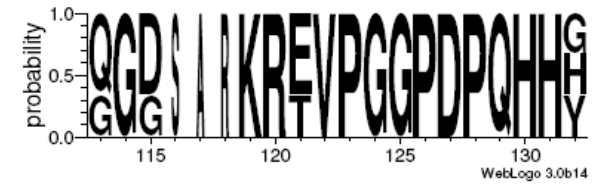


Group1

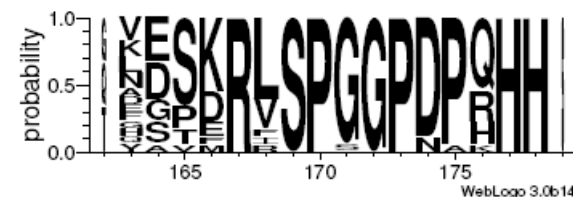
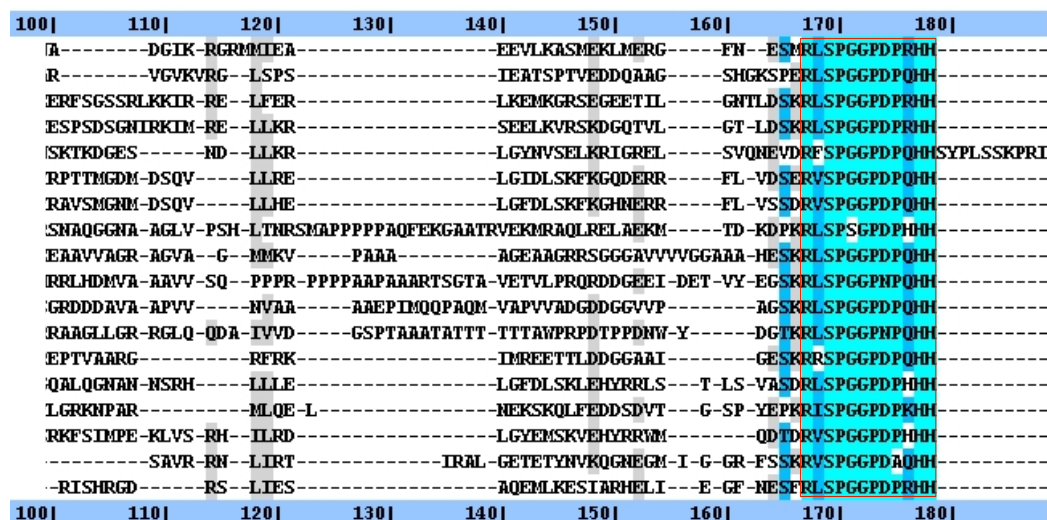
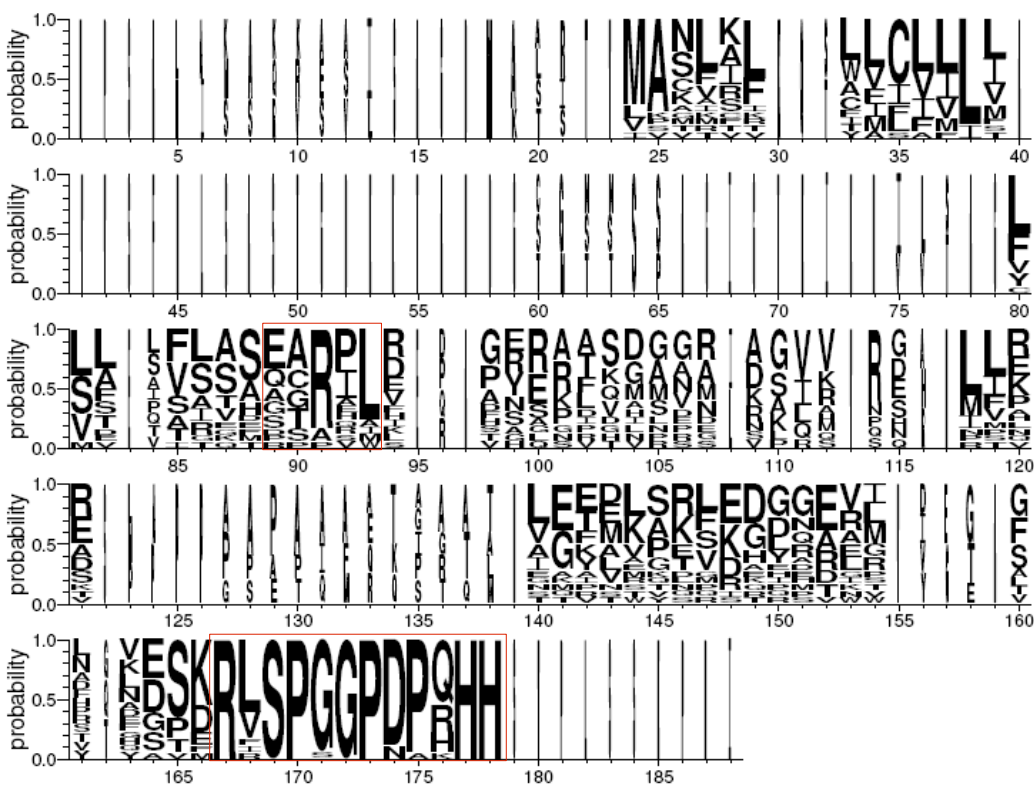
3 members

LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130
CLE106_Oryza sa	-----	-----	MAIRSCVCTVLC	---	LVLVVVGLAATQAEARAL	AEYAAPPG	---	GDYDDVAGGGGGGFGIRRRRPG	RMNV	RSLOGG	---	KREVPGGDPQHNY	
CLE108_Oryza sa	-----	-----	MDGQDRSNGKLCRRPQORRMRTQEL	AAPEARRIV	---	YAAAVGYSTGACEGGVAGNGGGGA	---	QPRFKMTRREIGG	---	KRTVPGGDPQHNY			
CLE152_Zea mays	GHD	TERRNTPALGSRSPQVLRWLQTFSLRSTPMAARVGI	VVLC	---	SLLLLIVG	---	AATAEARVV	---	PPGYAAPDIDVARRAGTGGGR	---	RGGIPRGSRMNV	QSVQGSARKREVPGGDPQHNY	
LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130



