

Supplemental Table S2. Prediction of conserved structural domains of FLA proteins in *Salix suchowensis*.

Name	Precursor protein backbones
SsuFLA1	<p> MDSHIYGVSKQTLFLFTLLCFSVASISALPHQNKGTGNSTVTGQMINSNSVLVA LLDSHYTELAELVEKALLLQTL EEAVGKHNITIFAPRNEALERQLNPEFKRFL LEPGNLKSLQTL L LFH IIPQRVDP AHHS LQRPPGVNHKNSGKKLVGSAALTRP NDVTRPDGVIHGIERLLVPQSVQEEFNRRRNLRSISAVLPEGAPEVDP RTHRL KKSEPPVRAGSQPVLPIYDAMSPGPSLAPAPAPGPGGPHHHFDGESQVKDFI QTL LHYGGYNEMADILVNL TSLATEMGR LVSEGYVLT V LAPNDEAMAKLTT DQLSEPGAPEQIIYYH IPEYQTEESMYNAVRRFGKIGYD TLR LPHKVVAQEA DGSVKFGSGDGSAYLFD PDIYTDGRISVQ GIDGVLFPEVEKESTSVKKS VSSV KIATTTPRRGKLMEVACRVLGTFGQDSHFTTCQ </p>
SsuFLA2	<p> MRKQLLSPFVFLMFFFLYSSTSLAQTPSPAPSGPTNITAILEKAGQFTTLRL MKSTQEADQINTQLNNSNQGLTVFAPT D NSFSS LKAGTLNSLSDQQKVQLV QFHILPSFLSMSNFQTVSNPLRTQAGNSADGEFPLNVT TSGNQVNIT TGVNSA TVANTIYTDGQLV VYQVDQVLLPLDLFGAAPAPAPAPSKPEKDVPKAPAGS KEDASVDASGASIAAVSFGAVLIAAISLKI </p>
SsuFLA3	<p> MSEMLSKNPSITTIKNILSLHVLLDYFGAKKLHQIRDGSALSATMFQATGSAP GSTGFVNITDVKGGK VAFGPKDNGGNLDVFYVKSVEEIPYNISVIQISKL FPS DVAAAPTPAPSAMNLT DIMSAHGCKVFADTLIANPDASKTYQDNIDGGLTVF CPLDDPFKAFLPKFKNL T ASGKESFLEFYGVPIYQSLAMLKSNNGIMNTLAT NGDKKFDFTVQND AEDVTLKTRSTAKIVGTLIDEQPLAIYSIDK VLLPKELF KAAPTPAPAPAPEAAADAPKSSKHKKPAADAAPSDSPADSPEGDAADQTADN NASVRLDGGRLVAIVLSLCLG LLLL </p>
SsuFLA4	<p> MDKYLLSFLLLLT TTTT TTSRSSTFNII STFGPTPSPTSAATPAPNPITNSNTRI AFSPTYAPSPITTVPTTPAPSSAPTPINNTTNTSATLAPTTTPLTAPAPTATETTL TPTSAPSPAPTPTTTETTLTPTSAPITAPTPTSITSILETSPAPTISTPVTTVTFS LSPTRSPLTPQQDELKFV IQEQIYNVIDAILGAGDFKNWANALTMADSTTFPI SSTFFIPSDNSLSPATTTAD PDI VPHYHVPQRLSFADLQQKAFSRLPTLLFDKSI LITNNSASNFTLDASRLTHPN IYTNA AIAVHGIDNLLDHSVYGTESGKKSSKP NAAGPPPTPDSPPPRAFVPSTADHEELTVHHHGESDAACLCTGVWTVFLVLC AALASKFHIMTLVH </p>
SsuFLA5	<p> MQQFILL SLLFLHNC SRTL CQSSVQSPTPTKAPVPPPSLAVPTDTIKILLKAG RFLSFVRLMKATQVD TQLFSQLNSSTDGITIFAPNDNAFSSRVAGAVGSLNDR EKLEFVQFHILPRFLSISDFQTVSNPVKTLAGSDNKLPLTIT TSDNSVKISSGLT KTSISNTIYTDKQVAIYEVDKVLVPKDLFPPAPPAPAPSKPVEESPVVPRDASA GAIIVLHHHLVFFGVGYIAALVFTL </p>
SsuFLA6	<p> MRQRSVSLVLFSLILFLQYCTR TSGQSPAAAPAMPPTTPVKAPPNAPSQAP SAQVATSPGPVDVGKILQKAGHFTV FVRLMQATTEDAELNKELNTTNGITI FAPSDNAFSSLSKSGFLNALSDEDKTELVKFHVLPALISSSQFQTVSNPVRTQA GTGPRVALNVTTGNFVNISTGLTNTSISGTVYTDSQLAIYQIDKVLFPVDIFT PKPPAPAPAPELGKPGKAAPGAESPTAPKEISGALTPLILVHNNALTLAVSCMV </p>

