

		↓	H1	↓	↓	βA	↓	↓	βB	↓	βC	↓	H2	↓	↓	βD	↓	
htIMP-4	1	CSCAPAHPQQ	HICH	SALVIR	AKISSEKVV	PASADPA-DTE	KMLRYEIKQI	KMFKGF	EKV--	--KDVQYIYT	PFDSSLCG-V	KLEANSQKQY	LLTGQVLSDG	95				
htIMP-1	1	.T.V.P...T	AF.N.D....	..FVG	TPE.N	-----QTT	LYQ.....MT	..Y...QALG	DAA.IRFV..	.AME.V..YF	HRSH.RSEEF	.IA.KLQ-..	92					
htIMP-2	1	...S.V....	AF.NADV...	..AV...E.D	SGN.IYGNPI	.RIQ.....	P----	--...IEF...	APS.AV...-	S.DVGGK.E.	.IA.KAEG..	94						
htIMP-3	1	.T.S.S...D	AF.N.DI...	..VVGK.L.K	EG-----PF	GT.V.T...M	..YR..T.--	-MPH....H.	EASE.....-L	...V.-KY..	R.Y-..	88						
paTIMP-4	1												95					
muTIMP-4	1	.....	.F.....	.....	..K...-..Q	.LI.....	A-	--...I..V..	-	...T..H...	I....	95						
raTIMP-4	1	.....	.V.....	.....	..E...-..Q	..I.....	A-	--...I..V..	-	...T.....	I....	95						
boTIMP-4	1	.....	.V.....A..	.....	..T...-..PQ	..I.....	-	--N.I.....	-	R.	I....	95						
tkTIMP-4	1	...L.....	LF.S.EI...	G..I.S	P.NNSS-PYM	..IQ....M.	D.A-	--...I..V..	.VF.....-	..DY.NKAG.	..S.SMWR..	95						

		↓βE↓	↓βF↓	↓H3↓	↓H4↓	↓	↓H5↓	↓βG↓		↓βH↓	↓H6↓	↓	↓H7↓	↓βI↓	↓βJ↓	
htIMP-4	96	KVFIHLCNYI	EPWEDLSLVQ	RESLNHHYHL	NCG-CQITTC	YTV	PCTISAP	NECLWTDWLL	ERKLYGYQAQ	HYVCMKHVDG	TCSWYRGHLP	LRKEFVDIVQP	195			
htIMP-1	93	LLH.TT.SFV	A..NS...A.	.RGFTKT.TV	G.EE.TVFP.	LSI..KLQSG	TH....Q..	QGSEK.F.SR	.LA.LPREP.	L.T.QS----	..SQIA-----	184				
htIMP-2	95	.MH.T..DF.	V..DT..TT.	KK....R.QM	G.E-.K..R.	PMI..Y..S.	D....M..VT	.KNIN.H..K	FFA.I.RS..	S.A....AA.	PKQ..L..ED.	194				
htIMP-3	89	.MYTG...FV	.R.DQ.T.S.	.KG..YR...	G.N-.K.KS.	.YL..FVTSK	M.S	NFGYP...SK	..A.IRQKG.	Y.....WA.	PD.SIINATD.	188				
paTIMP-4	96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	195				
muTIMP-4	96				Q	-	A.....				I.....H	Y...I..	195			
raTIMP-4	96				Q	-	A.....	D.....			I.....H	Y.....	195			
boTIMP-4	96	...V.....	N..FL.		-	A.....					S....Q.R..	I..	195			
tkTIMP-4	96	RISVGQ.DLV	.S.DN...S.	KKN..YR.QI	G.E-.R.N..	VSTGE	.....	DNS.N.E..R	Q.A.IRRS.T	GP.	PE.D.L.MTD.	195				