

		10	20	30	40	50	60	70	80	90	100
DmelIR8a	1	-----	MELPLLVLLALLARFAGSEVLKITFWTEPQRAEFTDITAMVLKELDALRLDVKKVDDTTLTLTRSEDLGLMQRFCCEILTSVGASAVIDLITYSH								
DmelIR31a	1	-----	-----	MNLLIS-MFILT							
DmelIR84a	1	-----	MKKLQVKVISWPLT-ILTAFF								
DsuzIR75d	1	---	MKVQVFRNLPV-LFLL-LVRTG-PRVAGSW								
DmelIR75d	1	---	MKVQVAHWLPL-IFLL-VSGT-PRVAGSW								
DsecIR75d	1	---	MKVQVAHWLPL-IFLL-VSGTPPRVAGSW								
DmelIR75a	1	-----	MQLVLQ-ANFVL								
DsecIR75a	1	-----	MQLVLQ-ANFVL								
DsuzIR75c	1	-----	MASLSL-YRLIV								
DmelIR75c	1	-----	MTSWPL-YRLIV								
DsecIR75c	1	-----	MTSWPL-YRLIV								
DsuzIR75b	1	-----	MVEL-HSFLI								
DmelIR75b	1	-----	MLQL-HNLIL								
DsecIR75b	1	-----	MLQL-HNLIT								
CpomIR64a	1	-----	MNLTYSALFTI								
DsuzIR64a	1	-----	MHWLL-VFLLSLSCGELKPERELL								
DmelIR64a	1	-----	MHWLL-VFLLSLSCGELKPERELL								
DsecIR64a	1	-----	MHWLL-LFLLSLSCGELKPERELL								
		110	120	130	140	150	160	170	180	190	200
DmelIR8a	93	WEEGYNLVRSLGIGYVRLERIMRPLDMFGDFMRQKRANNVAMVFNNAR									
DmelIR31a	47	LKDFD	-----	KEISLA	-----	LMRINQFVSVNLN					
DmelIR84a	56	DDAD	-----	GDWKIE	-----	CHQKLLANNRYQFY					
DsuzIR75d	68	HTDI	-----	ADSRVMTLWQHFNLNDFYQVQVSTATSLDRDLRHVDLDEQK							
DmelIR75d	68	HTDI	-----	ADFRLWKLWQHFNLNDFYQVQVSTATSLDRDLRHVDLDEQK							
DsecIR75d	69	HTDIVFSPPADFRLLWKLWQHFNLNDFYQVQVSTATSLDRDLRHVDLDEQK									
DmelIR75a	28	WQSD	-----	ESFQFAQQFTKPIHPILAYHQFVQMR							
DsecIR75a	28	WQSD	-----	ESLKFQAQQFMKPIHPILVYHQFVQMR							
DsuzIR75c	28	WSIK	-----	EALPLAKM	-----	LNENGIFSQYIDLQ					
DmelIR75c	28	WSIK	-----	EAFPLVQM	-----	LNQNGIFSQYIDLQ					
DsecIR75c	28	WSIK	-----	EAFPLVQM	-----	LNQNGIFSQYIDLQ					
DsuzIR75b	26	-----	SLAHALL	-----	AQSRNIFTQFKTL						
DmelIR75b	26	-----	SLSHALL	-----	AQSKNIFFQFOLH						
DsecIR75b	27	WSMD	-----	SLSHMALV	-----	AQSKNIFFQFOLH					
CpomIR64a	39	SKPE	-----	NAIFLQKH	-----	LKKMDLRFSTIMMH					
DsuzIR64a	63	QKPHLQTPNTPSAELQAFAAKNFQLIKS									
DmelIR64a	63	QKPHLQTPNTPNAAEHCDAFAAKNFQLIKS									
DsecIR64a	63	QKPHLQTPNTPNAAEHCDAFAAKNFQLIKS									
		210	220	230	240	250	260	270	280	290	300
DmelIR8a	183	PTYIALFARAAAMNGIF									
DmelIR31a	90	V-MVNARCSG-SSEL-LFEASENRYFNKTYQ-W-FLNGV									
