

Supplementary Table2. Alternative splicing in genes encoding different protein families

Pfam ID	Total	AS genes	%	Pfam	Pfam description
pfam00069	1747	701	40.1	Pkinase	Protein kinase domain
pfam07714	1327	551	41.5	Pkinase_Tyr	Protein tyrosine kinase
pfam13041	1024	256	25.0	PPR_2	PPR repeat family
pfam00067	617	114	18.5	p450	Cytochrome P450
pfam13639	545	166	30.5	zf-RING_2	Ring finger domain
pfam00249	524	124	23.7	Myb_DNA-binding	Myb-like DNA-binding domain
pfam00931	507	140	27.6	NB-ARC	NB-ARC domain
pfam00076	478	265	55.4	RRM_1	RNA recognition motif
pfam00847	386	67	17.4	AP2	AP2 domain
pfam00201	348	28	8.0	UDPGT	UDP-glucuronosyl and UDP-glucosyl transferase
pfam05970	298	27	9.1	PIF1	PIF1-like helicase
pfam14432	294	48	16.3	DYW_deaminase	DYW family of nucleic acid deaminases
pfam00010	285	121	42.5	HLH	Helix-loop-helix DNA-binding domain
pfam00141	283	46	16.3	peroxidase	Peroxidase
pfam00071	276	79	28.6	Ras	Ras family
pfam03171	265	58	21.9	2OG-FeII_Oxy	2OG-Fe(II) oxygenase superfamily
pfam02519	257	5	1.9	Auxin_inducible	Auxin responsive protein
pfam03106	254	83	32.7	WRKY	WRKY DNA -binding domain
pfam01582	250	103	41.2	TIR	TIR domain
pfam00481	242	124	51.2	PP2C	Protein phosphatase 2C
pfam00083	223	70	31.4	Sugar_tr	Sugar (and other) transporter
pfam02458	223	21	9.4	Transferase	Transferase family
pfam03514	222	36	16.2	GRAS	GRAS domain family
pfam00153	220	95	43.2	Mito_carr	Mitochondrial carrier protein
pfam00657	219	74	33.8	Lipase_GDSL	GDSL-like Lipase/Acylhydrolase
pfam01490	210	84	40.0	Aa_trans	Transmembrane amino acid transporter protein
pfam00004	208	105	50.5	AAA	ATPase family associated with various cellular
pfam02365	202	54	26.7	NAM	No apical meristem (NAM) protein
pfam08263	192	22	11.5	LRRNT_2	Leucine rich repeat N-terminal domain
pfam00225	187	123	65.8	Kinesin	Kinesin motor domain
pfam00226	185	68	36.8	DnaJ	DnaJ domain
pfam13839	185	53	28.6	PC-Esterase	GDSL/SGNH-like Acyl-Esterase family found
pfam00854	182	67	36.8	PTR2	POT family
pfam00561	180	86	47.8	Abhydrolase_1	alpha/beta hydrolase fold
pfam01095	179	19	10.6	Pectinesterase	Pectinesterase
pfam13499	175	36	20.6	EF-hand_7	EF-hand domain pair
pfam04937	164	48	29.3	DUF659	Protein of unknown function (DUF 659)
pfam00005	161	79	49.1	ABC_tran	ABC transporter
pfam00332	161	36	22.4	Glyco_hydro_17	Glycosyl hydrolases family 17
pfam00085	159	59	37.1	Thioredoxin	Thioredoxin
pfam04564	153	35	22.9	U-box	U-box domain
pfam12796	153	59	38.6	Ank_2	Ankyrin repeats (3 copies)
pfam00319	152	42	27.6	SRF-TF	SRF-type transcription factor (DNA-binding and
pfam00179	150	77	51.3	UQ_con	Ubiquitin-conjugating enzyme
pfam00270	149	86	57.7	DEAD	DEAD/DEAH box helicase
pfam00106	147	68	46.3	adh_short	short chain dehydrogenase
pfam00168	147	47	32.0	C2	C2 domain
pfam00230	147	28	19.0	MIP	Major intrinsic protein
pfam12776	145	32	22.1	Myb_DNA-bind_3	Myb/SANT-like DNA-binding domain
pfam01554	144	61	42.4	MatE	MatE

pfam14111	137	4	2.9	DUF4283	Domain of unknown function (DUF4283)
pfam00450	136	62	45.6	Peptidase_S10	Serine carboxypeptidase
pfam00112	135	17	12.6	Peptidase_C1	Papain family cysteine protease
pfam00295	135	46	34.1	Glyco_hydro_28	Glycosyl hydrolases family 28
pfam14543	134	40	29.9	TAXi_N	Xylanase inhibitor N-terminal
pfam00082	133	31	23.3	Peptidase_S8	Subtilase family
pfam03195	133	17	12.8	DUF260	Protein of unknown function DUF260
pfam00190	132	17	12.9	Cupin_1	Cupin
pfam00462	128	19	14.8	Glutaredoxin	Glutaredoxin
pfam00046	127	38	29.9	Homeobox	Homeobox domain
pfam03151	126	55	43.7	TPT	Triose-phosphate Transporter family
pfam01501	124	40	32.3	Glyco_transf_8	Glycosyl transferase family 8
pfam00722	123	19	15.4	Glyco_hydro_16	Glycosyl hydrolases family 16
pfam03140	123	17	13.8	DUF247	Plant protein of unknown function
pfam02701	122	17	13.9	zf-Dof	Dof domain
pfam03479	122	29	23.8	DUF296	Domain of unknown function (DUF296)
pfam13962	122	38	31.1	PGG	Domain of unknown function
pfam01370	120	47	39.2	Epimerase	NAD dependent epimerase/dehydratase family
pfam03000	120	40	33.3	NPH3	NPH3 family
pfam00403	119	38	31.9	HMA	Heavy-metal-associated domain
pfam01061	119	52	43.7	ABC2_membrane	ABC-2 type transporter
pfam13837	116	25	21.6	Myb_DNA-bind_4	Myb/SANT-like DNA-binding domain
pfam14226	116	35	30.2	DIOX_N	non-haem dioxygenase in morphine synthesis
pfam00501	115	50	43.5	AMP-binding	AMP-binding enzyme
pfam00139	114	2	1.8	Lectin_legB	Legume lectin domain
pfam03016	114	41	36.0	Exostosin	Exostosin family
pfam03634	113	20	17.7	TCP	TCP family transcription factor
pfam04535	113	34	30.1	DUF588	Domain of unknown function (DUF588)
pfam00892	112	45	40.2	EamA	EamA-like transporter family
pfam03141	110	55	50.0	Methyltransf_29	Putative
pfam00072	108	58	53.7	Response_reg	Response regulator receiver domain
pfam00400	108	62	57.4	WD40	WD domain
pfam00305	107	31	29.0	Lipoxygenase	Lipoxygenase
pfam02309	107	31	29.0	AUX_IAA	AUX/IAA family
pfam01764	105	39	37.1	Lipase_3	Lipase (class 3)
pfam14223	105	7	6.7	Retrotran_gag_2	gag-polyprotein of LTR copia-type
pfam10250	104	59	56.7	O-FucT	GDP-fucose protein O-fucosyltransferase
pfam10551	104	35	33.7	MULE	MULE transposase domain
pfam00012	101	23	22.8	HSP70	Hsp70 protein
pfam01357	100	16	16.0	Pollen_allerg_1	Pollen allergen
pfam00011	99	10	10.1	HSP20	Hsp20/alpha crystallin family
pfam13417	99	24	24.2	GST_N_3	Glutathione S-transferase
pfam14372	99	16	16.2	DUF4413	Domain of unknown function (DUF4413)
pfam00170	98	36	36.7	bZIP_1	bZIP transcription factor
pfam00504	97	16	16.5	Chloroa_b-bind	Chlorophyll A-B binding protein
pfam02362	97	42	43.3	B3	B3 DNA binding domain
pfam02536	96	17	17.7	mTERF	mTERF
pfam00650	95	58	61.1	CRAL_TRIO	CRAL/TRIO domain
pfam00808	95	24	25.3	CBFD_NFYB_HMF	Histone-like transcription factor
pfam00134	94	55	58.5	Cyclin_N	Cyclin
pfam00232	94	42	44.7	Glyco_hydro_1	Glycosyl hydrolase family 1
pfam00240	94	24	25.5	ubiquitin	Ubiquitin family

pfam03552	94	42	44.7	Cellulose_synt	Cellulose synthase
pfam00248	93	35	37.6	Aldo_ket_red	Aldo/keto reductase family
pfam02485	93	33	35.5	Branch	Core-2/I-Branching enzyme
pfam02298	92	4	4.3	Cu_bind_like	Plastocyanin-like domain
pfam03081	92	10	10.9	Exo70	Exo70 exocyst complex subunit
pfam00125	90	16	17.8	Histone	Core histone H2A/H2B/H3/H4
pfam00155	90	40	44.4	Aminotran_1_2	Aminotransferase class I and II
pfam13855	90	21	23.3	LRR_8	Leucine rich repeat
pfam14009	90	3	3.3	DUF4228	Domain of unknown function (DUF4228)
pfam00171	89	38	42.7	Aldedh	Aldehyde dehydrogenase family
pfam06203	88	38	43.2	CCT	CCT motif
pfam04043	87	1	1.1	PMEI	Plant invertase/pectin methylesterase inhibitor
pfam00891	86	11	12.8	Methyltransf_2	O-methyltransferase
pfam00160	84	45	53.6	Pro_isomerase	Cyclophilin type peptidyl-prolyl
pfam00118	83	31	37.3	Cpn60_TCP1	TCP-1/cpn60 chaperonin family
pfam00314	83	8	9.6	Thaumatn	Thaumatn family
pfam00320	83	19	22.9	GATA	GATA zinc finger
pfam04770	83	4	4.8	ZF-HD_dimer	ZF-HD protein dimerisation region
pfam07859	83	14	16.9	Abhydrolase_3	alpha/beta hydrolase fold
pfam09770	83	34	41.0	PAT1	Topoisomerase II-associated protein PAT1
pfam14214	82	3	3.7	Helitron_like_N	Helitron helicase-like domain at
pfam00447	79	18	22.8	HSF_DNA-bind	HSF-type DNA-binding
pfam01657	79	9	11.4	Stress-antifung	Salt stress response/antifungal
pfam13561	79	17	21.5	adh_short_C2	Enoyl-(Acyl carrier protein) reductase
pfam00197	78	2	2.6	Kunitz_legume	Trypsin and protease inhibitor
pfam00646	78	17	21.8	F-box	F-box domain
pfam00999	78	28	35.9	Na_H_Exchange	Sodium/hydrogen exchanger family
pfam01344	78	23	29.5	Kelch_1	Kelch motif
pfam14291	77	8	10.4	DUF4371	Domain of unknown function (DUF4371)
pfam14547	77	4	5.2	Hydrophob_seed	Hydrophobic seed protein
pfam07732	75	13	17.3	Cu-oxidase_3	Multicopper oxidase
pfam00407	74	4	5.4	Bet_v_1	Pathogenesis-related protein Bet v I family
pfam13359	74	4	5.4	DDE_Tnp_4	DDE superfamily endonuclease
pfam14541	74	3	4.1	TAXI_C	Xylanase inhibitor C-terminal
pfam00176	73	52	71.2	SNF2_N	SNF2 family N-terminal domain
pfam01565	73	12	16.4	FAD_binding_4	FAD binding domain
pfam07983	73	15	20.5	X8	X8 domain
pfam00443	72	50	69.4	UCH	Ubiquitin carboxyl-terminal hydrolase
pfam00582	72	16	22.2	Usp	Universal stress protein family
pfam03087	72	1	1.4	DUF241	Arabidopsis protein of unknown function
pfam07992	72	25	34.7	Pyr_redux_2	Pyridine nucleotide-disulphide
pfam13920	72	32	44.4	zf-C3HC4_3	Zinc finger
pfam00025	71	35	49.3	Arf	ADP-ribosylation factor family
pfam00227	71	18	25.4	Proteasome	Proteasome subunit
pfam02469	71	11	15.5	Fasciclin	Fasciclin domain
pfam03083	71	21	29.6	MtN3_slv	Sugar efflux transporter for intercellular
pfam13456	71	8	11.3	RVT_3	Reverse transcriptase-like
pfam14309	71	36	50.7	DUF4378	Domain of unknown function (DUF4378)
pfam00271	70	35	50.0	Helicase_C	Helicase conserved C-terminal domain
pfam01556	70	24	34.3	DnaJ_C	DnaJ C terminal domain
pfam00013	68	44	64.7	KH_1	KH domain
pfam03547	68	24	35.3	Mem_trans	Membrane transport protein

