

Table 3 Comparison of protein families in secretomes of three protist species having different lifestyles

PFam ID	<i>D. discoideum</i>	<i>P. infestans</i>	<i>T. cruzi</i>	PFam	Description
pfam11912	52	0	0	DUF3430	Protein of unknown function (DUF3430)
pfam09478	44	0	0	CBM49	Carbohydrate binding domain CBM49
pfam00112	16	8	23	Peptidase_C1	Papain family cysteine protease
pfam03265	9	1	0	DNase_II	Deoxyribonuclease II
pfam02221	8	0	0	E1_DerP2_DerF2	ML domain
pfam07691	8	2	0	PA14	PA14 domain
pfam04562	7	0	0	Dicty_spore_N	Dictyostelium spore coat protein
pfam04916	7	0	0	Phospholip_B	Phospholipase B
pfam10500	7	0	0	SR-25	Nuclear RNA-splicing-associated protein
pfam00144	6	0	0	Beta-lactamase	Beta-lactamase
pfam00383	6	0	2	dCMP_cyt_deam_1	Cytidine and deoxycytidylate deaminase
pfam00759	6	0	0	Glyco_hydro_9	Glycosyl hydrolase family 9
pfam05577	6	1	5	Peptidase_S28	Serine carboxypeptidase S28
pfam09286	6	0	0	Pro-kuma_activ	Pro-kumamolisin
pfam00964	0	39	0	Elicitin	Elicitin
pfam16810	0	36	0	RXLR	RXLR phytopathogen effector protein
pfam05630	0	24	0	NPP1	Necrosis inducing protein (NPP1)
pfam09461	0	22	0	PcF	Phytotoxin PcF protein
pfam00089	0	17	0	Trypsin	Trypsin
pfam16683	0	15	0	TGase_elicitor	Transglutaminase elicitor
pfam00188	3	14	0	CAP	Cysteine-rich secretory protein family
pfam00295	0	14	0	Glyco_hydro_28	Glycosyl hydrolases family 28
pfam03211	0	14	0	Pectate_lyase	Pectate lyase
pfam05642	0	12	1	Sporozoite_P67	Sporozoite P67 surface antigen
pfam13091	1	10	0	PLDc_2	PLD-like domain

Continuing Table 3

PFam ID	<i>D. discoideum</i>	<i>P. infestans</i>	<i>T. cruzi</i>	PFam	Description
pfam00588	0	8	1	SpoU_methylase	SpoU rRNA Methylase family
pfam16656	3	7	0	Pur_ac_phosph_N	Purple acid Phosphatase
pfam00050	0	7	0	Kazal_1	Kazal-type serine protease inhibitor domain
pfam00264	0	7	0	Tyrosinase	Common central domain of tyrosinase
pfam02055	0	7	0	Glyco_hydro_30	O-Glycosyl hydrolase family 30
pfam03639	0	7	0	Glyco_hydro_81	Glycosyl hydrolase family 81
pfam01565	3	6	0	FAD_binding_4	FAD binding domain
pfam04147	1	6	45	Nop14	Nop14-like family
pfam00194	0	6	0	Carb_anhydrase	Eukaryotic-type carbonic anhydrase
pfam01083	0	6	0	Cutinase	Cutinase
pfam01095	0	6	0	Pectinesterase	Pectinesterase
pfam01670	0	6	0	Glyco_hydro_12	Glycosyl hydrolase family 12
pfam01456	0	0	345	Mucin	Mucin-like glycoprotein
pfam13859	0	0	198	BNR_3	BNR repeat-like domain
pfam01457	1	0	102	Peptidase_M8	Leishmanolysin
pfam12517	0	0	90	DUF3720	Protein of unknown function (DUF3720)
pfam05086	0	0	57	Dicty_REP	Dictyostelium (Slime Mold) REP protein
pfam12446	0	0	50	DUF3682	Protein of unknown function (DUF3682)
pfam01762	0	1	41	Galactosyl_T	Galactosyltransferase
pfam01299	4	0	21	Lamp	Lysosome-associated membrane glycoprotein
pfam00183	1	0	18	HSP90	Hsp90 protein
pfam00069	0	1	15	Pkinase	Protein kinase domain
pfam00085	1	2	14	Thioredoxin	Thioredoxin
pfam00012	0	1	14	HSP70	Hsp70 protein
pfam01764	5	0	14	Lipase_3	Lipase (class 3)
pfam08553	0	0	13	VID27	VID27 cytoplasmic protein

Continuing Table 3

PFam ID	<i>D. discoideum</i>	<i>P. infestans</i>	<i>T. cruzi</i>	PFam	Description
pfam01532	2	1	12	Glyco_hydro_47	Glycosyl hydrolase family 47
pfam03388	0	0	11	Lectin_leg-like	Legume-like lectin family
pfam10479	0	0	11	FSA_C	Fragile site-associated protein C-terminus
pfam00175	0	0	10	NAD_binding_1	Oxidoreductase NAD-binding domain
pfam00106	1	0	9	adh_short	short chain dehydrogenase
pfam13458	0	0	9	Peripla_BP_6	Periplasmic binding protein
pfam00450	2	2	8	Peptidase_S10	Serine carboxypeptidase
pfam10446	0	1	8	DUF2457	Protein of unknown function (DUF2457)
pfam11052	0	0	8	Tr-sialidase_C	Trans-sialidase of Trypanosoma
pfam00226	1	4	7	DnaJ	DnaJ domain
pfam00262	0	0	7	Calreticulin	Calreticulin family
pfam02777	0	0	7	Sod_Fe_C	Iron/manganese superoxide dismutases
pfam00160	1	1	6	Pro_isomerase	Cyclophilin type peptidyl-prolyl
pfam00004	0	1	6	AAA	ATPase family associated with various cellular
pfam03985	0	0	6	Paf1	Paf1
pfam07999	0	0	6	RHSP	Retrotransposon hot spot protein
pfam13868	0	0	6	TPH	Trichohyalin-plectin-homology domain

The table only contains protein families having 6 or more members in a species. A complete list can be found as supplementary Table3