLTFCP	242
GmTLP17	.TCASAAA.YTITFCP	248
GmTLP18	.TCKA.NE.YDIVFCP	219
GmTLP19	.TCAS.AQY.YTVTF	219
GmTLP20	.RCRA.PR.YVITFCP	242
GmTLP21	.TCTK.AN.YLVTFCP	250
GmTLP22	.TCSK.AD.FVVIFCG	241
GmTLP23	.TCSGGAN.YSITFCP	179
GmTLP24	.TCQG.AN.YLIRFC.	166
GmTLP25	.TCFNGPD.YAIIFCP	243
GmTLP26	.TCSNRPD.YAITFCP	263
GmTLP27	.TCSNRPD.YAITFCP	242
GmTLP28	.TCFNGPD.YAIIFCP	243
GmTLP29	.TCSNRPD.YAITFCP	261
GmTLP30	.QCKG.ADS.YDITFCP	238
GmTLP31	.TCMGGSD.YRLVFCP	224
GmTLP32	.TCAS.AD.YTITFCP	247
GmTLP33	.TCSG.AD.YTITFCP	241
GmTLP34	.TCAN.AN.YLIIFCP	247
GmTLP35	.TCSG.VD.YTVTF	34
GmTLP36	.QCSSPRE.LKVIFCH	248
GmTLP37	KTCVA.PR.YVITFCP	249
GmTLP38	.TCAN.AN.YLIIFCP	247
GmTLP39	.TCSG.AD.YTVTF	240
GmTLP40	.QCSSPRE.LKVIFCH	248
GmTLP41	.TCQG.AN.YLIRFC.	236
GmTLP42	.TCTG.TD.YVIAFCS	240
GmTLP43	.TCSG.SD.YVITFCP	244
GmTLP44	.TCSG.SD.YVITFCP	248
GmTLP45	.TCSG.SD.YRITFCP	247
GmTLP46	.TCSG.TD.YVVAFCA	240
GmTLP47	.ICKA.FE.YDIVFCP	251
GmTLP48	.TCAS.AD.YTITFCP	249
GmTLP49	.TCSGEQT.IPSHFAP	243
GmTLP50	.TCTA.AD.YTVTF	241
GmTLP51	.TCAS.AD.YRITFCP	248
GmTLP52	.TCSG.SD.YRITFCS	247
GmTLP53	.TCAS.AD.YTITFCP	249
GmTLP54	.TCTG.AD.YTITFCP	243
GmTLP55	.SCAS.SE.FIITFCP	248

 non-conserved
 similar
 $\geq 80\%$ conserved