pfam00293	67	37	55.2	NUDIX	NUDIX domain
pfam00294	67	30	44.8	PfkB	pfkB family carbohydrate kinase
pfam00583	67	25	37.3	Acetyltransf_1	Acetyltransferase (GNAT) family
pfam03018	67	4	6.0	Dirigent	Dirigent-like protein
pfam06507	67	46	68.7	Auxin_resp	Auxin response factor
pfam00091	66	13	19.7	Tubulin	Tubulin/FtsZ family
pfam01486	66	34	51.5	K-box	K-box region
pfam00122	65	47	72.3	E1-E2_ATPase	E1-E2 ATPase
pfam00651	65	32	49.2	BTB	BTB/POZ domain
pfam14299	65	17	26.2	PP2	Phloem protein 2
pfam00664	64	37	57.8	ABC_membrane	ABC transporter transmembrane region
pfam02990	64	18	28.1	EMP70	Endomembrane protein 70
pfam07690	64	47	73.4	MFS_1	Major Facilitator Superfamily
pfam00009	62	26	41.9	GTP_EFTU	Elongation factor Tu GTP binding domain
pfam00022	62	36	58.1	Actin	Actin
pfam02453	62	26	41.9	Reticulon	Reticulon
pfam04570	62	17	27.4	zf-FLZ	zinc-finger of the FCS-type
pfam00759	61	10	16.4	Glyco_hydro_9	Glycosyl hydrolase family 9
pfam01852	61	28	45.9	START	START domain
pfam02704	61	11	18.0	GASA	Gibberellin regulated protein
pfam03168	61	9	14.8	LEA_2	Late embryogenesis abundant protein
pfam05553	61	2	3.3	DUF761	Cotton fibre expressed protein
pfam14368	61	9	14.8	LTP_2	Probable lipid transfer
pfam00078	60	27	45.0	RVT_1	Reverse transcriptase (RNA-dependent DNA
pfam01301	60	21	35.0	Glyco_hydro_35	Glycosyl hydrolases family 35
pfam03110	60	27	45.0	SBP	SBP domain
pfam07765	60	18	30.0	KIP1	KIP1-like protein
pfam12819	60	27	45.0	Malectin_like	Carbohydrate-binding protein of the ER
pfam16363	60	25	41.7	GDP_Man_Dehyd	GDP-mannose 4
pfam00254	59	34	57.6	FKBP_C	FKBP-type peptidyl-prolyl cis-trans isomerase
pfam02705	59	29	49.2	K_trans	K+ potassium transporter
pfam05701	59	15	25.4	WEMBL	Weak chloroplast movement under blue light
pfam06813	59	15	25.4	Nodulin-like	Nodulin-like
pfam00564	58	14	24.1	PB1	PB1 domain
pfam03763	58	24	41.4	Remorin_C	Remorin
pfam13912	58	3	5.2	zf-C2H2_6	C2H2-type zinc finger
pfam14215	58	30	51.7	bHLH-MYC_N	bHLH-MYC and R2R3-MYB transcription factors
pfam12937	57	24	42.1	F-box-like	F-box-like
pfam03181	56	7	12.5	BURP	BURP domain
pfam11955	56	13	23.2	PORR	Plant organelle RNA recognition domain
pfam01423	55	24	43.6	LSM	LSM domain
pfam03094	55	27	49.1	Mlo	Mlo family
pfam03134	55	20	36.4	TB2_DP1_HVA22	TB2/DP1
pfam04398	55	3	5.5	DUF538	Protein of unknown function
pfam04844	55	2	3.6	Ovate	Transcriptional repressor
pfam03767	54	10	18.5	Acid_phosphat_B	HAD superfamily
pfam04782	54	23	42.6	DUF632	Protein of unknown function (DUF632)
pfam00856	53	38	71.7	SET	SET domain
pfam01529	53	36	67.9	zf-DHHC	DHHC palmitoyltransferase
pfam02181	53	15	28.3	FH2	Formin Homology 2 Domain
pfam00173	52	19	36.5	Cyt-b5	Cytochrome b5-like Heme/Steroid binding domain
pfam00291	51	25	49.0	PALP	Pyridoxal-phosphate dependent enzyme

pfam00916	51	24	47.1	Sulfate_transp	Sulfate permease family
pfam01412	51	29	56.9	ArfGap	Putative GTPase activating protein for Arf
pfam01453	51	16	31.4	B_lectin	D-mannose binding lectin
pfam01593	51	25	49.0	Amino_oxidase	Flavin containing amine oxidoreductase
pfam07727	51	28	54.9	RVT_2	Reverse transcriptase (RNA-dependent DNA
pfam08240	51	18	35.3	ADH_N	Alcohol dehydrogenase GroES-like domain
pfam11744	51	8	15.7	ALMT	Aluminium activated malate transporter
pfam11926	51	14	27.5	DUF3444	Domain of unknown function (DUF3444)
pfam00300	50	30	60.0	His_Phos_1	Histidine phosphatase superfamily (branch
pfam07526	50	27	54.0	POX	Associated with HOX
pfam00241	49	5	10.2	Cofilin_ADF	Cofilin/tropomyosin-type actin-binding
pfam01504	49	20	40.8	PIP5K	Phosphatidylinositol-4-phosphate 5-Kinase
pfam03492	49	11	22.4	Methyltransf_7	SAM dependent carboxyl
pfam08392	49	2	4.1	FAE1_CUT1_RppA	FAE1/Type III polyketide synthase-like
pfam00107	48	19	39.6	ADH_zinc_N	Zinc-binding dehydrogenase
pfam00224	48	17	35.4	PK	Pyruvate kinase
pfam00234	48	8	16.7	Tryp_alpha_amyl	Protease inhibitor/seed storage/LTP
pfam00415	48	28	58.3	RCC1	Regulator of chromosome condensation (RCC1)
pfam01107	48	0	0.0	MP	Viral movement protein (MP)
pfam03169	48	19	39.6	OPT	OPT oligopeptide transporter protein
pfam03372	48	21	43.8	Exo_endo_phos	Endonuclease/Exonuclease/phosphatase
pfam13649	48	26	54.2	Methyltransf_25	Methyltransferase domain
pfam14144	48	29	60.4	DOG1	Seed dormancy control
pfam02466	47	17	36.2	Tim17	Tim17/Tim22/Tim23/Pmp24 family
pfam03759	47	18	38.3	PRONE	PRONE (Plant-specific Rop nucleotide exchanger)
pfam04525	47	12	25.5	LOR	LURP-one-related
pfam04576	47	19	40.4	Zein-binding	Zein-binding
pfam07059	47	23	48.9	DUF1336	Protein of unknown function (DUF1336)
pfam08372	47	11	23.4	PRT_C	Plant phosphoribosyltransferase C-terminal
pfam00191	46	12	26.1	Annexin	Annexin
pfam00439	46	25	54.3	Bromodomain	Bromodomain
pfam00566	46	33	71.7	RabGAP-TBC	Rab-GTPase-TBC domain
pfam00743	46	12	26.1	FMO-like	Flavin-binding monooxygenase-like
pfam02535	46	16	34.8	Zip	ZIP Zinc transporter
pfam03641	46	12	26.1	Lysine_decarbox	Possible lysine decarboxylase
pfam05368	46	10	21.7	NmrA	NmrA-like family
pfam05678	46	4	8.7	VQ	VQ motif
pfam07800	46	12	26.1	DUF1644	Protein of unknown function (DUF1644)
pfam08879	46	20	43.5	WRC	WRC
pfam17181	46	4	8.7	EPF	Epidermal patterning factor proteins
pfam00183	45	14	31.1	HSP90	Hsp90 protein
pfam00538	45	14	31.1	Linker_histone	linker histone H1 and H5 family
pfam03321	45	9	20.0	GH3	GH3 auxin-responsive promoter
pfam12146	45	22	48.9	Hydrolase_4	Serine aminopeptidase
pfam01167	44	20	45.5	Tub	Tub family
pfam01546	44	20	45.5	Peptidase_M20	Peptidase family M20/M25/M40
pfam00149	43	28	65.1	Metallophos	Calcineurin-like phosphoesterase
pfam00274	43	9	20.9	Glycolytic	Fructose-bisphosphate aldolase class-I
pfam00855	43	21	48.8	PWWP	PWWP domain
pfam01434	43	13	30.2	Peptidase_M41	Peptidase family M41
pfam01553	43	17	39.5	Acytransferase	Acytransferase
pfam01926	43	34	79.1	MMR_HSR1	50S ribosome-binding GTPase

