

ref|XP_031018491.1[Fusarium_coffeatum]
 gb|RFN53699.1[Fusarium_fasciculatum]
 ref|XP_009263533.1[Fusarium_pseudograminearum_CS3096]
 ref|XP_011321453.1[Fusarium_graminearum_PH-1]
 gb|RGP67399.1[Fusarium_sporotrichioides]
 gb|KPA41204.1[Fusarium_langsethiae]
 ref|XP_025586523.1[Fusarium_venenatum]
 gb|OBS2510.1[Fusarium_poea]
 gb|RGP80188.1[Fusarium_longipes]
 gb|KIL86774.1[Fusarium_avenaceum]
 gb|KAF4472684.1[Fusarium_albosuccineum]
 gb|RSL96303.1[Fusarium_sp._AF-4]
 gb|RSL85786.1[Fusarium_floridanum]
 gb|RMJ12565.1[Fusarium_kuroshium]
 gb|RTE77098.1[Fusarium_euwallaceae]
 gb|RSL54744.1[Fusarium_sp._AF-6]
 gb|RSL65183.1[Fusarium_sp._AF-8]
 gb|RSM12706.1[Fusarium_ambrosium]
 gb|KPM40332.1[Neonectria_ditissima]
 gb|KFA75604.1[Stachybotrys_chartarum_IBT_40288]
 gb|KFA61711.1[Stachybotrys_chlorhalonata_IBT_40285]
 gb|KAF4125402.1[Geosmithia_morbida]
 ref|XP_006670883.1[Cordyceps_militaris_CM01]
 gb|KOS22654.1[Escovopsis_weberi]
 gb|PNY23494.1[Tolyphocladium_capitatum]
 gb|KND91653.1[Tolyphocladium_ophioglossoides_CBS_100239]
 gb|RCI09024.1[Ophiocordyceps_polyrhachis-furcata_BCC_54312]
 Consensus

 gb|RBQ69419.1[Fusarium_verticillioides]
 gb|PNP03566.1[Fusarium_nygamai]
 ref|XP_023435652.1[Fusarium_fujikuroi_IMI_58289]
 emb|CVL04491.1[Fusarium_mangiferae]
 gb|KAF4498526.1[Fusarium_agapanthi]
 gb|RKL34945.1[Fusarium_proliferatum]
 gb|KAF4438339.1[Fusarium_acutatum]
 gb|TVY65267.1[Fusarium_oxysporum_f._sp._cubense]
 gb|EGU88594.1[Fusarium_oxysporum_Fo5176]
 gb|EWZ96340.1[Fusarium_oxysporum_f._sp._lycopersici_MN25]
 gb|EWZ35664.1[Fusarium_oxysporum_Fo47]
 ref|XP_018249666.1|FOXG_11456 [Fusarium_oxysporum_f._sp._lycope]
 ref|XP_031034128.1[Fusarium_oxysporum_NRRL_32931]
 gb|EXK30193.1[Fusarium_oxysporum_f._sp._melonis_26406]
 gb|KAF4438339.1[Fusarium_acutatum]

 LPTLNKGKKHSS...GSGFKPFQGGK...KAKRATLEDIASTGNIGVEGSIGCNCMMTVDSDVADKYTTTTEFDHSEDKQOACWIKIGPLGL..IDGFFAKNI
 LPKLNKGKKHSS...GSGFKPFQAGK..KAKRATLEDIASTGNIGVEGSIGCNCMMTVDSDVADKYTTTTEFDHSEDKQOACWIKIGPLGK..IDGFFAKNI
 VPKLNKGKKHSS...GSGFKPFQAGK..KAKRAILEDIAATGNIGVPGDYGNCNCMMTVDSDVADKYTTTTEFDHSEDKQOACWIKIGPLGK..IDGFFAKNI
