

GmFBX1	-----FSSLPYDVLAKIAASFD--DPNLR-----AASLVCRAWCEA-----	34
GmFBX12.1	-----PSPPGAGDPSALPYDVLAKIAASFD--DPNLR-----AASLVCRAWCEAL-----	43
GmFBX84	-----MQILSLVD--DQTVI-----TASGVCRGWRDA-----	25
GmFBX122.1	-----WKDIPVELLMQILSLVD--DQTVI-----IASGVCRGWRDA-----	34
GmFBX287.1	-----KDIPVELLMQILSLVD--DQTVI-----IASEVCRGWREAI-----	34
GmFBX330.1	-----KDIPVELLMQILSLVD--DQTVI-----IASEVCRGWREAI-----	34
GmFBX14	-----PRLDDSLSESSKLESPLMDLLVKILCHLH--HDQLR-----AVFHVSRIRKAVIMARQHFHNN-----	57
GmFBX368	-----PRLDDSLSES-KLESPLMDLLVKILCHLH--HDQLR-----AVFHVSRIRKAVIARQHFHNYTT-----	58
GmFBX155	-----TFDSERSRLEALPLDVLIRVLCGVD--HEDLK-----QLVRVSKTVREAAEAIARR-----	48
GmFBX168	-----DSERSRLEALPLDVLIRVLCGVD--HEDLK-----QLVRVSKTVREAAEVARR-----	46
GmFBX308	-----KRSLLDALPQDVLVQVLCGVD--HEDLK-----QLFHVSKTIREATTVVKKLHFDISTPKKKT-----	56
GmFBX5	-----N-VVDLA-----VASLVCKMWNKACH-DPSLWRKID-----	29
GmFBX16	-----DIIITILMSLN--VVDLA-----VASLVCKMWNKACH-DPSLWRKID-----	39
GmFBX352	-----TEIITIFMSVN--IVDLA-----VASLVCKMWNKACH-DPSLWGRKID-----	40
GmFBX237	-----EILVTILMFLN--VGDIA-----AASMVNKIWNKACH-DPSLWHTLD-----	39
GmFBX508	-----TILSLDPDIVTTTIFAFLD--MFDLV-----RCSLVCKLWNAIVE-SRSLRE-----	43
GmFBX6	-----SQIPPELFHHILKFLS--SEDLV-----SCSLVCRFLNYAAS-DEALWRRLY-----	44
GmFBX271	-----SQIPPELFHHILKFLS--SEDLV-----SCSLVCRFLNYAAS-DEALWRRLY-----	44
GmFBX263	-----LPQDILVLIFSLD--MKSLV-----SVGLVCRSWNIAAN-DNHLW-----	38
GmFBX497	-----QLPQDILAHIFSLE--MKSLV-----SMGLVCWSWNIAAN-DNHLWEKQ-----	42
GmFBX41	-----DILREILKRLD--GPSLG-----VAACVCRLWCSLTISNDDSLWEHLCF-----	41
GmFBX319	-----DILREILKRLD--GPSLG-----VAACVCRLWCSLTRNDDSLWEHLCF-----	41
GmFBX253.1	-----DILRLIFENLP--IPDLA-----RASCVCRLWNSVA-----	29
GmFBX504	-----DILRLIFENLP--IIDLA-----RASCVCRLWNSVA-----	29
GmFBX83	-----MLPLEICMKIFCLLD--YQHLA-----VAQVCRKWKLVAS-DNTLWSNL-----	42
GmFBX124	-----ERLPLEICMKIFYLLD--YQHLA-----VAQVCRKWKLVAS-ENALWSDL-----	43
GmFBX27	-----GLPARLLWEVMRRLP--PPGLL-----SAAKVCCKGWRDTAK-RMW-----	37
GmFBX240	-----LPASLMWEVMRRLP--PPGLL-----SAAKVCCKGWRDTAK-R-----	34
GmFBX53	-----SGLPGNLLWEVLRRLP--PAGLL-----SAAKVSRGWREMTIR-S-----	36
GmFBX475	-----SGLPGNLLWEVLRRLP--PAGLL-----TAAMVSRGWREMTIR-S-----	36
GmFBX85.1	-----RSLPDELLFEVFARMT--PYDLG-----RASCVCCKWKYTIR-NPVFWRNACL-----	45
GmFBX121	-----RSLPDELLFEVFARMT--PYDLG-----KASCVCCKWKYTIR-NPVFWRNACL-----	45
GmFBX69	-----DNLLFEVLKHVD--ARTLA-----MAGCVNKQWHKTAQ-DERLWELI-----	39
GmFBX111	-----DNLLFEVLKHVD--ARTLA-----MAGCVNKQWHKTAQ-DERLWELI-----	39
GmFBX325	-----DNVLSEVLRHVD--ARSLA-----MAGCVSKQWQKMAR-DERLWELIC-----	40
GmFBX405	-----DDNVLFEVLRHVD--ARSLA-----MAGCVSKQWQKMAR-DERLWELI-----	40
GmFBX32	-----PWEALILVATYLD--PKTLA-----MASCVSKSWFSSMS-SDIWKPIILATHFPSLSLTPSSAPTVAAYRRL-----	63
GmFBX327	-----DDLLHMFVSFLD--HPNLC-----KAARICKQWRGASA-HEDFWKSLN-----	40
GmFBX403.1	-----DDLLHMFVSFLD--HPNLC-----KAARVCKQWRGASA-HEDFWKSLN-----	40
GmFBX113	-----DDLLHMFVSFLD--HPNLC-----RAARVCKQWRGASA-HEDFWKSLN-----	40
GmFBX71.1	-----DDLLHMFVSFLD--HPNLC-----KAARVCKQWWTASA-HEVFWKSLN-----	40
GmFBX193.1	-----EEVLKAVFPFLD--SVDLA-----SCMGVCTQWKDIAS-DDFFWKCL-----	39
GmFBX445	-----EEVLKAVFPFLD--GVDLA-----SCMAVDKQWKDIAS-DDFLWKCL-----	39
GmFBX2	-----DILEAIFSHVP--LIHLV-----PASHVSNWKRASVSSL-----	33
GmFBX11	-----DILEAIFSHVP--LIHLV-----PASHVSNWKRASVSSL-----	33
GmFBX200	-----DILEAIFSHVP--LIHLV-----PASHVSNWKRASVSTSLR-----	34
GmFBX413	-----DILEAIFSHVP--LIHLV-----SASHVSEWKRAIS-----	30
GmFBX4	-----ILIEILSHVP--AKDLI-----SLKRVCKEWHHVIS-----	29
GmFBX198	-----LNSDILIEILSHVP--AKDLI-----SLKLVSKEWHRLISS-----	34
GmFBX63	-----DDILHEILLRIP--PPTIS-----KLIIVSKIWLRVICSPSFRQCYVRQWGQSFRLLGF-----	52
GmFBX482	-----DDILHEILLRIP--PPTIS-----KLIIVSKIWLRVICSPSFRQCYLRQWGQSFRLLGF-----	52
GmFBX141	-----SINNLSDDVMGEIFIRLP--FRSTV-----KCKCVCKRWGLISSPSFTE-----	44
GmFBX188	-----NINNLLDDVLGEIFIRLP--FRSTN-----TCKCVCKRWGLISS-----	38
GmFBX215	-----TINNLFDDSLTEIFCKLP--CKSLF-----TCKSVSKRWLTLLSNPNFSLF-----	45
GmFBX21	-----RLAEDSLRQIFCRLP--LREIM-----ICRSVSKFFLQLLSTPS-----	37
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....		



