

OeCHI	DPIASVLANSSEGRSAFAKSAFDWIVKHHFDGIALGWCKPKDN-----ERANLVKVVK	173
B7P5Q8_IXOSC	KKYS-EMVSTTGRRHTFINSALKWVQTYGFDGFDLDWEYYPGAYDRGGAYS DKANFLLLVK	183
B7QIK8_IXOSC	KKYS-EMVSDKAKRKT FVKSAL EWLKYSFDGFDLDWEYYPGASDRQGKYS DKENFLELVK	174
A0A1Z5L6Y6_ORNMO	NYIG-RIASQQGTRETFVQNILDTLKEHHFDGLDIFWQFPGFTERGGTPADKENFVLLAK	170
B7P5R2_IXOSC	EAFS-YVARDPVRRCNFTKNLYKFLKDNDFDGVDIDWRFPASPDRAGQPEDKENYVQLLK	129
B7P5Q9_IXOSC	KVFS-DMVSKPERRTMFVKSALDWMRLRHGFDGLEI IWKYPGYEPRGGTSDDKDNFVQLLK	189
A0A224YVR0_RHIZA	EVFS-NMVS RPESRAAFVESAVRWMRDHEFDGLEI IWKYPGYEKRGKPRDKHN FVLLK	208
L7MD51_RHIPU	SVFS-RMVSRTVSRRRFVKS AVRWMRH YGFDGLDISWQYPGTMVRGGSHADKENFVLMK	218
A0A293LT14_ORNER	GSFT-LMVSSAHSRQKFVRSVL SWIDEY GFDGVDIDWQSPAVSERGGAPSDRRNYVLLVK	178
A0A2R5LB07_ORNTU	RSFS-PMVSSQATRQRFIRSLISWMDEYDFDGADMYWMPYPAVPERGGAPTDRENYVQLLK	158
V5ICA0_IXORI	GVFS-QMSSTPQNRQKFITSVLQWMKEYNLDGVDLAWPFP GVDYRGGGPQDKENYVQLAK	189
D0E0G4_RHISA	GVFS-QLVASADRRALFIESVLLWMKEYNLDGVDMAWRFP GVS YRGGSPRDKENYASLIR	205
A0A0A0QMB6_AMBAM	GVFS-AMAANSNRALFIESVLRWMKEYNLDGVDMAWFPFGVS YRGGSPRDKENYASLIR	211
	: * * . : **: : * *	:: * ::

OeCHI	EVRKELSKVNRKTYI LLEVPVDKKS LRTGYNVTELA-----RYVDYFHARTYSIRG SWVN	228
B7P5Q8_IXOSC	ELRSVFDQ--YKLLLTAAVPVAKFRLQEGYEVAELG-----ELLDWINVMTYDLRGNWAG	236
B7QIK8_IXOSC	ELRVAFDE--HKLLLTCAVPVAKFRLDEGYEVEQLAKQVEFELFDHIHVMSYDLRGNWAG	232
A0A1Z5L6Y6_ORNMO	EFREAARKQEDYLLTATIP LSPYI LDNGYDICRLS-----PYLDWMNAIAYELRGKWLN	225
B7P5R2_IXOSC	SFCS-LRK--KGLTVTATVPITPYLDAGYDIKEMA-----KYVDWFNVLGFDLRGRWTG	181
B7P5Q9_IXOSC	ELKAAFNP--HPLFLTAAVPEENYLEGDYDIPRLT-----RNVDWFNVLAYDLRGKWNR	242
A0A224YVR0_RHIZA	ELKEAFK--YPLYLTATVP LSGYDIANME-----RYVDWFNVLAYDLRGKWNR	261
L7MD51_RHIPU	DLKSEFQK--YDFMLSTTIPIDPMLLKTGFNVAAALS-----RYVDWFNVFTHDLRGWTG	271
A0A293LT14_ORNER	ELAAAFSN--RSLVLTITIPILPKYLDPGYDVAELS-----KYVAWFNVHTFDLRGRWNG	231
A0A2R5LB07_ORNTU	EISEVFRE--KLLLLTLEIPI LPKYLDPGYDVAEMS-----KYVDWFNVHTFDLRGRWNG	211
V5ICA0_IXORI	ELSKELRE--NGLMLTMEVPLSDEHNLNPGYDIDELA-----KYVDWFNVLAYDLRGKWNR	242
D0E0G4_RHISA	ELAGAFQG--KDLLLTVVVPVSDEFLDPGYNVAEIS-----KYVDWINAQAYDLRGAWNG	258
A0A0A0QMB6_AMBAM	ELAGAFEG--KGLLLTVVVP LPEEFLEAGYDIPEIS-----KHVDWINAQAYDLRGVWNG	264
	.. : **: * *::: : . :. . .*** *	