 VPKLNKGKKHSS...GSGYKPFQGGK..KAKRATLEDIAATGNIGVPGDYGNCNCMMTVDSDVADKYTTTTEFDHSEDKQOACWIKIGPLGK..IDGFFAKNI
 VPKLNKGKKHSS...GSGYKPFQGGK..KAKRATLEDIASTGNIGVAGDYGNCNCMMTVDSSVADKYTTTTEFDHSEDKQOACWIKIGPLGK..IDGFFAKNI
 VPKLNKGKKHGS...GSGFKPFQGGK..KAKRATLEDIASTGNIGVAGDYGNCNCMMTVDSSVADKYTTTTEFDHSEDKQOACWIKIGPLGK..IDGFFAKNI
 VPKLNKGKKHSS...GSGFKPFQSGK..KAKRATLEDIAATGNIGVPGDYGNCNCMMTVDSSVADKYTTTTEFDHSEDKQOACWIKIGPLGK..IDGFFAKNI
 IPKLNKGKKHSS...GSGFKPFQGGK..KAKRATLEDIAATGNIGVAGDYGNCNCMMTVDSSVADKYTTTTEFDHSEDKQOACWIKIGPLGK..IDGFFAKNI
 VPKLNKGKKHSS...GSGFKPFQGGK..KAKRATLEDIAATGNIGTASDYGNCNCMMTVDSDVADKYTTTTEFDHSEDKTOACWIKIGPKGL..IDGFFAQNI
 SGKTNKGKKHSS...GSGYKPFQGGK..KTKRAILEDIAATGNIGVEGDYGCNCMMTIDSNVASKYDVTTEENAHDTKEIOCWIKIGPLGK..IDGFFKKWA
 SS.....GSSSGSGSGYKEFQGGK..KSKRATAEEIAYEONGTTEDEFGCNCMMTVDSSVADKYKTTATEFKNAGSEEQEVOVCFKIGPDGL..INGFWSGNE
 SS...AAADSDSDDSSSGYKEFQGGK..NAKRATVEQIAYKGNIGTSDDYGCNCIMAVDSSVADKYKTTTEFKNANSKAQEVOVCFKIGPDGG..INGFWKGNQ
 SS...AAADSDSDDSSSGYKEFQGGK..NAKRATVEQIAYKGNIGTSDDYGCNCIMAVDSSVADKYKTTTEFKNANSKAQEVOVCFKIGPDGG..INGFWKGNQ
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 S....AAADSDSDDSSSGYKEFQGGK..NAKRATVEQIAYKGNIGTSDDYGCNCIMAVDSSVADKYKTTTEFKNANSKAQEVOVCFKIGPDGG..INGFWKGNQ
 SSAADSGSDSGSDSGAGYKEFQGGK..NKKRATVEQIAYKGNIGTSDDYGCNCIMAVDSSVADKYKTTTEFKNANSKAQEVOVCFKIGPDGG..INGFWKGNQ
 SS...AAADSDSDDSSSGYKEFQGGK..NAKRATVEQIAYKGNIGTSDDYGCNCIMAVDSSVADKYKTTTEFKNANSKAQEVOVCFKIGPDGG..INGFWKGNQ
 AS...SDDDEETSTGKVYEVCGS..TAKRATAEEIAYGNTGTSNDYGCNCIMTVSEDIASQYKTTATEFKNAVSEDQSOVCFKIGPDGG..INGFWKGNQ
 TSS...DDDSSSGSGTVKPFQGG..NYKRATAAEIAYGNTGAPGNYGCNCNLIVENDVADEYKTTTEFKNSGEDQSOVCFKIGPEGL..INGFFEGNQ
 DTASNNDSSGSGSGTVKPFQGG..NYKRATAAEIAYGNTGAPGNYGCNCNLIVENDVADEYKTTTEFKNSGEDQSOVCFKIGPEGL..INGFFEGNQ
 STSAASSSGGSQGGISAYTDFCGS..NSKRATAAQIAYKGNIGTSDDYGCNCMLAQSSVAAEYDHVIILENASIDEQQOVCFKIGSTGG..INGFFGTGNE
 SVASVAPASPSADAGSGYKPFQNG..NKKRATLAQIAYSGNTGAPGNYGCNCIMEVSASAASSYDYMKEVAGSSAQAOVCFKIGPDGG..INGFFKNNQ
 AYSSPAAGGGQGVGVTYTTFQGG..RSKRATAAVQIAYKGNVGGPGQYGCNCIMPVSTSIAGQYQSVTETFKGGADQVOVCFKIGADGG..INGFFKGNE
 PQASQPSGSG..TGASVYTPFQGGK..PSKRATAAEISYKGNVGTGPNYGCNCMLIQSGIADKYDYTATETFKAGSQDQAOVCFKIGADNG..INGFFKGQ