GmFBX82	-----SESNNLIPYLPNDVALNCLARIP--RSHHP-----TSLSVSKPIRSLLYSPLLFTTRSLLOCTQPLLVLTLRSRDSSLQWFTLHRTNPNPLAPLP-----	90
GmFBX125	-----IPSLPDDVALNCLGRIP--RSQHP-----TSLSVSKPIRTLLSSPILF-----	41
GmFBX52.1	-----IERLPDAVAIRCLARVP--FYFHP-----VLELVSRSWQAAIRSPEL-----	40
GmFBX147.1	-----ICGLPDDISLMCLARIP--RKYHS-----VMKCVSKRWRNLICSEEW-----	40
GmFBX148	-----ICGLPDDISLMCLARIP--RKYHS-----VLKCVSKRWRDLICS-----	37
GmFBX146	-----ICGLPDDISLMCLARVP--RKYHS-----VLKCVSKRWRDLICS-----	37
GmFBX144	-----LISGLPEDVARDCLIRVS--YQQFP-----TVASVCKLWKSEIHAFEFRRQRRSTKHAQK-----	53
GmFBX186	-----ISGLPEDVARDCLIRVS--YQQFP-----TVASVCKLWKSEIHAFEFHR-----	42
GmFBX318	-----ISGLPEDVARDCLIRIP--YEQFP-----AVASVCKGWNTEIHSPDFHRR-----	43
GmFBX335	-----ISGLPEDVARDCLIRVP--YDQFP-----AVASVCKGWSAEIHSPDFHR-----	42
GmFBX277	-----LPGLPDDVAEYCLALVP--RSNFP-----AMGGVCKIWRSFQSK-----	38
GmFBX411	-----LPGLPDDVAEYCLALVP--RSNFP-----AMGVVCKGWSRFQSK-----	39
GmFBX174.1	-----LPGLPDDVSKHCLALVP--RSNFP-----AMGGVCKRWRGFIRSK-----	39
GmFBX284	-----LLPGLIDDVALNCLAWVS--GSDYA-----ALSCINKRFRNKLINSGLYGLRKQLGAVEHLVYMVCDPRGWVAFDPKINRWMSLPKIPCEDEC-----	86
GmFBX316.1	-----SLIPGLIDDVALNCLAWVS--GSDYA-----VLSCINKRFRNKLINSGLYGLRKQLGAVEHLVYMVCDPRGWVAFDPKINRWISLPKIPCEDEC-----	86
GmFBX54	-----IPGLPNDVAASILSKVP--YSHHG-----RLKATCKSWKLLLSKS-----	39
GmFBX476	-----IPGLPNDVAASILSMVP--YSHHG-----RLKATCKSWKLLLS-----	36
GmFBX86	-----LPGLPDDLAIACLIRVP--RVEHR-----KLRLVCKRWYRLL-----	35
GmFBX453	-----LPGLPDDLAIACLIRVP--RVEHR-----KLRLVCKRWYRLLV-----	36
GmFBX99.1	-----LPGLPDDLAIACLIRVP--RVEHS-----KLRLVCKRWYRLLSGNF-----	39
GmFBX177	-----LPGLPDDLAIACLIRVP--RVEHG-----KLRLVCKRWYHLLSGNF-----	39
GmFBX212	-----LLSGLPDDLAIACLIRVP--RIEHR-----KLHLVCKRWHRLLSDFD-----	41
GmFBX350.1	-----LPGLPDDLAVTCLIRVP--RIEHR-----KLHLVCKRWRRLLSDFD-----	40
GmFBX303	-----IPGLPDDVALNCLLRLP--VQSHS-----SCRAVCKRWHMLLGNK-----	38
GmFBX344	-----IPGLPDDVALNCLLRLP--VQSHS-----SCRAVCKRWHMLLGNK-----	38
GmFBX488	-----TISSLPDDIVLDCLSRVP--TSSLP-----ALSLVCCRWSRLLSPPD-----	40
GmFBX75	-----IPNLPDELSLQIIARLP--RICYF-----NVLVSKRWKSTIMSSELY-----	41
GmFBX120.1	-----IPNLPDELSLQIIARLP--RICYF-----NVLVSKRWKSTIMSSELY-----	41
GmFBX290	-----IPNLPDELSLQIIARLP--RICYF-----HVRLVSRWKATITSELY-----	41
GmFBX332	-----IPNIPDELSLQIIARLP--RICYF-----HVRLVSRWKATITSELY-----	41
GmFBX353	-----IPNLPDDLSLQIIARLP--RICYF-----HVRLVSRWKATIKFNLIYDRLCI-----	46
GmFBX94.1	-----IPSLPDEISIQILARVP--RIYYL-----NLKLVCRWKEILVSSELF-----	41
GmFBX169.1	-----IPSLPDEISIQILARVP--RIYYL-----NLKLVCRWKEIT-----	34
GmFBX100	-----DLIPKLPSELGLECLTRLP--HSAHR-----VALRVCSQWHCLLQSDAFYS-----	44
GmFBX116	-----LIPGLPYEIAELCLLHVP--YPYQA-----LSRSVSSTWNRAITHPSFIYSKKTLSHPLFLVLAHFSQTGKIQWQALDPSSGRWF-----	78
GmFBX66.1	-----LPDDILEMCLVRLP--LTSLM-----NARLVCKKWRSLTTTPRF-----	37
GmFBX109.1	-----LPDDILEMCLVRLP--LTSLM-----NARLVCKKWRSLTTTPRF-----	37
GmFBX70	-----WSKLPPDVVEHILLLLP--LKTLL-----NLRPTCKAFTSLFSPSFVSK-----	43
GmFBX112	-----WSKLPPDVVEHILLLLP--LKTLL-----NLRPTCKAFTCLFSPSFVSK-----	43
GmFBX326	-----WSKLPPPEILEYILSFLP--LKTFL-----NLRSTCKGFWSLIFSPPFISKH-----	44
GmFBX10	-----LPEDLITEILMMLP--VRSIL-----RFKCMCKSWFSLISDPE-----	36
GmFBX379	-----LPEDLITEILMMLP--VRSIL-----RFKCMCKLWFSLISDPE-----	36
GmFBX377	-----LPEDLITEILMMLP--VRSIL-----RFKYMCKSWFSLISHPE-----	36
GmFBX380	-----LPEDLITEILMMLP--VRSIL-----RFKCMCKSWFFLISHPE-----	36
GmFBX378	-----DLITEILMMLP--VRSIL-----RFKCMCKLWFSLISHPEFARSHFALAATPT-----	46
GmFBX19	-----LPQELIIEILLRLP--VKSIV-----RFKCVCRWLWLSLISDPS-----	36
GmFBX371	-----LPQELIIEILLRLP--VKSIV-----RFKCVCKLWLSLISDPH-----	36
GmFBX123	-----IAILPWELIIEILLRLP--VKSIV-----RFKCVCKSWLCLLSDPH-----	39
GmFBX292	-----LPQELIIEILLRLP--VKSLL-----RFKRVCSNWSLIS-----	33
GmFBX448.1	-----TLPQELIIEILLRLP--VKSLL-----RFKCVCKSFLSLISDPQF-----	38
GmFBX157	-----LPQELIIEILLRLP--VKSLL-----RFKCVSKSWLSLITDPH-----	36
GmFBX389	-----VFLPQELIIEILLRLP--VKSLL-----RFKCIS-----	27
GmFBX171.1	-----LPQDLITEILLRLP--VKSIV-----RFKSVCKSWLFLISDPR-----	36
GmFBX385	-----LPQDLVIQILLRLP--VKSIV-----RFKSVCKSWLSFISDHLWLS-----	40
GmFBX382	-----DLPQELIIEILLRLP--VKSLL-----RFKTVCKSWLSHISDPH-----	37
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....		



GmFBX383	---	LPQEMVNQILLRLP	--VKSLL	---	QFKIVCKSWLSHISDPH	---	36
GmFBX198.1	---	LPLELIREVLLRLP	--VRSVI	---	RFRVCVCKSWLSLISDPQF	---	37
GmFBX245	---	LPLELIREILLRLP	--VRSVI	---	RFKCVCKSWLSLISDPQ	---	36
GmFBX449	---	LPLELIIEILMRLP	--VRSVI	---	GFKCVCKSWFSLISDPQ	---	36
GmFBX152	---	SLPLELIEEILLRLP	--VRSIL	---	RFKCVCKSWFSLISEP	---	36
GmFBX45.1	---	PGELIGAILLWLP	--VRSVI	---	RFKCVCKSWLSVISDPH	---	35
GmFBX447.1	---	LPDLIELILLRLP	--VKSVI	---	RFKCVCKSWLSLISDPQF	---	37
GmFBX194	---	LPMDLMREILLRLP	--VRSVS	---	RFKCVCKSWLSIISDPQ	---	36
GmFBX446.1	---	LPMDLMREILLRLP	--VRSVS	---	RCKCVCKSWNFIIISNP	---	35
GmFBX246	---	LPDELIVEILLRLP	--VRTLI	---	RFKCVRKSWLFLISDPQF	---	37
GmFBX397	---	LPDDQIVEILLRLP	--VRTLI	---	RFKCVRKSWLFLISDPQF	TKSHFDLAA	46
GmFBX489	---	LPFDLIVEILLRLS	--VRSLL	---	RFKCVSKSWCALISDPE	---	36
GmFBX108	---	PMLPDDLIVNLSRLR	--VRSLL	---	RFKCVCKSWLSLISDPQFVK	---	41
GmFBX193	---	SHDLIVEILLRLP	--IKSLI	---	RFKCVCKSWLSFISDPHFVK	---	38
GmFBX130	---	LPDELMEEILLRLP	--VRCLV	---	RFKCVCKSWLSLISDPQ	---	36
GmFBX131	---	IPDDMMEEILLRLP	--VKCLI	---	RFKYVCKSWLSLISDPH	---	36
GmFBX154	---	DDLITIEILLRLP	--VRCLL	---	RFKCVCKSWFSLISNP	---	34
GmFBX192	---	LPRDLIREILLRLP	--VKSVI	---	KCKRVCKTWLSLISDPKF	---	37
GmFBX195	---	LPPELIREILLSLP	--VNSLL	---	QCKRVCKAWLSLISDPQFF	---	38
GmFBX132	---	LPEELIQVILLRLP	--LRNLI	---	HLKRVCKSWLSLISDPQ	---	36
GmFBX31	---	EELISNILHRVP	--VRSLL	---	QFKCVCKSWNSLISDPL	---	34
GmFBX260	---	PLWLLPEELISEILFRVP	--VRSLL	---	QFRVCVCKSWKTLISHP	---	39
GmFBX261	---	AVLPYDLIWEILLRVP	--VRSLL	---	LFKCVCKSWKTLISDPQ	---	38
GmFBX300.1	---	PFLPDELVEILSRP	--VKSLL	---	QFRVCVCKSWMSLISDPYFMKK	---	42
GmFBX347	---	PFLPDELVEILSRP	--VKSLL	---	QFRVCVCKSWMSLIYDPYFMKK	---	42
GmFBX348	---	LPIELIQEILQRLP	--VKFLL	---	QLRCVCKSWKSLISHPQ	---	36
GmFBX417	---	EKKPWSLLCNEIIEILSHLP	--VKPLI	---	QFKCVRKEWNSLMSEPYFIKLHLCKSA	---	54
