

	200	*	220	*	240	*	260	*	280			
<i>S.schenckii</i>	: PEWSKMVPGFVRKQLQRELD	AVPGSL	SDEI	WREARDPTVHPEVQFGARVRVADDL	CRDEK	AFRQYRKPV	TAAALAKYLDL	PADDVHPDDVP	VIALCG			
<i>M.grisea</i>	: PDYFRLVPGYLRLKQLRELS	MSPGSL	ANEI	WEEAHDPSTHPEIRYAAKVRVSTDL	CEEEQ	MFREYRRMV	TRVALARYLDL	KEEDVNPEDVP	VIGMCG			
<i>C.globosum</i>	: PEWAKLVPGYVRKQLQREMD	MAPGSL	AAEI	WQEAHPFTHPEIQYSAKVRVSGEL	CDEEK	IFLERRQKMI	PALARFLGVEERD	IHPDDVPTIAM	C			
<i>P.anserina</i>	: PEWTKSLPGLMRKQLQRELE	MAPGSL	AAEI	WDEARDPFTHPEIEWEAKVRVSNAL	CEEEK	TFLERRKKV	IVPALAKYLG	LKEEDIHPDDVPT	VAICG			
<i>N.crassa</i>	: PEWSKLIPGYIRKQLQRELN	MAPGSL	AAEI	WEEARDPAINPEIQYSAKVRVSEDL	CDEEK	TFLARRKKI	TAVALAHYLG	IKIKEEDVNPEDV	PTIAICG			
<i>G.zeae</i>	: PEWSRLIPGYVRKQLRELS	MSPGSL	ADEI	WHAADPLINPEIQYSAKVRVSPDIC	DEEKE	YLSRRKRV	ARVGLAKYLG	LKEDEVHPDDVPT	IAICG			
<i>A.nidulans</i>	: PDWTkFLPETVQKQLRELS	MAPGSL	ADEI	WREAHDPDLHPEILREATVRVGN	SLCDE	LEFLRRKR	KKHAVKALSAY	LNIPEDIHPDDVPI	IISMCG			
	Pew k	Pg	rKLQREl m	PGSLa	EIW eA	DP hPEi	A VRVs	lC eEk f	Rk	aLa yL	e d hPdDVP	ia CG
	*	300	*	320	*	340	*	360	*	380		
<i>S.schenckii</i>	: SGGGLRALVAGTGS	LMAAEK	AGLFD	CVTYMAGVSGSCW	MQTL	YFSSFTHQD	FGRVADHLKARL	GVHIAHPPEL	FALLTS	SAPT	NKYLLSGA	VERYKA
<i>M.grisea</i>	: SGGGLRALVAGAGS	MSAAAD	DGLFD	CVTYTAGVSGSCW	LQSL	YSSLTNCS	LDKLINHLKARL	GVHIAFP	PAAFQALV	SAPT	NKSLSG	LVEKLKG
<i>C.globosum</i>	: SGGGLRALVAGTGS	FLATAED	DGLFD	CVTYSGVSGSCW	LQSL	YSSSVTEAN	FHNAIDHLKARL	GTHIAYPP	VAFAAALTS	SAPT	NKYLLSG	LVEKLKG
<i>P.anserina</i>	: SGGGLRALVAGTGS	FLASTED	DGLFD	CVTYSGVSGSCW	LQSL	YSSSVTGN	SFQRAIDHLKARL	GTHIADPP	VAFNSLTS	SAPT	NKYLLSG	LVEKLKG
<i>N.crassa</i>	: SGGGLRALVAGTGS	YMAAED	DGLFD	CVTYSGVSGSCW	LQSL	YSSSLAGN	DFQRLINHLKARL	GIHIAYP	PTAFSALLS	SAPT	NKLLLTAV	VEKLKG
<i>G.zeae</i>	: SGGGLRALIAGSG	SILATEE	DGLFD	CVTYSGVSGSCW	LQAL	NLTSFN	QGSLLK	LIEHLKARS	STHIAYP	PEAFQAL	ASMP	TNKYLLSG
<i>A.nidulans</i>	: SGGGLRALVAGTGS	YLATQEA	GLWDC	CVTYTAGVSGSCW	LQVLY	HSSITG	CNFTRLVAHL	KNRLGVHMA	FPPAALKLL	THAPT	NKYLLSG	LVEKLKG
	SGGGLRALvAGtGS	A	edGLFDcVtY	GVSGSCWlQ	Ly ss t	f i	HLKaRlg	HiA PP	af L	saPTNKyLlsg	VeklKg	
	*	400	*	420	*	440	*	460	*	480		
<i>S.schenckii</i>	: DPTTKFGLVDVYG	TLLAARLL	VPRGEL	DVSALDYKISS	ORRH	LTRGON	PMPIYTAVR	HEIPGLE	D-DG	IKDGA	VGPSAS	GDDAKKEAW
<i>M.grisea</i>	: DPNADFG	GLVDVYG	GILLAA	RLVLPKGEL	GIDDR	NYKLSN	QRYIQSGAN	PMPIYTAVR	HEIPGV	DD-GSP	-SEIPT	ATEEQKEAQE