	AAIFS
SsuFLA7	<p>MTMRKQLLSPLVPFLIFFLCISTTVAQTPSPAPSGPANITAVLEKAGQFATFIRL MKSTQEANQINTQLNNSNQGLTVFAPTDNAFTNLKAGTLNSLSDQQKVQLV QFHILPNFLSMSSFQTVSNPLRTQAGNSAAGEFPLNVTTSGNQVNISTGVDTA TVANTIFTNGQLVVYQVDQVLLPLDLFGTAAAPAPAPSKPKDKVPAKAPAGS KEDASVDTSGATIAAVSVSAVLIAAISLKL</p>
SsuFLA8	<p>MRRQSFIASFLLFFLLCTKTLGQSPAAAPVKAPPAAAAQTPAAQVAAAPGPV DIKILQKAGHFTVFVRLMQATTEDIELNKLNTTNGITIFAPSDNAFSSLKA GFLNSLSDKTELVKFHVLPAFIASSQFQTVSNPVRTQAGTGPRVTLNVTTA GNFVNISTGLTNTSLSTVYTDSQLAIYQVDKVLFPDLDFTPKPPAPAPAPAELE RPKKAAPDVEAPTAAKDISGAFTAVVHNAVLLAISVVAAIFFP</p>
SsuFLA9	<p>MGMAQINPAISHITPTTTLFCYFLLLLSTTPILAITNITALLSSFPDFSSFTSLLA STPSITSDLNRSALTLLVIPNSYLSSSLDLTRRLSPSSRTDLLRYHILLQYLSSS DLHHLPPAGALITTLFQTTGRASANFGSVNITRNPVTNAITISSPSPFSSSNATV LSLIKTLPYNVSIISVNSLLVPYGFDMASETRPPLGLNITKALLDGHNFVAA SLLSASGVVQEFAYEGGAGITLFVPTDSAFADLSENDPTLATEDMGAGSFT LNISRANGSVAIDSGIVLASVTQTVFDQNPVAIFGVSKVLLPKEIFGNSPVLTS KPGNSDMGNAQPPAVALSPESAPKMLSSAPGAREEIKSGVGGSQWLSNLPFL CVVAVWYCI</p>
SsuFLA10	<p>MDSHIYGVSKKTLFLFTLLCLSVSSISALPHQNKAGNSTGSGQMINSNSVLVA LLDSHYTELAELVEKALLQTLEEAVGKHNITIFAPRNEALERQLDPEFKRFL LEPGHKSNSPSRHTTLCNDHQHLITQNSGKKLVGSAEVTRPDDVIRPDGVIHGI ERLLIPQSVQEDFNRRRNLRSSISAVLPEGAPEVDPRTHRLKKPEPPVRAGSPP VLPIYDAMSPGPSLAPAPAPGPGGPHHHFDGESQVKDFIQTLLLYGGYNEMA DILVNLTSLATEMGRLVSEGYVLTVLAPNDEAMAKLTDDQLSEPGAPEQIIYY HIIPEYQTEESMYNAVRRFGKIGYDTRLRPHKVVAQEAADGSVKFGSGDGSAY LFDPDYTDGRISVQGIDGVLPFEVEKESTSVKKSFSVSVKATTNPRRGLME VACRMLGTLGQDSRSLHVNEYTVKSRRKRKKRVMAGTMKTIDKW</p>
SsuFLA11	<p>MDSHIYGVSKKTLFLFTLLCLSVSSISALPHQNKAGNSTGSGQMINSNSVLVA LLDSHYTELAELVEKALLQTLEEAVGKHNITIFAPRNEALERQLDPEFKRFL LEPGNLKSLQTLFFFHIIHQRVGSNDWPGHKSNSPSRHTTLCNDHQHLITQNSG KKLVGSAEVTRPDDVIRPDGVIHGIERLLIPQSVQEDFNRRRNLRSSISAVLPEG APEVDPRTHRLKKPEPPVRAGSPPVLPIYDAMSPGPSLAPAPAPGPGGPHHHF DGESQVKDFIQTLLLYGGYNEMADILVNLTSLATEMGRLVSEGYVLTVLAPN DEAMAKLTDDQLSEPGAPEQIIYYHIIPEYQTEESMYNAVRRFGKIGYDTRLR PHKVVAQEAADGSVKFGSGDGSAYLFDPDYTDGRISVQGIDGFCFPRSRKR VLLRNPSVLLRPLPIQEEGN</p>
SsuFLA12	<p>MDSHIYGVSKKTLFLFTLLCLSVSSISALPHQNKAGNSTGSGQMINSNSVLVA LLDSHYTELAELVEKALLQTLEEAVGKHNITIFAPRNEALERQLDPEFKRFL LEPGNLKSLQTLFFFHIIHQRVGSNDWPGHKSNSPSRHTTLCNDHQHLITQNSG KKLVGSAEVTRPDDVIRPDGVIHGIERLLIPQSVQEDFNRRRNLRSSISAVLPEG APEVDPRTHRLKKPEPPVRAGSPPVLPIYDAMSPGPSLAPPSSRTRWAHHHFD GESQVKDFIQTLLLYGGYNEMADILVNLTSLATEMGRLVSEGYVLTVLAPND EAMAKLTDDQLSEPGAPEQIIYYHIIPEYQTEESMYNAVRRFGKIGYDTRLR</p>