 PPASSPSGSGSGTGFPSLYTPFQGGK..SNKRATAAEIAYGNTGAPGNYGCNCMLIQTSIVNKYDYTETVTESNAGSQDQKQOACWIKIGPDNG..INGFFGNGQ
 IGPDSYEDFCGGAPPSSWKPVCPAGGKWKRATAADVALSGNIGLKDNYIGCNLKLVKSNYAEKYDYTETFKAGSQDQKQOACWIKIGPDGCGINGFWKGKE
 C krat gn g gcn Y n cc kig i gf

gb KAF4341103.1[Fusarium_beomiriforme]	AL1FTVPAKSSQVVAFLDLSQGGCAACADEVEVII.....	LNGWAGIWLLEDFGSKRNNNWSGADASCLVAAAKN...MLIPLGLQVCGH...SN	275
gb KAF4454679.1[Fusarium_austroafricanum]	AL1FTVPAKSSQVVAFLDANSQGGCAGGTDEVEVIS.....	IDLAYGATWLEDFGSKRKNWSGADASCLVSAKEK...LDIPLGLRVCVGH...G	275
ref XP_031018491.1[Fusarium_coffeatum]	PLHFITVSGKSSQVVAFLDQGGCACASKEVPTIA.....	MGLVAGTTLWLEDFGSKERNGGWSGADASCLVSAKEN...LDIPLGLRVCVGH...G	266
gb RFN53699.1[Fusarium_fasciculatum]	PLHFITVPGKSSQVVAFLDQGGCACASKEVPTIA.....	MGLVAGIWLLEDFGSKERNGGWSGADASCLVSAKEN...LDIPLGLRVCVGH...G	266

	PMHFTVGA	KSSQVVA	FEDS	QGGCAG	SSKEVPTI	V.	NGLVAGT	WLEDF	FSGSERNG	WSGADAS	CIVSAKE	K...	LDIPGLR	VGHN...	
ref XP_009263533.1[Fusarium_pseudograminearum_CS3096]	PMHFTVGA	KSSQVVA	FEDS	QGGCAG	SSKEVPTI	V.	NGLVAGT	WLEDF	FSGSERNG	WSGADAS	CIVSAKE	K...	LDIPGLR	VGHN...	
ref XP_011321453.1[Fusarium_graminearum_PH-1]	PMHFTVGA	KSSQVVA	FEDS	QGGCAG	SSKEVPTI	I.	NGLVAGT	WLEDF	FSGSERNG	WSGADAS	CIVSAKE	K...	LDIPGLR	VGHN...	
gb RGP67399.1[Fusarium_sporotrichioides]	PMHFTVGA	KSSQVVA	FEDS	QGGCAG	CASKEVPTI	I.	NGLVAGT	WLEDF	FSGSERNG	WSGADAS	CIVSAKE	K...	LDIPGLR	VGHN...	
gb KPA41204.1[Fusarium_langsethiae]	PMHFTVGA	KSSQVVA	FEDS	QGGCAG	CASKEVPTI	I.	NGLVAGT	WLEDF	FSGSERNG	WSGADAS	CIVSAKE	K...	LDIPGLR	VGHN...	
ref XP_025586523.1[Fusarium_venenatum]	PMHFTVGA	KSSQVVA	FEDS	QGGCAG	CSSKEVPTI	I.	NGLVAGT	WLEDF	FSGSERNG	WSGADAS	CIVSAKEQ	...	LDIPGLR	VGHN...	
gb OBS25510.1[Fusarium_poae]	PLHFTVSA	KSSQVVA	FEDS	QGGCAG	CSSKEVPTI	.	NGLVAGT	WLEDF	FSGSERNG	WSGADAS	CIVSAKE	...	LDIPGLR	VGHN...	
gb RGP80188.1[Fusarium_longipes]	PLHFDVPA	KSSQVVA	FEDS	QGGCAG	CSSKEVPTI	A.	MGLVAGT	WLEDF	FSGSERNG	WSGADAS	CIVSAKE	...	LDIPGLR	VGHN...	
gb KIL86774.1[Fusarium_avenaceum]	PLSFITVPA	KGSQVVA	FEDS	QGGCAG	ASGEVPSID	.	DILWAGT	WLEDF	FFGSTRNHG	WSGADAS	CIVSASKK	...	LDIPGLR	VGVD...	
gb KAF4472684.1[Fusarium_albosuccineum]	AIKESVAA	KGSQVVA	FEDENT	QGGCAG	GAGEVPLIA	.	IQQFAST	WLEDF	FGNVSNK	WKGADAS	CIVSAAEN	...	LDIPGLR	VGHG...	
