

Table S5. The list of proteins detected from phagosomes in both our previous [superscript 1] and present studies.

ID number		Function
Rab, Vesicular trafficking, other small GTPase, and effectors		
EHI_108610	XP_651336	Rab1
EHI_026420	XP_655377	Rab5
EHI_192810	XP_649196	Rab7A
EHI_081330	XP_656820	Rab7B
EHI_082070	XP_651915	Rab7D
EHI_199820	XP_653051	Rab8
EHI_107250	XP_652776	Rab11B
EHI_161030	XP_649609	Rab11C
EHI_153690	XP_656355	RabC1
EHI_143650	XP_652352	RabC3
EHI_105270	XP_653938	Receptor mediated endocytosis protein 1
EHI_072110	XP_653455	Ras guanine nucleotide exchange factor
EHI_058090	XP_651163	Rap2
EHI_021410	XP_650755	Syntaxin16
Hydrolytic enzymes		
EHI_074180	XP_650156	Cysteine protease A1
EHI_033710	XP_650642	Cysteine protease A2
EHI_050570	XP_656602	Cysteine protease A4
EHI_168240	XP_650937	Cysteine protease A5
EHI_152220	XP_655800	Cysteine protease C4
EHI_127030	XP_651553	Cysteine protease C6
EHI_054530	XP_652089	Serine protease
EHI_200230	XP_655394	Surface protease
EHI_138460	XP_655128	Papain family cysteine protease domain containing protein
EHI_199110	XP_653294	Lysozyme 1
EHI_096570	XP_656933	Lysozyme 2
EHI_007330	XP_650273	β -Hexosaminidase B
EHI_023360	XP_655636	α -Amylase
EHI_069560	XP_650881	Glucosidase II beta subunit-like protein
EHI_146950	XP_649718	Acid phosphatase
EHI_136440	XP_655222	Dipeptidyl aminopeptidase
EHI_039860	XP_651963	Acid phosphatase
EHI_136400	XP_655259	Phospholipase A2
EHI_097630	XP_649424	Phospholipase B
EHI_118820	XP_654113	Phospholipase B
EHI_007930	XP_654368	β -galactosidase
EHI_010710	XP_653059	β -galactosidase
Cytoskeletal proteins		
EHI_159150	XP_656738	Actin
EHI_080740	XP_654303	Talin
EHI_181250	XP_652995	RacA
EHI_070730	XP_652693	RacC
EHI_129750	XP_651800	RacG
EHI_016130	XP_656416	Arp2/3 complex-activating protein rickA
Lectins and surface proteins		
EHI_096320	XP_656907	Mannose 6-phosphate receptor
EHI_100320	XP_651702	Multidrug resistant protein 2
EHI_012270	XP_656181	Gal/GalNAc lectin Hgl1
EHI_006980 / EHI_065330	XP_654447/ XP_652394	Gal/GalNAc lectin Ig1,2
EHI_035690 / EHI_148790	XP_656145/ XP_657460	Gal/GalNAc lectin Lgl1-5
EHI_015380	XP_654508	Immunodominant variable surface antigen
EHI_065710	XP_653647	Predicted wall-associated receptor kinase 4-like
Transporter proteins		
EHI_014030	XP_001913541	Nicotinamide nucleotide transhydrogenase
EHI_016480	XP_653525	Calcium transporting ATPase
EHI_169580	XP_650374	Nucleoside transporter
EHI_169900	XP_656001	Nucleoside transporter
EHI_131130	XP_655525	Multidrug resistance efflux transporter
EHI_006940	XP_654451	Drug/Metabolite Transporter (DMT) Superfamily
EHI_008120	XP_654389	Facilitated trehalose transporter Tret1-like
EHI_024530	XP_652282	Cysteine/glutathione ABC transporter membrane/ATP-binding protein
EHI_110000	XP_652195	Exportin-7

CPBFs		
EHI_164800	XP_655218	CPBF1
EHI_178470	XP_653036	CPBF6
EHI_059830	XP_652899	CPBF8
Other proteins		
EHI_096790	XP_655670	Copine
EHI_119950	XP_649932	Rsu-1
EHI_163260	XP_647967	Copine 1
EHI_125840	XP_656494	Cyclophilin
EHI_011210	XP_651869	Elongation factor 1
EHI_131000	XP_655512	Zinc finger protein
EHI_050520	XP_656607	Lipoyl synthase
Unknown function protein		
EHI_098510	XP_656027	No homolog in other organisms

1 Reprinted from (Okada M, Huston CD, Oue M, Mann BJ, Petri Jr. WA, Kita K, Nozaki T. 2006. Kinetics and strain variation of phagosome proteins of *Entamoeba histolytica* by proteomic analysis. *Mol. Biochem. Parasitol.* 145:171-183, 2006, with permission from Elsevier.).