Group2
18 members
dwarf 21
HgCLE

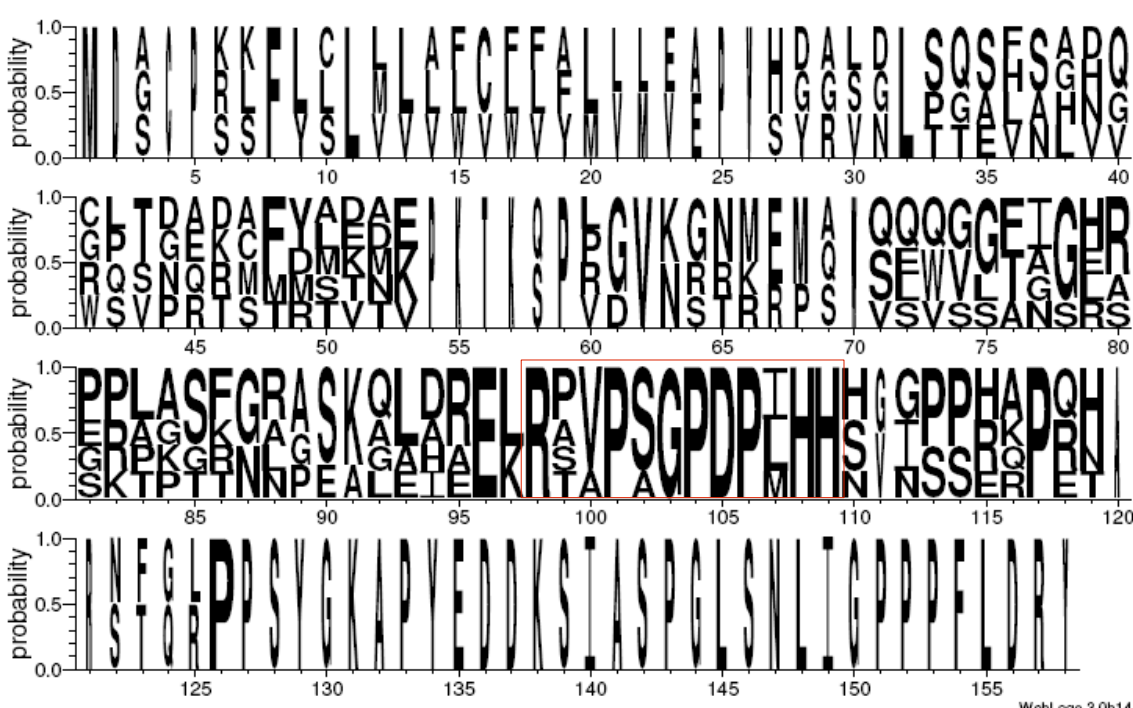
LADDER	10	20	30	40	50	60	70	80	90	100	
CLE1_Arabidopsi	-----	-----	MANLKF	--LLCLFLI	-----	-----	-----	CVS	-LSRSSASRPMF	---PNA	
CLE2_Arabidopsi	-----	-----	MAKLSF	--TFCFLIF	-----	-----	-----	LLL	-SSIARGSRPTE	---GAR	
CLE3_Arabidopsi	-----	-----	MASLKL	--WVCLVLL	-----	-----	-----	LVLEL	TSVHECRPLV	---AEE	
CLE4_Arabidopsi	-----	-----	MASFKL	--WVCLILL	-----	-----	-----	LLE	-FSVHQCRPLV	---AEE	
CLE5_Arabidopsi	-----	-----	MASKAL	--LLFVMLT	-----	-----	-----	FLL	-VIEMGRILR	---VNS	
CLE6_Arabidopsi	-----	-----	MANLILKQSLIILLII	-----	-----	-----	-----	YST	-PILSSQARILR	---TYR	
CLE7_Arabidopsi	-----	-----	MNTLILKQTLIILLII	-----	-----	-----	-----	FSL	-QTLSSQARILR	---SYR	
CLE47_Heteroder	-----	-----	MPNLFK	--ILLIVLLAVVSFRLSASTGDKKKTANDGSGNNSAGIGTKIKRIVTAGLLF	-----	-----	-----	TSL	ATGGREAI	---GRS	
CLE95_Oryza sat	NPSALISSQKEAISAGDMAARTYLAVFAF	-----	CAILM	-----	-----	-----	-----	LSA	-VARSASARALRERAPEE	-----	
CLE99_Oryza sat	-----	-----	MKLIT	-LSCCLC	-----	CLLLL	LV	-----	TGSSSP	-----	
CLE102_Oryza sa	-----	MARRAST	-----	IVARVI	-----	AACVLLV	-----	VVD	-AAAAAPARRL	---GSG	
CLE104_Oryza sa	-----	-----	MAKLAL	-----	-----	CFCVLV	-----	LVL	-VLASSPAPLS	-D-DRR	
CLE110_Oryza sa	-----	MAKAKVSVL	-----	VAGVTT	-----	LNCIILL	-----	ILS	-YSA	-VTAEAGRQVE	---GRE
CLE132_Populus	-----	-----	MASR	-----	VA	STSR	-----	AMILL	LM	-----	
CLE135_Populus	-----	-----	MANLKL	-----	-----	WVCLLLL	-----	FLT	-FSKSETRHLD	-Q-PYL	
CLE136_Populus	-----	-----	MATS	-----	-----	MKMRIL	-----	LLS	-VGS	SDAR	---FSR
CLE137_Populus	-----	-----	MACVRF	-----	-----	YLCVMI	-----	LLS	-FAQSETRPLD	-P	
CLE139_Populus	-----	-----	MANMRV	-----	-----	FLFFILS	-----	LLF	-FSTFETRSID	---	



Group3

5 members
CLV3, fon4

LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	
CLE46_Arabidops	MDS--KSFLLLLLFCFLF	-----	HDASDLTQAHAVQGLSNRKM	MMKME-----	-----	SEWVGANGEAEKAKTKL	---	GLHEELRTVPSGPDPLHHVNP	PRQPRN--	NFQLP	-----	-----	-----	-----	-----	
CLE48_Oryza sat	M-G--RLFLCLVAVWCWVALLV	APVHGRVGLPGEFSGDQRPVP	ATSEDLVTEPKTKQPRG	VKGTRRP	SWSSWSS	TASRS	PPPGRGAPSAAAAAELRS	V	PAGPDP	PMHH--	GS	PRRPEI	AR	STGR	P	
CLE125_Populus	M-ACPSKRYSLMLVLFYVMEE	--SYGLNLSQSLSLHGCSTG	QRCFYAEV---	SPVDVKS	RK---	VLVVL	TGGLRGPTGST	NGE	KLEIREL	RAAP	SGPDP	PLH	NGGS	PEK	PRT	
CLE143_Zea mays	-----	-----	STSVNANVWQDDEAFYSTNK	-----	LVN	GNMEMA	QQQGGF	I	HRPRL	ASFNR	ASKQLDREKRP	V	PSGDP	PI	HS--	
CLE147_Zea mays	-----	-----	-----	-----	TR	DDK---	PGVNR	MEMQ	QQQGGF	I	HRPRL	ASFNR	ASKQLDREKRP	V	PSGDP	PI
LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	

