

Table S1. The list of proteins detected from excised bands by LC-MS/MS analysis.

Excised band	Strain		Total plot score ¹	%Cov ²	Accession number	Annotation	Species	
A	CPBF6HA	1	38.87	30.94972	XM_647944	CPBF6 96.t00007 AAFB01000344	<i>E. histolytica</i>	
		2	18.5	21.64502	TRYP_PIG (P00761)	Trypsin precursor (EC 3.4.21.4)	PIG	
		3	5.24	2	XM_647892	Pyruvate:ferredoxin oxidoreductase 98.t00023 AAFB01000352	<i>E. histolytica</i>	
		4	4	10.28037	CAS1_BOVIN (P02662)	Alpha-S1-casein precursor	BOVIN	
		5	2.02	1.866252	K2C1_HUMAN (P04264)	Keratin, type II cytoskeletal 1	HUMAN	
	CPBF8HA	1	59.86	35.06637	XM_647807, 101.m00123	CPBF8 101.t00012 AAFB01000362	<i>E. histolytica</i>	
		2	17.28	26.40693	TRYP_PIG (P00761)	Trypsin precursor (EC 3.4.21.4)	PIG	
		3	5.53	5.287714	K2C1_HUMAN (P04264)	Keratin, type II cytoskeletal 1	HUMAN	
		4	2.06	5.607476	CAS1_BOVIN (P02662)	Alpha-S1-casein precursor	BOVIN	
	HA	1	11.64	21.64502	TRYP_PIG (P00761)	Trypsin precursor (EC 3.4.21.4)	PIG	
		2	7.04	3.732504	K2C1_HUMAN (P04264)	Keratin, type II cytoskeletal 1	HUMAN	
		3	3.4	10.28037	CAS1_BOVIN (P02662)	Alpha-S1-casein precursor	BOVIN	
B	CPBF6HA	1	13.05	7.63583	XM_647289	γ -Amylase 120.t00008 AAFB01000417	<i>E. histolytica</i>	
		2	11.84	10.73095	K2C1_HUMAN (P04264)	Keratin, type II cytoskeletal 1	HUMAN	
		3	9.99	17.31602	TRYP_PIG (P00761)	Trypsin precursor (EC 3.4.21.4)	PIG	
		CPBF8HA	1	13.59	27.70563	TRYP_PIG (P00761)	Trypsin precursor (EC 3.4.21.4)	PIG
			2	13.14	7.853983	XM_647807, 101.m00123	CPBF8 101.t00012 AAFB01000362	<i>E. histolytica</i>
			3	8.67	7.153966	K2C1_HUMAN (P04264)	Keratin, type II cytoskeletal 1	HUMAN
			4	2.92	4.672897	CAS1_BOVIN (P02662)	Alpha-S1-casein precursor	BOVIN
		HA	1	16.07	17.57387	K2C1_HUMAN (P04264)	Keratin, type II cytoskeletal 1	HUMAN
			2	11.17	20.77922	TRYP_PIG (P00761)	Trypsin precursor (EC 3.4.21.4)	PIG
			3	7.62	7.704655	K1C9_HUMAN (P35527)	Keratin, type I cytoskeletal 9	HUMAN
			4	6.91	5.733558	K1C10_HUMAN (P13645)	Keratin, type I cytoskeletal 10	HUMAN
		5	4	10.28037	CAS1_BOVIN (P02662)	Alpha-S1-casein precursor	BOVIN	
C	CPBF6HA	1	13.05	21.64502	TRYP_PIG (P00761)	Trypsin precursor (EC 3.4.21.4)	PIG	
		2	8.37	11.45194	XM_650544	α -Amylase, putative 25.t00021 AAFB01000107	<i>E. histolytica</i>	
		3	5.52	12.34568	IGHG1_MOUSE (P01868)	Ig gamma-1 chain C region secreted form	MOUSE	
		4	4	4.012841	K1C9_HUMAN (P35527)	Keratin, type I cytoskeletal 9	HUMAN	
		5	3.82	3.732504	K2C1_HUMAN (P04264)	Keratin, type II cytoskeletal 1	HUMAN	
		6	2.03	1.173021	BGAL_ECOLI (P00722)	β -Galactosidase (EC 3.2.1.23) (Lactase)	<i>E. coli</i>	
		CPBF8HA	1	16.96	21.64502	TRYP_PIG (P00761)	Trypsin precursor	PIG
			2	10.06	9.020218	K2C1_HUMAN (P04264)	Keratin, type II cytoskeletal 1	HUMAN
			3	4.01	4.012841	K1C9_HUMAN (P35527)	Keratin, type I cytoskeletal 9	HUMAN
			4	3.08	1.517707	K1C10_HUMAN (P13645)	Keratin, type I cytoskeletal 10	HUMAN
			5	5.52	3.72093	K22E_HUMAN (P35908)	Keratin, type II cytoskeletal 2 epidermal	HUMAN
		HA	1	13.1	10.57543	K2C1_HUMAN (P04264)	Keratin, type II cytoskeletal 1	HUMAN
			2	8.67	9.147287	K22E_HUMAN (P35908)	Keratin, type II cytoskeletal 2 epidermal	HUMAN
		3	7.69	21.64502	TRYP_PIG (P00761)	Trypsin precursor (EC 3.4.21.4)	PIG	
		4	4.76	3.878583	K1C10_HUMAN (P13645)	Keratin, type I cytoskeletal 10	HUMAN	

1: Total prot score was calculated by protein pilot™ software.

2: Percentage coverage was calculated using only the peptides detected with a probability greater than 95 %.

Three excised bands (A-C) are shown in Figure 1A.