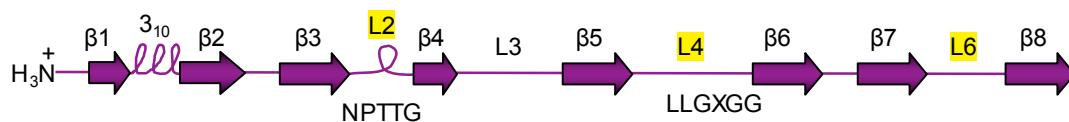


**A**

		β1	β2	β3	L2	β4	β5	
PbICP	169	NLEENNTMNESG-KVDSKYELTGDEKCGKSLKLGNIS	QNTNOETITQSLSVGEILCIDELEGNAGTC	YLWVLLGIHKDDEPIINPENFPTKLTKSFFSEEISVTQPKK				274
PyICP	171	NLEENNTMNEIDNKVD SKYELTGDEKCGNSLKLGNIS	QNTSQETINQLSVGETFCIDPEANAGTC	YIWALLGVHKNEPPIINPENFPTKLTKKPYFSEEISVTQPKR				277
Falstatin	227	FSEEENTEVEASA-ENNHTNSLPNECDQIIKLGDI	NSVNEKIIISINSTVNNVLCLNLD	VNGNG-FVWTLLGVHKKPLIDPSNFPTKRVTSYVSPDISVTNPVP				330
Toxostatin-1	89	-----HDKVYTTTVNVSSIPAH	KLLIES	SAGSGGGAFMAHDV	LKG-----INRQPSLELEPLAEDEMRERLQRS			153
Toxostatin-2	72	-----ALEAGARTIPKIHFA	GARARAQEKP	IKEVPA	TLGTC-YTLVVLVYVRGLDFPLSFRDEIRQKLGGGRGRDAP	TPASE		150
LmICP	1	-----MIAPLSVK-DND-----	KWDTHVGKTTEIHLKG	NPTTG	YMWTRVGFVKG-----	DVLSDEILEVVKCYT		59
TbICP	1	-----MSHNLFTEEEDNN-----	KTIRMVIGETFTIELES	NPTTG	YTWLRSCLAG-----	TELSDCTFAIQSKFN		59
Chagasin	1	-----MSHKVTKAHNG-----	ATLTVAVGELV	EIDPSNPTTG	FAWYFEGGT	-----	ESPNESENFTVENKYF	58
EhICP-1	1	-----MSLTEDNNNN-----	TTITIAKGENKEIIILHG	NPTTG	YSWVVDSCEG-----	LSNTVEYVADQHA		54
EhICP-2	1	-----MKQFIFFALLCTSTYAAIHLTEKE-----	DHALHISFNDLIKQLRT	NPSTG	YANNIEPTD-----	TFSLSQDTIKAEPH-		73
		L4	β6	β7	L6	β8		
PbICP	Y-KIDEHDSSKNVNREIESPEQKESD-----	-----SKPKKPQMQLLGDRMR	DRMSV	IKGKPGKYIVY	SYYRPF	SPTSGANTKIIYVTQ		354
PyICP	Y-KIDEHDSSKNVDKENE	SDQKESD-----	SKPKKPQMHLGGP	DNMR	SV	IKGKAGKYIVY	SYYRPF	357
Falstatin	IPKNSNTNKKDDSIINNKDG	GSQNNTTN-----	HFPK-PREQLVGGSSMLISKI	KPHKPGKYFIVY	SYYRPF	DPTRDNTRIVELNVQ		412
Toxostatin-1	VSKHGTVGKPAIEHMKN-----	-----MPGAP	QTYAAPVEVTQVGDY	TVIVSSVRP	WAPRDAAGYVV	VHIATD		218
Toxostatin-2	Q-KEEKQEEKAKTEGETSGEDGDIEDVFL	LKVFAEPTKKHG	VVVSSPEKSMR	STPSTVETARGK	MRESY-YESEI	SSVEPGDFAVAFALVRP	WKLSDQPQV	258
LmICP	---P-TPSS-----	-----TPMV	VGGGIY	--VVLV	KPRKRGH	HHTLELVY	TRPFEGIKP	113
TbICP	NRAPHDHNKH-----	-----RLLVGAGGT	-MVLEV	KALKAGKHTL	SLAY	RPWVGFNAAKRYNI	HEVATA	121
Chagasin	---P-PDS-----	-----KLLGAGGT	-EHFHV	IVKAAGTHAVNLTY	YRPWTGPSHDS	ERFTVY	LKAN	110
EhICP-1	---P-----	-----GICGCCGKY	--HIKITGTQ	GEKGIVLVY	RPWAPNANDR	TFTLKV	NVQ	102
EhICP-2	---P-----	-----VSGVGF	SIREIQL	KPLKV	TTTIKLYS	SPWEKGKEPLRS	LTVSVVIR	123

**B****Chagasin (*T. cruzi*) 12 kDa****PbICP (*P. berghei*) 40 kDa**