	HKVVAQEADGSVKFGSGDGSAYLFDPDIIYTDGRISVQGIDGVLFPEVEKEST SVKKSFSVSVKVAATTNPRRGKLMVACRMLGTLGQDSRFTTCQ
SsuFLA13	MDSKASSLLFIAFLCLISTSTAFNITRILAQYPEFASFNDLLSQSGLAQEMNGR QTITVLALDNGSIDGLSGRPLDIAKRILSAHVILDYDQIKLSKLQKASTIVTT LYQASGVAEDRQGFNISRRTAEGIKFGSAMKGAPLSASLVKSIYSQPYNISVL QVSEPIETPGIENMAPPPPGTA AVPKKTPAPAPSTKTPPAAPPTAKTPAKSPAK SPSKAPAPSKEGPSTPTEAPAGGPVADGPVADVPSNSPDPDKAASSRMHVAG ATVVIGLFIACIMGF
SsuFLA14	MESSLKFLILIFSFSIITISIAFDGVETTTNLSPSPPPQQQRITSPPPQVSNSDNL HDHSFFSHTTLLAPILSHLGFTQLAMVAPSLSADPTTTAWSGPFTLFAPSDSSL STCFSCSIPDLLREHIVPGLFTIDYLRKLAFGTKIETLSPGRCMTVTSNSLNND TVSHSSVKVFIGGVEITHPDLFNNGVLIHGIQGYIAPLSPLSCDVERLSSLSFP NHERVTPHVTSTTHQQGVGTLMQPAIMRLMLRDAMLRLRNNGFTILSLAMR VKYPELVTLANMTVFALDDVSIFSGSHGYINSVRFHIVPNHYLSITDLERLPV GASLPTLERGQALVVTSAGGFNMAVPMRINYVRVKVPDLMKNLKI AVHSVY LPFPRIHPTSAAPYDEITGGGGGGYNVVA AEAEDGACSMVY EEDGSNCW MVPMPAQVKPSVAVQIDEDHHGL
SsuFLA15	MESSLKFLILIFSFSIITISIAFDGVETTTNLSPSPPPQQQRITSPPPQVSNSDNL HDHSFFSHTTLLAPILSHLGFTQLAMVAPSLSADPTTTAWSGPFTLFAPSDSSL STCFSCSIPDLLREHIVPGLFTIDYLRKLAFGTKIETLSPGRCMTVTSNSLNND TVSHSSVKVFIGGVEITHPDLFNNGVLIHGIQGYIAPLSPLSCDVERLSSLSFP NHERVTPHVTSTTHQQGVGTLMQPAIMRLMLRDAMLRLRNNGFTILSLAMR VKYPELVTLANMTVFALDDVSIFSGSHGYINSVRFHIVPNHYLSITDLERLPV GASLPTLERGQALVVTSAGGFNMAVPMRINYVRVKVPDLMKNLKI AVHSVY LPFPRIHPTSAAPYDEIIGGGGGGNVVA AEAEDGACSMVY EEDGSNCW MVPMPAQVKPSVAVQIDEDHHGL
SsuFLA16	MAMAPSTSCSNIFFAFLLLSFFYPGFSSTLQENHGNGSYSGQISSNSVLV ALLDSHYTELAELVEKALLQTLED AVGEHNITIFAPKNEALERDL DPEFKRF LLEPGNLKSLQTLLLYHIVPNRINLSRNTSAHHRSTLCRDRIKLSSQESGEKFI DSAKIIQVNAVERPDGVIHGIERSLQISAVKPEGAP EVDPRTHRLKKAAPP SK PAPAPGPGPHHHFNGEKQVKDFIETLLLYGGYNEMADILVNLTSLATEMGR LVSEGYVLTVLAPNDEAMAKLT TDQLSEPGAPEQIIYYHVIPEYQTEESMYN AVRRFGKISYDTRLRPHKVLAQEADGSVKFGHAENSAYLFDPDIIYTDGRISV QGIDGVLFPLEEEKLDTKTEIKSVKVA AKPQRRGKLL EVACRMLGTFGKDSH FTTCQ
SsuFLA17	MAATKILLSLLSFLPSSFSIPTETLREAAVTLNSNGYLSMSLTLPLVSNLL PHITPSLTIFSPCDTAFTQAGQPPLSILRLHFSPLSFPLNSLESLSLGAKIPTLFPN HSLTITSTGYDISLNGVKIRDSPVYDDGSLVILGVDRFFDPGFGASGQNLGCS VKVSSDCYSYNEASRVLKSKGY SVMASFLDLQLMAGFKDKTALTIFAPVDE VIKAFLGDLSEYSSMFRKHVVPCKIMWGD LVNFDDGVVLETY LKGFIAVS TSGDNLMLNDQASVNFPMYHNDWLVIHGLRSILMEPESEYSFLDDGDEF
SsuFLA18	MRQSFISVLSLILFFLHCTKTLCSFAAAPAMAPPTTPVKAPPADSSQAPSAQ VATSPGPVDINKILQKAGHFTVFARLMQATTEDTELNKELNNTNNGITILAPT DSAFSSLKAGFLNSLSDKTELVKFHVLP AFISTSQFQTVSNPVRTQAGTGP

