

Continued

		70	80	90	100	110	120
IS256	Facidarmanus_48851616	-RGLK-----	EPLLIIVADG	IKNLDE-EVM--	EIYPRSEFQLCT	IHYARGLKSNVRE	
	Ccellulolyticum_27881402	-RGLD-----	GVKLIVGDKCL	GMLE-SVN--	EVFPPEAKYQRCT	VHFYRNIFSVTPR	
	Mmazei_Gol_21228632	-RGLR-----	GVKLIVSDGHK	GIQK-AVR--	ESFIGSSWQMCH	VHLIRQALKKVVQK	
	Mtuberculosis_H37Rv_15610776	-RGLG-----	GVRLVISDQHAG	LVK-ALK--	RCFQAGHQRCRV	HVFARNLLAHVPK	
	Blinens_6456721	-RGLKVSTETD	PEGVALVISDAH	SGIKA-AVK--	AILPGAGWQRCRV	HVFARNVTQRLGS	
	Mavium_4210728	-RGLS-----	GVQLVISDAHT	GLRS-AIE--	AILIGASWQRCRV	HFLRNVLAQVPK	
	Efaecalis_V583_29377857	-RGLQ-----	GTELVISDAHK	GLVS-AIR--	KSFTNVSWQRCQV	HFLRNIFTTIPK	
	Sepidermidis_13383310	-RGLQ-----	GTELVISDAHK	GLVS-AIR--	KSFTNVSWQRCQV	HFLRNIFTTIPK	
	Ehistolytica_284.m00070	-NILNY-----	TPQIIIVCDR	CIAQYN-ALK--	LLFPYSKLF	FCRIHIERSLKKYFKN	
	Ehistolytica_2390555_c407510	-NILNY-----	TPQIIIVCDR	CIAQYN-ALK--	LLFPYSKLF	FCRIHIERSLKKYFKN	
EMULEs	Ehistolytica_2390555_c407727	-NILNY-----	TPQIIIVCDR	CIAQYN-ALK--	LLFPYSKLF	FCRIHIERSLKKYFKN	
	Edispar_167379831	-NILNY-----	GPEIIVCDR	SIAQYN-ALK--	HVFPYSKLF	FCRIHIERSLIKYFKS	
	Emoshkovskii_mosh131h06.q1k	-EYLN-----	SPDIIICDR	SNAQFR-AIQ--	TVFPNSEIIF	CKVHIQRSIEKYFHN	
	Emoshkovskii_mosh010h03.plk	-EYLN-----	SPDIIICDR	SNAQFR-AIQ--	TVFPNSEIIF	CKVHIQRSIEKYFHN	
	Emoshkovskii_mosh117b06.plk	-EYLN-----	SPDIIICDR	SNAQFR-AIQ--	TVFPNSEIIF	CKVHIQRSIEKYFHN	
	Emoshkovskii_mosh004g04.q1k	-EYLN-----	SPDIIICDR	SNAQFR-AIQ--	TVFPNSEIIF	CKVHIQRSIEKYFHN	
	Einvadens_EMULE_Ei1	-KFYD-----	LTVVICDR	CLSQTN-ALL--	QVFKDVNLVFC	TRHIRRNLIITEFGK	
	Einvadens_inv035b12.q1k	-KKVN-----	LTSVYCDR	CFSQTK-ALE--	TSFNGISIFHC	VRHIRRDLQVAFGK	
	Foxysporum_30421204_Hop78	-SVYEDH---	NIGLPSVILT	DRCLACMN-AVS--	SCFPGSALFL	CLWHINKAVQSYCRP	
	Ylipolitica_50553866_Mutyl	-VFLQKY---	LIPDPGVIL	SD-CAPAIKKG	HKY--SELNGSNL	KLCLWHAAKAVERKGS-	
Hop/Jittery	Zmays_19908843	-TCMG-----	SEGPRVMLT	DQDPAMPI-ALR--	TVFPKTVHRL	CLWHVQNRFPFLNE	