pfam03208	43	7	16.3	PRA1	PRA1 family protein
pfam03358	43	6	14.0	FMN_red	NADPH-dependent FMN reductase
pfam03791	43	9	20.9	KNOX2	KNOX2 domain
pfam06749	43	12	27.9	DUF1218	Protein of unknown function (DUF1218)
pfam07651	43	10	23.3	ANTH	ANTH domain
pfam08241	43	15	34.9	Methyltransf_11	Methyltransferase domain
pfam08381	43	16	37.2	BRX	Transcription factor regulating root and shoot growth
pfam10536	43	15	34.9	PMD	Plant mobile domain
pfam12906	43	24	55.8	RINGv	RING-variant domain
pfam00544	42	6	14.3	Pec_lyase_C	Pectate lyase
pfam02373	42	24	57.1	JmjC	JmjC domain
pfam04720	42	10	23.8	PDDEXK_6	PDDEXK-like family of unknown function
pfam04852	42	6	14.3	DUF640	Protein of unknown function (DUF640)
pfam05212	42	22	52.4	DUF707	Protein of unknown function (DUF707)
pfam05903	42	16	38.1	Peptidase_C97	PPPDE putative peptidase domain
pfam00244	41	12	29.3	14-3-3	14-3-3 protein
pfam00704	41	5	12.2	Glyco_hydro_18	Glycosyl hydrolases family 18
pfam00860	41	28	68.3	Xan_ur_permease	Permease family
pfam01190	41	5	12.2	Pollen_Ole_e_I	Pollen proteins Ole e I like
pfam01459	41	11	26.8	Porin_3	Eukaryotic porin
pfam05910	41	2	4.9	DUF868	Plant protein of unknown function (DUF868)
pfam13520	41	14	34.1	AA_permease_2	Amino acid permease
pfam00454	40	12	30.0	PI3_PI4_kinase	Phosphatidylinositol 3- and 4-kinase
pfam00574	40	18	45.0	CLP_protease	Clp protease
pfam03108	40	7	17.5	DBD_Tnp_Mut	MuDR family transposase
pfam05003	40	14	35.0	DUF668	Protein of unknown function (DUF668)
pfam05699	40	9	22.5	Dimer_Tnp_hAT	hAT family C-terminal dimerisation
pfam10604	40	7	17.5	Polyketide_cyc2	Polyketide cyclase / dehydrase and
pfam13178	40	22	55.0	DUF4005	Protein of unknown function (DUF4005)
pfam00063	39	28	71.8	Myosin_head	Myosin head (motor domain)
pfam00202	39	14	35.9	Aminotran_3	Aminotransferase class-III
pfam01105	39	8	20.5	EMP24_GP25L	emp24/gp25L/p24 family/GOLD
pfam01263	39	16	41.0	Aldose_epim	Aldose 1-epimerase
pfam01399	39	23	59.0	PCI	PCI domain
pfam03407	39	18	46.2	Nucleotid_trans	Nucleotide-diphospho-sugar transferase
pfam04520	39	7	17.9	Senescence_reg	Senescence regulator
pfam04859	39	9	23.1	DUF641	Plant protein of unknown function (DUF641)
pfam06200	39	13	33.3	tify	tify domain
pfam12481	39	8	20.5	DUF3700	Aluminium induced protein
pfam13460	39	24	61.5	NAD_binding_10	NAD(P)H-binding
pfam16135	39	25	64.1	Jas	TPL-binding domain in jasmonate signalling
pfam16913	39	3	7.7	PUNUT	Purine nucleobase transmembrane transport
pfam00335	38	14	36.8	Tetraspanin	Tetraspanin family
pfam01602	38	27	71.1	Adaptin_N	Adaptin N terminal region
pfam03398	38	18	47.4	Ist1	Regulator of Vps4 activity in the MVB pathway
pfam04646	38	10	26.3	DUF604	Protein of unknown function
pfam04749	38	17	44.7	PLAC8	PLAC8 family
pfam12609	38	2	5.3	DUF3774	Wound-induced protein
pfam00632	37	19	51.4	HECT	HECT-domain (ubiquitin-transferase)
pfam01545	37	19	51.4	Cation_efflux	Cation efflux family
pfam02358	37	15	40.5	Trehalose_PPase	Trehalose-phosphatase
pfam05142	37	8	21.6	DUF702	Domain of unknown function (DUF702)

pfam00413	36	1	2.8	Peptidase_M10	Matrixin
pfam00642	36	21	58.3	zf-CCCH	Zinc finger C-x8-C-x5-C-x3-H type (and
pfam00888	36	14	38.9	Cullin	Cullin family
pfam01248	36	15	41.7	Ribosomal_L7Ae	Ribosomal protein
pfam01699	36	15	41.7	Na_Ca_ex	Sodium/calcium exchanger protein
pfam01762	36	24	66.7	Galactosyl_T	Galactosyltransferase
pfam01985	36	24	66.7	CRS1_YhbY	CRS1 / YhbY (CRM) domain
pfam02042	36	18	50.0	RWP-RK	RWP-RK domain
pfam02463	36	27	75.0	SMC_N	RecF/RecN/SMC N terminal domain
pfam03283	36	21	58.3	PAE	Pectinacetylerase
pfam07712	36	5	13.9	SURNod19	Stress up-regulated Nod 19
pfam07724	36	23	63.9	AAA_2	AAA domain (Cdc48 subfamily)
pfam14379	36	29	80.6	Myb_CC_LHEQLE	MYB-CC type transfactor
pfam00483	35	22	62.9	NTP_transferase	Nucleotidyl transferase
pfam00520	35	23	65.7	Ion_trans	Ion transport protein
pfam00628	35	20	57.1	PHD	PHD-finger
pfam00635	35	22	62.9	Motile_Sperm	MSP (Major sperm protein) domain
pfam01373	35	9	25.7	Glyco_hydro_14	Glycosyl hydrolase family 14
pfam01603	35	11	31.4	B56	Protein phosphatase 2A regulatory B subunit (B56
pfam01694	35	18	51.4	Rhomboid	Rhomboid family
pfam01789	35	16	45.7	PsbP	PsbP
pfam03101	35	12	34.3	FAR1	FAR1 DNA-binding domain
pfam03109	35	34	97.1	ABC1	ABC1 family
pfam04640	35	14	40.0	PLATZ	PLATZ transcription factor
pfam04674	35	2	5.7	Phi_1	Phosphate-induced protein 1 conserved region
pfam11250	35	2	5.7	FAF	Fantastic Four meristem regulator
pfam13445	35	7	20.0	zf-RING_UBOX	RING-type zinc-finger
pfam13921	35	13	37.1	Myb_DNA-bind_6	Myb-like DNA-binding domain
pfam14363	35	3	8.6	AAA_assoc	Domain associated at C-terminal with AAA
pfam01145	34	17	50.0	Band_7	SPFH domain / Band 7 family
pfam01237	34	24	70.6	Oxysterol_BP	Oxysterol-binding protein
pfam01388	34	14	41.2	ARID	ARID/BRIGHT DNA binding domain
pfam01754	34	8	23.5	zf-A20	A20-like zinc finger
pfam02364	34	17	50.0	Glucan_synthase	
pfam03080	34	17	50.0	DUF239	Domain of unknown function (DUF239)
pfam03936	34	12	35.3	Terpene_synth_C	Terpene synthase family
pfam05055	34	3	8.8	DUF677	Protein of unknown function (DUF677)
pfam05686	34	9	26.5	Glyco_transf_90	Glycosyl transferase family 90
pfam05739	34	13	38.2	SNARE	SNARE domain
pfam07839	34	5	14.7	CaM_binding	Plant calmodulin-binding domain
pfam00035	33	17	51.5	dsrm	Double-stranded RNA binding motif
pfam00111	33	7	21.2	Fer2	2Fe-2S iron-sulfur cluster binding domain
pfam00702	33	19	57.6	Hydrolase	haloacid dehalogenase-like hydrolase
pfam00903	33	17	51.5	Glyoxalase	Glyoxalase/Bleomycin resistance
pfam00957	33	12	36.4	Synaptobrevin	Synaptobrevin
pfam01150	33	16	48.5	GDA1_CD39	GDA1/CD39 (nucleoside phosphatase) family
pfam01398	33	20	60.6	JAB	JAB1/Mov34/MPN/PAD-1 ubiquitin protease
pfam02182	33	13	39.4	SAD_SRA	SAD/SRA domain
pfam02893	33	9	27.3	GRAM	GRAM domain
pfam04147	33	20	60.6	Nop14	Nop14-like family
pfam04755	33	19	57.6	PAP_fibrillin	PAP_fibrillin
pfam07002	33	23	69.7	Copine	Copine

pfam13966	33	2	6.1	zf-RVT	zinc-binding in reverse transcriptase
pfam00195	32	2	6.3	Chal_sti_synt_N	Chalcone and stilbene synthases
pfam00365	32	20	62.5	PFK	Phosphofructokinase
pfam00782	32	15	46.9	DSPc	Dual specificity phosphatase
pfam01161	32	9	28.1	PBP	Phosphatidylethanolamine-binding protein
pfam01221	32	4	12.5	Dynein_light	Dynein light chain type 1
pfam03357	32	17	53.1	Snf7	Snf7
pfam04116	32	11	34.4	FA_hydroxylase	Fatty acid hydroxylase superfamily
pfam05056	32	7	21.9	DUF674	Protein of unknown function (DUF674)
pfam05641	32	17	53.1	Agenet	Agenet domain
pfam05691	32	12	37.5	Raffinose_syn	Raffinose synthase or seed imbibition
pfam05911	32	18	56.3	FPP	Filament-like plant protein
pfam07731	32	10	31.3	Cu-oxidase_2	Multicopper oxidase
pfam07899	32	11	34.4	Frigida	Frigida-like protein
pfam16212	32	26	81.3	PhoLip_ATPase_C	Phospholipid-translocating P-type
pfam00150	31	9	29.0	Cellulase	Cellulase (glycosyl hydrolase family 5)
pfam01925	31	15	48.4	TauE	Sulfite exporter TauE/SafE
pfam02045	31	20	64.5	CBFB_NFYA	CCAAT-binding transcription factor
pfam02179	31	14	45.2	BAG	BAG domain
pfam03953	31	5	16.1	Tubulin_C	Tubulin C-terminal domain
pfam04833	31	8	25.8	COBRA	COBRA-like protein
pfam05498	31	0	0.0	RALF	Rapid ALKalinization Factor (RALF)
pfam05922	31	12	38.7	Inhibitor_I9	Peptidase inhibitor I9
pfam09335	31	18	58.1	SNARE_assoc	SNARE associated Golgi protein
pfam10358	31	20	64.5	NT-C2	N-terminal C2 in EEIG1 and EHBP1 proteins
pfam16845	31	6	19.4	SQAPI	Aspartic acid proteinase inhibitor
pfam00180	30	12	40.0	Iso_dh	Isocitrate/isopropylmalate dehydrogenase
pfam00251	30	17	56.7	Glyco_hydro_32N	Glycosyl hydrolases family 32
pfam00689	30	11	36.7	Cation_ATPase_C	Cation transporting ATPase
pfam01040	30	22	73.3	UbiA	UbiA prenyltransferase family
pfam01734	30	7	23.3	Patatin	Patatin-like phospholipase
pfam02798	30	3	10.0	GST_N	Glutathione S-transferase
pfam03031	30	13	43.3	NIF	NLI interacting factor-like phosphatase
pfam04669	30	0	0.0	Polysacc_synt_4	Polysaccharide biosynthesis
pfam08387	30	8	26.7	FBD	FBD
pfam11891	30	10	33.3	RETICULATA-like	Protein RETICULATA-related
pfam13833	30	8	26.7	EF-hand_8	EF-hand domain pair
pfam16499	30	10	33.3	Melibiose_2	Alpha galactosidase A
pfam00266	29	9	31.0	Aminotran_5	Aminotransferase class-V
pfam00464	29	15	51.7	SHMT	Serine hydroxymethyltransferase
pfam01217	29	9	31.0	Clat_adaptor_s	Clathrin adaptor complex small chain
pfam01564	29	12	41.4	Spermine_synt	Spermine/spermidine synthase
pfam02171	29	16	55.2	Piwi	Piwi domain
pfam02714	29	22	75.9	RSN1_7TM	Calcium-dependent channel
pfam04654	29	3	10.3	DUF599	Protein of unknown function
pfam05623	29	15	51.7	DUF789	Protein of unknown function (DUF789)
pfam05627	29	8	27.6	AvrRpt-cleavage	Cleavage site for pathogenic type III
pfam05938	29	0	0.0	Self-incomp_S1	Plant self-incompatibility protein S1
pfam07011	29	3	10.3	DUF1313	Protein of unknown function (DUF1313)
pfam07887	29	15	51.7	Calmodulin_bind	Calmodulin binding protein-like
pfam12165	29	13	44.8	Alfin	Alfin
pfam12357	29	15	51.7	PLD_C	Phospholipase D C terminal