	RVTLNVTTTGNFVNISGLTNTSISGTVYTDSQLAIYQLDKVLYPLDIFTPKPP APAP ^{EP} ALGKPGKA ^{AP} GV ^{SE} PT ^{AP} KDISAAPTQLFLHDNALLAVSCAFAVIIS
SsuFLA19	MAMAMAQSSSNIFFTLFSTFHLGFSSA ^L QENHSNETYSGQINSNSILVALL DSHYTELAELVEKALLLQ ^T LEDAVGKHNITIFAPKNEALERDLDPFKRFLLE PGNLKSLQ ^T LLLYHIVPDRVNL ^S HTSSVHHHSTLCSDRVKLSGQKSGDNLIDS AKIIQVNAVERSDGVIHGIEKLLIP ^R SVQQDFNRRSLRSISAVKPEG ^{AP} EVDP RTHRLKIP ^{AP} PEKPGSPVLPYDAM ^{AP} GPSL ^{AP} AS ^{TP} AP ^G PHNHFNKEKQV KDFIETLLSYGGYNEMADILVNLT ^S LATEMGR ^L VSEGYVLT ^V LAPNDEAMA KLPTDQ ^L SEPGAPEQIIYHV ^I PEYQTEESMYNAVRRFGKISYDTLSLPHKVL SQEADGSVKFGDAENSAYLFD ^P DIYTDGRISVQ ^G IDGVL ^F PIEKEKSQTKME IKSVKVAVKPQRRGR ^L LEVACRMLGTFGQDSHFTTCQ
SsuFLA20	MQRLTLLSLIFFLSTATTFRG ^H NITHILGKHP ^S FSTFNHYLTLTHLAGEINRR TTITICAVDNAAMSELLSKHPSIATIKNILSLHVLLDYFGTKKLHQ ^I RDGTALA ATMFQATGS ^{AP} GSSGFVNITDVKGGKVGFGPEDNEGNLDV ^F YVKSLEEIPYN ISVIQISKVLP ^S DVAA ^{APT} PEPSAMNLT ^D IMSAHG ^{CK} VFADALLANPEASKTY QDNMDGGLTVFCPLDDPFKAFSP ^R FKNLTASGKVSFLEFFGVPVYQSLAMLR SNGIMNTLATDGEKKFDFTVQNDGEEVTLKTRSVTAKIAGTLIDEQPLAIY TIDKVLLP ^K ELFKAA ^{APAPAP} EKEVA
SsuFLA21	MKNHFSVFLFSAILLSLHCNQLS ^Q SPAA ^{AP} AK ^{AP} AAAS ^{APP} PAATSTAQAS ^{SP} PVMVPVQVSKGPVNVIKILQKAGGFAV ^F IRLIKSTQEDIQVFSQLNDSRDGVT IFAPTDGAFSAIIKSGVLNLSVLNLS ^{SD} HQKIELVQFHIIPKILTTANFQTVSNP ITLAGSGSRFALDVITTENMVNVTSGLTNTSVSAIVYTDSQLAIYQVDKVL PLDIF ^{AP} PKSL ^{APAPSPP} KPKKDDGEE ^{TP} VVPEDISGAVSCAMLNSLVIFGAGM AAAVFPL
SsuFLA22	MLLKLAQ ^{SE} AA ^{AP} GPPGANVTKILEKGG ^Q FSVFTRLLKATREDVTLNGQLN NTNNAITIFAPSDSAFSSLKPGTLN ^S LDQEKAE ^L VQFHIIPQYLSSSQFQLN VTTAGNSVNITTGLTNTSVSGTIYTDNQLAVYQVDKVL ^{LP} VDIF ^{TP} KPPPP ^{AP} AP ^E KTRRGSKSAE ^{SP} DTSVDNSGAVTLNVLDNAVFFGVGIVAVIFSL
SsuFLA23	MKQOCSLSFFSFFLLLRCTSTFA ^Q SEAAA ^{AP} AQ ^{AP} AAVVAQPPAA ^{TP} AQAAQ PHGAINVTKILEKAG ^H FTIFIRLLRSTQEDSHLFSALNDSSSGVTIFAPTDGAF SELKSGTLN ^T LSGDKSELVKFHVVP ^T FLSTSQFQTVTNPLGTWAGTGNRLP LNVTSYPNSVNITTGLTNTSLSGTVYTDSQLAIYKIEKVLLP ^K DIFASK ^{APAPA} PV ^{APAP} EKPTKAVPAATVE ^{SP} V ^{AP} VDIPVHFCSLKIMWWDPLA
SsuFLA24	MATTPLSLFLLSLLLSLSLYAQA ^Q TPA ^{AP} APT ^{PS} GPVNFTAVLEKGGQFVTLIR LLNK ^T QTLN ^Q IDNQLN ^S SSSEGMTVFAPTDNAFNNLKAGALN ^D LSQQEQASG PDGVWGLNFTGQSNQVNVSTGLVLVQINN ^A LRQDFPLAVYPVDKVL ^L PEAL FGVKPPSA ^{SPPAP} SSKSNATEAAAGPTTDN ^{NA} AGGRNVALGLVVGLGLVCIGI LS
