

Supporting Figure S11

A

ScRp114	1-MSTDSIVKASNWRLVEVGRVVLIIKKGQSAGKLAAIVEIIDQKKVLIDGPK
SsL14	1-MP-----AIEVGRICVKVKGREAGSKCVIVDIIIDNDFVLVTGPK
MjL14	1-MP-----AIEVGRVCIKTAGREAGKVCVIVDILDKNFVIVDGL-
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ScRp114	51---AGVPRQAINLGQVVLTPITFALPRGARTATVSKKWAAAGVCEKWAASS
SsL14	40-DITGVKRRRVNIIHLLEPTDKKIDIQKGASDEEVKKKLEESNLTEYMKEKI
MjL14	39-----VKRRRCNIKHLEPTEKKVDIPKGASTEEVKLALDAAGLLKEE-----80
	* *: *: *: * .. : :** *. : : :
	eukaryote-specific C-terminal α -helices
ScRp114	99-WAKKIAQRERRAALTDFERFQVMVLRKQKRYTVKKALAKA-138
SsL14	90-KIRMPITL-96
MjL14	

B

ScRp116b	1-MSQ---PVVVIDAKDHLGLRLASTIAKQVLNGQKIVVVRAEALNISGEF
SsL13	1-MSTQVQEQVVIINAEGQILGRMASNVVRLKEGKQVIIVNGEKAVISGEK
MjL13	1-M-----TVIDAEGAILGLRLASEVAKRVLRGEEIVIVNAEMVVITGNK
HmL13	1-MSVAEFDADVVDARDCIMGRVASQVAEQALDGETVAVVNAERAVITGRE
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ScRp116b	47-FRNKLKYHDFLRKATAFNK-TRGPFHFRAPSRILYKAIRGMVSHKTARGK
SsL13	51-NRVIESYKLLITVKTFLNPNYRNGIRRPSPINIVKRTIRGMLP-KSSKGR
MjL13	43-DWIKTYQEEREKKNVANPRRFGPKFPRRPDDILRRTIRKMLPYKKPKGR
HmL13	51-EQIVEKYEKRVD---IGN--DNGYFYPKRPDGFIRKRTIRGMLPHKKQGR
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ScRp116b	96-AALERLKIIFEGIPPPYDKKRVVVPQALRVLRLLKPGRKYTTLGKLSTSVG
SsL13	100-RMLKNVKIYVGVPKEFEGRQFIKFPDS-DVSRLK--GKYVTEVVSKELG
MjL13	93-EAFKRVKVYVGNPKNLTV-----DEK-ISHKLN-TTKYITLAEISKHLG
HmL13	96-EAFESVRVYLGPNPYDEGE--VL-DGT-SLDRLS-NIKFVTLGEISETLG
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	eukaryote-specific C-terminal α -helix
ScRp116b	146-WKYEDVVAKLEDKRVRSAEYYAKKRAFTKKVSSASAAAASESDVAKQLASFGY-198
SsL13	147-WSG-----149
MjL13	135-AKF-----137
HmL13	141-ANKTW-----145