


```

201
Mtri_Halphi . . . .FISRDA VECSVNLQLV GEACFTNPLI VAVTEWASAN GDEITPTVFL
MstM_Halphi . . . .FISGDA VECSVNLQLV GEACFTNPLI VAVTEWASAN GDEITPTVFL
Mcap_Halphi . . . .FISGDA VECSLNLQLV GEACFTNPLI VAVTEWAAAN GDEITPTVFL
AMO_AmoC EFQHFNTGDP LDVIIDLNI V AETAFTNILL V ATPQVAVAN GDNAMASVFL
T2M_TbmD . . . .CTA.GP FEFLTAVSFS FEYVLTNLLF VPFMSGAPHN GDMSTVTFGF
PH_P3 . . . .RTA.GP FEFLTAVSFS FEYVLTNLLF VPFMSGAAYN GDMATVTFGF
T3M_TbuA1 . . . .FMSRSA IDIAIMLTFA FETGFTNMQF LGLAADAAEA GDFTFASLIS
T4M_TmoA . . . .ITGRDA ISVAIMLTFS FETGFTNMQF LGLAADAAEA GDYTFANLIS
AMO_XamoA . . . .MLNADC VEAAALATSLT LEHGFTNIQF VALASDAMEA GDVNFNSLLS
Mcap # 209 214 224 229
Mcap Helix -----] [-----HELIX E-----] [-----]

251
Mtri_Halphi SVETDELRRH ANGYQTV.VS IANDPASAKF LNTDLNNAFW TQOKYFTPVL
MstM_Halphi SVETDELRRH ANGYQTV.VS IANDPAAAKY LNTDLNNAFW TQOKYFTPAL
Mcap_Halphi SIETDELRRH ANGYQTV.VS IANDPASAKY LNTDLNNAFW TQOKYFTPVL
AMO_AmoC SIQSDEARHM ANGYGSV.MA LLENEDNLPL LNQSLDRHFW RAHKALDNAV
T2M_TbmD SAQSDESRRH TLGIECIKFM LEQDPDNVPI VQRWTDKWWF RGYRLLTIV.
PH_P3 SAQSDEARHM TLGLEVIKFM LEQHEDNVPI IQRWIDKWWF RGYRLTLI.
T3M_TbuA1 SIQTDESRRH QIGGPALQIL IASGRKEQA. .QKLVDAIA RAWRLFSLLT
T4M_TmoA SIQTDESRRH QQGGPALQLL IENKREEA. .QKKVDMAIW RAWRLFVLT
AMO_XamoA SIQTDEARHA QLGFPPLDVM MKHDPK.RA. .QQILDVAFW RSYRIFQAVT
Mcap # 238 242 246 250
Mcap Helix HELIX F-----] [-----HELIX G

301
Mtri_Halphi GYLFEYGSKF ..KVEPWVKT WNRWVSEDWG GIWIGRLGKY GVESPRSLRD
MstM_Halphi GYLFEYGSKF ..KVEPWVKT WNRWVYEDWG GIWIGRLGKY GVESPRVLRD
Mcap_Halphi GMLFEYGSKF ..KVEPWVKT WNRWVYEDWG GIWIGRLGKY GVESPRSLKD
AMO_AmoC GWCSEYGARK ..RPWSYKAQ WEEWVDDFV GGYIDRLSEF GVQAPACLGA
T2M_TbmD AMMQDYM..L PKRVMSWKEA WE.MYAEGNG GALFKDLARY GIREPAGWKD
PH_P3 GMMMDYM..L PNKVMWSEA WG.VYFEQAG GALFKDLERY GIRPPKYVEQ
T3M_TbuA1 GTSMDYATPL HHRKESFKE. ...FMTEWIV GQFERTLIDL GLDLPWYWDQ
T4M_TmoA GPVMDYYPPL EDRSQSFKE. ...FMYEWII GQFERSLIDL GLDKPWWYDL
AMO_XamoA GVSMDYYPV AKRQMSFKE. ...FMLEWIV KHHERILRDY GLQKPWWYWD
Mcap # 292 321 325 329
Mcap Helix -----] [-----HELIX H-----]

351
Mtri_Halphi AKRDAYWAHH DLALAAAYMW PLAFARLALP .DEEDQAWFE ANYPG.WADH
MstM_Halphi AKTDAYWAHH DLALAAAYALW PLAFARLALP .DEEDQEWFE ANYPG.WADH
Mcap_Halphi AKQDAYWAHH DLYLLAYALW PTGFFRLALP .DQEEMEWFE ANYPG.WYDH
AMO_AmoC AAEVKWSSH TLGQVLSAVW PLNFWRSDAM .GPADFEWFE NHYPG.WSAA
T2M_TbmD ACEGKDHISH QAWATFYNYG RGRR.STRGS .EREEMQWLS EKYPESFDL
PH_P3 TTIGKEHITH QVWGALYQYS KATSFHTWIP .GDEELNMLS EKYPDTFDKY