GmFBX429	---	SLLCNKIIEILSRFP	--VKPLI	---	QFKCVCKEWNLSLMSEPY	---	38
GmFBX331	---	WLSLLCNEIIEILSRP	--VKPLI	---	QFMCVCKEWNLSLMSEP	---	39
GmFBX427	---	SLLCNEIIEILSRP	--VKPLI	---	PFKCVCKGWNLSLMSEPY	---	38
GmFBX422	---	LCNEIIEILSRP	--VKPLI	---	QFKCVCKEWNLSLISEPYF	---	37
GmFBX425	---	SLLCNEIIEILSRP	--VKPLI	---	QFKCMCKEWNLSLISEPYF	---	39
GmFBX439	---	SLLCNEIIEILSRP	--VKPLI	---	KFKCVCKEWNLSLISEPYF	---	39
GmFBX437	---	EILSRP	--MKPLI	---	QFKCVCKEWNLSLISEPYF	---	30
GmFBX414	---	LCDELIKEILSRP	--VKPLI	---	QFKCVCKGWNLSLMSDPYF	---	37
GmFBX423	---	LCDELIKEILSRP	--VKPLI	---	QFKCVCKGWNLSLMSDPYF	---	37
GmFBX507	---	LFDELIKEILSRP	--VKPLI	---	QFKCVCKGWNLSLMSDPYF	---	37
GmFBX418	---	DELIKEILSCLP	--VKTLI	---	QFKCVYKGWNLSLMSDPY	---	34
GmFBX436	---	DELIKEILSRP	--VKTLI	---	QFKCVYKGWNLSLMSDPY	---	34
GmFBX424	---	LCDELIKEILSRP	--VKPLI	---	QFKCVYKGWNLSLMSDPY	---	36
GmFBX416	---	LCDELIEEILSRP	--VKPLI	---	QFKCVCKGWNLSLMSDPY	---	36
GmFBX420	---	DELIEEILSRP	--VKPLI	---	QFKCVCKGWNLSLMSDPY	---	34
GmFBX438	---	LCDELIEEILSRP	--VKPLI	---	QFKCVCKGWNLSLMSDPY	---	36
GmFBX435	---	LCDELIEKILSRP	--VKPLI	---	QFKCVCKGWNLSLMSDPY	---	36
GmFBX506	---	LCDELIEQILSRP	--VKPLI	---	QFKCVCKGWNLSLMSDPY	---	36
GmFBX421	---	LCDELFEIEILSRP	--VKPLI	---	QFKCVCKGWNLSLMSDPY	---	36
GmFBX430	---	LCDELIEEILSRIL	--VKPLI	---	QFKCVCKGWNLSLMSDPY	---	36
GmFBX441	---	LCEELIEEILSRP	--VKPLI	---	QFKCVCKGWNLSLMSDPY	---	36
GmFBX419	---	LCDKLIEEILSRP	--VKPFI	---	QFKCVCKGWNLSLMSDPY	---	36
GmFBX428	---	LCDELIEEILSRP	--VKPFI	---	QFKCVCKGWNLSLMSDPYF	---	37
GmFBX415	---	MEILSRP	--VKPLI	---	QFKCVYKGWNLSLMLDPYFIKLHLNKSA	---	40
GmFBX440	---	MEILSRP	--VKPLI	---	QFKYVCKGWNLSLMSDPY	---	30
GmFBX426	---	LCDELFEIEILSRP	--VKPLM	---	QFKCVCKGWNLSLISDPYF	---	37
GmFBX451	---	MNTYIPRELTEKILIKLP	--VKSLL	---	SFKCVRKEWNNLISDPEFAERHFKYQRAETLMIITPDVNHFKSI	---	68
GmFBX505	---	MNTYIPRELTEKILIKLP	--VKSLL	---	SFKCVRKEWNNLISDPEFAERHFKYQRAETLMIITPDVNHFKSI	---	68

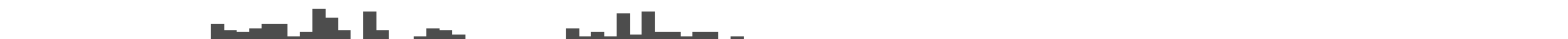
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....



GmFBX213	-----PDEVVIQILARLP--VKSLEF-----RFTVCKLWYRLSLD-----	33
GmFBX339	-----LPYDVIINILKRLP--VKSLEI-----RFKCVSKDWFNL-----	31
GmFBX364	-----HLPQELVSNILSRLP--AKDLV-----KCKRVCKSWFDLIT-----	34
GmFBX468	-----HLPQELVSNILSRLP--AIDLVS-----KCKSVCKSWFDLITDSHFV-----	39
GmFBX365	-----MSMEHLPGELVSNVLSRLP--SKVLL-----LCKCVCKSWFDLITDPHFV-----	43
GmFBX467	-----MSMEHLPRELVSNVLSRLP--AKVLL-----LCKCVCKSWFDLITDPHFV-----	43
GmFBX13	-----LPEDLIVEILSWVE--VKNLML-----RFRVCVSKSWNSLIF-----	33
GmFBX101	-----LSEDLIVEILTWVP--VKSLEL-----RFRVCVSKSWNSLIFH-----	34
GmFBX89	-----SLLPEELIVEILSWVP--VKALM-----QFRCISKTWNSLILHPT-----	38
GmFBX91	-----SLLPEELIVEILSWVP--VKALM-----QFRCVSKTWNSLILHPT-----	38
GmFBX209	-----SLLPEELIAEILSWVP--VKALM-----QFRCVSKTWNSLILHPT-----	38
GmFBX179	-----LPEELIVEILSWVP--VKPLM-----RFKCVSKTWNSLIFH-----	34
GmFBX484	-----SILPQDQIVEILSWVP--VKVLM-----RFRVCVSKTWNSLILNPT-----	38
GmFBX191	-----LPRELIVEILSWLP--VKALM-----RFRVYVSETWNSLIFDPT-----	36
GmFBX129	-----DEVVVEILSWVP--VKALM-----RFRVCVSKSWNSLILDPTF-----	35
GmFBX88	-----PIELIVEILSWLP--VKPLI-----RFRVCVSKTWKSLISH-----	33
GmFBX90	-----PIELIVEILSWLP--VKPLI-----RFRVCVSKTWKSLISH-----	33
GmFBX208	-----PIELIVEILSWLP--VKPLI-----RFRVCVSKTWKSL-----	30
GmFBX199	-----LPQELIVEILSWLP--VKPLM-----RFRVCVSKAWYSLIFHPS-----	36
GmFBX394	-----EDLSVEILSWLP--VKVLI-----RFKCVSKTWNSLIFHPML-----	35
GmFBX293	-----KILSWLP--VKALL-----RFRVCVCKSWKSLMLDLFSFV-----	31
GmFBX390	-----LPGDLIVEILSWLP--VDALL-----RFRVCVCKSWKSLIFDPSF-----	37
GmFBX205	-----SYVPDDLIVEILSRLP--VKDLM-----RFRVCVCKTWKSLIFDPSFVKK-----	42
GmFBX455	-----AQLPQDLIEEILSWLP--VKSLEL-----RFRVCVSRTWNSL-----	33
GmFBX458	-----AQLPQDLIEEILSWLP--VKSLEL-----RFRVCVSRTWNSL-----	33
GmFBX460	-----AQLPQDLIEEILSWLP--VKSLEL-----RFRVCVSRTWNSL-----	33
GmFBX461	-----AQLPQDLIEEILSWLP--VKSLEL-----RFRVCVSRTWNSL-----	33
GmFBX462	-----AQLPQDLIEEILSWLP--VKSLEL-----RFRVCVSRTWNSL-----	33
GmFBX456	-----AQLPQDLIEEILAWLP--VKSLEL-----RFRVCVSRTWNSL-----	33
GmFBX457	-----AQLPQDLIEEILAWLP--VKSLEL-----RFRVCVSRTWNSL-----	33
GmFBX464	-----AQLPQDLIEEILSWLP--VKSLEL-----RFRVCVSRTWNSL-----	33
GmFBX459	-----AQLPQDLIEEILSWLP--VKSFM-----RFRVCISRTWNSL-----	33
GmFBX463	-----LPRELLVEILSWLP--VKSLL-----RRCVCFKAWNSF-----	31
GmFBX153	-----KFHVMEILFEKLMMEVLSWLP--VKSLEL-----RFTCASKWFQSLISDSSFVKLHLQRSPKSEDFLLICSVDDTLNRRFFILSCPAIPLVSDDD-----	85
GmFBX490.1	-----ILPEELLVEILSWVP--VKDLL-----RFRCAKWLRLALISDPTFV-----	39
GmFBX162.1	-----ANLPVEVVTEILSRLP--VKSLEI-----RLRSTCKWWSRIIDSRHFV-----	40
GmFBX381.1	-----MANLPVEVVTEILSRLP--VKSLEI-----RLRSTCKWWSRIIDSRH-----	39
GmFBX211.1	-----HLPREVVTDLILSRLP--AKSLI-----RFRSTSKSWKSLIDSQHF-----	38
GmFBX349.1	-----HLPREVLTEILSRLP--VRSLL-----RFRSTSKSWKSLIDSQHLNW-----	40
GmFBX26.1	-----NLPDEIMLFKILPLLP--SKTLI-----RFRVCCKLWDCFIRDPSFLHLRKLTTNNPTHHFLF-----	55
GmFBX294	-----WLP--EKTLL-----RLRCVCKFWKTLVFDPI-----	25
GmFBX258	-----PDEILVEILHRLP--SKSIL-----RCSAVCKSWRSLISN-----	33
GmFBX499	-----PDEILVEIFRRLP--SKSIV-----RCSAVCKLWRSLVTN-----	33
GmFBX370	-----DEILGEILHRLP--AKTLL-----KCTTVCKSWKSLITHPSFISTI-----	39
GmFBX412	-----NHIPYDLTFILSKLP--SKSLK-----KFGCVHKLWTLVFNQNLVFSMF-----	43
GmFBX43	-----LSHDELEIFSRLP--AKAIY-----RFTSTSKSFSKLPKETYFASKQTQNSLLRDDTCFFIQPYITQSYNVHVEF-----	69
GmFBX342	-----PDELLLFKICSYLP--AKAIY-----RFKCTCKTVSNIVEETEFAFKQTENS-----	45
GmFBX79	-----LLPQELIQNIFLSLV--LPEII-----RLKLVNKSFSRIISDHAF-----	38
GmFBX133	-----RNSTTKNAVGLCLLPQELIQNIFLSLV--LPEII-----RLKLLNKSFSRIISDNTFVRQYNLSLSSTTWLFVYKKR-----	70
GmFBX486	-----SVVLPLELITEIFLRLP--LKSLEI-----RFRVCVCK-----	28
GmFBX65	-----LDVLPDDLLEILAYLP--IASIF-----RAGCVSKRWHEIVNSERFV-----	41
GmFBX483	-----LDVLPDDLLEILAYLP--IASIF-----RAGCVSKRWHEIVNSERFV-----	41
GmFBX95	-----WSKLPQRLLDRIAFLP--PPAFF-----RARCVCKRWYAL-----	34
GmFBX170	-----WSKLPQRLLDRIAFLP--PPAFF-----RARCVCKRWYAL-----	34
GmFBX72	-----FSLDDLNEDLFERILSWLP--TSTFF-----RLNSVCKRWKSVAAASA-----	40
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....		