pfam12899	29	10	34.5	Glyco_hydro_100	Alkaline and neutral invertase
pfam14244	29	1	3.4	Retrotran_gag_3	gag-polypeptide of LTR copia-type
pfam00394	28	12	42.9	Cu-oxidase	Multicopper oxidase
pfam00804	28	4	14.3	Syntaxin	Syntaxin
pfam00928	28	20	71.4	Adap_comp_sub	Adaptor complexes medium subunit family
pfam00929	28	15	53.6	RNase_T	Exonuclease
pfam01094	28	14	50.0	ANF_receptor	Receptor family ligand binding region
pfam01596	28	7	25.0	Methyltransf_3	O-methyltransferase
pfam02201	28	13	46.4	SWIB	SWIB/MDM2 domain
pfam02773	28	5	17.9	S-AdoMet_synt_C	S-adenosylmethionine synthetase
pfam03145	28	9	32.1	Sina	Seven in absentia protein family
pfam04408	28	21	75.0	HA2	Helicase associated domain (HA2)
pfam05653	28	14	50.0	Mg_trans_NIPA	Magnesium transporter NIPA
pfam06217	28	9	32.1	GAGA_bind	GAGA binding protein-like family
pfam06886	28	24	85.7	TPX2	Targeting protein for Xklp2 (TPX2)
pfam07911	28	3	10.7	DUF1677	Protein of unknown function (DUF1677)
pfam16561	28	20	71.4	AMPK1_CBM	Glycogen recognition site of AMP-activated
pfam00027	27	12	44.4	cNMP_binding	Cyclic nucleotide-binding domain
pfam00060	27	9	33.3	Lig_chan	Ligand-gated ion channel
pfam00282	27	9	33.3	Pyridoxal_deC	Pyridoxal-dependent decarboxylase
pfam00334	27	6	22.2	NDK	Nucleoside diphosphate kinase
pfam00406	27	10	37.0	ADK	Adenylate kinase
pfam00581	27	16	59.3	Rhodanese	Rhodanese-like domain
pfam00982	27	16	59.3	Glyco_transf_20	Glycosyltransferase family 20
pfam01823	27	19	70.4	MACPF	MAC/Perforin domain
pfam01915	27	9	33.3	Glyco_hydro_3_C	Glycosyl hydrolase family 3 C-terminal
pfam05687	27	5	18.5	BES1_N	BES1/BZR1 plant transcription factor
pfam07847	27	14	51.9	PCO_ADO	PCO_ADO
pfam14476	27	1	3.7	Chloroplast_duf	Petal formation-expressed
pfam17177	27	8	29.6	PPR_long	Pentacotriptide-repeat region of PROPR
pfam00311	26	10	38.5	PEPcase	Phosphoenolpyruvate carboxylase
pfam00326	26	12	46.2	Peptidase_S9	Prolyl oligopeptidase family
pfam00412	26	11	42.3	LIM	LIM domain
pfam00534	26	17	65.4	Glycos_transf_1	Glycosyl transferases group 1
pfam00696	26	19	73.1	AA_kinase	Amino acid kinase family
pfam02136	26	14	53.8	NTF2	Nuclear transport factor 2 (NTF2) domain
pfam04258	26	18	69.2	Peptidase_A22B	Signal peptide peptidase
pfam04873	26	3	11.5	EIN3	Ethylene insensitive 3
pfam05542	26	14	53.8	DUF760	Protein of unknown function (DUF760)
pfam06101	26	6	23.1	DUF946	Plant protein of unknown function (DUF946)
pfam08449	26	8	30.8	UAA	UAA transporter family
pfam10607	26	12	46.2	CLTH	CTLH/CRA C-terminal to LisH motif domain
pfam13424	26	14	53.8	TPR_12	Tetratricopeptide repeat
pfam16891	26	10	38.5	STPPase_N	Serine-threonine protein phosphatase
pfam00097	25	18	72.0	zf-C3HC4	Zinc finger
pfam00117	25	7	28.0	GATase	Glutamine amidotransferase class-I
pfam00188	25	0	0.0	CAP	Cysteine-rich secretory protein family
pfam00194	25	3	12.0	Carb_anhydrase	Eukaryotic-type carbonic anhydrase
pfam00338	25	5	20.0	Ribosomal_S10	Ribosomal protein S10p/S20e
pfam00505	25	12	48.0	HMG_box	HMG (high mobility group) box
pfam00571	25	18	72.0	CBS	CBS domain
pfam00719	25	11	44.0	Pyrophosphatase	Inorganic pyrophosphatase

pfam00828	25	5	20.0	Ribosomal_L27A	Ribosomal proteins 50S-L15
pfam01031	25	10	40.0	Dynamamin_M	Dynamamin central region
pfam01569	25	9	36.0	PAP2	PAP2 superfamily
pfam02826	25	8	32.0	2-Hacid_dh_C	D-isomer specific 2-hydroxyacid
pfam03188	25	8	32.0	Cytochrom_B561	Eukaryotic cytochrome b561
pfam04484	25	12	48.0	DUF566	Family of unknown function (DUF566)
pfam04690	25	11	44.0	YABBY	YABBY protein
pfam04759	25	2	8.0	DUF617	Protein of unknown function
pfam13419	25	14	56.0	HAD_2	Haloacid dehalogenase-like hydrolase
pfam13640	25	20	80.0	2OG-FeII_Oxy_3	2OG-Fe(II) oxygenase superfamily
pfam16211	25	1	4.0	Histone_H2A_C	C-terminus of histone H2A
pfam00026	24	12	50.0	Asp	Eukaryotic aspartyl protease
pfam00156	24	12	50.0	Pribosyltran	Phosphoribosyl transferase domain
pfam00182	24	3	12.5	Glyco_hydro_19	Chitinase class I
pfam00255	24	10	41.7	GSHPx	Glutathione peroxidase
pfam00330	24	13	54.2	Aconitase	Aconitase family (aconitate hydratase)
pfam00383	24	14	58.3	dCMP_cyt_deam_1	Cytidine and deoxycytidylate deaminase
pfam00498	24	13	54.2	FHA	FHA domain
pfam00724	24	3	12.5	Oxidored_FMN	NADH:flavin oxidoreductase / NADH oxidase
pfam00810	24	7	29.2	ER_lumen_recept	ER lumen protein retaining receptor
pfam01138	24	19	79.2	RNase_PH	3' exoribonuclease family
pfam01179	24	9	37.5	Cu_amine_oxid	Copper amine oxidase
pfam01253	24	9	37.5	SUI1	Translation initiation factor SUI1
pfam01988	24	3	12.5	VIT1	VIT family
pfam03949	24	11	45.8	Malic_M	Malic enzyme
pfam04117	24	11	45.8	Mpv17_PMP22	Mpv17 / PMP22 family
pfam04788	24	4	16.7	DUF620	Protein of unknown function (DUF620)
pfam07876	24	4	16.7	Dabb	Stress responsive A/B Barrel Domain
pfam09265	24	9	37.5	Cytokin-bind	Cytokinin dehydrogenase 1
pfam12023	24	1	4.2	DUF3511	Domain of unknown function (DUF3511)
pfam13602	24	6	25.0	ADH_zinc_N_2	Zinc-binding dehydrogenase
pfam13947	24	7	29.2	GUB_WAK_bind	Wall-associated receptor kinase
pfam16656	24	11	45.8	Pur_ac_phosph_N	Purple acid Phosphatase
pfam00056	23	4	17.4	Ldh_1_N	lactate/malate dehydrogenase
pfam00198	23	10	43.5	2-oxoacid_dh	2-oxoacid dehydrogenases acyltransferase
pfam00348	23	9	39.1	polyprenyl_synt	Polyprenyl synthetase
pfam00378	23	7	30.4	ECH_1	Enoyl-CoA hydratase/isomerase
pfam00542	23	3	13.0	Ribosomal_L12	Ribosomal protein L7/L12 C-terminal
pfam00620	23	7	30.4	RhoGAP	RhoGAP domain
pfam00682	23	10	43.5	HMGL-like	HMGL-like
pfam00850	23	18	78.3	Hist_deacetyl	Histone deacetylase domain
pfam00909	23	3	13.0	Ammonium_transp	Ammonium Transporter Family
pfam00923	23	5	21.7	TAL_FSA	Transaldolase/Fructose-6-phosphate aldolase
pfam01027	23	4	17.4	Bax1-I	Inhibitor of apoptosis-promoting Bax1
pfam01063	23	14	60.9	Aminotran_4	Amino-transferase class IV
pfam01201	23	0	0.0	Ribosomal_S8e	Ribosomal protein S8e
pfam01277	23	0	0.0	Oleosin	Oleosin
pfam01425	23	19	82.6	Amidase	Amidase
pfam01715	23	3	13.0	IPPT	IPP transferase
pfam02721	23	10	43.5	DUF223	Domain of unknown function DUF223
pfam03088	23	7	30.4	Str_synth	Strictosidine synthase
pfam03798	23	15	65.2	TRAM_LAG1_CLN8	TLC domain