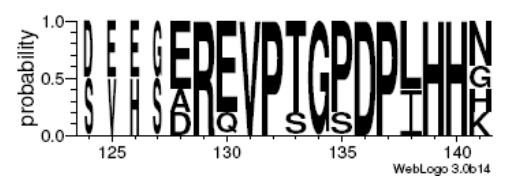
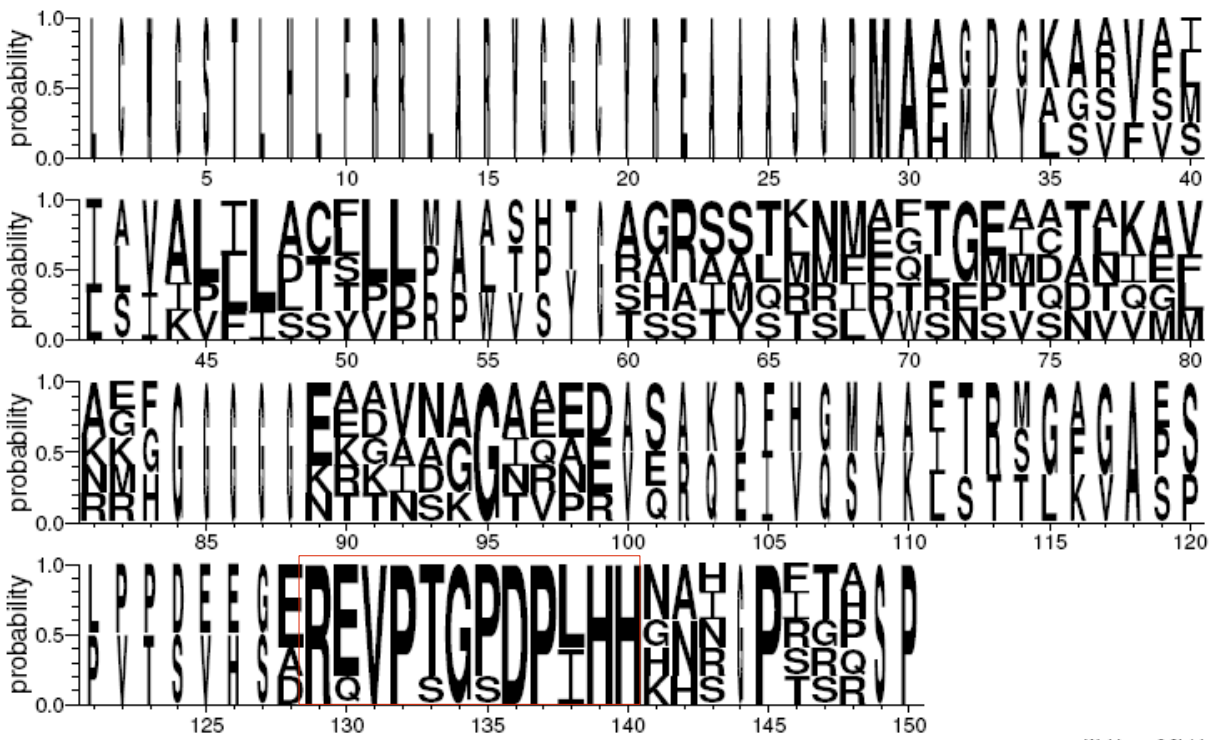


WebLogo 3.0b14

Group4

5 members

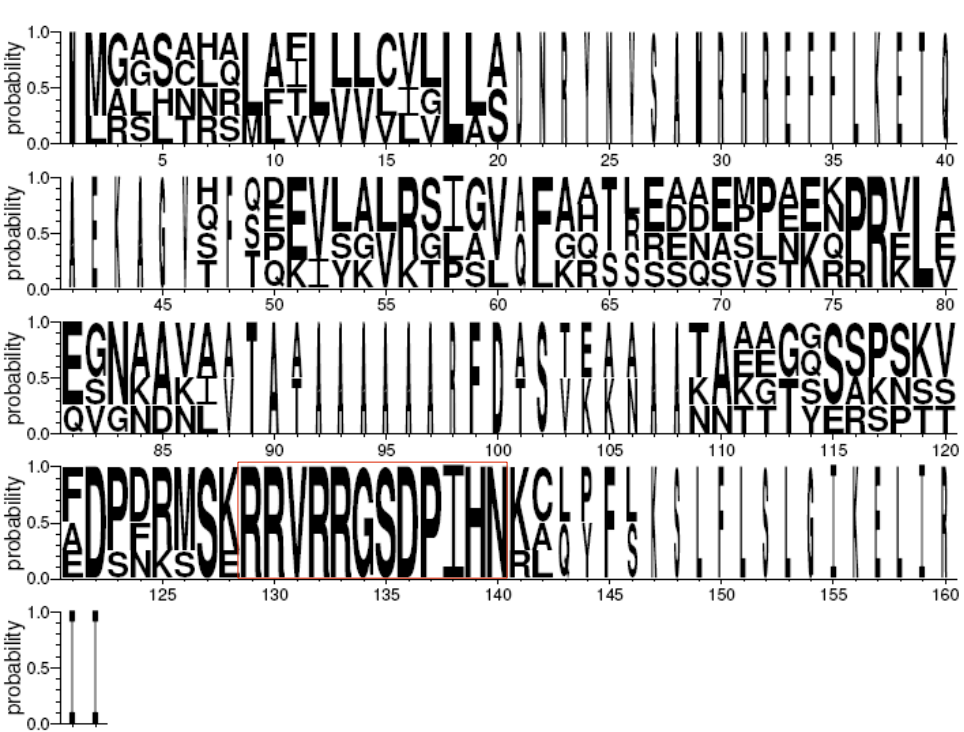
LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130	140
CLE40_Arabidops	-----	-----	MAAMKYKGSVFIILVILLSSSL	-----	AHSSSTKSEFFYLETQDTKAMKK	-----	EKKIDGGTANEVE	-----	-----	-----	-----	-----	ERQVPTGSDPLHKKHI	PFTP--
CLE61_Glycine m	-----	-----	-----	KPLLDTYLL	-----	TGRIYQTNMAGTESIATNKEVAREFG	-----	NEAASAGIVED-S	-----	-----	-----	-----	AREVPTGPDPLHNNH	PIGH--
CLE93_Oryza sat	-----	-----	MAA--KAAVVM--	ALFLACTLDRAWPTGAARTMTMMVQRGEVS	AVVAVNGGGGGGERGNGG	QAPE--	QRKEFVGM	AFT	TRSLAV	APPPPSVHG	DREVP	SGDP	PIHGAS	PSSASP
CLE124_Populus	-----	-----	MAFGDGLSRFSSISIALIILTFVLMPLVH--	SSRSSSLNIRFTNMACNLIMFAMH	-----	ETTVAAGNR	ARASAQD	IHQSYKITRM	GKASSL	VTDEES	SEREV	PTGP	PLHNNH	PTTR-P
CLE150_Zea mays	LCWGSTLHLFRRLARVGGCVREAAASGRMH	-----	AAVVALLAVAVIL	ACLPPPARSSY	-----	RGAAALRRLET	SEPM	TAQGLRE	-----	KADV	NKGA	EED	-----	-----
LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130	140