SsuFLA25	MTLHLRTA ^{AP} AQ ^{APP} AVVAQPPAA ^{TP} TQAA ^{AP} HGITNVTKILEKAG ^H FTIFIRL LRSTQEENHLFSALNDSSSGLTIFAP ^T DSAFSELKSGTLN ^T LSGDKSELVKFH VVPTFLSTSQFQTVSNPLGTWAGTGSRLPLNVTSYPNSVNITTGLTNTSLSGT VYTDSQLAIYKIEKVLLPKDIFASN ^{APAP} EPVQ ^{AP} VREKPTKAVPAANVE ^{SP} V AP ^V DISSSVTFMQNSVIGSVGIVLAAAMFAL

SsuFLA26	<p>MKKQYSSISFSVFILFLHCSNTFAQSPAAAPAQAPPAVVAQPPAATPTQAAAAPN GITNVTRILEKAGHFTIFIRLLRSTQEENHLFSALNDSSSGLTIFAPTDSAFSEL KSGTLNLTSDGDKSELVKFHVVPTFLSTSQQFTVSNPLGTWAGTGSRLPLNV TSYPNSVNITTGLTNTSLSGTVYTDNQLAIYKIEKVLLPKDVFVGSKAPAPAPA APVREKPTKAVPEATVESPVSPVDISSALMFTHNNVGVSGMVAAAMFAL</p>
SsuFLA27	<p>MKKQYSSISFSVFILFLHCSNTFAQSPAAAPAQAPPAVVAQPPASPTQAAAAPN GITNVTRILEKAGHFTIFIRLLRSTQEENHLFSALNDSSSGLTIFAPTDSAFSEL KSGTLNLTSDGDKSELVKFHVVPTFLSTSHRLPLNVTSYPNSVNITTGLTNTS LSGTVYTDNQLAIYKIEKVLLPKDVFVGSKAPAPAPAAPAREKPTKAATVESPV SPVDISGALMFTHNNVGVSGVIVAAAMFAL</p>
SsuFLA28	<p>MRKQYSLSSFSFFILFLHCSNTFAQSPAAAPAQAPAAVVAQPPAATPTQAAAAP HGITNVTKILEKAGHFTIFIRLLRSTQEENHLFSALNDSSSGLTIFAPTDSAFSE LKSGTLNLTSDGDKSELVKFHVVPTFLSTSQQFTVSNPLGTWAGTGSRLPLN VTSYPNSVNITTGLTNTSLSGTVYTDSQLAIYKIEKVLLPKDIFASNAPAPAPV QAPVREKPTKAVPAANVESPVAPVDISSVTFMQNSVIGSVGIVAAAMFAL</p>
SsuFLA29	<p>MKKQYSSISFSVFILFLHCSNTFAQSPAAAPAQAPPAVVAQPPAATPTQAAAAPN GITNVTRILEKAGHFTIFIRLLRSTQEENHLFSALNDSSSGLTIFAPTDSAFSEL KSGTLNLTSDGDKSELVKFHVVPTFLSTSQQFTVSNPLGTWAGTGSRLPLNV TSYPNSVNITTGLTNTSLSGTVYTDNQLAIYKIEKVLLPKDVFVGSKAPAPAPA APVREKPTKAVPEATVESPVSPVDISSALIHTSLAHCIVIFFIEH</p>
SsuFLA30	<p>MASCShwwhAPVYFIASAVLAFIAISTALNSPPSKATRPTRPISNHISLNASRT LRESGFNIMATLLLIPEMFFSSENTTIFAIKDSSLVNTSIPPWFLKNLLKYHTS PMKLSMEDVFKKQPGSCFPTLVDRKKLAVTKIDAKQRLAEINHVLVSHPD MLERQIAIHGVLAPFSSLRKDVYLGWESIQAICDDNSSLVSDATDPGIVLE WTRIIHLLSSHRFVSFAIGLNSVLDRILADHKNLSSVTIFAPPEFDFVASSPML ERIVRLHILPQRATYKDLAALPKHRLRLLPDVDLEITNDVNVYQGLAING VEIAAPEILSSKEFIVHGITQAFKMAKFPNASR</p>
SsuFLA31	<p>MAALRYSLLSFTLSALVSTVLAHNITDILSGFPEYSEFNKYLTQTKLADEINT RQTITVLALNNGAMSALAAKHPLSVIKNALSLLVLDYFDPTKLHQISKGST LSTTLYQTTGNAPGNLGFVNITDLQGGKVGFGSAAPGSKLESSYTKSVKQVP YNISILEISQPIIAPGILTAPAPTPSAGCKTFASLLQTSQGVKMYQSAADKGLTIF APNDEAFKAAGVPDLSKLTNAEVVSLQYHATASYSPPFGLKTSKDPISTLAS NGAGKFDLTVTSAGDSVTLHTGIGPSRVAETVLDSTPLVIFTVDNVLLPVELF GKAPSPAPAEPPVSAPSPSFIASIPAPAVEAPSPLAA SPPAPVEIPGGAPADA PFGSENSTADGNAAVHVIVPVQVTVFAAVICSILMS</p>