gb RSL96303.1[Fusarium_sp._AF-4]	AITFTLPGKGS	SVIAF	DENS	QGGCAG	GVGEVPTIA	.	IQQFAST	WLEDF	FGNDSNKE	WSGADAS	CIVSAAES	...	LDIPGLR	VGHG...	
gb RSL85786.1[Fusarium_floridanum]	AITFTLPGKGS	SVIAF	DENS	QGGCAG	GVGEVPTIA	.	IQQFAST	WLEDF	FGNDSNKE	WSGADAS	CIVSAAEN	...	LDIPGLR	VGHG...	
gb RMJ12565.1[Fusarium_kuroshium]	AITFTLPGKGS	SVIAF	DENS	QGGCAG	GVGEVPTIA	.	IQQFAST	WLEDF	FGNDSNKE	WSGADAS	CIVSAAES	...	LDIPGLR	VGHG...	
gb RTE77098.1[Fusarium_euwallaceae]	AITFTLPGKGS	SVIAF	DENS	QGGCAG	GVGEVPTIA	.	IQQFAST	WLEDF	FGNDSNKE	WSGADAS	CIVSAAEN	...	LDIPGLR	VGHG...	
gb RSL54744.1[Fusarium_sp._AF-6]	AITFTLPGKGS	SVIAF	DENS	QGGCAG	GVGEVPTIA	.	IQQFAST	WLEDF	FGNDSNKE	WSGADAS	CIVSAAEN	...	LDIPGLR	VGHG...	
gb RSL65183.1[Fusarium_sp._AF-8]	AITFSLPGKGS	SVIAF	DENS	QGGCAG	GVGEVPTIA	.	IQQFAST	WLEDF	FGNDSNKE	WSGADAS	CIVSAAEN	...	LDIPGLR	VGHG...	
gb RSM12706.1[Fusarium_ambrosium]	AITFTLPGKGS	SVIAF	DENS	QGGCAG	GVGEVPTIA	.	IQQFAST	WLEDF	FGNDSNKE	WSGADAS	CIVSAAEN	...	LDIPGLR	VGHG...	
gb KPM40332.1[Neonectria_ditissima]	AISFDLPA	DGTKVVA	FEANS	QGGCAG	GVGEVATIL	.	IQQFAGT	WLEDF	FGNESNDW	SGADAS	CIVSAANS	...	LDIPALR	VGHG...	
gb KFA75604.1[Stachybotrys_chartarum_IBT_40288]	AVNFDP	PAGGKRV	LAADEN	SQGGCAG	GAGGVPLTS	.	HGGFAST	WLEDF	FGNTSNDW	SGADAS	CIVSAAAYG	...	LDIPGLR	VGHG...	
gb KFA61711.1[Stachybotrys_chlorohalonata_IBT_40285]	AVNFDP	PAGGKRV	LAADEN	SQGGCAG	GAGGVPLTS	.	HGGFAST	WLEDF	FGNTSNDW	SGADAS	CIVSAAEN	...	LDIPGLR	VGHG...	
gb KAF4125402.1[Geosmithia_morbida]	ALNFKLA	AGETQHV	VDSN	SQGGCAG	GAGEVTLIA	.	FCEEFA	DTWLEDF	FGMANESNDW	SGADAS	CIVSAAEG	...	LDIPGLR	VGDEANGSG	
ref XP_006670883.1[Cordyceps_militaris_CM01]	AIDFNLPV	GGETYVA	VEGN	SQIGCAG	SGSGAVDLS	.	FGQQFAGT	WLEDF	FGFANESNN	WKGADAS	CIVPAKFG	...	LDIPGM	WSV...GQG	
gb KOS22654.1[Escovopsis_weberi]	AVNFPLPAG	GSQAVV	FTDN	SQGGCAG	GVGSLA	I.	ICQFAGAW	WLEDF	FGNLSNG	WKGADAS	CIVAAANK	...	LDIPALS	WSV...YSG	
gb PNY23494.1[Tolyphocladium_capitatum]	VFNFLNPAGGKQ	VIAADANT	QGGCAG	SGPG	GAISLTN	.	FGQFAGS	WLEDF	FGNQSNG	WKGADAS	CIVAAKNG	...	LDIPGLN	WSV...GSG	
gb KND91653.1[Tolyphocladium_ophioglossoides_CBS_100239]	ALTDFLPAG	SKQAI	ADSNT	QGGCAG	UGAGALSL	T.	FGQFAGS	WLEDF	FGNQSNG	WKGADAS	CIVAAKNG	...	LDIPGLN	WSV...SSG	