Group6

4 members

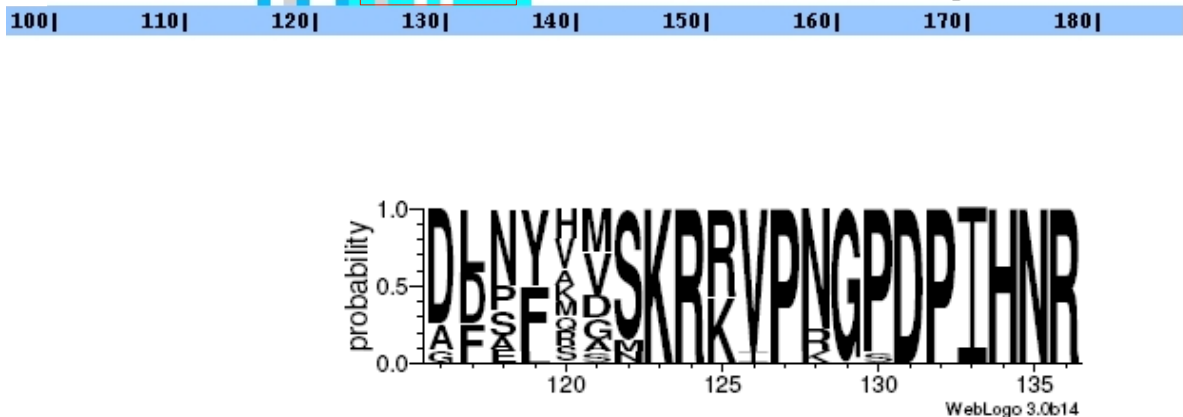
LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160
CLE45_Arabidops	MLGSSTRSMFFLLVCIGLLADNRYNVSAMRHREFFLKETQAEKAGVQ	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CLE79_Oryza sat	-MALSANRLLTVLLCLLLS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CLE98_Oryza sat	-MGAHCHQLAIDLVLVLLAS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CLE100_Oryza sa	-MRGLNLALAVLVLVVLLA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160



Group7
14 members
long root

LADDER	10	20	30	40	50	60	70	80	90	100
CLE25_Arabidops	-----	-----	-----	MGGNGIRALV	-GVIASLGLV	-----	LLVG	-ILANSAPSVPS	-SENVKTLRFSGKDVNL	-----
CLE26_Arabidops	-----	-----	-----	MRNHSLRLQLWF	-RTLFTVGVVIL	-----	LMDAFVLQNNKEDDKT	-KEITTAVMNNSDAKEIQELE	-----	---
CLE34_Glycine m	-----	-----	-----	NLHMGGNSSTTSSSSSSSSFFLSRFL	-RALLVMGLVSL	-----	LVLG	-SLGSGEGTIHP	-TTQ	-----
CLE66_Medicago	-----	-----	-----	SYMTYKYNTIREKALHMDTNSNTSSSSELF	SRFFFRVLVVGVFCF	-----	YVFS	-SLVSGGGTGQT	-TTR	-----
CLE78_Oryza sat	-----	-----	-----	-----	MAILL	-GVLV	-----	LMDG	-GEKTGAPATAA	-GRRLVGAADAGQMR
CLE80_Oryza sat	-----	-----	-----	-----	GIMSRFARSARRVSATTLAILF	-GGLI	-----	LVS	-LVET	-SAKPPSPGSSV
CLE85_Oryza sat	-----	-----	-----	-----	MCGGGGGGQMVVVLL	-VCVVLVSSAAMAGGARTGPVHLAGG	-----	TASSSSAPGPA	-VATPRGDAAAGATTMTA	-----
CLE86_Oryza sat	-----	-----	-----	-----	MGIRRLSERLLRAMAC	-CRIVLVFFFTF	-----	FF	-FCVC	-VLVATTTTMDA
CLE117_Populus	-----	-----	-----	-----	MGCSGSSCSLSFKVLL	-GGIATVVFVML	-----	LLVG	-ALESGATSKMT	-TSRLNSVQATQNDLKD
CLE118_Populus	-----	-----	-----	-----	MGRGGRILRALL	-GAVIFVGVVWF	-----	LYVG	-ILPNHATTLMA	-RIRVP
CLE126_populus	-----	-----	-----	-----	MG	-GGGCSLSFKVLL	-----	LLVG	-ALESGATKMT	-RTQTVLDSIAQDDLRR
CLE163_Lycopers	-----	-----	-----	-----	-----	LVFF	-----	LL	-LLIE	-VLENGGVTTKM
CLE164_Brassica	-----	-----	-----	-----	-----	-----	-----	-----	-----	RPITAVFQETVETVRFSGKDVNL
CLE168_Brassica	-----	-----	-----	-----	FLSLFPPTNEDRTQTKPTRLETMRNLQSLRLQLFS	-RTLFTVGLVIL	-----	LMDAFALQNNNEADTT	-KETTTIMSKNSITHG	-----
LADDER	10	20	30	40	50	60	70	80	90	100