pfam04193	23	10	43.5	PQ-loop	PQ loop repeat
pfam06454	23	12	52.2	DUF1084	Protein of unknown function (DUF1084)
pfam07227	23	14	60.9	PHD_Oberon	PHD - plant homeodomain finger protein
pfam07816	23	3	13.0	DUF1645	Protein of unknown function (DUF1645)
pfam08323	23	14	60.9	Glyco_transf_5	Starch synthase catalytic domain
pfam14159	23	8	34.8	CAAD	CAAD domains of cyanobacterial aminoacyl-tRNA
pfam14576	23	7	30.4	SEQ_N	Sieve element occlusion N-terminus
pfam00137	22	6	27.3	ATP-synt_C	ATP synthase subunit C
pfam00350	22	16	72.7	Dynamin_N	Dynamin family
pfam00411	22	5	22.7	Ribosomal_S11	Ribosomal protein S11
pfam00789	22	9	40.9	UBX	UBX domain
pfam00917	22	13	59.1	MATH	MATH domain
pfam01214	22	5	22.7	CK_II_beta	Casein kinase II regulatory subunit
pfam02338	22	18	81.8	OTU	OTU-like cysteine protease
pfam03055	22	5	22.7	RPE65	Retinal pigment epithelial membrane protein
pfam03105	22	8	36.4	SPX	SPX domain
pfam03468	22	13	59.1	XS	XS domain
pfam03619	22	16	72.7	Solute_trans_a	Organic solute transporter Ostalpha
pfam06697	22	2	9.1	DUF1191	Protein of unknown function (DUF1191)
pfam06814	22	6	27.3	Lung_7-TM_R	Lung seven transmembrane receptor
pfam12143	22	0	0.0	PPO1_KFDV	Protein of unknown function (DUF_B2219)
pfam12428	22	14	63.6	DUF3675	Protein of unknown function (DUF3675)
pfam14381	22	14	63.6	EDR1	Ethylene-responsive protein kinase Le-CTR1
pfam14389	22	20	90.9	Lzipper-MIP1	Leucine-zipper of ternary complex factor
pfam00347	21	5	23.8	Ribosomal_L6	Ribosomal protein L6
pfam00416	21	3	14.3	Ribosomal_S13	Ribosomal protein S13/S18
pfam00487	21	7	33.3	FA_desaturase	Fatty acid desaturase
pfam00503	21	14	66.7	G-alpha	G-protein alpha subunit
pfam00687	21	8	38.1	Ribosomal_L1	Ribosomal protein L1p/L10e family
pfam01426	21	12	57.1	BAH	BAH domain
pfam01566	21	10	47.6	Nramp	Natural resistance-associated macrophage protein
pfam01612	21	11	52.4	DNA_pol_A_exo1	3'-5' exonuclease
pfam02230	21	9	42.9	Abhydrolase_2	Phospholipase/Carboxylesterase
pfam02383	21	13	61.9	Syja_N	Sacl homology domain
pfam02450	21	10	47.6	LCAT	Lecithin:cholesterol acyltransferase
pfam02776	21	9	42.9	TPP_enzyme_N	Thiamine pyrophosphate enzyme
pfam02800	21	9	42.9	Gp_dh_C	Glyceraldehyde 3-phosphate dehydrogenase
pfam03124	21	11	52.4	EXS	EXS family
pfam03214	21	3	14.3	RGP	Reversibly glycosylated polypeptide
pfam03226	21	15	71.4	Yippee-Mis18	Yippee zinc-binding/DNA-binding /Mis18
pfam03248	21	6	28.6	Rer1	Rer1 family
pfam03311	21	11	52.4	Cornichon	Cornichon protein
pfam03352	21	7	33.3	Adenine_glyco	Methyladenine glycosylase
pfam03469	21	9	42.9	XH	XH domain
pfam03639	21	0	0.0	Glyco_hydro_81	Glycosyl hydrolase family 81
pfam03662	21	10	47.6	Glyco_hydro_79n	Glycosyl hydrolase family 79
pfam03909	21	7	33.3	BSD	BSD domain
pfam03999	21	17	81.0	MAP65_ASE1	Microtubule associated protein (MAP65/ASE1)
pfam04724	21	1	4.8	Glyco_transf_17	Glycosyltransferase family 17
pfam04864	21	4	19.0	Alliinase_C	Allinase
pfam05633	21	3	14.3	DUF793	Protein of unknown function (DUF793)
pfam05920	21	6	28.6	Homeobox_KN	Homeobox KN domain

pfam08613	21	4	19.0	Cyclin	Cyclin
pfam13087	21	14	66.7	AAA_12	AAA domain
pfam00113	20	6	30.0	Enolase_C	Enolase
pfam00238	20	5	25.0	Ribosomal_L14	Ribosomal protein L14p/L23e
pfam00252	20	6	30.0	Ribosomal_L16	Ribosomal protein L16p/L10e
pfam00428	20	9	45.0	Ribosomal_60s	60s Acidic ribosomal protein
pfam00485	20	11	55.0	PRK	Phosphoribulokinase / Uridine kinase family
pfam00493	20	16	80.0	MCM	MCM2/3/5 family
pfam00494	20	8	40.0	SQS_PSY	Squalene/phytoene synthase
pfam00550	20	7	35.0	PP-binding	Phosphopantetheine attachment site
pfam00995	20	7	35.0	Sec1	Sec1 family
pfam01369	20	13	65.0	Sec7	Sec7 domain
pfam01595	20	15	75.0	DUF21	Domain of unknown function DUF21
pfam01738	20	11	55.0	DLH	Dienelactone hydrolase family
pfam01849	20	6	30.0	NAC	NAC domain
pfam01920	20	8	40.0	Prefoldin_2	Prefoldin subunit
pfam02847	20	8	40.0	MA3	MA3 domain
pfam03096	20	9	45.0	Ndr	Ndr family
pfam03126	20	13	65.0	Plus-3	Plus-3 domain
pfam04146	20	18	90.0	YTH	YT521-B-like domain
pfam04678	20	5	25.0	MCU	Mitochondrial calcium uniporter
pfam04857	20	9	45.0	CAF1	CAF1 family ribonuclease
pfam05199	20	6	30.0	GMC_oxred_C	GMC oxidoreductase
pfam05383	20	13	65.0	La	La domain
pfam05664	20	7	35.0	DUF810	Plant family of unknown function (DUF810)
pfam05703	20	8	40.0	Auxin_canalis	Auxin canalisation
pfam05770	20	8	40.0	Ins134_P3_kin	Inositol 1
pfam06075	20	8	40.0	DUF936	Plant protein of unknown function (DUF936)
pfam07795	20	1	5.0	DUF1635	Protein of unknown function (DUF1635)
pfam08030	20	10	50.0	NAD_binding_6	Ferric reductase NAD binding domain
pfam13641	20	9	45.0	Glyco_tranf_2_3	Glycosyltransferase like family 2
pfam13881	20	8	40.0	Rad60-SLD_2	Ubiquitin-2 like Rad60 SUMO-like
pfam14008	20	10	50.0	Metallophos_C	Iron/zinc purple acid phosphatase-like
pfam17135	20	6	30.0	Ribosomal_L18	Ribosomal protein 60S L18 and 50S L18e
pfam00152	19	13	68.4	tRNA-synt_2	tRNA synthetases class II (D)
pfam00368	19	3	15.8	HMG-CoA_red	Hydroxymethylglutaryl-coenzyme A reductase
pfam00445	19	4	21.1	Ribonuclease_T2	Ribonuclease T2 family
pfam00459	19	10	52.6	Inositol_P	Inositol monophosphatase family
pfam00484	19	11	57.9	Pro_CA	Carbonic anhydrase
pfam00536	19	10	52.6	SAM_1	SAM domain (Sterile alpha motif)
pfam00573	19	5	26.3	Ribosomal_L4	Ribosomal protein L4/L1 family
pfam00656	19	6	31.6	Peptidase_C14	Caspase domain
pfam00665	19	8	42.1	rve	Integrase core domain
pfam00732	19	3	15.8	GMC_oxred_N	GMC oxidoreductase
pfam00939	19	7	36.8	Na_sulph_symp	Sodium:sulfate symporter transmembrane
pfam00955	19	8	42.1	HCO3_cotransp	HCO3- transporter family
pfam00956	19	8	42.1	NAP	Nucleosome assembly protein (NAP)
pfam01070	19	9	47.4	FMN_dh	FMN-dependent dehydrogenase
pfam01536	19	4	21.1	SAM_decarbox	Adenosylmethionine decarboxylase
pfam01585	19	11	57.9	G-patch	G-patch domain
pfam02902	19	13	68.4	Peptidase_C48	Ulp1 protease family
pfam03727	19	5	26.3	Hexokinase_2	Hexokinase

pfam04055	19	8	42.1	Radical_SAM	Radical SAM superfamily
pfam04765	19	13	68.4	DUF616	Protein of unknown function (DUF616)
pfam04832	19	4	21.1	SOUL	SOUL heme-binding protein
pfam04862	19	4	21.1	DUF642	Protein of unknown function (DUF642)
pfam05617	19	1	5.3	Prolamin_like	Prolamin-like
pfam06136	19	8	42.1	DUF966	Domain of unknown function (DUF966)
pfam07797	19	9	47.4	DUF1639	Protein of unknown function (DUF1639)
pfam07993	19	7	36.8	NAD_binding_4	Male sterility protein
pfam09258	19	4	21.1	Glyco_transf_64	Glycosyl transferase family 64 domain
pfam10294	19	15	78.9	Methyltransf_16	Lysine methyltransferase
pfam11523	19	3	15.8	DUF3223	Protein of unknown function (DUF3223)
pfam11820	19	1	5.3	DUF3339	Protein of unknown function (DUF3339)
pfam12043	19	12	63.2	DUF3527	Domain of unknown function (DUF3527)
pfam12352	19	7	36.8	V-SNARE_C	Snare region anchored in the vesicle
pfam14303	19	0	0.0	NAM-associated	No apical meristem-associated C-terminal
pfam17035	19	8	42.1	BET	Bromodomain extra-terminal - transcription
pfam00043	18	6	33.3	GST_C	Glutathione S-transferase
pfam00208	18	4	22.2	ELFV_dehydrog	Glutamate/Leucine/Phenylalanine/Valine
pfam00393	18	1	5.6	6PGD	6-phosphogluconate dehydrogenase
pfam00609	18	10	55.6	DAGK_acc	Diacylglycerol kinase accessory domain
pfam00654	18	11	61.1	Voltage_CLC	Voltage gated chloride channel
pfam00676	18	10	55.6	E1_dh	Dehydrogenase E1 component
pfam00686	18	4	22.2	CBM_20	Starch binding domain
pfam00790	18	9	50.0	VHS	VHS domain
pfam00996	18	5	27.8	GDI	GDP dissociation inhibitor
pfam01015	18	4	22.2	Ribosomal_S3Ae	Ribosomal S3Ae family
pfam01159	18	4	22.2	Ribosomal_L6e	Ribosomal protein L6e
pfam01280	18	2	11.1	Ribosomal_L19e	Ribosomal protein L19e
pfam01429	18	10	55.6	MBD	Methyl-CpG binding domain
pfam01650	18	10	55.6	Peptidase_C13	Peptidase C13 family
pfam01936	18	6	33.3	NYN	NYN domain
pfam03061	18	8	44.4	4HBT	Thioesterase superfamily
pfam03330	18	4	22.2	DPBB_1	Lytic transglycolase
pfam03441	18	6	33.3	FAD_binding_7	FAD binding domain of DNA photolyase
pfam04130	18	10	55.6	Spc97_Spc98	Spc97 / Spc98 family
pfam04727	18	10	55.6	ELMO_CED12	ELMO/CED-12 family
pfam04818	18	15	83.3	CTD_bind	RNA polymerase II-binding domain
pfam04884	18	15	83.3	DUF647	Vitamin B6 photo-protection and homeostasis
pfam04970	18	3	16.7	LRAT	Lecithin retinol acyltransferase
pfam05097	18	7	38.9	DUF688	Protein of unknown function (DUF688)
pfam05577	18	10	55.6	Peptidase_S28	Serine carboxypeptidase S28
pfam05634	18	8	44.4	APO_RNA-bind	APO RNA-binding
pfam06404	18	2	11.1	PSK	Phytosulfokine precursor protein (PSK)
pfam06974	18	2	11.1	DUF1298	Protein of unknown function (DUF1298)
pfam07279	18	3	16.7	DUF1442	Protein of unknown function (DUF1442)
pfam08498	18	2	11.1	Sterol_MT_C	Sterol methyltransferase C-terminal
pfam10539	18	12	66.7	Dev_Cell_Death	Development and cell death domain
pfam12767	18	4	22.2	SAGA-Tad1	Transcriptional regulator of RNA polII
pfam13410	18	6	33.3	GST_C_2	Glutathione S-transferase
pfam13532	18	9	50.0	2OG-FeII_Oxy_2	2OG-Fe(II) oxygenase superfamily
pfam15365	18	0	0.0	PNRC	Proline-rich nuclear receptor coactivator
pfam16906	18	0	0.0	Ribosomal_L26	Ribosomal proteins L26 eukaryotic