GmFBX114	-----FSLDDLNE ¹ DLFERILSWLQ--TSTFF-----RLNSVCKRWKSVAAASA-----	40
GmFBX328	-----FSLDDLNE ¹ DLLE ² RVLSWL ³ P--TSSFF-----RLTSVCKRWKSAAASVSFK--	43
GmFBX402	-----FSLDDLNE ¹ DLLE ² RVLSWL ³ P--TSSFF-----RLTSVCKRWKSAAASVSFK--	43
GmFBX98.1	-----WKNL ⁴ PEDLFE ⁵ PVIARLP--IATFF-----RFRSVCQRWNSLLSSQS--	39
GmFBX176.1	-----WKKL ⁴ PEDLFE ⁵ PVIARLP--IATFF-----CFRSVCQRWNSLLTSQS--	39
GmFBX278.1	-----WKDF ⁴ PEDLFE ⁵ AVIARLP--ISTFF-----RFRSVCQRWNSMLNSQS--	39
GmFBX410.1	-----WKDF ⁴ PEDLFE ⁵ AVIARLP--IATFF-----RFRSVCQRWNSMLTSQS ⁶ F--	40
GmFBX197	-----WAML ⁴ PEDLLHEILARV ⁷ P--PFLIF-----RLRLVCKRWNSLLQDSSFLK--	42
GmFBX450.1	-----WAML ⁴ PEDLLHEILARV ⁷ P--PFLIF-----RLRLVCKRWNSLLQDSSFLK--	42
GmFBX299	-----LPEDLMIEILARVR--VSN ⁸ PI-----QLRCVCKRWKSLVLD ⁹ QFVKK--	40
GmFBX81.1	-----NL ¹⁰ SMLNEDLLQNILARLP--ALHFA-----SAACVSKSWNSLCNRIL ¹¹ TR--	42
GmFBX127	-----SL ¹² SMLNEDLLQNILARLP--SLHFA-----SAACVSKSWNSLCRIL ¹³ SR ¹⁴ P--	43
GmFBX242.1	-----TWSDL ¹⁵ PELLELILSRLS--LDDNV-----RASVVCKRWHSVATS--	38
GmFBX296	-----TWSDL ¹⁵ PELLELILSRLS--LDDNV-----RASVVCKRWHSVATS--	38
GmFBX56.1	-----WADL ¹⁶ PAELLESILSR ¹⁷ LI--LVDNI-----RASSVCKRWHSVAS--	36
GmFBX210.1	-----ITNLSTDLIELILSL ¹⁸ LP--IPTLI-----RASTVCKLWHSIISSSS--	39
GmFBX442	-----ITNLSTDLIELILSL ¹⁸ LP--IPILI-----RASTVCKLWHSIISSSS--	39
GmFBX172	-----DLP ¹⁹ MNVIVSILQRLP--FQDLV-----KTSVLARAWRYMWS--	34
GmFBX354.1	-----DYL ²⁰ PAVLVQLIYRLP--PTTLV-----KCTSVCKAWNKIIRSHD--	38
GmFBX51.1	-----KRASNHN ²¹ SLSW ²² PLPPDLTIKVFSMLD--TQSLC-----YASATCLLFSKCAKD ²³ PMCYANLDLTT--	57
GmFBX474	-----RASNHN ²¹ SLSW ²² PLPPDLTIKVFSMLD--TQSLC-----YASAACSLFSKCAKD ²³ PMCYANLDLTT--	56
GmFBX104	-----TGSSMMEELVPEIT ²⁴ THALSYLD--YPSLC-----RLSMTNSLMRKAANDDN ²⁵ AWKALYHKDF ²⁶ TLEQDSV ²⁷ TP ²⁸ TNGWKAYYAATR--	75
GmFBX164.1	-----RMGSSMMEELVPEIT ²⁴ THALSYLD--YPSLC-----RLSMTNSLMRKAANDDN ²⁵ AWKALYHKDF ²⁶ TLEQDSI ²⁹ TP ³⁰ TNGWKAYYAATR--	76
GmFBX77	-----WELSD ³¹ DILT ³² KILASLG--PMDLT-----RVSATCHHLRSLAASVMPYT--	41
GmFBX274	-----WELSD ³¹ DILT ³² KILASLG--PMDLT-----RVSATCHHLRSLAASVMPYT--	41
GmFBX28.1	-----VESITSLSSDLFYDILRRLD--GPTLA-----SAACTCAS ³³ FS ³⁴ SSISKEESLWENV ³⁵ CSSV ³⁶ W ³⁷ PS ³⁸ TNRED ³⁹ VKSLISSIGGYRKF--	73
GmFBX239	-----SIASLNSDLLYDILRRLD--GPTLA-----SAACTCAS ³³ FS ³⁴ SSISKEESLWENV--	45
GmFBX50	-----PVD ⁴⁰ GIPSLNSDLFYDIFRRLD--GATLA-----SAACTCAALCSISKEESLWENV ³⁵ CSSM ⁴¹ W ⁴² PS ⁴³ TNRED ³⁹ VKSLISSVGGFRKF--	74
GmFBX473	-----PVD ⁴⁰ SIPSLNSDLFYDIFRRLD--GATLA-----SAACTCAALCSISKEENLWENV ³⁵ CSSM ⁴¹ W ⁴² PS ⁴³ TNRED ³⁹ VKSLISSIGGFRKF--	74
GmFBX57	-----PDIIQ ⁴⁴ THILTC ⁴⁵ LD--GRALA-----SVASTCSQLHALSDHE ⁴⁶ PLWENIC--	41
GmFBX478	-----PDIIQ ⁴⁴ THILTC ⁴⁵ LD--GPSLA-----SVASTCSQLHALSARE ⁴⁷ PLWENIC--	41
GmFBX243	-----PDIIQ ⁴⁴ THILTR ⁴⁸ LP--GPALA-----SATATCSQLHSLSSH ⁴⁹ DPLWLNACHAT ⁵⁰ W ⁵¹ PS ⁵² ILTPRV ⁵³ RHV ⁵⁴ IDTFPN--	62
GmFBX285	-----QSHILNRLD--GPTLA-----SAASATSHLRGLCTE ⁵⁵ HHLWRNICAATWPS--	43
GmFBX315	-----ILNRLD--GPTLA-----SAAS ⁵⁶ STSHLRR ⁵⁷ LCTE ⁵⁵ HHLWRNISAATW ⁵⁸ PSLNDP--	44
GmFBX275	-----ESTSSLATL ⁵⁹ HS ⁶⁰ DI ⁶¹ IHAHILTRLD--GATLA-----SAASVSSL ⁶² MHRLCTQDDL ⁶³ WREI ⁶⁴ STATW ⁶⁵ PSLQNP ⁶⁶ IA ⁶⁷ RHVISAIP--	71
GmFBX266.1	-----RLP ⁶⁸ MELKLLILERLP--GVDLA-----KVACTCSELRYLSTSNELWKKK--	42
GmFBX493.1	-----TRL ⁶⁹ P ⁷⁰ MELKLLILERLP--GVDLA-----KVACTCSELRYLSTSNELWKKK--	43
GmFBX107	-----ILQLSDEVLAHNILSR ⁷¹ LT--PRDVA-----SIGSV ⁷² CR ⁷³ RI ⁷⁴ RQLTKN--	38
GmFBX167	-----SILQLSDEVLAHNILSR ⁷¹ LT--PRDVA-----SIGSV ⁷² CR ⁷³ RV ⁷⁵ RQLTKN--	39
GmFBX291	-----SLKILAQLT--PRDIA-----SVSSV ⁷⁶ CR ⁷⁷ RLYELTKNEDLWRMVC--	37
GmFBX391	-----SLKILARLT--PRDIA-----SVSSV ⁷⁶ CR ⁷⁷ RLYELTKNEDLWRMVC--	37
GmFBX214.1	-----SLKILARLT--PRDIA-----SVGSV ⁷⁸ CR ⁷⁹ HLYELTKNEDLWRMVC--	37
GmFBX351.1	-----SLKILARLT--PRDIA-----SVASV ⁸⁰ CR ⁸¹ RLYELTENEDLWRMVC--	37
GmFBX119.1	-----VLP ⁸² DEILCSILERLT--PRDAA-----RVSCVSSVMYILCNED ⁸³ PLWMSLCL--	44
GmFBX297	--SQ ⁸⁴ RDRRTDAV ⁸⁵ GDLRVLP ⁸⁶ DEILCSILEGLT--PRDAA-----RVACVIGVMYILYNED ⁸⁷ PLWMSLCRKG--	60
GmFBX37.1	-----MSVLDLPELVLECILEKLP--PPSLC-----QMAGV ⁸⁸ CRSLRES ⁸⁹ CVSDHLWER--	45
GmFBX320	-----MSVLDLPELVLECILEKLP--PASLC-----QMAGV ⁸⁸ CRSLRES ⁸⁹ CVSDHLWER--	45
GmFBX156	-----MSVLDLPELALDCILERLP--PSALC-----RMAAV ⁹⁰ CRSLRERC ⁹¹ CVSDHLWERH--	46
GmFBX487	-----MSVLDLPELALDCILERLP--PSSLC-----RIA ⁹² AV ⁹³ CR ⁹⁴ TLRERC ⁹⁵ CVSDHLWEKH--	46
GmFBX46	-----SLLDL ⁹⁶ PDLPLECILEHLS--PAELC-----RVATV ⁹⁷ CTSLRDRC ⁹⁸ SDHLWKK--	44
GmFBX471.1	-----SLLDL ⁹⁶ PDLPLECILEHLS--PAELC-----RVATV ⁹⁷ CTSLRDRC ⁹⁸ SDHLWKK--	44
GmFBX47.1	-----SLLDL ⁹⁶ PEW ⁹⁹ LDCILECLP--PQDLC-----RVAQV ¹⁰⁰ CTSLRDRI ¹⁰¹ SDALWEKK--	45
GmFBX48	-----MSLLNLPYPILDCILKLLS--PMDLT-----RMSEV ¹⁰² CTFLRDRC ¹⁰³ SDPLWE--	44
GmFBX49	-----MSLLNLP ¹⁰⁴ EPILDCILKLLS--PMELV-----SMSEV ¹⁰⁵ CTCLRDRC ¹⁰⁶ SDPLW--	43