OeCHI	YTDVHSPLQKRPFEGNDLTD LNVKDGAQLLVKL GAPSQKILLGIPFFGTSYTLANATNHG	288
B7P5Q8_IXOSC	FTDVHSPLFRRSFDEWAYEKLNVHDGLQLWISLGAPREKLIVGVPPFYGRTYT LSDKANTG	296
B7QIK8_IXOSC	FADVHSPLFKRPFDDWAYEKLNVDDGLKLWVSRGAPKHKLIVGIPLYGRTYT LSGKENHG	292
A0A1Z5L6Y6_ORNMO	QTDIHSPTVPRSIDSQDYKELNVKYLGNRLFDRCALKRKVMLGIAFYGRVYTLDRSAGEHG	285
B7P5R2_IXOSC	IADVHSPLHARSFETGDVRNLNVERGLARLVELGAPKKKLVLGVPPFFGRSFVLQDSNKTQ	241
B7P5Q9_IXOSC	FTDMHSILYKRAADSKYFQELTIAEGMKRLVRMGAPKDKMLGIAFYGRTYVLRDPAKHG	302
A0A224YVR0_RHIZA	FTDVHSILYKRRNDPPYFQD L TIAQGMKRLVRMGAPKRKMLMGMGFYGRSYVLLDARDHG	321
L7MD51_RHIPU	YTDVHSPLRRRCFDRGQYAA LNAEDNLNVLKLGAPKKKLMLGIPFYGRSYTLDRPRHS	331
A0A293LT14_ORNER	YTDVHSPLYRSRIDVGE LKTLNVKDGLEKLVALGAPKSKLVVGIPFFGRQFTLLIPEQHE	291
A0A2R5LB07_ORNTU	YTDVHSPLYRSRIDVGEFKTLNVKDGMEKLVARGAPKKKLLMGIPFLGRQFTLLDEAQHG	271
V5ICA0_IXORI	YTDVHSPLFPRDIDVGDQQLNVKDGLENLVSRGAPKSKLVMGIPFFGRGFTLLDRSQHG	302
D0E0G4_RHISA	YTDVHTPLFPRSIDFGPQATLNVKDG LARIVSLGAPKSKVVMGIAFFGRGFTLLDPQQHG	318
A0A0A0QMB6_AMBAM	YTDVHTPLYRSRIDIGPQKTLNVKDG LARIVSSGAPKSKVVMGIAFFGRGFTLLDPAQHG	324
	:*: : * : * . * *::: : * : *	