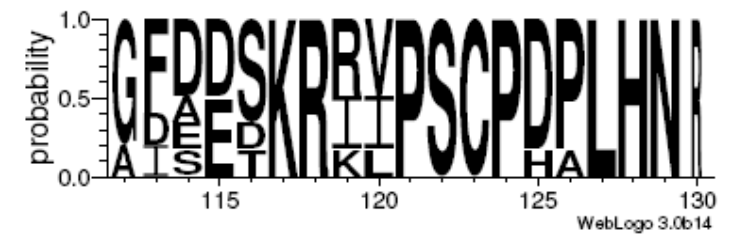
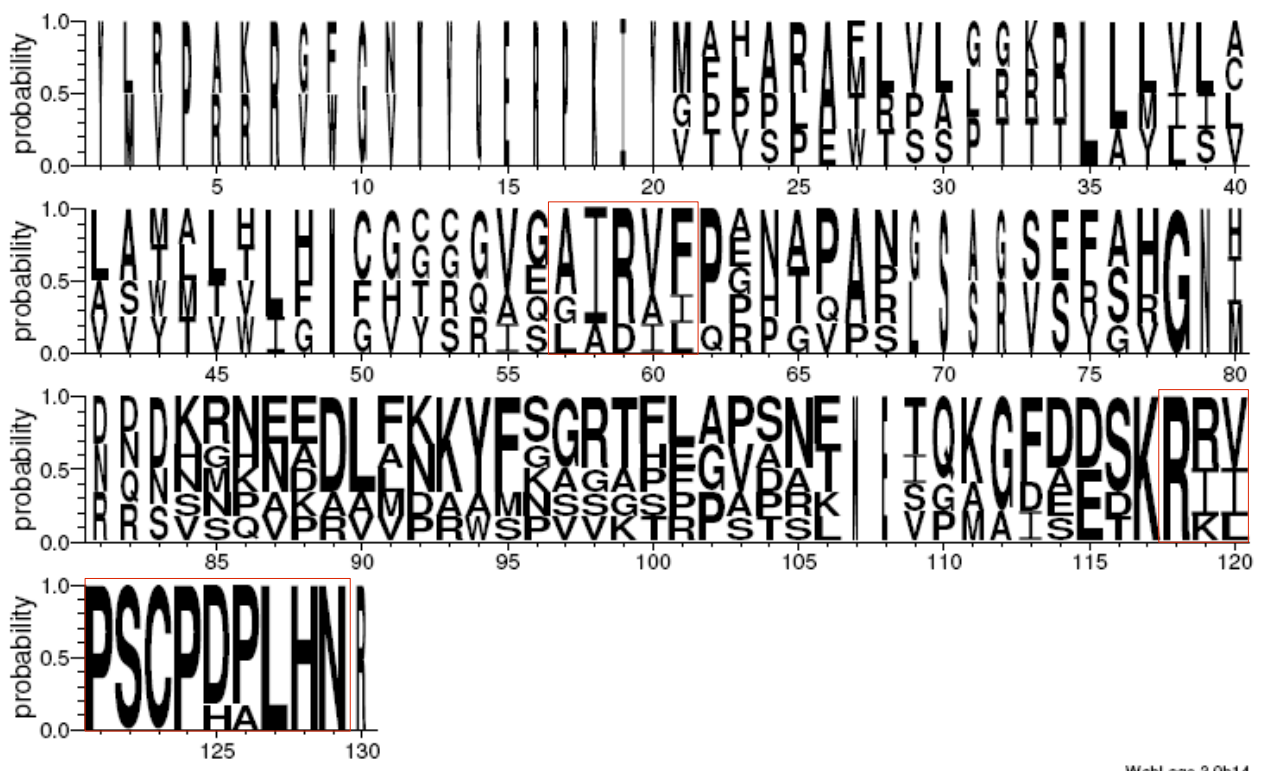
100	110	120	130	140	150	160	170	180
-----	-----	-----	FHVS	SKRKVPNGPDP	IHN	KAETS	SRRP	PRV
-----	-----	-----	DGSRND	LSYVASKRKVPRG	PDP	IHN	RLLL	SRF
-----	-----	-----	VVGRDK	PV	---	DRAEL	DFNY	-MSKRRV
-----	-----	-----	VVGKDK	GVVVNHD	AQL	DFNY	-MSKRRV	PNGPDP
-----	-----	-----	-----	LEDFK	ADD	PFQD	SKRRV	PNGPDP
-----	-----	-----	LVHSH	RSL	---	EDFN	AGDAF	SSM
-----	-----	-----	TTMT	TAAA	---	TTAT	AAD	PYKD
-----	-----	-----	ELTAG	S	PA	---	RYS	AG
-----	-----	-----	VIGRE	KLV	---	YNSEL	DLNY	M
-----	-----	-----	LSG	RESHL	---	IRHD	MDL	NY
-----	-----	-----	LIGRE	KLV	---	YNPEL	DLNF	V
-----	-----	-----	SSGA	HH	---	VHQK	IDE	NL
-----	-----	-----	-----	FHVS	SKRKVPNGPDP	IHN	KAETS	SRRP
-----	-----	-----	DGTR	HGDL	SYAG	SKRKV	PRG	SDP



Group8

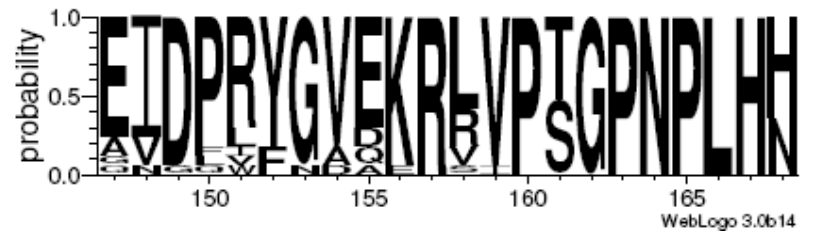
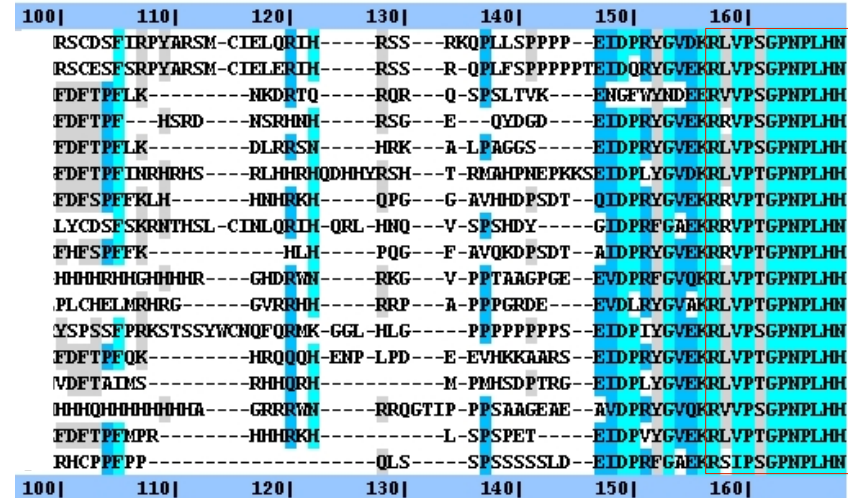
6 members

LADDER	10	20	30	40	50	60	70	80	90	100	110	120				
CLE24_Oryza sat	-----MPPPPATTPLP	RRRLALILCLAWALV	LH-GGGGGISLADAF	QAPT	PARLSSGSSYAVG	-----SRPVP	AAAPRWSSSSASEAAARF	-----ADDKRRI	PSCPDALHNR							
CLE27_Arabidops	-----MTHAREWRSS	LTTLMLVILLSYMLHLF	-CVYSRVGAI	RI	FE-TPAS	-----G-----	KRQEEDLMKKYFGAGKFP	PPVDSF	--VGKGI	SESKRIVP	PSCPDPLHN					
CLE55_Glycine m	YL	VPRKRVFGNWQERPKIYVFYSL	AMLVAGGKRLLYVSVVVM	VVLHMCHT	CQVGAIRV	EPGNAVAN	----VEF	SHGNMDHNKSKEEDLEFKKYF	SGRTHL	GPSNT	--TQKGFDD	SKRRVP	PSCPDPLHN			
CLE64_Medicago	-----						-----ARG	QDVMHNKDLLNKYFKGRITFF	GSSNKNET	QMGFDD	SKRKVP	PSCPDPLHN				
CLE77_Oryza sat	-MRPARRG	WGV-----GALARAF	LVL-----LLLLAAATTTT	TIG-FGCRGAE	AIRV	IPPHGPAPGSARSSRGHG	-HRRSHGNAAR	VDAAMP	VVGT	RPVPAL	--SPAAD	EESKRRI	PSCPDPLHNR			
CLE176_Phaseolu	-----						VOGIRV	LP	RNAQPN	----VEF	SHGNINDNNND	LENKYFNGRT	PLAPTNT	--IQKGF	DETKRIL	PSCPHPLHN
LADDER	10	20	30	40	50	60	70	80	90	100	110	120				