pfam00166	17	8	47.1	Cpn10	Chaperonin 10 Kd subunit
pfam00175	17	7	41.2	NAD_binding_1	Oxidoreductase NAD-binding domain
pfam00237	17	7	41.2	Ribosomal_L22	Ribosomal protein L22p/L17e
pfam00331	17	6	35.3	Glyco_hydro_10	Glycosyl hydrolase family 10
pfam00673	17	7	41.2	Ribosomal_L5_C	ribosomal L5P family C-terminus
pfam00887	17	9	52.9	ACBP	Acyl CoA binding protein
pfam00924	17	16	94.1	MS_channel	Mechanosensitive ion channel
pfam01055	17	8	47.1	Glyco_hydro_31	Glycosyl hydrolases family 31
pfam01246	17	7	41.2	Ribosomal_L24e	Ribosomal protein L24e
pfam01494	17	8	47.1	FAD_binding_3	FAD binding domain
pfam01643	17	5	29.4	Acyl-ACP_TE	Acyl-ACP thioesterase
pfam01717	17	4	23.5	Meth_synt_2	Cobalamin-independent synthase
pfam02115	17	5	29.4	Rho_GDI	RHO protein GDP dissociation inhibitor
pfam02724	17	3	17.6	CDC45	CDC45-like protein
pfam02866	17	3	17.6	Ldh_1_C	lactate/malate dehydrogenase
pfam02953	17	6	35.3	zf-Tim10_DDP	Tim10/DDP family zinc finger
pfam02991	17	12	70.6	Atg8	Autophagy protein Atg8 ubiquitin like
pfam03009	17	12	70.6	GDPD	Glycerophosphoryl diester phosphodiesterase
pfam03360	17	8	47.1	Glyco_transf_43	Glycosyltransferase family 43
pfam03947	17	2	11.8	Ribosomal_L2_C	Ribosomal Proteins L2
pfam04059	17	13	76.5	RRM_2	RNA recognition motif 2
pfam04515	17	8	47.1	Choline_transpo	Plasma-membrane choline transporter
pfam04819	17	3	17.6	DUF716	Family of unknown function (DUF716)
pfam05078	17	0	0.0	DUF679	Protein of unknown function (DUF679)
pfam05899	17	4	23.5	Cupin_3	Protein of unknown function (DUF861)
pfam07885	17	4	23.5	Ion_trans_2	Ion channel
pfam08711	17	14	82.4	Med26	TFIIS helical bundle-like domain
pfam10184	17	4	23.5	DUF2358	Uncharacterized conserved protein (DUF2358)
pfam10446	17	8	47.1	DUF2457	Protein of unknown function (DUF2457)
pfam13259	17	12	70.6	DUF4050	Protein of unknown function (DUF4050)
pfam13365	17	14	82.4	Trypsin_2	Trypsin-like peptidase domain
pfam13519	17	7	41.2	VWA_2	von Willebrand factor type A domain
pfam00203	16	2	12.5	Ribosomal_S19	Ribosomal protein S19
pfam00231	16	3	18.8	ATP-synt	ATP synthase
pfam00316	16	6	37.5	FBPase	Fructose-1-6-bisphosphatase
pfam00557	16	16	100.0	Peptidase_M24	Metallopeptidase family M24
pfam00644	16	3	18.8	PARP	Poly(ADP-ribose) polymerase catalytic domain
pfam00862	16	12	75.0	Sucrose_synt	Sucrose synthase
pfam00899	16	14	87.5	ThiF	ThiF family
pfam00933	16	11	68.8	Glyco_hydro_3	Glycosyl hydrolase family 3 N terminal
pfam01096	16	6	37.5	TFIIS_C	Transcription factor S-II (TFIIS)
pfam01417	16	10	62.5	ENTH	ENTH domain
pfam01716	16	1	6.3	MSP	Manganese-stabilizing protein / photosystem II
pfam01733	16	5	31.3	Nucleoside_tran	Nucleoside transporter
pfam01981	16	4	25.0	PTH2	Peptidyl-tRNA hydrolase PTH2
pfam02225	16	8	50.0	PA	PA domain
pfam02330	16	4	25.0	MAM33	Mitochondrial glycoprotein
pfam02779	16	6	37.5	Transket_pyr	Transketolase
pfam03092	16	9	56.3	BT1	BT1 family
pfam03721	16	3	18.8	UDPG_MGDP_dh_N	UDP-glucose/GDP-mannose dehydrogenase
pfam03810	16	13	81.3	IBN_N	Importin-beta N-terminal domain
pfam04091	16	0	0.0	Sec15	Exocyst complex subunit Sec15-like

pfam04504	16	0	0.0	DUF573	Protein of unknown function
pfam04526	16	4	25.0	DUF568	Protein of unknown function (DUF568)
pfam04827	16	0	0.0	Plant_tran	Plant transposon protein
pfam05057	16	14	87.5	DUF676	Putative serine esterase (DUF676)
pfam05180	16	3	18.8	zf-DNL	DNL zinc finger
pfam05705	16	6	37.5	DUF829	Eukaryotic protein of unknown function (DUF829)
pfam05755	16	1	6.3	REF	Rubber elongation factor protein (REF)
pfam05757	16	3	18.8	PsbQ	Oxygen evolving enhancer protein 3 (PsbQ)
pfam06045	16	5	31.3	Rhamnagal_lyase	Rhamnagalacturonate lyase family
pfam06232	16	5	31.3	ATS3	Embryo-specific protein 3
pfam06552	16	3	18.8	TOM20_plant	Plant specific mitochondrial import
pfam07250	16	1	6.3	Glyoxal_oxid_N	Glyoxal oxidase N-terminus
pfam07717	16	7	43.8	OB_NTP_bind	Oligonucleotide/oligosaccharide-binding
pfam08491	16	10	62.5	SE	Squalene epoxidase
pfam09713	16	9	56.3	A_thal_3526	Plant protein 1589 of unknown function
pfam11145	16	1	6.3	DUF2921	Protein of unknown function (DUF2921)
pfam11886	16	5	31.3	TOC159_MAD	Translocase of chloroplast 159/132
pfam14599	16	13	81.3	zinc_ribbon_6	Zinc-ribbon
pfam00235	15	3	20.0	Profilin	Profilin
pfam00262	15	9	60.0	Calreticulin	Calreticulin family
pfam00343	15	5	33.3	Phosphorylase	Carbohydrate phosphorylase
pfam00380	15	5	33.3	Ribosomal_S9	Ribosomal protein S9/S16
pfam00388	15	6	40.0	PI-PLC-X	Phosphatidylinositol-specific phospholipase C
pfam00410	15	7	46.7	Ribosomal_S8	Ribosomal protein S8
pfam00448	15	9	60.0	SRP54	SRP54-type protein
pfam00488	15	10	66.7	MutS_V	MutS domain V
pfam00827	15	2	13.3	Ribosomal_L15e	Ribosomal L15
pfam01112	15	6	40.0	Asparaginase_2	Asparaginase
pfam01466	15	6	40.0	Skp1	Skp1 family
pfam01474	15	0	0.0	DAHP_synth_2	Class-II DAHP synthetase family
pfam01597	15	1	6.7	GCV_H	Glycine cleavage H-protein
pfam01627	15	10	66.7	Hpt	Hpt domain
pfam01655	15	2	13.3	Ribosomal_L32e	Ribosomal protein L32
pfam01753	15	7	46.7	zf-MYND	MYND finger
pfam01873	15	6	40.0	eIF-5_eIF-2B	Domain found in IF2B/IF5
pfam02020	15	4	26.7	W2	eIF4-gamma/eIF5/eIF2-epsilon
pfam02738	15	4	26.7	Ald_Xan_dh_C2	Molybdopterin-binding domain of aldehyde
pfam02996	15	10	66.7	Prefoldin	Prefoldin subunit
pfam03006	15	8	53.3	HlyIII	Haemolysin-III related
pfam03348	15	9	60.0	Serinc	Serine incorporator (Serinc)
pfam03595	15	5	33.3	SLAC1	Voltage-dependent anion channel
pfam03650	15	6	40.0	MPC	Uncharacterized protein family (UPF0041)
pfam03874	15	4	26.7	RNA_pol_Rpb4	RNA polymerase Rpb4
pfam04083	15	10	66.7	Abhydro_lipase	Partial alpha/beta-hydrolase lipase
pfam04145	15	0	0.0	Ctr	Ctr copper transporter family
pfam04811	15	11	73.3	Sec23_trunk	Sec23/Sec24 trunk domain
pfam05637	15	3	20.0	Glyco_transf_34	galactosyl transferase GMA12/MNN10
pfam06273	15	1	6.7	eIF-4B	Plant specific eukaryotic initiation factor 4B
pfam06364	15	5	33.3	DUF1068	Protein of unknown function (DUF1068)
pfam06955	15	1	6.7	XET_C	Xyloglucan endo-transglycosylase (XET)
pfam07970	15	8	53.3	COPIIcoated_ERV	Endoplasmic reticulum vesicle
pfam08417	15	5	33.3	PaO	Pheophorbide a oxygenase