GmFBX472	-----GGNVSLFN ¹⁰⁷ LQEPVLD ¹⁰⁸ CILKLLS--PMGLI-----RMPEV ¹⁰⁹ CTFFRDRC ¹¹⁰ GSD ¹¹¹ PLWEV ¹¹² HMKKK ¹¹³ GGVIGD--	60
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....		



GmFBX244	-----SLLDLPEPTLDLILKCF--PNELC-----TVSEVCVSLKDKCQSDHFWEEH-----	45
GmFBX92.1	-----PHDALFFVLGYLG--VRDLI-----SVEGVCRSLCDAVRGDP LLWRIMH-----	42
GmFBX466	-----PHDALFFVLGYLG--VRDLI-----SVEGVCKSLCDAVRGDP LLWRIMH-----	42
GmFBX96	-----LGYLGL--LSDLI-----VVERVCKSLHSTVCGDPLLWRSIH-----	34
GmFBX173	-----LGYLGL--LSDLI-----VVERVCKSLHSTVRGDP LLWRSI-----	33
GmFBX106	-----PHEALFLVLSYLP--VYEVV-----VMSQVCTSLRDVNNDI-----	35
GmFBX166	-----PHEAMFLVLAYLP--VYEVV-----VMSQVCTSLRDVNNDI-----	35
GmFBX76.1	-----LLPSDILMHILRLLG--PKEAA-----KLSVVCKALRSLVSDNRLWIHF-----	42
GmFBX367	-----LPADILMQIVRLLG--PKHAA-----RLCLVSKSWRSLVSDNALWAH-----	40
GmFBX140	-----HSYSSCGSPISNMAQDYLF TILL LLLP--IDAIL-----SLSTCKRFRALTSSHTLWKS LCKRDLGSTCVDLSLSS--NNQHRHF P W M R L Y K Q-----	83
GmFBX189	-----SSSGSAISNMAQDYLF TILL LLLP--IDAIL-----SLSMTCKRFRALSSHTLWRS LCKRDFGSTCVDLSLNSSSNNNQHHHFP W M R L Y K Q-----	83
GmFBX236.1	-----KCLPDDTVIQLLSCLSY--YQDRA-----SLSSTCKTWRSLGSS LCLWSSLDL-----	45
GmFBX443.1	-----KCLPDDTVIQLLSCLSY--YRDR A-----SLSSTCKTWRSLGSLPCLWSSLDL-----	45
GmFBX103.1	-----EPCDLSFLLCLPDDVFGVLSRFL--PRDVC-----NLSLCKKSLYALGSSEKVWFTQCDMVG VVPQKDLVEWREG VSSYSKSLC-----	77
GmFBX163.1	-----LLCLPDDVFGMVSRFL--PRDVC-----NLSLCKKSLYALSSSEKVWFPQ-----	44
GmFBX126	-----LPDDVFAIVSRFMS--PRDVC-----NLCLCKKSLNALVASEKLWLTO-----	41
GmFBX159	-----SSLPEDVALKIASLLQ--VRDLC-----ALGCCSRFWRELCFSDCIWESL-----	43
GmFBX387	-----IISLLPEDVALKIASLLQ--VRDLC-----ALGCCSMFWKELCFSDCIW-----	42
GmFBX289	-----QSRSPATPATTITDLNEDCIAHGHL--LGDVC-----NMAMTSSALKRLAYSDFIWRQFFREHWHLELPWHSSNGGGGGGARGVYVMVR-----	84
GmFBX36	-----SITDLPPALISEILNCLD--PKDLG-----VVSCVSTIFQVASEHGAWKQ-----	44
GmFBX321	-----SITDLPPALISEILNCLD--PKDLG-----VVSCVSPILQVASEHHAWKQ-----	44
GmFBX235.1	-----NKVDFIQLLGPDMSIKILTHLDD--PCDLI-----RVSAVSSSWHRFVIEQGLCKQLCLKMFPEISGVAHIVELDNIIIEPLI-----	75
GmFBX376.1	-----NKVDFIQLLGPDMSIKILTHLDD--PCDLI-----RVSSVSSSWHRFVIEHGLCKQLCLKMFPEISGVAHIIELDNIIIE-----	72
GmFBX42.1	-----RPRLGDIPESCVALVLMYLD--PPDIC-----KLARLNRAFRDASSADFIWESKLP L N Y K F I V E K-----	58
GmFBX150	-----ATPSRRLGDIPESCVALVLMYLD--PPDIC-----KLARLNRAFRDASVADFIWESKLPSNYKFIVEK-----	62
GmFBX234	-----SLSSETSLDDIPENCISMMMFN--PQEIC-----SLARVNKTFRASSANFVWESKLPPNYKFLNKNVLGE-----	66
GmFBX375	-----STKTTLDDIPENCISMMMSFD--PQEIC-----TLARVNKAFRASSADFIWESKLPPSYKFLNKNVLG-----	63
GmFBX265.1	-----SRDSRPGLGDIPESCISLFLMNL--PPDIC-----KLARVNRAFRASSADFIWESKLPPSYKFLANKV-----	63
GmFBX495	-----SRDSRPGLGDFPESCISLFLMNL--PPDIC-----KLARVNRAFRASSADFIWESKLPPSYKFLANKV-----	63
GmFBX87	-----SESASPSSSLGELPESCAVIMTYMD--PPQIC-----KLATLNRAFRGASSADFIWESKLPPNYDILLRRIFADFP SHLGKRG I Y A R L C R-----	84
GmFBX396	-----PSESSPASSLGE L P E S C A V I M T Y M D--PPQIC-----KLATLNRAFRGASSADFIWESKLPPNYDILLRRIFADFP SHLGKRG I Y A R L C R-----	84
GmFBX241.1	-----GPGLGDIPESCVACVFLHLT--PPEIC-----NLARLNRAFRGAASSDSVWEAKLP R N Y Q D L L D L V P P P E-----	63
GmFBX295.1	-----GPGLGDIPESCVACVFLHLT--PPEIC-----NLARLNRAFRGAASSDSVWEAKLP R N Y Q D L L D L V P P P E H R S L S K-----	69
GmFBX55	-----AAPGLGDIPENCVARVFLHLT--PPEIC-----NLARLNRAFRGAASADS V W Q T K L P R N Y Q D L L D L M P P E H R N L S K K D I-----	73
GmFBX492	-----LDQLPSALVATIMSKLD--IASIC-----SLASTSTFRSCARH-----	37
GmFBX61	-----FNIESLPHDCVSEILSHTS--PLEAC-----MVSLVSP T L R S C A N S D T V W R S-----	45
GmFBX481	-----SCSFNIESLPHDCVSEILSHTS--PLVAC-----TVSLVSPSLCSCANS D T V W R S F L P S D Y E D I V S R A V N P F T L S F S S Y K Q L F Y S L-----	79
GmFBX252	-----LPEDCVSKILSYTS--PPDAC-----RFSMVSTLRSADS D L L W R T F-----	41
GmFBX134	-----LPEECVATIISLTS--PKDAC-----QLSLVSPSFKEIADSDAVWAN-----	40
GmFBX135	-----VLPEECVATIISLTS--AKDAC-----QLSPVSPSLKAIADSDAVWANFLP S D C E D I I D Q S S T P T L N L L S K K Q I Y A Y L C D Y H V L F D N G N M L S L E K A T G K K C I M V-----	98
GmFBX136	-----LPEECISMIVSFTS--PEDAC-----RLSLVSPFFKEIADSDAVWEN-----	40
GmFBX62.1	-----LPYDCFAHILSFTS--TQDVC-----RLSVSSIVQSMADSDAVWEK-----	40
GmFBX64	-----GGGEFEHLPEGCIANIVSFTT--PPDAC-----VLSLVSSSFRSASVTDFVWERFLP S D Y Q A I I S Q S S K P S T L T N Y S S K K D L Y L H L C H N P L L I D A G K K S F A L D K L N G K I C Y M L-----	106
GmFBX501	-----FNNLPEGCIANILSFTS--PRDVC-----RLSLLSSTFRSAAQSDAVWNK-----	43
GmFBX322	-----LQDLPEGCIAKILSYTT--PVDVC-----RLSLVSKAFRSAAESDTVW-----	41
GmFBX409	-----LQDLPEGCIAKILSYTT--PVDAC-----RLSVS--IAFRSAAESDTVWDCFLLSDFTSFIPP-----	54
GmFBX503	-----TINLLPEGCISYILSYTT--PVDAC-----RLSLVSKAFRSAAQSDTLWDRF-----	45
GmFBX502.1	-----KFEDLAEGCMAKILSYTT--RADVC-----RLSLVSKAFHSA-----	35
GmFBX255.1	-----FQGLPEGCIASILSRTT--PADVC-----RFSVVSKI FR S A A E S D A V W K R-----	43