DmelIR84a	100	VLVLNSEHVLVRRQV-FGVAASEAGYFNNSLA-W-FILGS									
DsuzIR75d	142	ILFLFESCDALNLLRWSAASEHNYFTTNR-F-WLLLTED									
DmelIR75d	142	ILLLEFSSECALNLLRWSAASEHNYFTTNR-F-WLLLTED									
DsecIR75d	148	ILLLEFSSECALNLLRWSAASEHNYFTTNR-F-WLLLTED									
DmelIR75a	79	I-YVDIKCDAQELL	-----	EEASREQIYNQHYH-W-LHGN							
DmelIR75a	79	I-YVDIKCDAQELL	-----	EEASREQIYNQHYH-W-LLVGN							
DsecIR75a	79	I-YVDIKCDAQELL	-----	EEASREQIYNQHYH-W-LLVGN							
DsuzIR75c	75	V-YLDLGCDAQELIT	-----	NQSSRARLYNQNLH-W-LLYDK							
DmelIR75c	75	V-YLDLGCDAQELVT	-----	NQSSRARLYNQNLH-W-LLYDE							
DsecIR75c	75	V-YLDLGCDAQELVT	-----	NQSSRARLYNQNLH-W-LLYDE							
DsuzIR75b	67	V-FLDINCNQSGVVL	-----	DKASSKRLLGHRYH-W-LIYDR							
DmelIR75b	67	V-FLDINCNQSGTVL	-----	DMASAKRFFSHRYH-W-LIYDR							
DsecIR75b	71	V-FLDINCNQSGTVL	-----	DMASAKRFFSHRYH-W-LIYDR							
CpomIR64a	80	I-VLKTSCENNTQVF	-----	EHFNCNLFKESLYSW-LIFTD							
DsuzIR64a	158	V-YDLACGLVSRFR	-----	LELASAKMLYSEKFH-W-LLTED							
DmelIR64a	157	V-YDLACGLVSRFR	-----	LELASAKMLYSEKFH-W-LLTED							
DsecIR64a	159	V-YDLACGLVSRFR	-----	LELASAKMLYSEKFH-W-LLTED							
		310	320	330	340	350	360	370	380	390	400
DmelIR8a	268	LNVLRSLNAAQVSPGYPLAIYQDCNATASSSEVSDPLEKDDYNWLDMWHSNFLAYAPPLPHIQDQFQVSPVGLTFAVNIISAGYSSSEHEAKTDLAAWS									
DmelIR31a	131	QFNGLTIRGASVIDKEDII	-----	SNEQIESILSRPT							
DmelIR84a	150	NFLNVTLGSTVLTKEP	-----	PGFGDMEYLADDK							
DsuzIR75d	186	EDGRIPIPPDSELRLVLYHENVGNFSCSLIDLKYAAMKPLKRTLVLGHNIIRNSRHVIALHQ									
DmelIR75d	186	EDPEIFIPPPDSELRLVLYHENVGNFSCSLIDLKYAAMKPLKRTLVLGHNIIRNSRHVIALHQ									
DsecIR75d	192	EDPEIFIPPPDSELRLVLYHENVGNFSCSLIDLKYAAMKPLKRTLVLGHNIIRNSRHVIALHQ									
DmelIR75a	122	APFNVISI	-----	DADVSYVKEAFQANHSVYAVYDV							
DmelIR75a	122	GLFNISIT	-----	DADVSYVKEAQDNDNSVAYAVYDV							
DsecIR75a	122	NLEGVTFNSAIVIAFPDLF	-----	TNIEDL							
DsuzIR75c	119	EAANLSL	-----	NADVTYVSRQEE							
DmelIR75c	119	EGANLSL	-----	NADVTYVSRDEER							
DsecIR75c	119	KAANLSL	-----	NADVTYVSRDEER							
DsuzIR75b	111	KEAQIFV	-----	DADVTYVTHDPITDN							
DmelIR75b	111	KEAQIFV	-----	DADVTYVTHDPFSKN							
DsecIR75b	115	KEAQIFV	-----	DADVTYVTHDPITRN							
CpomIR64a	122	SRYPVEI	-----	DSVAIIYRQES							