<i>C.globosum</i>	: DPNSQFGLVD	AYGM	LLAARLL	VPKGEL	GVNEK	DFKLSN	QREYMKY	GONPLPIYTAVR	HEIPEL	DSPDY--	GGPGSL	TEEAKDRAK
<i>P.anserina</i>	: DSAASFGLVD	VYGILLAA	RLVLPKGE	LEVNEK	DFKLS	SQREY	VRYGONPLPIYTAVR	HEIPEM	DE-QDA	-DGNPP	VSEEA	KERAKKEAW
<i>N.crassa</i>	: DPEADFG	GLVDAYG	LLAARLL	FIPKGEL	GINAQ	DFKLSH	QOEYIRY	GONPMPIYTAVR	HEIPEL	DE-AD--	NEQSH	ASEAAKAEAKKEAW
<i>G.zeae</i>	: DPKADFG	GLVDVYG	VLLAARY	LVPKGD	LVNDR	DFKLSN	QRYVQYGOL	PLPIYTAVR	HEIPNL	PE-AS--	NOGP	IEAEIAKEEAKKEAW
<i>A.nidulans</i>	: DPGADFG	GLVDIYG	MLLAARLL	VPKGEL	GASDF	DLKLSN	QARNIAS	GAHPLPIYTAVR	HEIPIL	EKA	--KNEK	MPMEDLIKESQ
	Dp a	Fg	LVD YG	LLAARllvPkGeLg	d Kls	Qr y	GqnP	PIYTAVRHEIP	l	e k	ak	EaWfQWfEit
	*	500	*	520	*	540	*	560	*			
<i>S.schenckii</i>	: PYEFFCEEFL	AGIPTWAMGR	TFHRGRD	VP	LAA	PNGQGDYHL	PEVRTPLMLG	IFGS	AF	CATLSHYYKEIR	PVQSIS	GMSGLDEMIWGR
<i>M.grisea</i>	: PYEFFCEEFE	AGIPTWAMGRR	FQDGK	DVAL--P---	GGSHL	PEIRMP	LLLG	MF	GS	AF	CATLSHYYREIR	PLVQNL
<i>C.globosum</i>	: PYEFFCEEFS	AGIPTWAMGR	KFKNGT	DLPS--T---	SGFRL	PETRLP	FLLG	TG	FS	AF	CATLSHYYREVR	PIIKSLT
<i>P.anserina</i>	: PYELFCEEFS	AGIPTWALGR	KFKNGSD-----	TGLRL	PEVRMP	LLLG	GI	WS	AF	CATLSHYYREIR	PIIRSIV	GF
<i>N.crassa</i>	: PFELFCEEFA	AGIPTWAMGR	SFQDG	VNLPT--T---	EGFYL	PEIRLP	VLLG	GI	WS	AF	CATLSHYYREIR	PLIQSLG
<i>G.zeae</i>	: PYEFFCEEFG	AGIPTWALGRR	FKSGRDI	AP--E---	HGFHL	PEIRLP	LLMG	IF	GS	AF	CATLSHYYREIK	PLVQGLT
<i>A.nidulans</i>	: PYEFFCEELN	AGIPTWALGR	HFN	GKNEVP--A---	GTAPI	PELH	VGSLMG	VW	GS	AF	CATLSHYYKEIR	PLLRGIAG
	PyEffCEEf	AGIPTWA	GR F	G d	g	lPE r p llG	GS	AF	CATLSHYYrEirP	Gf	D li g	n dLskV
	580	*	600	*	620	*	640	*	660	*		
<i>S.schenckii</i>	: HPIDPATL	PNPVYGM	HPSQLP	VTVP	PGLFARKH	IQLMD	AGMSNNL	PIYPL	LRPGR	GV	EVVVV	FDASADIRK
<i>M.grisea</i>	: HPIDPTAL	PNPVYQ	MN-G	KLPK	TT	PGVIKSEY	IKLMD	AGMSNNL	PIYPL	LRPGR	EV	IVIAFDASADIK
<i>C.globosum</i>	: HPIDPPGV	PNFVH	GMYGOL	PGTV	PGVYDNEY	LQLMD	AGMSNNL	PIYPL	LRPGR	DV	DIILAF	DSADIK
<i>P.anserina</i>	: HPIDPASMP	PNFVYGM	H-G	KLPST	VPET	VYDNEN	IQLMD	AGMSNNL	PIYPL	LRPGR	DV	DIISF
<i>N.crassa</i>	: HPIDPATIP	PNFIHGM	N-G	KLPPT	VPRL	AYDS	YIQLMD	SGMSNNL	PIYPL	LRPGR	NV	DIIVAF
<i>G.zeae</i>	: HPIDPAKIP	PNFAYGM	H-G	KLPET	TP	ESIYDNEY	IQLMD	AGMSNNL	PIYPL	LRPGR	DV	DLVAF
<i>A.nidulans</i>	: HPIDPATIP	PNYVLGM	K-D	QLPP	SC	PESIFQS	QHLRLMD	AGMSNNL	PIYPL	LRPGR	DV	DIILAF
	HPIdPa	PN v gM	g LP t P			iqLMDaGMSNNL	PiYPLLRPGR	Vdi	aFDa	SADIKtdNWLsV	GYArqRgIKGWP	G GW