

		MAL- KRLIQQQVHTDQNSITASKYPKYTVLGNSTSSITA XELTXAIESSKASAAAXXSEINAKQSELNAKDSENKAIXIASXXSSQSQSATQSASAT--	97	Phage's central tail binding domain
1.Salmonella phage Tennessee pb1		.....S.....G.....T.....T.....G.....R.....E.....A.....	97
2.Escherichia phage HildyBeyeler pb1		.....I.....T.....A.....S.....D.....T.....G.....G.....E.....K.....T.....	98
3.Salmonella phage 8sent1748 pb1		.LK.....V.....ELTG.....DTTT.....S.....A.V.A.A.....D.....A.....E.....T.....LSAN.Y.N.EA.....T.....	97	
4.Escherichia phage T5 pb1		.....ADV.S.....GP.Q.....E.....E.....T.....	97
5.Salmonella phage S147 pb1		.LK.....V.....IMNI.DTTT.....T.....S.....A.V.V.A.....D.....A.....E.....I.....LSAN.Y.N.EA.....T.....EA	100	
Consensus		-----ASANSAGAAGTS-----ETNAKASXTAAKTSETNAKSXXXXXXX-	135	Coiled-coil domain
1.Salmonella phage Tennessee pb1		.....EL.....H.....A.....E.AAKT	136
2.Escherichia phage HildyBeyeler pb1		.....E.....E.....A.....E.AAK-	135
3.Salmonella phage 8sent1748 pb1		-EAERG..LS.D.ADASATSAEESKGFRSDSAEQDAEQSRLLAEQAOKD.E.AK...A...Q..AV.A.ESTN	172	
4.Escherichia phage T5 pb1		.....NN.KM.....	128
5.Salmonella phage S147 pb1		KRQADLSKDSADASATSASQSAASATKA.E.SA.....LE.SA.....	157	
Consensus		-----SETHAKASETAATAASASAAKTSETNAKQSELNAKGSENRAIESAASSQQS-----ATQSASSATAASANSAGAAKTSETNAKASETAAKTSETHAKTSE	135	
1.Salmonella phage Tennessee pb1		SETHAKASETAATAASASAAKTSETNAKQSELNAKGSENRAIESAASSQQS-----ATQSASSATAASANSAGAAKTSETNAKASETAAKTSETHAKTSE	229	
2.Escherichia phage HildyBeyeler pb1		QATAATGSGATKAGEYATTAKDSEIAAKTSELNAKDSHEHAISAEASEASASQSAISATQSAAASATKSAESSAAAKTSETNAKTSETNAKTSETNAK--	135	
3.Salmonella phage 8sent1748 pb1		-----	269	
4.Escherichia phage T5 pb1		-----	128	
5.Salmonella phage S147 pb1		-----	157	
Consensus		-----TSETKAKXSETAATAASAXAAXKTSETNAAXSAXAAXSKTXAXN-----SATAAXTSAXAAXKSSETNAKTSETNAKASEBXAKKXXGXASXXXXXXXA	325	
1.Salmonella phage Tennessee pb1		TNAAS.ASS.SS.A...EN...R.....GN..Q..DA...A.A...K..ETN..K..A.....T..NK..EYLDR..ELVSPV.TQ	228	
2.Escherichia phage HildyBeyeler pb1		.....H.....A.....S.....N.....A.....S.....KT.E.N.R.N....K..AN..N...T.....G.....A..ATR..ESVAS.MRD..ILGONS.	325
3.Salmonella phage 8sent1748 pb1		.....N...T...N...Y.A.....A..AS.SD..GFRDEAEAF.AQ.S...L...N..I.T...T...I.S...D...LAQ...LAQ...LG.ANTAQ.T	268
4.Escherichia phage T5 pb1		---S.ASS.SSFA...EN..R.....GN..Q..DA...A.A...K..ETN..K..A.....T..NK..EYLDN..ELVSPV.TQ	220	