GmFBX256	-----CMVNILSFTS--PRDVR-----RLSLVSSIFR--SDAVWDKFLP S D F H T M M E W Q M G P P F P S T I F S D K D L Y L Y L-----	64
GmFBX254.1	-----DLPEGCVAHILSYICT--PEDIV-----RLSLVSKAFYSAADYDTVWD-----	41
GmFBX58	-----LSDDLVLVDILGFLD--ASSLG-----ILATVSKSFYVFTN-----	33
GmFBX479	-----DELVLVDILGFLD--STSLG-----VLASVSKSFYVFTNHEPLWRNLV-----	40
GmFBX272.1	-----IHVILSKLG--AQDTA-----RVACVSKRFCSASDDTLWINHCFHELAL T Q P L D H L G N P L S S F K E C Y-----	61
GmFBX279	-----MGLESVGLAINVILKLG--AQDTA-----RVACVSKRFSSASDDTLWINLCFNELAL T Q P L D H L G N P L S S F K E C Y L-----	72
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....		



GmFBX404	-----SFTDFPEDIQVCILSFLG--PPEIA-----TLACTSKRMG-----SLCATDSK-----	41
GmFBX509	-----SFTDFPEDIQVSILSFLG--PSEIA-----TLACTSKKLG-----SLCSTVS-----	40
GmFBX362	-----HSTFSWFEDIWTEIAKFLD--GKSLV-----MLAATSRWFRAIMDDGIWKFFVCLRDQLQVPPPECVAFRWCKL-----	67
GmFBX9.1	-----LRLSDDCLAAIFHFLNT--ADRK-----RCSLVCLRWRVLVDGQRRHRL-----	41
GmFBX268	-----LRLSDDCLAAIFHFLST--ADRK-----RCSLVCRRWRVLVDGQRRHRL-----	41
GmFBX93	-----ADIPDECLAGIFQFLSS--VDRK-----TCSAVCRRWLR-----	32
GmFBX398	-----ADIPDECLAGIFQFLSS--VDRK-----TCSAVCRRWLR-----	32
GmFBX324	-----ISDLPNECLASVFQFLSS--ADRN-----RCSLVCRRWLQIE-----	35
GmFBX406	-----ISDLPNECLASVFQFLSS--ADRG-----RCSLVCRRWL-----	32
GmFBX68	-----IDDIIPDNCLASIFQLFPP--VDHK-----NFSLVCRRC-----	31
GmFBX110	-----IDDIIPDNCLACIFQLFPP--ADQK-----KLSLVCRRWLKVEGHTTHRLC-----	43
GmFBX363	-----YFPDEVIEHIFDYVVS--HSDR-----NALSILVCKSWYR-----	32
GmFBX469	-----YFPDEVIEHIFDYVVS--HSDR-----NALSILVCKSWYR-----	32
GmFBX18	-----PDEVIEHIFDYVTS--QRDR-----NDLSLVCKNWHR-----	30
GmFBX30.1	-----PEEVLEHVFSFIEC--DKDR-----GSISLVCKSWYE-----	30
GmFBX238.1	-----PEEVLEHVFSFIEC--DKDR-----GSISLVCKSWYE-----	30
GmFBX59	-----PEEVLEHVFSFIWS--ERDR-----NAISLVCKSWYE-----	30
GmFBX480	-----PEEVLEHVFSFIWN--ERDR-----NAISLVCKSWYE-----	30
GmFBX34	-----FPDQVLENVLENVLHFLPS--RRDR-----NAASLVCRSWYR-----	35
GmFBX333	-----FPDQVLENVLENVLHFLSS--RRDR-----NAASLVCRSWYR-----	35
GmFBX74	-----RTLSPLPDQVLENVLESVLHFLTS--RRDR-----NAASLVCKSWYR-----	40
GmFBX117	-----SLSPLPDQVLENVLESVLHFLTS--RRDR-----NAASLVCKSWYR-----	39
GmFBX142	-----KDLPEECWELVFRFI--GRHL-----ESLSLVCKQFLSIINRLQFS-----	41
GmFBX73	-----SIESLPDECLFEILRRLPA--GQDR-----SVCASVSKRWMLMLSSICKN-----	43
GmFBX115	-----SIESLPDECLFEILRRLPA--GQDR-----SVCASVSKRWMLMLSSI-----	40
GmFBX329	-----SIEALPDECLFEIFRRLPA--GEDR-----SACACVSKRWMLMLSSI-----	40
GmFBX401	-----EALPDECLFEIFRRLPS--GEDR-----SACACVSKRWLM-----	33
GmFBX298	-----EVLPEDECLFEIFRRLPS--GKER-----SSCACVSKRW-----	31
GmFBX393.1	-----EVLPEDECLFEIFRRLPS--GKER-----SSCACVSKRW-----	31
GmFBX78	-----DVLPEDECLFEVFRWLSS--GKER-----SSCAYVSKRW-----	31
GmFBX161	-----PDDLIVEIFSRlhs--MSTR-----DACSLVCRRWFR-----	30
GmFBX384	-----PDELIVEIFSRlhs--KSTR-----DACSLVCRRWFR-----	30
GmFBX301.1	-----LPDELLIEIFRRLDS--KSNR-----DAGSLVCTRWLR-----	31
GmFBX346	-----IPDELLIEIFRRLDS--KSSR-----DAGSLVCTRWLR-----	31
GmFBX145	-----NDCTSIMHLPDDCLVIIIFHGLDS--RIDR-----DSFGLTCRRWLH-----	39
GmFBX273	-----LMHIFNFLPP--IPDR-----FNTALVCHRWNYLACHPRLWLRV-----	37
GmFBX334.1	-----MDNIPEHIVWEILSRlKK--TSDR-----NSVSLVCKRLYYLDNAQRTFVRVGC-----	47
GmFBX366	-----DELLQEIFQKLPS--SSS-----SSVSLVCKRWLR-----	29
GmFBX465	-----DELLQEILQKLPS--SSS-----SSVSLVCKRWLR-----	29
GmFBX137	-----DELLLRILSKLPD--SSQQ-----RNSNSLVCKRWLN-----	30
GmFBX470.1	-----CWLLLPDELWRRILEIGIE--SNGFSY--KDLCCVSI--SCRRHLRLS--SEEPLWNRLLFSDYFQSQSHPPSSSSSSSSSSKSLYRLR-----	79
GmFBX158	-----GSNKKHGSVSVTTIKSLPKELQVEIFAKVAT--RSI-----FDHCMIKLCCKEFLHAAEDDYVRHASMENFALVPLPW-----	73
GmFBX388	-----KKHGSVSVTAIKFLPKELQVEIFAKVAT--RSV-----FDHCMIKLCCKEFLRAAEDNYVRHASMENFALVPLPW-----	69
GmFBX35	-----DDKPPILSLPSDLLEEIIAKAAS--KSS-----IDLVNIKLSCKDFLHASEANNVWKNVSLEDFFSGWYPH-----	64
GmFBX80	-----KKHDLFECLPDDLVLVILSKLSS--TASSP-----SDFINIILTCKRLNRLGLHRLVLSKAASKLFAT-----	61
GmFBX128	-----SKNKHDLFECLPDDLVLVILSKLSS--TASSP-----SDFINIILTCKRLNRLGLHRLV-----	53
GmFBX97	-----KTFEKTAGADYEFFESLPDDLVISIFCKLSS--TATKP-----SDFVNILITCKRLNRLALHSLVLSKASPRTFTI-----	69
GmFBX175	-----EKLAAGRYDFFESLPDDLVISIFCKLSS--TATKP-----SDFVNVLITCKRLNRLALHSLVLSKASPRTFTI-----	66
GmFBX304.1	-----DRLPDLSLLLVFNKIG-----DVKALGRCCVVSRRFHS-----	34
GmFBX343.1	-----DRLPDLSLLLVFNKIG-----DVKALGRCCVVSRRFHS-----	34
GmFBX8	-----IDRLPIDLLAHIFVLFTS--FTDLA-----QASGVCK-----KWKQGVKESLAR-----	42
GmFBX269.1	-----IDRLPIDLLAHIFVLFTS--FTDLA-----QASGVCK-----KWKQGVKESLAR-----	42
GmFBX44	-----IDRLPIDLLAYIFVLFTS--FTDLA-----QASGVCK-----KWKQGVKESLAR-----	42
GmFBX102.1	-----DSMPDAILQCILSRITN--ARDVS-----SCNCVSK-----RWKDS-----	34
GmFBX178	-----DSLPAAILQCILSRITN--ARDVS-----SCNCVSK-----RWKDS-----	34
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....		