gb RCI09024.1[Ophiocordyceps_polyrhachis-furcata_BCC_54312]	VMKFEDIP	PAQAEQSLA	IQCADT	KGGCAG	HKDEMPT	T.	PGVMS	PQGF	EVGG	EWASTWLEDF	MGSIVNG	SGADAS	CIVAAASVT	TKKM	
Consensus	f	gc	c	t	a	w	e	d	n	sg	das	1	a	ip	vc
gb RQB69419.1[Fusarium_verticillioides]	TCSTINP	GGGTC	ENAYLGG	MEAD	DGIGINT	TPAEQ	VRLTV	DIDYSG.						315	
gb PNP83566.1[Fusarium_nygamai]	TCSTINP	GGGTC	ENAYLGG	MEAD	DGIGINT	TPAK	VRLTV	DIDYSA.						315	
ref XP_023435652.1[Fusarium_fujikuroi_IMI_58289]	TCSTINP	GGGTC	ENAYLGG	MEAD	DGIGINT	TPAEQ	VRLTV	DIDYSA.						317	
emb CVL04491.1[Fusarium_mangiferae]	TCSTINP	GGGTC	ENAYLGG	MEAD	DGIGINT	TPAEQ	VRLTV	DIDYSA.						317	
gb KAF4498526.1[Fusarium_agapanthi]	TCSTINP	GGGTC	ENAYLGG	MEAD	DGIGINT	TPAEQ	VRLTV	DIDYSA.						317	
gb RKL34945.1[Fusarium_proliferatum]	TCSTINP	GGGTC	ENAYLGG	MEAD	DGIGINT	TPAK	VRLSV	DIDYSA.						317	
gb KAF4438339.1[Fusarium_acutatum]	TCSTINP	GGGTC	ENAYLGG	MEAD	DGIGINT	TPAEQ	VRLTV	DIDYSA.						317	
gb TVY65267.1[Fusarium_oxysporum_f._sp._cubense]	TCSTINP	GGGTC	ENAYLGG	MEAD	DGIGINT	TPAK	VRLTV	DIDYSA.						317	
gb EGU88594.1[Fusarium_oxysporum_Fo5176]	TCSTINP	GGGTC	ENAYLGG	MEAD	DGIGINT	TPAEQ	VRLTV	DIDYSA.						317	
gb EWZ96340.1[Fusarium_oxysporum_f._sp._lycopersici_MN25]	TCSTINP	GGGTC	ENAYLGG	MEAD	DGIGINT	TPAK	VRLTV	DIDYSS.						317	
gb EWZ35664.1[Fusarium_oxysporum_Fo47]	TCSTINP	GGGTC	ENAYLGG	MEAD	DGIGINT	TPAK	VRLTV	DIDYSS.						317	
ref XP_018249666.1 FOXG_11456 [Fusarium_oxysporum_f._sp._lycope	TCSTIIY	PGGTC	KNAYL	AGM	EAD	DGIGINT	PLK	QVRLTV	DIDYSA.						316
ref XP_031034128.1[Fusarium_oxysporum_NRRL_32931]	TCSTIIY	PGGTC	KNAYL	AGM	EAD	DGIGINT	PLK	QVRLTV	DIDYSA.						316
gb EXK30193.1[Fusarium_oxysporum_f._sp._melonis_26406]	TCSTIIY	PGGTC	KNAYL	AGM	EAD	DGIGINT	TPAK	QVRLTV	DIDYSG.						316
gb KAF4341103.1[Fusarium_beomiforme]	TCSTIIY	PGGTC	KNAYL	AGM	EAD	DGIGINT	TPAK	QVRLTV	DIDYSG.						316
gb KAF4454679.1[Fusarium_austroafricanum]	TCSTIIY	PGGTC	KNAYL	AGM	EAD	DGIGINT	TPAK	QVRLTV	DIDYSG.						316
ref XP_031018491.1[Fusarium_coffeatum]	TCSTVNP	GGGTC	TKAYL	GGM	EAD	DGIGINT	PLQ	KVRLTV	DIDYSG.						316
gb RFN53699.1[Fusarium_fasciculatum]	TCSTINP	GGGTC	ENAYL	GGM	EAD	DGIGLN	INDKK	VRLTV	DIDYSGK						311

ref XP_009263533.1[Fusarium_pseudograminearum_CS3096]	TCSTINPGGTC. TNAYLGGMEAIDGVGLNINDKKVRLTVIDYKG.	316