T3M_TbuA1 MINEFDYQHH AYQMGIFWFR PTIWWNPAAG ITPDCRDWLE EKYPG.WNDT
T4M_TmoA FLKDIDELHH SYHMGVLDWR TTAWWNPAAG VTPPEERDWLE EKYPG.WNKR
AMO_XamoA FEKTLDHGHH ALHIGTWFWR PTLFWDPNGG VSREERRWLN QKYPN.WEES
Mcap # 344 371 377

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Figure 1-10

	401				450
Mtri_Halphi	YGKIFNEWKK	LGIEDPKSGF	IPYQWLLANG	HDVYIDRVSQ	VPFI.PSLAK
MstM_Halphi	YGKIYNEWKK	LGIEDPKSGF	IPYAWLLENG	HDVYIDRVSQ	VPFI.PSLAK
Mcap_Halphi	YGKIYEEWRA	RGCEDPSSGF	IPLMWFIEEN	HPIYIDRVSQ	VPFC.PSLAK
AMO_AmoC	YQGYWEGYKA	LA..DPAGGR	IMLQELPGLP	P...MCQVCQ	VPCVMPRLDM
T2M_TbmD	YRPAFEFWAR	R..AEGRRF	YN.....K	TLPMLCTTCQ	VPMFFTEPGD
PH_P3	YRPRFEFWRE	Q..QAKGERF	YN.....D	TLPHLQCVCQ	LPVIFTEPDD
T3M_TbuA1	FGKAWDVIID	NLLAGKPELT	VP.....E	TLPIVCNMSQ	LPIC.AVPGN
T4M_TmoA	WGRCWDVITE	NVLNDRMDLV	SP.....E	TLPSVCNMSQ	IPLV.GVPGD
AMO_XamoA	WGVLDWEIIS	NINAGNIEKT	LP.....E	TLPMLCNVTN	LPI..GSHWD
Mcap #					424

	451				500
Mtri_Halphi	GTG.SLRVHE	FNGKKHSLTD	DWGERQWLIE	PERYECH.NV	FEQYEGRELS
MstM_Halphi	GSG.SLRVHE	FNGKKHSLTD	DWGERMWLSE	PERYECH.NL	FEQYEGRELS
Mcap_Halphi	GAS.TLRVHE	YNGQMHTFSD	QWGERMWLAE	PERYECQ.NI	FEQYEGRELS
AMO_AmoC	NAA...RIIE	FEGQKIALCS	EPCQRIFTNW	PEAYRHRKQY	WARYHGWDLA
T2M_TbmD	ATKIAYRES	YFGNKYHFCS	DHCKHIFDDE	PEKYVQSWLP	VHQIYQ...G
PH_P3	PTKLSLRSLV	HEGERYQFCS	DGCCDIFKNE	PVKYIQAWLP	VHQIYQ...G
T3M_TbuA1	GWIVKDYPLD	YKGRTYHFNS	EIDRWVFQQD	PLRYRDHLLT	VDRFLA...G
T4M_TmoA	DWNIEVFSLE	HNGRLYHFNS	EVDRWVFQQD	PVQYQNHMNI	VDRFLA...G
AMO_XamoA	RFHLKPEQLV	YKGRLYTFDS	DVSKWIFELD	PERYAGHTNV	VDRFIG...G
Mcap #		443		461 464	

	501				550
Mtri_Halphi	EVIAEGHGVR	SDGKTLIAQP	HTRGDNLWTL	EDIKRAGCVF	PDPLAKF*..
MstM_Halphi	EVIAEGHGVR	SDGKTLIAQP	HVRGDNLWTL	EDIKRAGCVF	PDPLAKF*..
Mcap_Halphi	EVIAELHGLR	SDGKTLIAQP	HVRGDKLWTL	DDIKRLNCVF	KNPVKAFN*..
AMO_AmoC	DVIVDLGYIR	PDGKTLIGQP	LLEMERLWTI	DDIRALQYEV	KDPLQEA*..
T2M_TbmD	HCFPEGTDPT	AEGFDPLMAV	LKYYEMNIGR	DNFDFEGSED	QKNFAAWTGE
PH_P3	NC.....	.EGGDVETVV	QKYYHIKSGV	DNLEYLGSPE	HQRWLALKGQ
T3M_TbuA1	QIQP....PN	LMGALQYMNL	AP.GECGDDA	HHYAWVEAYR	NQRYQKAA*
T4M_TmoA	QIQP....MT	LEGALKYMGF	QSIEEMGKDA	HDFAWADKCK	PAM..KKA*
AMO_XamoA	QIQP....MT	IEGVLNWMGL	TP.EVMGKDV	FNYRWAGDYA	ENRIAAE*..
Mcap #		492			

	551	566
Mtri_Halphi	.....	.....
MstM_Halphi	.....	.....
Mcap_Halphi	.....	.....
AMO_AmoC	.....	.....
T2M_TbmD	TA*.....	.....
PH_P3	TPPTAAPADK	SLGAA*
T3M_TbuA1	.....	.....
T4M_TmoA	.....	.....
AMO_XamoA	.....	.....
Mcap #		

Figure 1-10