DsuzIR64a	236	GGMNLYM	-----	NTELTAKRMSAAH							
DmelIR64a	236	GGMNLYM	-----	NTELTAKRMSAAH							
DsecIR64a	238	GGMNLYM	-----	NTELTAKRMSAAH							
		410	420	430	440	450	460	470	480	490	500
DmelIR8a	368	SVGEMRLNETISPARRF									
DmelIR31a	200	QFNGLTIRGASVIDKEDII	-----	SNEQIESILSRPT							
DmelIR84a	219	NFLNVTLGSTVLTKEP	-----	PGFGDMEYLADDK							
DsuzIR75d	257	DLEGVTFNSAIVIAFPDLF	-----	TNIEDL							
DmelIR75d	257	DLEGVTFNSAIVIAFPDLF	-----	TNIEDL							
DsecIR75d	263	DLEGVTFNSAIVIAFPDLF	-----	TNIEDL							
DmelIR75a	200	QLTDDVVLRVATVVTQRPLT	-----	LSDDDELIRFLSQE							
DmelIR75a	200	QLTDDVVLRVATVVTQRPLT	-----	LSDDDELIRFLSQE							
DsecIR75a	200	QLTDDVVLRVATVVTQRPLT	-----	LSDDDELIRFLSQE							
DsuzIR75c	192	DLSSVTFRLAALVSVLPIN	-----	SSEELLEFLNSD							
DmelIR75c	192	DLSSVTFRLAALVSVLPIN	-----	SSEELLEFLNSD							
DsecIR75c	192	DLSSVTFRLAALVSVLPIN	-----	SSEELLEFLNSD							
DsuzIR75b	185	SFTGLTMRATAAVTALPLN	-----	SSVKEIFDFMNSK							
DmelIR75b	185	SFTGLTMRATAAVTALPLN	-----	SSVKEIFDFMNSK							
DsecIR75b	189	SFTGLTMRATAAVTALPLN	-----	SSVKEIFDFMNSK							
CpomIR64a	180	NLDGIVLRSAVVVTHSGI	-----	QTFEEYISRLKPE							
DsuzIR64a	306	DMQHARLR	-----	CMVVVTNKNMT							
DmelIR64a	306	DMQHARLR	-----	CMVVVTNKNMT							
DsecIR64a	308	DMQHARVR	-----	CMVVVTNKNMT							
		510	520	530	540	550	560	570	580	590	600
DmelIR8a	466	GETDFAIAALKMYSE									
DmelIR31a	286	NEADIAASGAFNRINRFAE									
DmelIR84a	302	READFAVCP									
DsuzIR75d	335	YELDIAIAAPFIYSFDRALFLQPIITKFSVFRICM									
DmelIR75d	335	YELDIAIAAPFIYSFDRALFLQPIITKFSVFRICM									
DsecIR75d	341	YELDMAQIAIFMRDLRALVDFVAETRYVRVAGIM									
DmelIR75a	282	QSADITATPSLAT									
DmelIR75a	282	QADITATPSLAT									
DsecIR75a	282	QADITATPSLAT									
DsuzIR75c	274	ESAEELCTTSPFVPSWNR									
DmelIR75c	274	ESAEELCTTSPFVPSWNR									
DsecIR75c	274	ESAEELCTTSPFVPSWNR									
DsuzIR75b	267	VDADIAIAAPFIYSFDR									
DmelIR75b	267	VDADIAIAAPFIYSFDR									
DsecIR75b	271	DKADIAIAAPFIYSFDRALFLQPIITKFSVFRICM									
CpomIR64a	261	GETDIGGTPVFIARAD									
DsuzIR64a	387	NETDIGGAPFIYWLER									
DmelIR64a	387	NETDIGGAPFIYWLER									
DsecIR64a	389	NETDIGGSPFIYWLER									