pfam08534	15	2	13.3	Redoxin	Redoxin
pfam08644	15	3	20.0	SPT16	FACT complex subunit (SPT16/CDC68)
pfam08718	15	9	60.0	GLTP	Glycolipid transfer protein (GLTP)
pfam10440	15	9	60.0	WIYLD	Ubiquitin-binding WIYLD domain
pfam11904	15	5	33.3	GPCR_chapero_1	GPCR-chaperone
pfam12056	15	6	40.0	DUF3537	Protein of unknown function (DUF3537)
pfam12678	15	6	40.0	zf-rbx1	RING-H2 zinc finger domain
pfam12697	15	9	60.0	Abhydrolase_6	Alpha/beta hydrolase family
pfam13347	15	3	20.0	MFS_2	MFS/sugar transport protein
pfam13812	15	3	20.0	PPR_3	Pentatricopeptide repeat domain
pfam14580	15	10	66.7	LRR_9	Leucine-rich repeat
pfam16076	15	6	40.0	Acyltransf_C	Acyltransferase C-terminus
pfam16113	15	9	60.0	ECH_2	Enoyl-CoA hydratase/isomerase
pfam00006	14	6	42.9	ATP-synt_ab	ATP synthase alpha/beta family
pfam00189	14	4	28.6	Ribosomal_S3_C	Ribosomal protein S3
pfam00285	14	6	42.9	Citrate_synt	Citrate synthase
pfam00389	14	8	57.1	2-Hacid_dh	D-isomer specific 2-hydroxyacid
pfam00425	14	6	42.9	Chorismate_bind	chorismate binding enzyme
pfam00572	14	5	35.7	Ribosomal_L13	Ribosomal protein L13
pfam01008	14	11	78.6	IF-2B	Initiation factor 2 subunit family
pfam01053	14	5	35.7	Cys_Met_Meta_PP	Cys/Met metabolism PLP-dependent
pfam01092	14	5	35.7	Ribosomal_S6e	Ribosomal protein S6e
pfam01165	14	3	21.4	Ribosomal_S21	Ribosomal protein S21
pfam01287	14	4	28.6	eIF-5a	Eukaryotic elongation factor 5A hypusine
pfam01293	14	5	35.7	PEPCK_ATP	Phosphoenolpyruvate carboxykinase
pfam01918	14	8	57.1	Alba	Alba
pfam01991	14	3	21.4	vATP-synt_E	ATP synthase (E/31 kDa) subunit
pfam02163	14	6	42.9	Peptidase_M50	Peptidase family M50
pfam02325	14	3	21.4	YGGT	YGGT family
pfam02416	14	4	28.6	MttA_Hcf106	mttA/Hcf106 family
pfam02544	14	4	28.6	Steroid_dh	3-oxo-5-alpha-steroid 4-dehydrogenase
pfam03162	14	4	28.6	Y_phosphatase2	Tyrosine phosphatase family
pfam03227	14	3	21.4	GILT	Gamma interferon inducible lysosomal thiol
pfam03242	14	1	7.1	LEA_3	Late embryogenesis abundant protein
pfam04099	14	5	35.7	Sybindin	Sybindin-like family
pfam04185	14	4	28.6	Phosphoesterase	Phosphoesterase family
pfam04885	14	0	0.0	Stig1	Stigma-specific protein
pfam04969	14	8	57.1	CS	CS domain
pfam05042	14	7	50.0	Caleosin	Caleosin related protein
pfam05147	14	4	28.6	LANC_like	Lanthionine synthetase C-like protein
pfam05340	14	0	0.0	DUF740	Protein of unknown function (DUF740)
pfam05347	14	4	28.6	Complex1_LYR	Complex 1 protein (LYR family)
pfam05512	14	2	14.3	AWPM-19	AWPM-19-like family
pfam05514	14	5	35.7	HR_lesion	HR-like lesion-inducing
pfam06127	14	3	21.4	DUF962	Protein of unknown function (DUF962)
pfam06426	14	4	28.6	SATase_N	Serine acetyltransferase
pfam06547	14	2	14.3	DUF1117	Protein of unknown function (DUF1117)
pfam06708	14	3	21.4	DUF1195	Protein of unknown function (DUF1195)
pfam06888	14	4	28.6	Put_Phosphatase	Putative Phosphatase
pfam06957	14	3	21.4	COPI_C	Coatomer (COPI) alpha subunit C-terminus
pfam07479	14	4	28.6	NAD_Gly3P_dh_C	NAD-dependent glycerol-3-phosphate
pfam07738	14	5	35.7	Sad1_UNC	Sad1 / UNC-like C-terminal

pfam10243	14	5	35.7	MIP-T3	Microtubule-binding protein MIP-T3
pfam12076	14	5	35.7	Wax2_C	WAX2 C-terminal domain
pfam12710	14	1	7.1	HAD	haloacid dehalogenase-like hydrolase
pfam13292	14	5	35.7	DXP_synthase_N	1-deoxy-D-xylulose-5-phosphate synthase
pfam13668	14	2	14.3	Ferritin_2	Ferritin-like domain
pfam13692	14	5	35.7	Glyco_trans_1_4	Glycosyl transferases group 1
pfam13943	14	4	28.6	WPP	WPP domain
pfam14416	14	2	14.3	PMR5N	PMR5 N terminal Domain
pfam00109	13	10	76.9	ketoacyl-synt	Beta-ketoacyl synthase
pfam00120	13	5	38.5	Gln-synt_C	Glutamine synthetase
pfam00133	13	8	61.5	tRNA-synt_1	tRNA synthetases class I (I
pfam00164	13	3	23.1	Ribosom_S12_S23	Ribosomal protein S12/S23
pfam00210	13	4	30.8	Ferritin	Ferritin-like domain
pfam00213	13	3	23.1	OSCP	ATP synthase delta (OSCP) subunit
pfam00288	13	11	84.6	GHMP_kinases_N	GHMP kinases N terminal domain
pfam00344	13	8	61.5	SecY	SecY translocase
pfam00575	13	10	76.9	S1	S1 RNA binding domain
pfam00578	13	5	38.5	AhpC-TSA	AhpC/TSA family
pfam00587	13	8	61.5	tRNA-synt_2b	tRNA synthetase class II core domain (G
pfam00675	13	6	46.2	Peptidase_M16	Insulinase (Peptidase family M16)
pfam00749	13	4	30.8	tRNA-synt_1c	tRNA synthetases class I (E and Q)
pfam00777	13	5	38.5	Glyco_transf_29	Glycosyltransferase family 29
pfam00831	13	3	23.1	Ribosomal_L29	Ribosomal L29 protein
pfam00861	13	4	30.8	Ribosomal_L18p	Ribosomal L18 of archaea
pfam00940	13	9	69.2	RNA_pol	DNA-dependent RNA polymerase
pfam00962	13	7	53.8	A_deaminase	Adenosine/AMP deaminase
pfam01073	13	6	46.2	3Beta_HSD	3-beta hydroxysteroid dehydrogenase/isomerase
pfam01103	13	9	69.2	Bac_surface_Ag	Surface antigen
pfam01158	13	3	23.1	Ribosomal_L36e	Ribosomal protein L36e
pfam01187	13	5	38.5	MIF	Macrophage migration inhibitory factor (MIF)
pfam01189	13	11	84.6	Methyltr_RsmB-F	16S rRNA methyltransferase RsmB/F
pfam01202	13	7	53.8	SKI	Shikimate kinase
pfam01416	13	12	92.3	PseudoU_synth_1	tRNA pseudouridine synthase
pfam01467	13	11	84.6	CTP_transf_like	Cytidylyltransferase-like
pfam01496	13	8	61.5	V_ATPase_I	V-type ATPase 116kDa subunit family
pfam01532	13	6	46.2	Glyco_hydro_47	Glycosyl hydrolase family 47
pfam01697	13	0	0.0	Glyco_transf_92	Glycosyltransferase family 92
pfam01776	13	4	30.8	Ribosomal_L22e	Ribosomal L22e protein family
pfam01979	13	12	92.3	Amidohydro_1	Amidohydrolase family
pfam02234	13	2	15.4	CDI	Cyclin-dependent kinase inhibitor
pfam02265	13	4	30.8	S1-P1_nuclease	S1/P1 Nuclease
pfam02516	13	3	23.1	STT3	Oligosaccharyl transferase STT3 subunit
pfam02775	13	3	23.1	TPP_enzyme_C	Thiamine pyrophosphate enzyme
pfam02882	13	4	30.8	THF_DHG_CYH_C	Tetrahydrofolate
pfam03030	13	9	69.2	H_PPase	Inorganic H ⁺ pyrophosphatase
pfam03079	13	1	7.7	ARD	ARD/ARD' family
pfam03143	13	4	30.8	GTP_EFTU_D3	Elongation factor Tu C-terminal domain
pfam03254	13	6	46.2	XG_FTase	Xyloglucan fucosyltransferase
pfam03635	13	4	30.8	Vps35	Vacuolar protein sorting-associated protein 35
pfam03735	13	9	69.2	ENT	ENT domain
pfam03859	13	12	92.3	CG-1	CG-1 domain
pfam04577	13	3	23.1	DUF563	Protein of unknown function (DUF563)

pfam04734	13	5	38.5	Ceramidase_alk	Neutral/alkaline non-lysosomal
pfam04791	13	9	69.2	LMBR1	LMBR1-like membrane protein
pfam04928	13	9	69.2	PAP_central	Poly(A) polymerase central domain
pfam05564	13	5	38.5	Auxin_repressed	Dormancy/auxin associated protein
pfam05605	13	5	38.5	zf-Di19	Drought induced 19 protein (Di19)
pfam06830	13	0	0.0	Root_cap	Root cap
pfam07534	13	11	84.6	TLD	TLD
pfam07986	13	5	38.5	TBCC	Tubulin binding cofactor C
pfam07990	13	11	84.6	NABP	Nucleic acid binding protein NABP
pfam08569	13	6	46.2	Mo25	Mo25-like
pfam08646	13	10	76.9	Rep_fac-A_C	Replication factor-A C terminal domain
pfam08670	13	11	84.6	MEKHLA	MEKHLA domain
pfam10160	13	5	38.5	Tmemb_40	Predicted membrane protein
pfam11960	13	3	23.1	DUF3474	Domain of unknown function (DUF3474)
pfam12490	13	8	61.5	BCAS3	Breast carcinoma amplified sequence 3
pfam13266	13	5	38.5	DUF4057	Protein of unknown function (DUF4057)
pfam13360	13	3	23.1	PQQ_2	PQQ-like domain
pfam13426	13	6	46.2	PAS_9	PAS domain
pfam13832	13	8	61.5	zf-HC5HC2H_2	PHD-zinc-finger like domain
pfam13905	13	5	38.5	Thioredoxin_8	Thioredoxin-like
pfam13923	13	7	53.8	zf-C3HC4_2	Zinc finger
pfam00101	12	2	16.7	RuBisCO_small	Ribulose bisphosphate carboxylase
pfam00121	12	4	33.3	TIM	Triosephosphate isomerase
pfam00221	12	4	33.3	Lyase_aromatic	Aromatic amino acid lyase
pfam00275	12	2	16.7	EPSP_synthase	EPSP synthase (3-phosphoshikimate)
pfam00280	12	2	16.7	potato_inhibit	Potato inhibitor I family
pfam00304	12	0	0.0	Gamma-thionin	Gamma-thionin family
pfam00307	12	10	83.3	CH	Calponin homology (CH) domain
pfam00313	12	2	16.7	CSD	'Cold-shock' DNA-binding domain
pfam00342	12	6	50.0	PGI	Phosphoglucose isomerase
pfam00355	12	3	25.0	Rieske	Rieske [2Fe-2S] domain
pfam00398	12	3	25.0	RrnaAD	Ribosomal RNA adenine dimethylase
pfam00466	12	2	16.7	Ribosomal_L10	Ribosomal protein L10
pfam00535	12	8	66.7	Glycos_transf_2	Glycosyl transferase family 2
pfam00639	12	4	33.3	Rotamase	PPIC-type PPIASE domain
pfam00658	12	8	66.7	PABP	Poly-adenylate binding protein
pfam00795	12	7	58.3	CN_hydrolase	Carbon-nitrogen hydrolase
pfam00849	12	10	83.3	PseudoU_synth_2	RNA pseudouridylylase synthase
pfam00883	12	3	25.0	Peptidase_M17	Cytosol aminopeptidase family
pfam01088	12	5	41.7	Peptidase_C12	Ubiquitin carboxyl-terminal hydrolase
pfam01151	12	0	0.0	ELO	GNS1/SUR4 family
pfam01198	12	4	33.3	Ribosomal_L31e	Ribosomal protein L31e
pfam01199	12	0	0.0	Ribosomal_L34e	Ribosomal protein L34e
pfam01255	12	3	25.0	Prenyltransf	Putative undecaprenyl diphosphate
pfam01439	12	1	8.3	Metallothio_2	Metallothionein
pfam01485	12	7	58.3	IBR	IBR domain
pfam01488	12	1	8.3	Shikimate_DH	Shikimate / quinate 5-dehydrogenase
pfam01544	12	10	83.3	CorA	CorA-like Mg ²⁺ transporter protein
pfam01583	12	5	41.7	APS_kinase	Adenylylsulphate kinase
pfam01946	12	0	0.0	Thi4	Thi4 family
pfam01965	12	2	16.7	DJ-1_Pfpl	DJ-1/Pfpl family
pfam02138	12	8	66.7	Beach	Beige/BEACH domain