OeCHI	LQAALRDKSPSGRPGQYTNHTGILAYFEICKAIAEHNLTRQWDATGLCPYAYSGDQWVG Y	348
B7P5Q8_IXOSC	LRAYINKEKMGGIPGYP TNATGFLAYYEICPHVHSGTWTKKFDEVGKCPYAYYDNQWIGY	356
B7QIK8_IXOSC	LRAPIVQWVDGGTPGEFTNATG FQAYFEVCKNVKENGWTRWDKDGRCPYAFKDNQWVG Y	352
A0A1Z5L6Y6_ORNMO	LHAPIDTKT-EPLPGPALNTSEIYSYTEICQLLQMKNWTRNFDPEGKCPYAYSGDQWVG Y	344
B7P5R2_IXOSC	VGAPIK-DA-PAVPGPF IGSTEIMAYYEICTNIVDEIATREFDKEAMCPIYIH YDQWIGY	299
B7P5Q9_IXOSC	VKARIKHDQ-PAEAGPYVRSHDLMGYNEICPNIKSGLWTRQFDQEA KCPYAYHGNQWVG Y	361
A0A224YVR0_RHIZA	VKARIKFDE-QAEAGPYVKSTELKAYYEICMDLKKGGWTRFDDVAKCPYAYKGDQWIGY	380
L7MD51_RHIPU	LAAPTRRDV-HAVPGPYVMSDEILAYEVCMDITMLSWRREYDEIGQCPYAYRGDQWVG Y	390
A0A293LT14_ORNER	LHAIINPEA-TPSAGPFVRS TEILGYYEICLLLR-ASWIREFDNEGKCPYAYRRNMWVG Y	349
A0A2R5LB07_ORNTU	LHAVINPSV-TPNEGAFVRSSEVMGYEICLLLR-SSWIREFDTEGKCPYAYQKNMWVG Y	329
V5ICA0_IXORI	LHAIINGNI-PPNPGPFVKSSDVYSYFEICLFLK-SGWTRFDDQ GKAPYAYYNNQWIGY	360
D0E0G4_RHISA	LHALINREV-PPHAGPFVRSNEIFAYYEICLNLK-GNWKREFDDEGKCPYVYYRDQWIGY	376
A0A0A0QMB6_AMBAM	LHALVNRDV-PPRPGPFVRSNEVFAYYEICLNLK-GNWKREFDEEGKCPYVYYRDQWIGY	382
	: * * . * * * : : : * . . * * : * : *	