SsuFLA32	<p>MEFSLVIVLSSALLFACAPLAYAQKVA SPPAPTPTSPAPAPSPFYVNLTLLSV AGPFQNFNLYLESTKVIDTFQNQANNTDEGITIFVPKDDAFKNLKNPSLSNLT QDQLKQLILFHALPHFYSLSDFKNLSQVSPISTFAGAGGYALNFTDSSGTVHL DSGWSKTKVSSSVHATDPVAIYQVDKVLLPEAIFGTDIPP TPAPAPAPETSPITA DSPITSDDTTGS SPANSLPNSSFRINGVGIWSQLVLGIAGVVVFL</p>
SsuFLA33	<p>MPRPLPLTLAVSLALLASTATVNAHNITRILAKHPQFSTFNHYLTVTHLAAEI NRRQTITVLALDNAAMSSLLSKQLSVYTLRNVLSLHVLVDYFGTRKLHQITN GTEVTATMFQATGSAFGSSGYVNITDLNGGKVAFGAEDSNGKIDAVYVKSIV EIPYNISVLQISQPLNSAEAEAPTAAPTLNVTAILSKQGGCKAFSDLLIASGAHT</p>

	TFEENV D G G L T V F C P T D A V I N G F M P K Y K N L T A P Q K V S L L L Y H G I P I Y Q S L Q M L K T S N G L M N T L A T N G A N K Y D F T V Q N A G E V V T L E T K V T T A T I T G T V K D E E P L V V Y K I N K V L L P R E L F K A V Q K A P A P K G A K V V A D G P A A D A P S D E S V D Q T A D N N G V N K I D G G R L A V V A L S L F Y G V V M F S
SsuFLA34	M K R Q I S F S F S L V L L F L H C S Q T L S Q P P T A A P A K A P A A A T A P P L A A T S A Q A S P P V M V P V Q V S K G P V N V I K I L Q K A G H F A I L T R L I K S T Q E D I Q L F S Q L N D S R D G V T I F A P T D G A F S A I I K S G V L N S L T D H Q K I E L V Q F H I P R V L S T A N F Q T V S N P I T T L A G S G S R F T L D V I T T E S M V N V T T G L T N T S V S A I V Y T D S Q L A I Y Q V D K V L L P L D I F A P K P L A P A P A P Q P K K D D G E E S P M I P E D T S G S V T C M V H N T L F M F G V G I V A A A I P L
SsuFLA35	M V P Q F L F S A S F I L F F L L Y C P T I L A Q S P A A A P A P A G P T N V T K V L E K G G Q F S V F I R L L K A T Q E D V T L N G Q L N N T N N A I T I F A P S D S A F S S L K S G T L N S L N D Q E K A E L V Q F H I P Q F L S S S Q F Q T V S N P L T T Q A G S G R L E L N V T T T G N S V N I T T G L T N T S V S G T I Y T D N Q L A V Y Q V D K V L L P L D I F T P K P P T P A P A P E K T K R S K A A A S P E S P A D A S G A V S F A V L N N V V F F G V C M V A A I Y S L