ref XP_011321453.1[Fusarium_graminearum_PH-1]	TCSTINPGGTC. TNAYLGGMEAIDGVGLNINDKEVRLTVIDYEG.	313
gb RGP67399.1[Fusarium_sporotrichioides]	TCSTINPGGTC. TNAYLGGMEAIDGVGLNINDKEVRLTVIDYQG.	310
gb KPA41204.1[Fusarium_langsethiae]	TCSTINPGGTC. TNAYLGGMEAIDGVGLNINDKEVRLTVIDYQG.	310
ref XP_025586523.1[Fusarium_venenatum]	TCSTINPGGTC. TNAYLGGMEAIDGVGLNINDKEVRLTVIDYNGK	309
gb OBS25510.1[Fusarium_poae]	TCSTINPGGTC. TNAYLGGMEAIDGIGLNINDKLVRLTVIDYQG.	308
gb RGP80188.1[Fusarium_longipes]	TCSTIYPGGTC. ENAYLGGMEAIDCIGLNLNQKQVRLTVIDYSK.	305
gb KIL86774.1[Fusarium_avenaceum]	MCSTIYPGGTC. DNAYLGGMEAIDGVGLNIYPGKISLTVIDYKG.	312
gb KAF4472684.1[Fusarium_albosuccineum]	TCSTINPGGTC. ENAYLGGMEAIDGVGLNLAPGKVRLLEVIVDYGK.	290
gb RSL96303.1[Fusarium_sp._AF-4]	TCSTIYPGGTC. ENAYLGGMEDIDGIGLNLPAGKVRLLTVVDYSK.	300
gb RSL85786.1[Fusarium_floridanum]	TCSTIYPGGTC. ENAYLGGMEDIDGIGLNLPAGKVRLLTVVDYSK.	300
gb RMJ12565.1[Fusarium_kuroshium]	TCSTIYPGGTC. ENAYLGGMEDIDGIGLNLPAGKVRLLTVVDYSK.	300
gb RTE77098.1[Fusarium_euwallaceae]	TCSTIYPGGTC. ENAYLGGMEDIDGIGLNLPAGKVRLLTVVDYSK.	300
gb RSL54744.1[Fusarium_sp._AF-6]	TCSTIYPGGTC. ENAYLGGMEDIDGIGLNLPAGKARLTVTVDYSK.	299
gb RSL65183.1[Fusarium_sp._AF-8]	TCSTIYPGGTC. ENAYLGGMEDIDGIGLNLPAGKARLTVTVDYSK.	305
gb RSM12706.1[Fusarium_ambrosium]	TCSTIYPGGTC. ENAYLGGMEDIDGIGLNLPAGKVRLLTVVDYSK.	283
gb KPM40332.1[Neonectria_ditissima]	TCSTIETGGTC. TNAYLGGMEAIDGVGLNLAAGKVRLTVTVGN...	288
gb KFA75604.1[Stachybotrys_chartarum_IBT_40288]	TCSTINPGGTC. TNAYLGGMEAIDGVGLNIVPGKARLNVVVGYQG.	298
gb KFA61711.1[Stachybotrys_chlorohalonata_IBT_40285]	TCSTINPGGTC. TNAYLGGMEAIDGVGLNIAPGKVRLLVVVGYQG.	302
gb KAF4125402.1[Geosmithia_morbida]	TCSTINPGGTC. TNAYLGGMEAIDGVGLNIPAGQVRLYVTVGYSS.	311
ref XP_006670883.1[Cordyceps_militaris_CM01]	VCSDIYEGGAG. KNAYLGGMEAADCIGGGNIKPGPIALTVKVNTN..	287
gb KOS22654.1[Escovopsis_weberi]	MCSTIFEGGTC. DNAYLGGMEAIDGVGLNIPPGPAALTIVV.....	263
gb PNY23494.1[Tolyphocladium_capitatum]	TCSTIYPGGTC. KNAYLAGGMEAIDGVGLNIPAGKINLQITVVDYRG.	292
gb KND953.1[Tolyphocladium_ophioglossoides_CBS_100239]	TCSTINPGGTC. KNAYLGGMEAIDGVGLNIPAGKVNLCQTVVDYKG.	294
gb PCT000234.1[Ophiocordyceps_valvulicola_fusca_PCC_542121	MCSTIETGGTC. TNAYLGGMEAIDGVGLNIPAGKVNLCQTVVDYKG.	245