5.Salmonella phage S147 pb1		.....S.F.T...N...Y.A.....D..AS.SD..GFRDEAEAF.AQ.S...L...N...T...T...I.S...D...LAQ...LAQ...D.ANTAQ.T	253
Consensus		XDXPXXX-NXSXYXXXXXX--	246	
1.Salmonella phage Tennessee pb1		Y.W.VGTD.N.V.VKIAKL	344	
2.Escherichia phage HildyBeyeler pb1		R.C.DISG.P.A.IGFMRIREGVGWPSIANGAYLTGVISVNDGPSYGTGFHGWNTRSLTYRTYRWSSGLPQWTHRARKDEVORLVQGSGESAIVGAGR	328	
3.Salmonella phage 8sent1748 pb1		M-	366	
4.Escherichia phage T5 pb1		Y.W.VGTD.N.V.VKIAKL	239	
5.Salmonella phage S147 pb1		M-	254	
Consensus		-----XX-XX-----XX-X-XX-----TDPGAXXCXL-XXXXGGXGXKXXXXXXKEI	285	
1.Salmonella phage Tennessee pb1		-----CX.L.H.TLMITN..NY.SSYGNIDFV..	376	
2.Escherichia phage HildyBeyeler pb1		KQKVLVMDCGTGATMDWCVDGEAGAKWIPLCVGRCGTGATTGAAGARTNLQNRFORSSDTRTIV..ES..VQ.DG.Y--QUDA..QH.AFNPKTGIRMQP	424	
3.Salmonella phage 8sent1748 pb1		-----TTTKCYRDEAEFGKNTA-----VS.H.TLMITNFV..	383	
4.Escherichia phage T5 pb1		-----TTIQLGKLSOVEDQLKADTQTIKEGA.A.EIR.A-	271	
5.Salmonella phage S147 pb1		-----	287	
Consensus		SARGLNDRXRGVTXENITXFLSVRRLGSPXLAMD-----QVXEXAGXXX-WXXZX-R.XIXTRVAVALEAT-RTXXQIPSGXLSQDXXSXXXIXX	470	
1.Salmonella phage Tennessee pb1		.....A.....S.....K.....R.....N.....Q.....LRYYGL..GN.YFEV.CYQ.AF.KETN.....Q.G...ELY..K.FV...TOP.GF.ES	368
2.Escherichia phage HildyBeyeler pb1		L.TAQGGTG...A.DARTN.GLGHSS..TFGHL-----QL.T.NO-D-S--AS..I...FLRDTSGAQR	485	
3.Salmonella phage 8sent1748 pb1		-----TTAATTATDK-----AL.A..SAT-MAGEK-A.AA.NA.DR..IAAASAE.VTQAS.KK.QNLKDLTK	445	
4.Escherichia phage T5 pb1		.....A.....S.....K.....R.....N.....Q.....LRYYGL..GD.YFEV.CYQ.AF.KE.....Q.G...ELY..E.FV...TOP.GF.ES	363
5.Salmonella phage S147 pb1		E.V.AI.TAI.K.NATAEITP..KQAEADAAT..GQKVATVATE-----ATAA..SAT-TAGEQ-AVAASSS..TR..AANKAE.TL.IS.LK.QNLADLSDK	380	
Consensus		XAARIYDQXKNPKKADLXLXX-----XXXGXFPXX-----XGNGLYSYSS-QSNVNL-VNXLKXXGQGYRMXRARESGANVDIXDHGS-GFYXHGX	452	
1.Salmonella phage Tennessee pb1		L.....V...S.....G.ENA-----MLV.A.GLN-----G.....D.-I.K.AN.....A.....S.....S.C.S	580	
2.Escherichia phage HildyBeyeler pb1		ARRS...SEIRGDN..WT.HLQSDANTNKYAGLSID.N.QINGNFI..AI.L.D.VT.K..Q..RFVQAT.ETDVHNHAGT.QIF.T.NKNM.A.DTEL	555	
3.Salmonella phage 8sent1748 pb1		V...KEL.IQAVVSK.S-----N.VGD.N.F.T-P.V-YE.LRANDGG..V..N.DNATSALPI.A..GTGAEN	512	