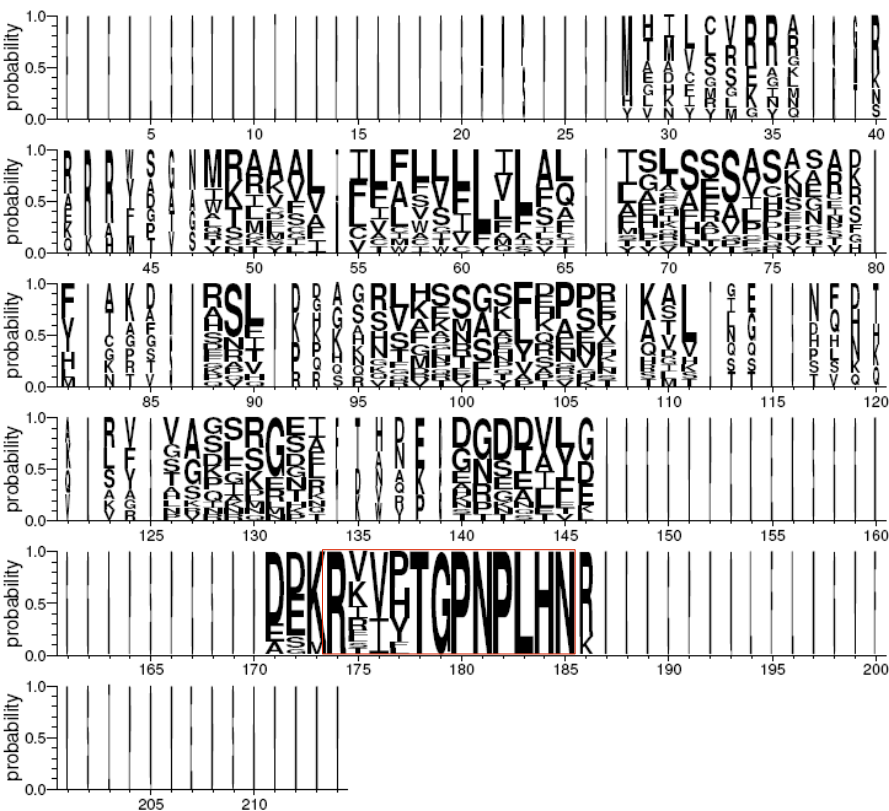
Group9 17 members wus-like

LADDER	10	20	30	40	50	60	70	80	90	100
CLE9_Arabidopsi	-----MTMTHLNRLILISLLEFVSLLLKSSSTASSTVVDEGNRTSRN-----FR-----YRTHRFVPRFNHPHYHTPHR									
CLE10_Arabidops	-----MKTNRNRPINILIVFFLLTTARAA-----TRN-----WT-----NRTHTVPKV-QHAYYAYPHR									
CLE11_Arabidops	-----MTKQPKPCSFLEHISLLSALFVFLLSFAFTT-----S-----YKLSGGINSL-GHKRILASNE									
CLE12_Arabidops	-----MLR-ISSSSSMALKFSQILFIVLWLSLFFLL-----LHHLYSLN-----FRRLYSLNAVEPSLLKQHYRSYRLVSRK-----VLSDRF									
CLE13_Arabidops	-----MATTRVSHV-LGELLWISLLIFVSIGL-----FGNFSKPK-----IN-PFPSVITLPAly-----YRPGRRALAV-----KTE									
CLE39_Medicago	-----MFFGFKSNISTST-----SGKT-----MITGNKFPVS-QSRKMLATGE									
CLE52_Glycine m	-----MKRTVIIEFFLLFFFSLGN-----CRLHSQ-----TKPSSPSSRN-TQNNQQHLL									
CLE67_Medicago	-----MALKIYQVVHILLWLSLLELL-----FHQYYNLK-----YSKIYKKQII-----QASHHSSPSH-HSRKVLARKE									
CLE72_Medicago	-----MSR-----RLGAAAAVLLLWLAVLTFAALHGY-YGGRLGSARRRNILLQHPALALHLPTKRMLLAVASF-----DDASSPSSLT-TTDRH-----H									
CLE83_Oryza sat	MGG-----LAP-----SAPWRWSWSVARAVELASLLVLSAQ-----QQPRPPRA-----PEMSAVDVAI-----LARVCGGSS-RQAAPVPLP									
CLE91_Oryza sat	-----MKN-PLSSTISFSSQYRLLILTLFFVIST-----ATRIPN-----YASLDTSSRN-HRDSFKIQRY									
CLE122_Populus	-----MALKISHIPCALLCLYLLLAHELNRN-----FKSKINNN-----KDQINNI-----SSSSISHPPF-HNRKVLVSKE									
CLE123_Populus	-----MLVSNV									
CLE141_Populus	HEGCRPAMRR-----PHAARTALAAILLVLCALAAALTR-HGSGICQQAQRT-----PTRKMLLAMTSF-----DDDDAASPS-PSGHRHPHH									
CLE142_Zea mays	-----SPCSLSPVITDIAVIEKIVTKKCLFAL-----IL-----STAVFCLTHGW-----CNYSDNVILS-HRRELATKE									
CLE173_Solanum	-----R-MAR-----KCIVLACLIFLSFSA-----MASIPNST-----KKY-----DQEDHLHSPS-VICYQFORIR									
CLE175_Lycopers										



Group10
 17 members
 dwarf 14/21
 AtCLE19
 BnCLE19

LADDER	10	20	30	40	50	60	70	80	90	100			
CLE16_Arabidops	MEACSRKRR	RRRAYTTSTTGAAA	VFFCGIFVFAQ	FGISSSALFAPDHY	PSLPRKAGHFHEM								
CLE17_Arabidops	MTHVLVRRGQGGKRRYDVMHMTMCF	LEFFVVFVVSFQ	IVLSSSASVG	Y	SRL	HLVAS							
CLE19_Arabidops	MKIKGLMILASSLLILAF	IHQSESAS	M	RSL	LMNN								
CLE21_Arabidops	MLLSSRYA	MKRDVLIIVFTVVLII	ISRSSSIQAGR	FMTTGRNRNL	SVARS								
CLE22_Arabidops	MGNYYSRRK	SRKH	ITTVVAL	ITLILLFLFL	YAKASSSSPNIH	H	HST	HGSLKKS					
CLE32_Gossypium	MTIFRGGIG	RFSGGVRAARV	FLWIVLFFSQ	LGLHFVHHNNS	NKD	AST	SSGSHQS						
CLE35_Medicago	MHDLCLENN	MRLMSL	FCLWFLLVL	FLFNTSFSAGE	Y	AKS	QNF	RTKSM					
CLE54_Glycine m	FHFHLSSTHKAIPKAQVCSVPPHSPYAMICVKN	NQ	QKMSCV	ILELLL	LLST	TPCHAAARKTR	F	DRL	KGGSSDDE				
CLE56_Glycine m		RTRRRLS	YNRVAL	FFLWVLFVSL	ISLFFSINNESK	TRTS	HSI	PKRRSFSR					
CLE81_Oryza sat		MRRRRWPA	RCAAL	CIAVVVLQAA	AAARSLSSSRR		RAM	DHGHRVALP					
CLE94_Oryza sat		MVMLLRRL	ISAEFL	LTLVLLFLQLGI	ISTTVGCCSCCS	F	CGD	EQQ	KQQQQHGV				
CLE96_Oryza sat		MMRRR	YSRAAV	VACLLL	AAAC	AESARPLPAPAK	AAA	AVV	VVRPR				
CLE120_Populus		MVS	HHKVGVEAR	RARRYAGAARAII	FLFWILLIAQ	LGVFLVVEETD	KPV	KSL	PKRARVET				
CLE133_Populus					MRLLVV	LVMASCLMIFA	STGSDAVPKSAF	L	FPI	DDANRKT'S			
CLE134_Populus					MG	LRKELA	CLALLFLILL	LETSSVPDRSAR	H	GSE	KNTGST		
CLE140_Populus								MSLLETPCYAVG	Y	GKF	SSV	KGSS	
CLE162_Brassica								NMKIKSL	ILASSFLIAF	IHSSESAS	F	RSL	LMKN