	Osativa_50904427	-TAMG-----	GKHPETIIT	DQDLAMRA-AIR--	QVFPNSKHRN	CLFHILKKCRERSGN	
	Athaliana_5764395	-RAMG-----	GRAPKVILT	DQDKFLMS-AVS--	ELLPNTRHCF	FALWHVLEKIPEYFSH	
	Zmays_7673677_Jittery	-VAMG-----	GKAPRLIIT	DEDASIKS-AIR--	TTLPDTIHR	LCMWHIMEKVSSEKVGH	
	Osativa_50931191	-KATG-----	GVAPRLIIT	DEDASMKA-AIA--	QILPNTVHRL	CMWHIMEKVPSEKVG	
	Cglobosum_116196930	-SLYEVC---	NARTPSVVL	TDRCIACMN-AVS--	TCFPSAASLL	CLWHANKAILRHQC	
	Mtruncatula_124361025	-KLLSS---	KMNMPKVIV	TDRDMSLMK-AVA--	HVFPESYALN	CFFHVQANVKQRCVL	
	Cneoformans_58264436	-ELVG-----	KPDV-KVVI	TDRDPALIN-ALM--	SVLPKAYRF	SCFWHLQENVKSNI	
	Ptritici_189208826	-ELFDYL---	SVS-PKCF	LTDHDRSLKA-GLS--	VIFPGIPQ	RRCIWHIYQNVQTEAVK	
	Vvinifera_157338603	-RAMG-----	GQAPRVILT	DQDKALKE-AIA--	EVFPESRHCF	CLWHILSKIPEKLS	
MuDR	VVGDL-----	PLLALCS	DACKGLKN-AMN--	NVFPHA	EKRECFRHLIQNYIKL	FGG	
	VVGDM-----	TLLAICS	DAQGLMH-AVN--	EVFPYA	ERRECFRHLMGNYV	KHHAG	
	GIDNT-----	YPWTIMT	NKQKGLIP-AVK--	KVFPDTE	HRFCVHRHLYSN	FQEKFKG	
	GIVNT-----	YPWTIMT	DKQKGLIP-AVQ--	QLFPDSE	HRFCVHRHLYSN	FQEQSFKG	
	IADS-----	NLTILS	DRHESIKV-GVK--	KVFPQA	HHGACIHLCRNI	QARFKN	
	AIPDD-----	PELVFV	DRHNSVYA-SIR--	KVYPMSS	HAACVVHLKRN	IEASFYK	
	IIKDG-----	PDLTFV	SDRNQSIFK-VVS--	LVFNQA	HHGACLVHIRRN	VKGRYVI	
	IVPDT-----	DDLMI	VSDRHSSYK-GVS--	VVYPKAN	HGACIVHLERN	ISVSYAR	
	VIPDS-----	TELVF	MSDRNSSLIK-AVA--	EVYPSSH	HGNCVYHLSQN	VRTKVAY	
	IVQDS-----	DDLIV	SDRHSSYK-GLS--	VVYPRA	HHGACAVHLERN	LSTYYGK	
TvCaMULEs	LIGPN-----	REVCIIS	DRHPGILN-SIIHIMPH	HLTIHHRW	CMRH-----		
	FIPPS-----	RFKNIYS	DQGPATIA-AVR--	ESGF	SCDHKFC	LRFHATKREYINVY	
	-HSVT-----	LKQVM	IDCSMPELS-AIK--	TVFP	ESSVSICKWYILRN	VNRTEARS	
	-HSVT-----	PKQVM	IDCSMSELS-AIK--	TVFP	ESSVSICKWHILRN	VNRTEARS	
	-TEFG-----	INPTQ	FVIDADPAEIS-GIQ--	SIFK	DTKIVLCYFHL	RAVTIKLKE	
	-AHLD-----	PQHWS	ADCALNIAR-AIE--	DGF	PLAQLSWCAVH	LRACAKVGSY	
	-AKVK-----	PKYF	MSDCAQEIEN-AII--	NSF	PEVILHWC	CAVHVMRAF	RKLNKLD
	-INRE-----	PSYF	SMDCAPQITN-AVE--	TAI	PLCOI	IWCGVHLRAV	MKA
							EK