SsuFLA36	M S L R F S P V F A L C F S L L L F F N T A R A F N I T Q I L S Q Y S D F K T F S S Y L T E T Q L A G E I N S R Q T I T V L V V E D G N M S P L S G K P K D E I K N V L S G H V I L D Y Y D V A K L Q K L Q N K T A M L T T L F Q S S G Q A V G Q Q G F L N V T V L S T N S V A F G S A A P G S S L S S N L V K S V S S Q P Y N I S V L Q V S N I I P A G T G K T N S T T S P V T I G S P K T S P T S P A S S P E K P P S S N P P P S K A P A P S T A K P P P T N A P A P S M V K P P A A N A P S A T P P A M S T S P V E G P S P A T A D G P S A D S P T L S P P A M D G P V A A T P A A D G P L A D A P S D P K S D A S V I N P G N N L A S F A P I L L A F A L A
SsuFLA37	M A T V L L F F L I L L L I S S S V L A A S S P F S N A L E I L S A S G Y L S M A L T L Q I T S K R L N L E S S A A T I F A P L D I A F A R V G Q L S A L D L Q Y H I S P L R L S G D Y L S S L P F G A K I P T L L P N H S L T V T T S L G Y F D G K L S I N G I S I E E S A L V D F G S L I I F G M G E F F S S S L E I S P N I T P A P S P S P V T S L G D T S Q N E P S G M D A D Y L G Q A S H L L I L T I F A P L D Q A M E E Y A K N A S D Y S S I F R H H V V P G L F P R Q D L E G F N D G T S L P T F F R G F M I N L T R S G D V L V L N G V P L I F P D M Y Q S G W L V I H G L N Q L L M P P M K E I V G E S F S E L D G G E D K P D V L D F D E Y V Y G S P
SsuFLA38	M D S K V S S L L F I A I L F L L S S T S T A F N I T K I L A Q Y P E F A S F N D L L A Q S G L A Q E I N G R E T I T V L A L D N G S I D G L S G R P V D I A K R I L S A H V I L D Y Y D Q I K L S K L Q K A S T I V T T L F Q A S G I A D D R Q G F L N V S K T A E G I K F G S A M K G A P L V A S L V K S V Y A Q P Y N I S V L Q V S E P I E A P G I E N M A P P P P A A V P K K A P A P A A K T P S K A P A P S K V E P S T P A E S P T E G P V A A D V P A A S P L A D A P L A D E V P A K A A S S Q M H V G G A V V V V G L L A C M V G F
SsuFLA39	M A P I N P A I S H I T P T T T L T Y F I L L L L T T T T T T T P I L A I T N L T A L L S S F P D F S S F T S L I A S T P S L T S D L S D R S A L T L L V I P N S Y L S S S L D L T R R L S P S A L A D L L R Y H I L L Q Y L S F S D L H Q V P P S G T L I T T L F Q T T G R A S S N S G S V N T L P Y N V S I I S V N S L L V P Y G F D L M A S E T R P T L G L N I T K E L L D G H N F F V A A S L L S A S G V V Q E F E A D E G G A G I T L F V P T D S A F S D L S A T A I S L Q S L P A D K K A D V L K F H V L H S Y Y P L G S L E S I V N P V Q P T L A T E D M G A G S F T L N I S R V N G S V A I D S G I V Q A S V T Q T V F D Q N P V V I F G V S K V L L P K E I F G R N P V L T S K P G S P D M G N A Q P P V S V L S P E T S P K M L S S A P G V R E E I K S G V G G L Q W L S T L P L L F V V F V C N C I