GmFBX182	-----LPDAILQYILSHINN-ARDVA-----ACNCVSK-----RWKD-----	31
GmFBX337	-----LPDAILQYILSRINN-ARDVA-----ACNCVSK-----RWKD-----	31
GmFBX165	-----IAMGTMEDLPASVLAELSRFTD-TTDVA-----RCRVVSKSLNAASYEVRLNLV-----	50
GmFBX276.1	-----DQLPVEVIGNILSHLRA-ARDVV-----IASATCR-----KWRQACCK-----	37
GmFBX281	-----DQLPVEVIGNILSHLRA-ARDVV-----IASASCR-----KWRLACCK-----	37
GmFBX477	-----EHLPEVEIGNILSLLGS-ARDVV-----VASVTCK-----KWREA-----	34
GmFBX264.1	-----DILVKIFQLLDI-FELTS-----GISRVCS-----AWRLACCDPLLWKILD-----	40
GmFBX496.1	-----DILVKIFQLLDI-FELTS-----GISRVCS-----AWRMACCDPLLWKILD-----	40
GmFBX305	-----WLDLPRDVLCITIFQKLGA-TEILT-----RAQGVCS-----VWRAISKEPLLWRTID-----	46
GmFBX341	-----WLDLPRDVVCTIFQKLGA-TEILT-----RAQRVCS-----VWRGISKEPLLWRTID-----	46
GmFBX192.1	-----SASCQCTKGHLSEDVIFLVFHNLNWNPKLIA-----TLSCVCKWFDDLAKRVLWKEFCRTRAPKMLCDLQ-----	65
GmFBX444.1	-----SASCQCTKGHLSEDVIFLVFHNLNWNPKLIA-----TLSCVCKWFDDLAKRVLWKEFCRTRAPKMLCDLQ-----	65
GmFBX288.1	-----SASCQCTKGHLSEDVIFLVFQHLNWNPKLIA-----ALSCVCKWFDDLSKQVLWKEFCRTRAPKMLDLQSSGSHSVDCGN-----	75
GmFBX454	-----GHVSEDVIFLVFQHLNWNPKLIA-----ALSCVCKWFDDLSKQVLWKEFCRTRAPKMLDLQSSGSHSVDCGN-----	67
GmFBX3.1	-----MGPDILISDLPQSIIESILVQLP-IRDA-----VRTS-ILSSKWRYKWASITRLVFDDKCVPF-----	55
GmFBX25	-----MGPDILISDLPQSIIESILVQLP-IRDA-----VRTS-ILSSKWRYKWASITQLVFDDKCVPF-----	56
GmFBX23	-----RISDLP SHLIDFILQRLP-LQDV-----VRTS-LLSSKWRYKWTSI-----	39
GmFBX24	-----RISDLP SHLIDFILQRLQ-LQDV-----VRTS-LLSSKWRYKWTS-----	38
GmFBX407	-----RISCLPGHVIDQVLSHLS-IREA-----VRTS-VLSSKWR-----	33
GmFBX336.1	-----SVDRISQFPDHHVIHHLSHLRN-VNDA-----IRTS-VLSKRWRLEWYSYSVL-----	46
GmFBX184.1	-----IENLPIVLHDILSRLP-EKDA-----ARTS-VLSKKWAEIWS-----	36
GmFBX185.1	-----ISTLPKTIHLHDILSRMP-EEDA-----VRTS-VLSKSWAET-----	34
GmFBX280	-----NRDIISTMPDILGDILSRLT-LKEA-----ARTS-VLATKWRYHWTFFSGLLDFDHSLRNF-----	55
GmFBX395	-----GDLINKLPDGI PVAILSKLP-INEA-----ARTS-ILSRKWRYLW-----	38
GmFBX248	-----RLSELPDFVLLHIMNFID-TKDA-----LRTC-ILSKRWKDLWK-----	37
GmFBX250	-----RLSELPDFVLLHIMNFID-TKDA-----LRTC-ILSKRWKDLWK-----	37
GmFBX249	-----ERDRLSELPDFVLLHIMNFII-TKDA-----LRTC-ILSKRWKDLWKHLTLTSFYQS-----	50
GmFBX373	-----RISELPDNVLLHIMNFVD-TKDA-----VKTC-VLSKRWKDLGKG-----	38
GmFBX17	-----RISELPDCILMHIMSFID-TKDA-----VQTC-ILSKRWKDLK-----	36
GmFBX220	-----NISEFPDHLVLLHIMSLMD-TKSA-----VRTC-VLSKRWKDLCKRL-----	39
GmFBX219	-----RISELPDSILLHILNFMN-TESA-----VQTC-VLSKRWKDLCKR-----	38
GmFBX224	-----RISELPISVLLHILEFMN-TKDA-----VQTC-VLSKPWKDLCKR-----	38
GmFBX225	-----RISELPDSVLLHIIEFMD-TKSG-----VQTC-VLSKRWKDLWKS-----	38
GmFBX306.1	-----RPDRISALPDSLLFHMNFMD-TKSA-----VQTC-VLSKRWNDSLKCLTNLTFNS-----	49
GmFBX233.1	-----RLSDLPDFVLLHIMKFMS-MKHA-----VQTC-VLSKRWKELWKR-----	38
GmFBX374	-----RLSDLPDLVLLHIMKFMS-MKHA-----VQTC-VLSTRWKELWKRL-----	39
GmFBX105	-----LSDLPECILLHIMKFMN-TRHA-----VQTC-VLSKRWKDLWKR-----	37
GmFBX226.1	-----RLSELPDCVVLHIMEFMD-TKYA-----VQTC-VLSKRWKDLWKR-----	38
GmFBX227.1	-----RLSELPDCVVLHIMEFMD-TKYA-----VQTC-VLSKRWKDLWKR-----	38
GmFBX228.1	-----RLSELPDCVVLHIMEFMD-TKYA-----VQTC-VLSKRWKDLWKR-----	38
GmFBX229.1	-----RLSELPDCVVLHIMEFMD-TKYA-----VQTC-VLSKRWKDLWKR-----	38
GmFBX230.1	-----RLSELPDCVVLHIMEFMD-TKYA-----VQTC-VLSKRWKDLWKR-----	38
GmFBX231.1	-----RLSELPDCVVLHIMEFMD-TKYA-----VQTC-VLSKRWKDLWKR-----	38
GmFBX232	-----RLSELPDCVVLHIMEFMD-TKYA-----VQTC-VLSKRWKDLWKR-----	38
GmFBX247	-----RLSELPDCILLYIMKFMN-TKYA-----VQTC-ILSKRWKNLWKR-----	38
GmFBX485	-----RLSELPDSVLVHIMELME-TRNA-----VQTC-VLSQRWKNLWRR-----	38
GmFBX221	-----KISEMPDNILLHMMNFMD-TREA-----VQTC-VLSKRWNWLWKR-----	38
GmFBX222	-----KISELPDNILLHMMNFMD-TREA-----VQTC-VLSKRWNWLWKR-----	38
GmFBX223	-----KISELPDNILLHMMDFMD-TREA-----VQTC-VLSKRWNWLWKR-----	39
GmFBX251.1	-----KLPENVLLHIMNFME-TRHA-----VQTC-VLSKRWNWLWKS-----	35
GmFBX218	-----RISELPDTVLLHILNFMN-TKDA-----VKTS-VLFNRWKNFCKAL-----	39
GmFBX118.1	-----RLSDLPCEVLLHILTFILN-AKHA-----VRTC-VLSTRWKDLWKR-----	38
GmFBX355	-----RISELPITHVFLRILEFMN-TRDA-----VRLC-ALSKSWKDFWKR-----	38
GmFBX40	-----RLSNLPDEVLHRLSSLD-AKSA-----VQTC-VLSKRWTHVWTS-----	38
GmFBX138	-----VSNLPDEVLHRLSLD-AKSA-----VQTC-VLSKRWRHVWTS-----	37
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....		