OeCHI	EDEESIYHKARLIETENYGGAVVYTI DLD DFFVGRCGRKHNL LKTVQSSL PANVTVHVPV	408
B7P5Q8_IXOSC	EDEESITIKMDYIRGQGYGAMIWAIDMDDFQGVCGKKNVLISAIHDKLKDYVVP TPESD	416
B7QIK8_IXOSC	EDEESVAIKVYWK RNS-YRLTMR-----	374
A0A1Z5L6Y6_ORNMO	EDEESIQYKMDLMRDEGYAGVMVMSADMDDIRGLCGKNNILLETINDNLPKERQPIYPWT	404
B7P5R2_IXOSC	EDEESVGAKMDFI IKEYGAGVMVYNNDMDDFNGVCGKTHPLLKT IYEKLAELPER-RRR-	357
B7P5Q9_IXOSC	EDEESVANKMDFIIGQGYRGVMVFNNDDDFRGVCGPKNPLMKVIFNKVGEKELR-ALNI	420
A0A224YVR0_RHIZA	EDEESVGKMDFILREGYAGVMVFNNDDDFRGLCGPKNPLMKVIFNKVQKALL-ELKN	439
L7MD51_RHIPU	EDEESISAKVDFVLEQDYGVMVFNNIDMDDFNGVCGKVNPLNLSVCRKFNEGRL-IDPRI	449
A0A293LT14_ORNER	DDVDSIDYKTSFVTDEGYG G VHAFNVDDDFRGICGTTNPLKAINARLRPDQNAVE---	406
A0A2R5LB07_ORNTU	DDVDSIDYKTMFLIEAGYGMHVFNVDDDFRGICGATNPLKAINARLRPSQNYVK---	386
V5ICA0_IXORI	EDTESIKHKMNFLLREGYAGVYVFNNDDDFRGLCGEPNILLKTI RNSLNQDKNDIAETL	420
D0E0G4_RHISA	DDAESIQHKVDFLLQEGYRGVYVFNNDDDFRGFCGEPNILLKTIKNGLTEKNE-LDARV	435
A0A0A0QMB6_AMBAM	DDAVSIRHKINFLQEGYRGVYVFNNDDDFRGFCGETNILLKTIKEGLNGNKNEITASP	442
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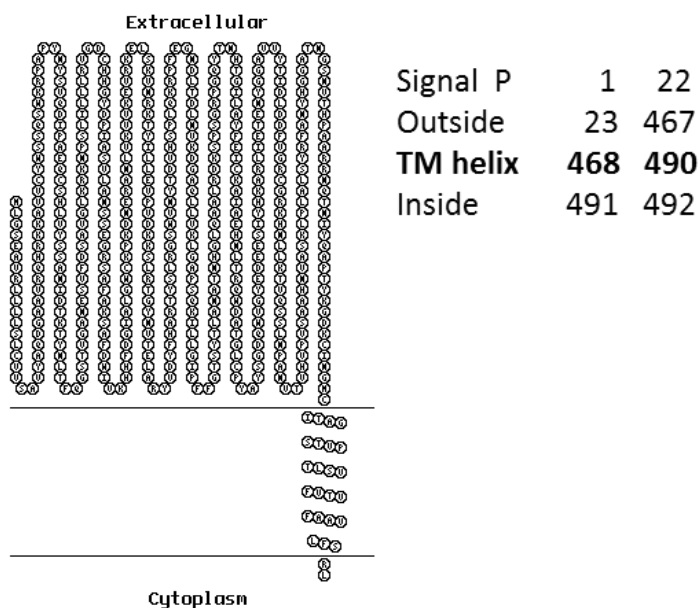
OeCHI	SAAHNVASKLPLALS YRFANYHGGATNGSNV-THPAARRNQT--NIYQAPTYKGDKCIN-	464
B7P5Q8_IXOSC	S-TAS-----PKTGPDDGGNTTPEPTTPIPETTTPLSVTKSYPRD-CDSP	459
B7QIK8_IXOSC	-----	374
A0A1Z5L6Y6_ORNMO	S-----	405
B7P5R2_IXOSC	-----	357
B7P5Q9_IXOSC	NPT-----	423
A0A224YVR0_RHIZA	RTGSQ-----QPEGTTTRGNVLV-----	457
L7MD51_RHIPU	G-----	450
A0A293LT14_ORNER	-----	406
A0A2R5LB07_ORNTU	-----	386
V5ICA0_IXORI	-----	420
D0E0G4_RHISA	NEKV-----	439
A0A0A0QMB6_AMBAM	A-----	443

OeCHI	GMCITAGSTVPTLSVFEVTFEA--AVLFSRL-----	492
B7P5Q8_IXOSC	NISFIPHE-NDCTKYYWCVYGTPMVMFCEGGTVWNQDNGNCDWPERVPRPECKHVTRKPK	518
B7QIK8_IXOSC	-----	374
A0A1Z5L6Y6_ORNMO	-----	405
B7P5R2_IXOSC	-----	357
B7P5Q9_IXOSC	-----	423
A0A224YVR0_RHIZA	-----	457
L7MD51_RHIPU	-----	450
A0A293LT14_ORNER	-----	406
A0A2R5LB07_ORNTU	-----	386
V5ICA0_IXORI	-----	420
D0E0G4_RHISA	-----	439
A0A0A0QMB6_AMBAM	-----	443

OeCHI	-----	492	% Identity	-
B7P5Q8_IXOSC	GPQRLESS	526	38.61	
B7QIK8_IXOSC	-----	374	41.09	
A0A1Z5L6Y6_ORNMO	-----	405	37.50	
B7P5R2_IXOSC	-----	357	35.41	
B7P5Q9_IXOSC	-----	423	36.50	
A0A224YVR0_RHIZA	-----	457	37.00	
L7MD51_RHIPU	-----	450	38.04	
A0A293LT14_ORNER	-----	406	37.10	
A0A2R5LB07_ORNTU	-----	386	36.00	
V5ICA0_IXORI	-----	420	37.30	
D0E0G4_RHISA	-----	439	36.27	
A0A0A0QMB6_AMBAM	-----	443	35.37	

b

OeCHI



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