SsuFLA40	M S P Q D L M I N K S T S K I L L H L L L L S L L H Q I T T A A L T D Q Q L E F A L L S L R S H G Y T L F P N A I S T S D L R F H L L N Q T N N A T S T F T L F S P P D S L L F S V D L S S T A S H Y T K S L F L H V S

	<p>PSRLSMSDFRNLTAAASGGTYIDSLVPNHRLINNSQARLNGTVDGSVLVNRV RVSVPDLFLGSDIAVHGLDGILVAGFDDKVEDTSFEAATSSPANEIWSAELNSP PAVRFPARKRNGKNRRRNGKNRRRNGRNGGITRSNHRGRRIHDFGRGGGR NIGGGTRGDGTHGAFSKYNNRL</p>
SsuFLA41	<p>METFTLLVLLMKVLVCATSPTGIPSKSQDLVVATNEMARANYFSFVLLINMS PLDQRLQENVTFMLPKDRMLSKIRMHQNAVSGFLLRHSIPSPLLFDHLQHIPP GSLIPSSDPDYMLNISNKGRKNFSLNNVRITSPNLCTAGSSIRCHGIDGVLFVA TDRPHLPACSNSSSPAVAPLPLSDIPSPFSPAPAGAAAPTDQEHSPKHSGSSH LESPSPGGLLK FVATSILVLNVWVL</p>
SsuFLA42	<p>MATSPLSLLILSLFSLSLHAQAQAFAAPAPASSGPVNFTAVLEKGGQFVTFM RLLNKTQTFNQIENQLNSSSEGMTIFAPTDNAFNLLKAGALNGLSQQQQVQ LLQYHMLSKFYSLSNLLVSNPVSTQASGHEGVWGLNFTGQSNQVNVSTGL VEVQINNPLRQDFPLAVYPIDK VLLPEELFGVNRTIASPPPPATSSGKSNSSETA AAEPSPGKNSAGGRNVALGSIVGLGLVCMGIIS</p>
SsuFLA43	<p>MKPQYFLSSFSIFLLFLHCTNTFAQSPAAAPAQPPAVVASPAATPTQAAAPHG ITNVTKILEKAGHFTIFIRLLRSTQEENHLFSALNDSSTGLTIFAPTDSAFSELK SGTLNTLSDGDKSELVKFHVVPTFLSTSQFQTVSNPLGTWAGTGNRLPLNVT SYPNSVNITTGLTNTSLSGAVYTDNQLAIYKIEK VLLPKDIFAPNAPAPAPVKP APEKPAKEVPEVTAESPAASVDISSARIFTRNLVVGSAGLLASAMFSL</p>
SsuFLA44	<p>MKQQLISSFSMIFLFLHCANTFAQIPAAAPAQAPAVVVASPPAATPTQAAAPH GITNVTKILEKAGHFTIFIRLLRSTQEENHLFSALNDSSTGLTIFAPTDSAFSEL KSGTLNTLSDGDKSELVKFHVVPTFLSTSQFQTVSNPLGTWAGTGNRLPLNV TSYPNSVNITTGLTNTSLSGAVYTDNQLAIYKIEK VLLPKDIFASNAPAPAPVA PAEKPAKAVPAATVESPAASVDISSALIFTHNLVVGSAGLLASAI FSL</p>
SsuFLA45	<p>MKPQYFLSSFSIFLLFLHCTNTFAQSPAAAPAQPPAVVASPAATPTQAAAPHG ITNVTKILEKAGHFTIFIRLLRSTQEENHLFSALNDSSTGLTIFAPTDSAFSELK SGTLNTLSDGDKSELVKFHVVPTFLSTSQFQTVSNPLGTWAGTGNRLPLNVT SYPNSVNITTGLTNTSLSGAVYTDNQLAIYKIEK VLLPKDIFAPNAPAPAPVKP APEKPAKEVPEVTAESPAASVDISSARIFTRNLVVGSAGLLASAMFSL</p>
SsuFLA46	<p>MDRLQHLLISLYLLILFINLTKTAQSPAPAPAPGPNTVIKILKKAGHFKNFIR LLKSTQLDSNLNSQLGNTNNGLTIFAPSDTAFSVLKTGTLPSLTDQEKLELMQ FHIVPMFISSSQFETVSSPLKTHAGSGARTHQH HYFDTVYMDTNLAIYQVDK VLLPLDIFTPKPAPAPAPELKAESESPDDAVSKKDISSGVSFAMLRD TVLFI AA TVAAISFSL</p>

Green: Signal peptide;
Red:AGP-like glycosylated regions;
Yellow: Fasciclin domain;
Gray: GPI-anchor protein;