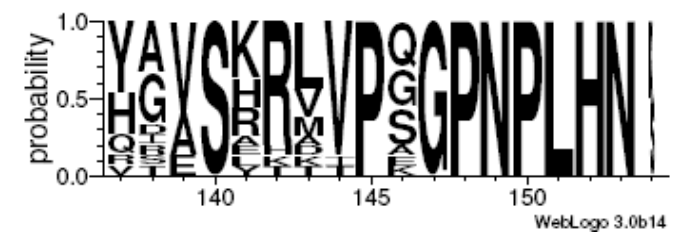
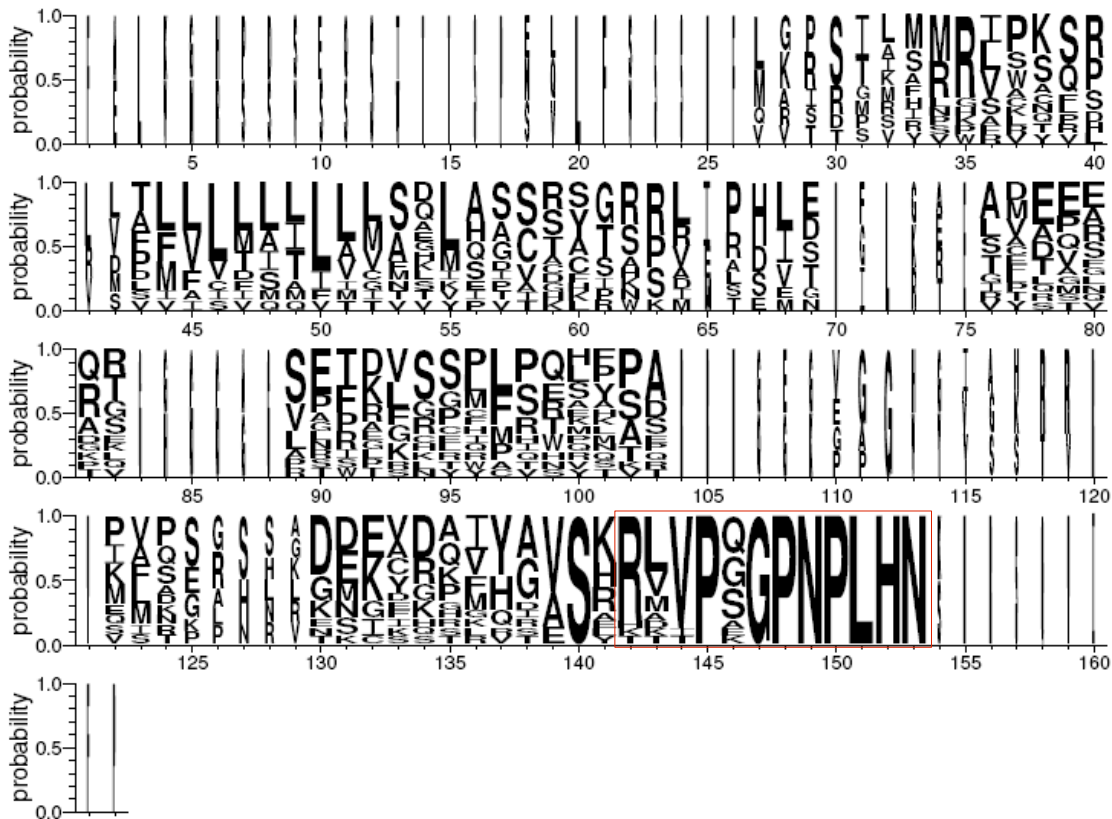
100	110	120	130	140	150	160	170	180	190	200	210
MASFQAPK	ATV	SF	TGQRREEE	NRDEVYK				DDKRLVHTGPNPLHR			
SPPPPPPR	KAL	RYSTAPER	PL	SRDDIYG				DDKRVVHTGPNPLHR			
NGSYEEEE	QVL	KY	DSMGTI	ANSSAL				DSKRVIPTGPNPLHR			
SLYYKHHH	KVVTIEMSNFNKVRRR	SSRFRRKT	DGDEEE					EKKRSIPTGPNPLHR			
SGNLDPKL	HDL	DSN	AASSRSKYTNYEGGEDVEE					DGKRRTVETGPNPLHR			
SFTFHPPR	KAL	SLDTA	SF	HAPSSLSQFTVNEDDPDTIYE				DDMRVHTGPNPLHR			
MSKFSPNF	QAK	GG	SRQNSGEE	GNEDVLG				DEKRTYTGPNPLHR			
EKFKPSN	NEH	GAGLQGAN	AQK	DGDQVFG				ADKRRVYTGPNPLHR			
RALFQRST	TTT	ST	TQTK	LV	VSSKNQDA	DHDP	HTTLYG	DEKRIHTGPNPLHR			
PASAAAVA	SSL	QQ	PVH	RA	VAKAKGG	GRSTAED	AGGGVPCKEKSGHGGAPSPCSDDDDKRVVPTGPNPLHR	RKNC	PHQLFLHG	VFVSI	PQVEDSAVHHV
VGDLRPCR	RLI	IG	HHQHQ	VV	LAKGSMEL	KHAE	EGGDVLD	EKKREVLGPNPLHR			
RSADFVVV	AGL	VGIGL	GHR	MRP	GGDLVD			DEKRRVPTGPNPLHR			
TGSVHASP	NQDQ	PVNIDGG	DPDAVE					DDKRTIHTGPNPLHR			
SSHVSSSS	LE	AV	NKSISNSI	KNKNTL				DEMRRVPTGPNPLHR			
TAQLTGPV	KSH	GGGLR	DR	DE	EGDAILG			DEKRRVYTGPNPLHR			
SSELRNRP	AMS	HS	VGGLKRNA	NK	DGNEIFG			ADKRRVYTGPNPLHR			
NGLYEEEEAKIL	LG	DSKETI	TNSTAL					ESKRLIPTGPNPLHR			



