

			480	490	500	510	520							
Hs	GCA	477	FSNVTMLFS	IVGF	TAI	CSQCS	----PLQVITMLN	ALYTRFDQ	QC	GEL---	DVYK	VE	TIG	
Dm	GCA	462	YPDV	TILFS	IVGF	TSICS	RAT----	PFMVISM	LEGLYK	DFDE	FC	DF	---	
Cf	AC1	387	HDNV	SILFA	IEGF	TSIAS	QCT----	AQELVMT	LNELFAR	FDKLA	AE	---	HCLR	IK
Hs	GCB	417	YDNVT	ILFSG	IVGF	FNAFC	SKHAS	GEGAMK	IVNLL	NDLY	TRFD	TLT	DSR	KN
Dm	GCB	415	YDSVT	LMFSG	IVGF	GQYCA	ANTDPD	GAMKIV	KMLNEL	YTVF	DAL	TDS	KRN	LN
Rn	AC2	882	YDCVC	VMFAS	IPDF	KFEFY	TESD	VNKEGL	ECLRL	NEI	IADF	DDL	SKP	KF
Cr	GC	473	HPEAT	VLF	IVGF	TEIAS	RSS----	PLEVCS	LLELY	QRFDA	AAIE	EYP--	QLYK	VE
Dm	GC	417	FDSVS	ILFS	IVTF	TEICS	RIT----	PMEVVS	MLNAM	YSIF	DKL	TERN	---	SVYK
Sp	AC	1008	PRLIT	ILFS	IVGF	TRMS	NALQ----	SQGVAE	LLNE	YLGE	MTRAV	FEN---	QGT	V

1

2

			530	540	550	560	570
Hs	GCA	530	DAYC	VAGGLH	-----	KESD	THAVQI
Dm	GCA	515	DAYC	VASGLH	-----	RASI	YDAH
Cf	AC1	440	DCY	YCVSGLP	-----	EARA	DHAC
Hs	GCB	477	DKY	MTVSGL	-----	PEPC	IHHAR
Dm	GCB	587	DKY	MAVSGL	-----	PDHC	EDHAK
Rn	AC2	942	STY	MAATGL	SAIP	SQEH	AQEP
Cr	GC	527	DAY	MVVCNVT	-----	VPCD	DHAD
Dm	GC	470	DAY	MV	VAGAP	-----	DKDAN
Sp	AC	1061	DAI	MALYGA	PEEM	SP----	SEQV

3

			580	590	600	610	620	630
Hs	GCA	573	MRIG	LHSG	SVFAG	VVGVK	MPRY	
Dm	GCA	558	MRIG	LHTGT	VLAV	VVGRK	MPRY	
Cf	AC1	483	MRV	GIHSG	RVHCG	VLG-LR	KWQF	
Hs	GCB	515	ITIG	IHTGE	VVTG	VIG-QR	MPRY	
Dm	GCB	629	ITIG	IHSGE	VVTG	VIG-NR	VPRY	
Rn	AC2	996	LRV	GINHG	PVIAG	VIG-AQ	KPQY	
Cr	GC	570	IRV	GMHSG	PVAV	VVGRK	MPRF	
Dm	GC	514	IRV	GVHSG	AVVAG	IVGLK	MPRY	
Sp	AC	1116	FR	CGIH	QGM	AVVGL	FGSQ	

4

5

6

7

			630	640	650	660	670	680
Hs	GCA	632	F--	VFT	PRS	REEL	PPNF	
Dm	GCA	617	F--	EFEL	QPRD	--PS	FLPKE	
Cf	AC1	541	---	EVE	PGCG	GERN	AYLKE	
Hs	GCB	578	SDP	QFHLE	HGR	PVSM	GKKE	
Dm	GCB	688	QDD	SFHLE	YRGP	VIMG	KPTP	
Rn	AC2	1054	---	YTCT	CRGI	INVK	GKGD	
Cr	GC	628	---	RFE	IRER	GNIT	VKG	
Dm	GC	571	---	YKI	IERGE	IDV	GKGT	
Sp	AC	1175	---	IKR	EFL	ELK	GID	

8