GmFBX392	-----QEQQEEDRLSNLPDDIIDRVLYFLD--AVSA-----VQTS--VLSKRFIYLWTSLPVLKFDPLLHFSFVDH-----	64
GmFBX139.1	-----RLSDMPDCLIIHHILSFME--TKDA-----IQTC--VLSKRWRYLWA-----	37
GmFBX183	-----RLSDMPDCIIHHILSFME--TKDA-----IQTC--VLSKRWRYLWASV-----	39
GmFBX257	-----RLSGLPDEILFIIMSFTM--IKDA-----VKTC--ILSKRWRNLWKFL-----	39
GmFBX500	-----RLSGLPDEILLIIMSFTM--IKDA-----VQTC--ILSKRWRNLWKFL-----	39
GmFBX310	-----KDIISQIHDSILGHILSFLP--TMEA-----VQTS--VLSTRWIDVWTSITN-----	43
GmFBX359	-----ISQIHDSILGHILSFLP--TMEA-----VQTS--VLSTRWINVWTS-----	37
GmFBX360	-----EDIISKLHESILGHILSFLP--TMES-----VHTS--VLSKRWDAAKSITGLQFNDTLLCF-----	53
GmFBX361	RLPPEQTVVEGGIISKLHESILGKILSFLP--TTDA-----VHTS--VLSKGVHIVWKS-----	51
GmFBX317	-----SFSSLTESVLCYILSFLP--TKDA-----VATS--VLSKRWKPLWRS-----	38
GmFBX400	-----TLSKLPEPLVSHILSFLP--TKDA-----VRTS--VLSKKW-----	32
GmFBX311	-----IFSDLPDVIIIGRILSILP--TKEA-----VRTS--ILSKRWRNLWK-----	37
GmFBX399	-----FISNLPDFIIGLILSLLP--TKDA-----FRTS--VLSKRWINL-----	35
GmFBX356	-----KKSCKSNHEGPNKISYLSDVIIIGRILFFLP--NKDT-----VRTS--ILSKR-----	43
GmFBX358	-----KKSCKSNHEGPNNISYLPVVIIGRILFFLP--NKVA-----VRTS--VLSKR-----	43
GmFBX357	-----PNKISYIPDVIIIGRILFFLP--NKDA-----VRTS--VLSKS-----	33
GmFBX494	-----IGNLPNEIIQHILSLLP--TKDA-----VKTS--VLSRRWHSQ-----	34
GmFBX149	-----RISELPDDVVYHILSFLT--IKEA-----IATS--LLSTRWRFLWTML-----	39
GmFBX204	-----KISALPDEVLGHILSFLS--TQEA-----ISTE--LVSKRWQPLWL-----	37
GmFBX313	-----RISSLPDEIICHILSFLP--TIEA-----VTTS--VLSTRWRSI-----	35
GmFBX432	-----RISSLPDTLLCHILSFLP--TIES-----VATS--VLSKRWRPLWRSV-----	39
GmFBX206	-----RISSLPDTLLCHILSFLP--TKEA-----IATTSLLSKRW-----	33
GmFBX207	-----RISNLPDAVLCHILSFLP--TKQS-----IVTS--ILSKRWKALWRSV-----	39
GmFBX431	-----RISNLPDVVLSHILSILP--TNVA-----VATS--VLSKRWKLLWRS-----	38
GmFBX433	-----RISSLPNELLCHILSFLP--TKQA-----VATG--ILSKRWGPLW-----	36
GmFBX434	-----RISHLPDVLLQILSLLP--TKQA-----VITG--ILSKRW-----	32
GmFBX282	-----RISDLPDAVLHQILFLLP--IKCV-----AQMS--ILSKRWKFLW-----	36
GmFBX180	-----GKDLISALPDPLVGAIISLLP--NTEG-----VRTC--VFSKRWKAWMHMSHLNIDQVQMMKPFIOANLCGVHHKRCVDVPFQHQ-----	77
GmFBX314	-----KDLISTLPDSVLVSIIISLLP--CNEG-----VRTC--VLSNRWKTMMKHVPHLSLDQSK-----	50
GmFBX309	-----ISNLPDEIKTNILSKLC--IDEA-----VRCS--VLSKTWKGLWKG-----	37
GmFBX203.1	-----TDKLSSLPPELLCLFIIISLLP--FKDA-----VRTC--ILSKYWLHIWKNSPK-----	43
GmFBX216.1	-----KLSSLPPELLCLFIIISLLP--FKDA-----VRTS--ILSKHWLHIW-----	36
GmFBX259	-----SLLPEIVLITIVSFLP--FKEA-----VRTS--ILSKRWSKIW-----	34
GmFBX38	-----CFCLLPPIEVVLTILSLLP--FKEV-----VRTC--VLSKDWDLDICK-----	37
GmFBX39	-----SDRISSLPQLLMTIVSLLP--FKES-----MRAS--IISSKWLKACKLTKNIKEILRRDLVEFIHFWID-----	61
GmFBX22	-----LFSNLPDEILGRIVSFLP--NESS-----LETS--LLSTRWRDLW-----	36
GmFBX452.1	-----LFSNLPDQILCRIVSFLP--NESS-----LETS--LLSTRWRDLW-----	36
GmFBX491	-----LFSNLPDEVLS CIVSFLP--NESA-----LETS--LISTRWDLW-----	36
GmFBX267.1	-----DFFSNLPDEILS CIVSFLP--LETS-----LETS--LISTRWDLW-----	33
GmFBX143	-----IWSNLPFDILANIFSFLS--PDS-----LARARSVCNWHTC-----	36
GmFBX187	-----WSNLPDLILANIFSFLS--PDS-----LARA-----	24
GmFBX60	-----IEKKKNLFSELTDDIVLNIFYKLED--DPRH-----WARLACVCTKFSSLVDRDFCWKTKCSLTIPQDILLSAAASDPFLSLHKLSFCCPGLRH-----	85
GmFBX7.1	-----WANLPPELLLDIIIRVED--SETTPARAVVVYCGSVCKSWRAVTKEIVKTPEQ-----	52
GmFBX270.1	-----HWANLPPELLLDIIIRVED--SETTPARAVVVYCGSVCKSWRAVTKEIVKTPEQ-----	53
GmFBX15.1	-----WANLPPELLLDIIQVVEE--SETTPARAVVVFCASVCKSWRSITREIVKTPEQ-----	52
GmFBX369	-----WANLPPELLLDIIQRIE--SETTPARAVVVFCASVCKSWRSITREIVKTPEQ-----	52
GmFBX323.1	-----RWANLPPELLLDIIQRLA--SETTPARRALVACASVCLWREITKDVIKTP-----	51
GmFBX408.1	-----RWANLPPELLLDIIQRLA--SETTPARRALVACASVCKLWREITKDVIKTP-----	53
GmFBX20.1	-----RWASLPPELLCDVIKRLA--SETTPARKHVACAAVCKSWREMCKEIVTSPEF-----	53
GmFBX372.1	-----RWASLPPELLRDVIKRLA--SETTPARKHVACAAVCKSWREMCKEIVTSPEF-----	53
GmFBX151	-----WASLLELLRDVINRLEA--SETTPGCKHVACAAVCKSWREMCKEIVTSPEF-----	52
GmFBX283	-----RWASLPPELLGDVINRLEA--SETTPGRKHVVACVAMCKSWREMCKEIVTSPEF-----	53
GmFBX262.1	-----RWASLPPELLRDVINRLEA--SETTPGCKHVACAAVCKSWREMCKEIVTSPEF-----	53
GmFBX498.1	-----RWASLPPELLRDVINRLEA--SETTPGCKHVACAAVCKSWREMCKEIVTSPEF-----	53
GmFBX181	-----RWASLPPELLFDIIRLEE--SENTTPARKHVACAAVCKSWRMCKDIVKSPEF-----	53
1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....		



GmFBX338	-----RWASLPPELLFDIIRRLIEE-SENTPARKHVVACAAVCSWRNMCKDIVKSPEF-----	53
GmFBX302	-----CWANMPQELLREVLLRIEA-SEDTPPRKSVVSCAGVCRSWRHITKDIVKTP-----	51
GmFBX345	-----CWANMPQELLREVLFRIEA-SEDAWPPRKSVVACAGVCRSWRQITIDIVKT-----	50
GmFBX29	-----CWANMPPELLRDVLMRIEA-SEDSWPAQKHVVACAGVCRSWREIMKEI-----	47
GmFBX160.1	-----NMPRELLREVLLRIES-SEATWPSRRSVVACGGVCRTWRLIVKEIV-----	45
GmFBX386.1	-----WWANMPHELLREVLLRIES-SESTWPLRRSVVACGGVCRTWRRL-----	43
GmFBX286	-----WSSMLPEILGEIVRRVDA-AEEQWPNRQNVVACACVCKRWRDITREVV-----	47
GmFBX312	-----WSNMLPEILGEIVRRVDA-AEEQWPNRQNVVACACVCKRWRDITREVV-----	47
GmFBX33.1	-----DWSELTRECLINILSRLSV-EDR-----WRGTMLVCKSWFSVFKEPSLH-----	43
GmFBX67	-----WGELPPELLESTISKTLTI-YVD-----YLRFRSVCRSWRSSVVKIPLH-----	42
GmFBX307	-----DWSNLPRLDLSQIVSGLGL-ID-----FLSFRGVCEDWRVA-----	35
GmFBX340	-----WSNLPHDLLSRISSGLGL-ID-----FLSFRGVCKDWRVVS-----	35
GmFBX217.1	-----DWSSLPRGILEMVAERLTF-ID-----CLSIKSVCTSWNRV-----	35
GmFBX190	-----EGIGKVPEDVVIIEILVRGG--IREWE-----QISCVKKQWASLFRCDCECFWQAALSFYYPHQLPLPPPTWPFVPLFNNSKR-----	75
	1.....10.....20.....30.....40.....50.....60.....70.....80.....90.....100.....110.....120.....	