Group11

16 member

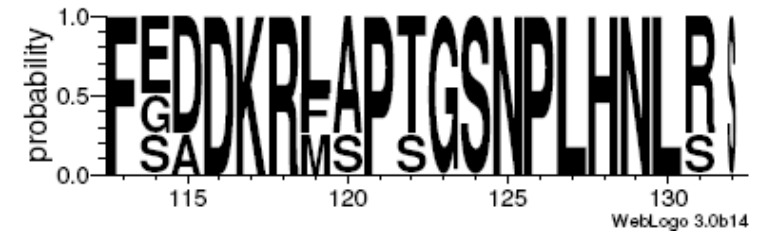
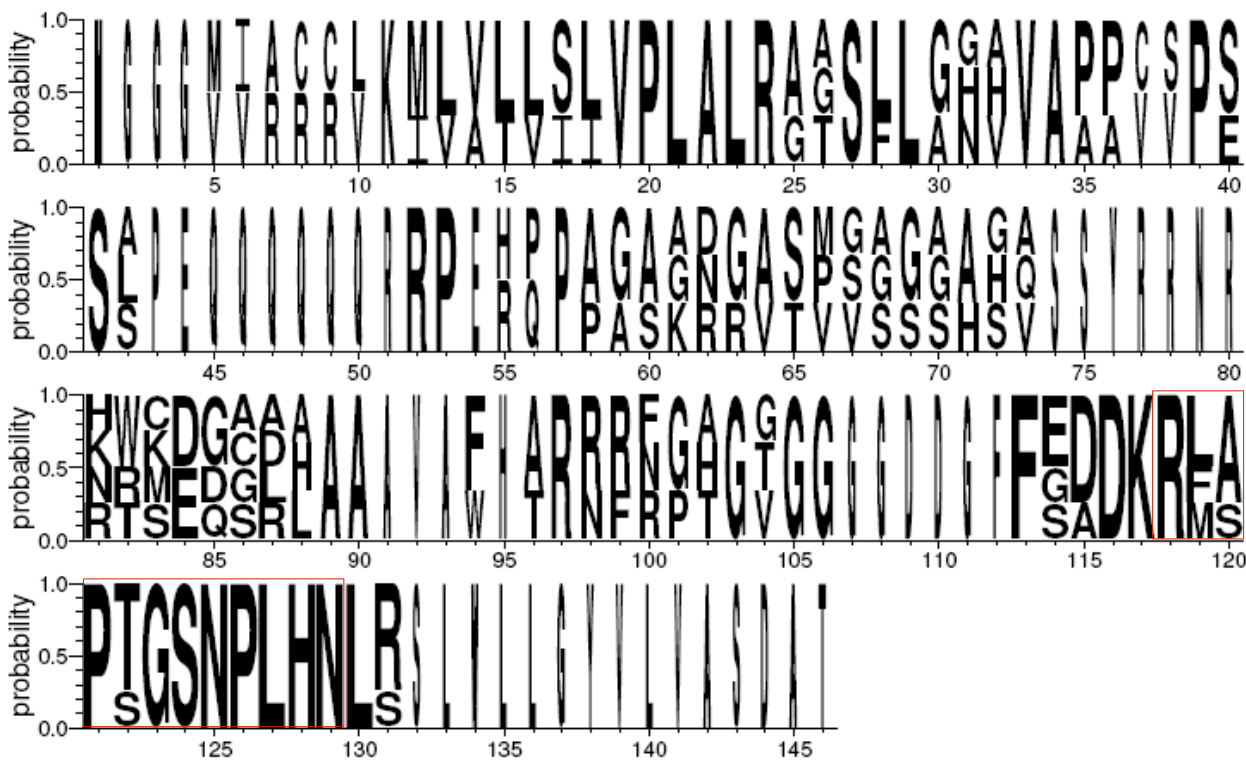
LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160
CLE14_Arabidops	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE15_Oryza sat	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE37_Medicago	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE57_Glycine m	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE58_Glycine m	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE63_Glycine m	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE92_Oryza sat	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE103_Oryza sa	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE105_Oryza sa	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE128_Populus	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE129_Populus	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE130_Populus	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE151_Zea mays	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE157_Zea mays	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE159_Zea mays	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CLE170_Physcomi	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160



Group12

4 members

LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130	140
CLE29 Tritium a	MGGGVVRCCKILALLSLVPLALRAGSFLGHVVRPP	PSSA	----	RP	----	AAAARRASVVAGSAHV	----	KTSEGAALAA	----	ARNRNGAGVGG	----	FGDDKRMAPSGSNPLHNL	----	
CLE82 Oryza sat	---MIARRLKMLVLVSLVPLALRATSLLAGHVAPPSPESL	----	----	RPEHQ	PAGAGD	GVTMGGGGASASSYRRNRRRRMEGLAAAVAFHARRFRPHGGG	----	----	----	----	----	FEADKRLAPTGSNPLHNL	----	
CLE89 Oryza sat	-----MVTLIIVPLALRGASLLGNAVAAVVPS	SPEQQQQQRRP	----	----	----	RPPPGSKNGASPSSAHGQ	----	----	----	----	----	----	----	----
CLE161 Zea mays	-----	----	----	----	----	----	----	----	----	----	----	----	----	----
LADDER	10	20	30	40	50	60	70	80	90	100	110	120	130	140



Group13

6 members

LADDER	10	20	30	40	50	60	70	80	90	100
CLE20_Arabidops	-----MKNKMMNPSRPRLCLIVFELVIVLSKASR-DIVERR--RFSSK-PSGENREFL-PSQPTFPV--VDAGEILPDKRKVKTGSNPLHNKR--									
CLE23_Glycine m	-----TNKTNMKHFLFLFLALLEL-----TPR-VHAIIRI--KFSGP-STSSHQDFH-PWANS--PIRSSREREFMSKRRVPTGSNPLHNKR--									
CLE33_Lycopersi	-----FFFFIILET-----SPR-GVIVHLQPARFSGPSPRKESVIFQ-PLPTS-----FKFENRRVPTGSNPLHNKR--									
CLE70_Medicago	-----MKHFEHFLLSLLEL-----TPR-VYAIRI--KFSSPSSTSSHAFHIPPFS--PSR-SKGKEFKSOKRRVPTGSNPLHNKR--									
CLE138_Populus	-----MKLEHFLLLALLIF--FSSTPRSSHAARR--SFSAP--STSQQVRSPPFRAS--PFA-ERAKEFESOKRRVPTGSNPLHNKR--									
CLE174_Solanum	IKIIPYLIFQYSQKINILKKV--MNIHFIFFFLLIIT--TSSR-IQALRQLPEQVSGMPAARKSQVFH-PIVIA-----PAAQDFESEKRRIPTGTNPLHNKR--									
LADDER	10 20 30 40 50 60 70 80 90 100									