4.Escherichia phage T5 pb1		.....V...T...S.....G.ENA-----MLV.A.GLN-----G.....D.-I.K.AN.....A.....S.....S.C.S	445
5.Salmonella phage S147 pb1		V-----ARI..S.DR..QADSRSIOPYTNRY.LVMN.T..W.V.DDTS	427	
Consensus		DTHAAJNV-QXGTGIYXV-----GXKKKKKKDLKTPTRARLSTKTCGNACNKKKKKKKKCKER	505	Lateral fibre domain
1.Salmonella phage Tennessee pb1		.....I...Y.S...R..LATDRNLASIGIVHANTLYGTANKPKSKSDVGLGMVNTDAQVKKS.DVMSDGL..I..E...S...Q...HLMFNP.D.A.S	649
2.Escherichia phage HildyBeyeler pb1		RR.I.LPIT.G...GLSI-----SEAKTLQIP.VGAGDMHIEAPPA.V.A	631	
3.Salmonella phage 8sent1748 pb1		V-----E.AKINFGI..R..Q.ETETMM-----	534	
4.Escherichia phage T5 pb1		.....I...Y.N...K.LATDRNLASDIIVYANTLYGTANKPKSKSDVGLGMVNTDAQVKKA.DVMSDGL.IR.E.S...Q...HLMFNP.D.G.G	544
5.Salmonella phage S147 pb1		NVFKPLG.G.G...AMDA-----EGARNN.GAL.KG.DT-----ATAMIAT	466	
Consensus		GVIYXPNNPGSLG-----EIHIRAKXGGGI-----XTGDXXXXDGXXEKXDAXX-XXXSRXXXSSNDXXXSSSSSSVVXK-----XRDSDSNV	586	
1.Salmonella phage Tennessee pb1		.....T.....TG..FIVHH..RI.A...K.KIIHKI..S.TAEF...DTNT.ATNLN..GKHQTPIMLV.....	737
2.Escherichia phage HildyBeyeler pb1		KY.PI.VI..AQAHGLYLSGFF.D.QTRSS..GOPINCC.NGFIIRTG.WSDR...GYGYNNR...Y.SSER.LKCTL..A-----K..ED.I	715	
3.Salmonella phage 8sent1748 pb1		..A-.GIN.PY-----R.T..PDAAV..W.DE-----TG.HIPL.I..Q-----AGGTC.T	577	
4.Escherichia phage T5 pb1		..WS.....TSD.T-----S..FIVRH..RI.A...K.KISKYI..S.TAEF...DTNT.ATNLN..GKHQTPIMLV.....	632	
5.Salmonella phage S147 pb1		KHS.PAG-----ST.Q-----L.WSWSR-----	485	
Consensus		SVGFKLXNNMNAKL-----XXXK-T-----XXX-XX-G-----XF-G-XXP-X-X-XGGQAJXX-NXLVIXFS-XXXXYVQC	642	
1.Salmonella phage Tennessee pb1		.....N.....LGIDIDGDLAFGENPDHKQNS..LI.QAKLDSGVTVG.KTTFPSDLAT..PM.MAG.INPEYI..K.IDL--D...K.ADKGSVK..	835
2.Escherichia phage HildyBeyeler pb1		A.VVEGRAPFV..M..G.NQDVSVR.LSASGRLSGGELAV.GAGTL..F..FC.ATAVASANTH-Q-----VT.AW.TPN..GPDVS.VRTL--F--D...L.NRVGFE..A	780	
3.Salmonella phage 8sent1748 pb1		E..ARK..L.TPV-----M.....S.....G.....S.....		

Figure S2. MUSCLE (v.5.1) alignment of the five LTFpb1 protein sequences from the four representative Tequintaviruses and Salten. Dots represent an identical aminoacid compared to the consensus sequence, dashes represent gaps. Written aminoacid letters indicate a variation compared to the consensus sequence. Domains known thanks to T5 modeling (Garcia-Doval et al., 2015) are highlighted.