

Table S3. The list of proteins detected from phagosomes in our previous study^[superscript 2], but not in this study.

Gen Bank ID	AmoebaDB gene ID	Function	HM-1 ¹	G3 ¹	0min ²	30min ²	60min ²	120min ²
XP_649503	EHI_135430	Clathrin coat assembly protein, putative	10.29	10.346	+	±	+	-
XP_650820	EHI_158230	Guanine nucleotide exchange factor	3.344	3.413	±	-	±	±
XP_650878	N/A	hypothetical protein	N/A	N/A	+	-	+	-
XP_651202	EHI_169280	Rab family GTPase	2.94	3.472	+	+	+	+
XP_651793	EHI_121880	protein kinase domain containing protein	8.484	8.501	±	-	±	-
XP_651987	EHI_078230	phenylalanyl-tRNA synthetase alpha subunit, putative	8.984	7.462	±	±	±	-
XP_652660	EHI_067220	Rho family GTPase	2.689	2.521	-	-	+	-
XP_652721	EHI_048580	hypothetical protein	11.316	11.483	±	±	±	-
XP_653593	EHI_045550	Rab family GTPase	6.471	6.636	-	-	+	-
XP_654042	EHI_137730	ubiquitin carboxyl-terminal hydrolase domain containing protein	3.165	2.934	±	-	±	-
XP_654364	EHI_054830	Plasma membrane calcium-transporting ATPase, putative	9.887	9.832	±	-	+	-
XP_654566	EHI_092140	vesicular transport protein Yip1, putative	9.051	9.086	+	-	±	-
XP_654571	EHI_092190	fatty acid elongase, putative	3.922	3.999	-	±	±	-
XP_654644	EHI_141850	hypothetical protein	7.319	7.112	-	±	±	-
XP_654829	EHI_010340	EhCP-C10	8.372	8.244	+	±	+	-
XP_655057	EHI_014140	hypothetical protein	4.293	4.135	±	-	±	-
XP_655179	EHI_083410	ubiquitin, putative	9.938	10.101	+	+	+	-
XP_655217	EHI_164810	Adapter-related protein complex 3 (AP-3) subunit, putative	9.697	9.613	±	±	±	-
XP_655299	EHI_069320	C2 domain containing protein	2.292	2.369	+	+	+	+
XP_655788	EHI_155540	hypothetical protein, conserved	5.967	6.006	-	±	±	-
XP_655822	EHI_150430	villidin, putative	8.001	8.066	-	±	±	±
XP_655896	EHI_012330	serine-threonine-isoleucine rich protein, putative	2.582	8.651	±	±	±	±
XP_655921	EHI_177510	Rab X17	5.565	4.551	±	±	+	±
XP_656184	EHI_012240	Rho family GTPase	10.231	10.26	±	-	+	-
XP_656406	EHI_153100	alpha-amylase, putative	8.237	8.168	±	-	±	-
XP_656436	EHI_186850	PIWI domain protein	3.451	3.401	+	+	+	+
XP_656762	EHI_068090	serine carboxypeptidase (S28) family protein	6.868	6.482	+	±	+	+
XP_656918	EHI_096420	LIM zinc finger domain containing protein	11.371	11.592	+	-	+	+
XP_657056	EHI_110440	hypothetical protein	3.972	3.974	-	-	±	±
XP_657106	EHI_009850	hypothetical protein	6.385	6.619	-	-	±	-
XP_657273	EHI_093970	hypothetical protein	8.66	8.25	+	+	+	+

¹ RMA Normalized Values (log base 2) data were extracted from amoebaDB(<http://amoebadb.org/amoeba/>)

² Proteins with the peptide coverage of >5%, 0.1–5%, or undetected at each time points are marked with "+", "±", "-", respectively from reference 32 in the (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 *histolytica* by proteomic analysis. Mol. Biochem. Parasitol. 145:171-183, 2006, with permission from Elsevier.))