		610	620	630	640	650	660	670	680	690	700
DmelIR8a	551	-----	QAYPY	-----	ACREFTLRSEFW	-----	FALTSFTPGQ	-----	GGEAPKAIS		
DmelIR31a	375	-----	QKLEH	-----	LNQKSSVICIKTKT						
DmelIR84a	383	-----	-----	-----	MENRFSFVW	-----	FTMLETYLQOG	-----	PA		
DsuzIR75d	414	-----	-----	-----	MDT-LNFVW	-----	GAMCQOG	-----	FY		
DmelIR75d	414	-----	-----	-----	MDT-LNFVW	-----	GAMCQOG	-----	FY		
DsecIR75d	420	-----	-----	-----	MDT-LNFVW	-----	GAMCQOG	-----	FY		
DmelIR75a	366	-----	-----	-----	WRLDY	-----	IPSLLTFTL	-----	ISFGAACIQS	-----	SS
DmelIR75a	366	-----	-----	-----	WRLDY	-----	IPSLLTFTL	-----	ISFGAACIQS	-----	SS
DsecIR75a	366	-----	-----	-----	WRLDY	-----	IPSLLTFTL	-----	ISFGAACIQS	-----	SS
DsuzIR75c	358	-----	-----	-----	LD	-----	IPSLSSCL	-----	ISFGAACIQS	-----	SY
DmelIR75c	358	-----	-----	-----	LD	-----	IPSLSSCL	-----	ISFGAACIQS	-----	SY
DsecIR75c	358	-----	-----	-----	LD	-----	IPSLSSCL	-----	ISFGAACIQS	-----	SY
DsuzIR75b	350	-----	-----	-----	WK	-----	PSLLTSC	-----	LSFGAGCIQ	-----	AW
DmelIR75b	350	-----	-----	-----	WK	-----	PSLLTSC	-----	LSFGAGCIQ	-----	AW
DsecIR75b	354	-----	-----	-----	WK	-----	PSLLTSC	-----	LSFGAGCIQ	-----	AW
CpomIR64a	345	-----	-----	-----	DGDL	-----	ASLALLSTW	-----	SAYCQOG	-----	TT
DsuzIR64a	483	PPRHYYQ	-----	EEQVEAPVR							
DmelIR64a	483	PPRHYYQ	-----	EEQVEAPVR							
DsecIR64a	485	PPRHYYQ	-----	EEQVEAPVR							
		710	720	730	740	750	760	770	780	790	800
DmelIR8a	592	-----	G	-----	RLVAAYWLFVVLMLATFTAN						
DmelIR31a	412	PNPVDRSV	-----	R	-----	FLVMTLFLFLSVMYNYTSSV					
DmelIR84a	405	NEIFRLFSTR	-----	LISLS	-----	CIFSFLMQFYGAFT					
DsuzIR75d	437	VEVRNRS	-----	RIIVFTTFAAALFLTFSFANIV	-----	LLQSPS					
DmelIR75d	437	VEVRNRS	-----	RIIVFTTFAAALFLTFSFANIV	-----	LLQSPS					
DsecIR75d	443	VEVRNRS	-----	RIIVFTTFAAALFLTFSFANIV	-----	LLQSPS					
DmelIR75a	393	LIPRSAGG	-----	R	-----	LIYFALFLISFIMYNYTSSV					
DmelIR75a	393	LIPRSAGG	-----	R	-----	LIYFALFLISFIMYNYTSSV					
DsecIR75a	393	LIPRSAGG	-----	R	-----	LIYFALFLISFIMYNYTSSV					
DsuzIR75c	383	LMPKSAGG	-----	R	-----	LAFIAVMLTSFLMYNYTSSV					
DmelIR75c	383	LMPKSAGG	-----	R	-----	LAFIAVMLTSFLMYNYTSSV					
DsecIR75c	383	LMPKSAGG	-----	R	-----	LAFIAVMLTSFLMYNYTSSV					</