pfam02190	12	4	33.3	LON_substr_bdg	ATP-dependent protease La (LON)
pfam02212	12	3	25.0	GED	Dynamin GTPase effector domain
pfam02441	12	2	16.7	Flavoprotein	Flavoprotein
pfam02681	12	6	50.0	DUF212	Divergent PAP2 family
pfam02777	12	6	50.0	Sod_Fe_C	Iron/manganese superoxide dismutases
pfam02781	12	9	75.0	G6PD_C	Glucose-6-phosphate dehydrogenase
pfam02992	12	4	33.3	Transposase_21	Transposase family tnp2
pfam03152	12	9	75.0	UFD1	Ubiquitin fusion degradation protein UFD1
pfam03154	12	5	41.7	Atrophin-1	Atrophin-1 family
pfam03381	12	8	66.7	CDC50	LEM3 (ligand-effect modulator 3) family / CDC50
pfam03446	12	3	25.0	NAD_binding_2	NAD binding domain of 6-phosphogluconate
pfam03464	12	4	33.3	eRF1_2	eRF1 domain 2
pfam03638	12	11	91.7	TCR	Tesmin/TSO1-like CXC domain
pfam03647	12	5	41.7	Tmemb_14	Transmembrane proteins 14C
pfam03754	12	0	0.0	DUF313	Domain of unknown function (DUF313)
pfam03876	12	5	41.7	SHS2_Rpb7-N	SHS2 domain found in N terminus of
pfam04144	12	8	66.7	SCAMP	SCAMP family
pfam05030	12	5	41.7	SSXT	SSXT protein (N-terminal region)
pfam05834	12	4	33.3	Lycopene_cycl	Lycopene cyclase protein
pfam05879	12	4	33.3	RHD3	Root hair defective 3 GTP-binding protein (RHD3)
pfam06026	12	1	8.3	Rib_5-P_isom_A	Ribose 5-phosphate isomerase A
pfam06972	12	10	83.3	DUF1296	Protein of unknown function (DUF1296)
pfam07107	12	0	0.0	WI12	Wound-induced protein WI12
pfam07744	12	6	50.0	SPOC	SPOC domain
pfam07821	12	4	33.3	Alpha-amyl_C2	Alpha-amylase C-terminal beta-sheet
pfam07994	12	3	25.0	NAD_binding_5	Myo-inositol-1-phosphate synthase
pfam08477	12	2	16.7	Roc	Ras of Complex
pfam08580	12	9	75.0	KAR9	Yeast cortical protein KAR9
pfam09353	12	8	66.7	DUF1995	Domain of unknown function (DUF1995)
pfam10373	12	7	58.3	EST1_DNA_bind	Est1 DNA/RNA binding domain
pfam12313	12	2	16.7	NPR1_like_C	NPR1/NIM1 like defense protein C terminal
pfam13177	12	8	66.7	DNA_pol3_delta2	DNA polymerase III
pfam13774	12	6	50.0	Longin	Regulated-SNARE-like domain
pfam13813	12	1	8.3	MBOAT_2	Membrane bound O-acyl transferase family
pfam13844	12	6	50.0	Glyco_transf_41	Glycosyl transferase family 41
pfam13868	12	11	91.7	TPH	Trichohyalin-plectin-homology domain
pfam14380	12	0	0.0	WAK_assoc	Wall-associated receptor kinase C-terminal
pfam14681	12	7	58.3	UPRTase	Uracil phosphoribosyltransferase
pfam15697	12	0	0.0	DUF4666	Domain of unknown function (DUF4666)
pfam16166	12	3	25.0	TIC20	Chloroplast import apparatus Tic20-like
pfam16719	12	7	58.3	SAWADEE	SAWADEE domain
pfam16884	12	3	25.0	ADH_N_2	N-terminal domain of oxidoreductase
pfam00108	11	7	63.6	Thiolase_N	Thiolase
pfam00145	11	10	90.9	DNA_methylase	C-5 cytosine-specific DNA methylase
pfam00297	11	5	45.5	Ribosomal_L3	Ribosomal protein L3
pfam00364	11	4	36.4	Biotin_lipoyl	Biotin-requiring enzyme
pfam00728	11	4	36.4	Glyco_hydro_20	Glycosyl hydrolase family 20
pfam00781	11	10	90.9	DAGK_cat	Diacylglycerol kinase catalytic domain
pfam00857	11	5	45.5	Isochorismatase	Isochorismatase family
pfam00875	11	1	9.1	DNA_photolyase	DNA photolyase
pfam00900	11	3	27.3	Ribosomal_S4e	Ribosomal family S4e
pfam00926	11	5	45.5	DHBP_synthase	

pfam01090	11	0	0.0	Ribosomal_S19e	Ribosomal protein S19e
pfam01156	11	6	54.5	IU_nuc_hydro	Inosine-uridine preferring nucleoside
pfam01182	11	2	18.2	Glucosamine_iso	Glucosamine-6-phosphate
pfam01200	11	2	18.2	Ribosomal_S28e	Ribosomal protein S28e
pfam01207	11	9	81.8	Dus	Dihydrouridine synthase (Dus)
pfam01282	11	3	27.3	Ribosomal_S24e	Ribosomal protein S24e
pfam01363	11	8	72.7	FYVE	FYVE zinc finger
pfam01428	11	1	9.1	zf-AN1	AN1-like Zinc finger
pfam01433	11	5	45.5	Peptidase_M1	Peptidase family M1
pfam01476	11	2	18.2	LysM	LysM domain
pfam01477	11	1	9.1	PLAT	PLAT/LH2 domain
pfam01507	11	4	36.4	PAPS_reduct	Phosphoadenosine phosphosulfate reductase
pfam01704	11	7	63.6	UDPGP	UTP--glucose-1-phosphate uridylyltransferase
pfam01749	11	7	63.6	IBB	Importin beta binding domain
pfam01775	11	1	9.1	Ribosomal_L18A	Ribosomal proteins
pfam01778	11	2	18.2	Ribosomal_L28e	Ribosomal L28e protein family
pfam01780	11	2	18.2	Ribosomal_L37ae	Ribosomal L37ae protein family
pfam01803	11	7	63.6	LIM_bind	LIM-domain binding protein
pfam01912	11	4	36.4	eIF-6	eIF-6 family
pfam02141	11	6	54.5	DENN	DENN (AEX-3) domain
pfam02431	11	2	18.2	Chalcone	Chalcone-flavanone isomerase
pfam02517	11	9	81.8	Abi	CAAX protease self-immunity
pfam02518	11	6	54.5	HATPase_c	Histidine kinase-
pfam02784	11	3	27.3	Orn_Arg_deC_N	Pyridoxal-dependent decarboxylase
pfam02797	11	0	0.0	Chal_sti_synt_C	Chalcone and stilbene synthases
pfam02984	11	4	36.4	Cyclin_C	Cyclin
pfam03178	11	4	36.4	CPSF_A	CPSF A subunit region
pfam03244	11	6	54.5	PSI_PsaH	Photosystem I reaction centre subunit VI
pfam03478	11	3	27.3	DUF295	Protein of unknown function (DUF295)
pfam03600	11	7	63.6	CitMHS	Citrate transporter
pfam03671	11	2	18.2	Ufm1	Ubiquitin fold modifier 1 protein
pfam03690	11	2	18.2	UPF0160	Uncharacterized protein family (UPF0160)
pfam03737	11	1	9.1	Methyltransf_6	Demethylmenaquinone methyltransferase
pfam03931	11	3	27.3	Skp1_POZ	Skp1 family
pfam03959	11	3	27.3	FSH1	Serine hydrolase (FSH1)
pfam04142	11	6	54.5	Nuc_sug_transp	Nucleotide-sugar transporter
pfam04427	11	11	100.0	Brix	Brix domain
pfam04542	11	9	81.8	Sigma70_r2	Sigma-70 region 2
pfam04909	11	3	27.3	Amidohydro_2	Amidohydrolase
pfam05221	11	2	18.2	AdoHcyase	S-adenosyl-L-homocysteine hydrolase
pfam05761	11	6	54.5	5_nucleotid	5' nucleotidase family
pfam06219	11	3	27.3	DUF1005	Protein of unknown function (DUF1005)
pfam06351	11	2	18.2	Allene_ox_cyc	Allene oxide cyclase
pfam06645	11	1	9.1	SPC12	Microsomal signal peptidase 12 kDa subunit
pfam06911	11	1	9.1	Senescence	Senescence-associated protein
pfam06943	11	8	72.7	zf-LSD1	LSD1 zinc finger
pfam07058	11	9	81.8	MAP70	Microtubule-associated protein 70
pfam07500	11	4	36.4	TFIIS_M	Transcription factor S-II (TFIIS)
pfam07524	11	4	36.4	Bromo_TP	Bromodomain associated
pfam07766	11	7	63.6	LETM1	LETM1-like protein
pfam07891	11	8	72.7	DUF1666	Protein of unknown function (DUF1666)
pfam07946	11	6	54.5	DUF1682	Protein of unknown function (DUF1682)

pfam08414	11	4	36.4	NADPH_Ox	Respiratory burst NADPH oxidase
pfam08553	11	2	18.2	VID27	VID27 cytoplasmic protein
pfam08571	11	5	45.5	Yos1	Yos1-like
pfam08660	11	3	27.3	Alg14	Oligosaccharide biosynthesis protein Alg14 like
pfam09177	11	8	72.7	Syntaxin-6_N	Syntaxin 6
pfam09229	11	4	36.4	Aha1_N	Activator of Hsp90 ATPase
pfam12174	11	4	36.4	RST	RCD1-SRO-TAF4 (RST) plant domain
pfam12214	11	6	54.5	TPX2_importin	Cell cycle regulated microtubule
pfam12315	11	10	90.9	DA1-like	Protein DA1
pfam12483	11	3	27.3	GIDE	E3 Ubiquitin ligase
pfam13193	11	3	27.3	AMP-binding_C	AMP-binding enzyme C-terminal domain
pfam13621	11	8	72.7	Cupin_8	Cupin-like domain
pfam14308	11	4	36.4	DnaJ-X	X-domain of DnaJ-containing
pfam14570	11	7	63.6	zf-RING_4	RING/Ubox like zinc-binding domain
pfam14577	11	5	45.5	SEO_C	Sieve element occlusion C-terminus
pfam15699	11	1	9.1	NPR1_interact	NPR1 interacting
pfam17144	11	4	36.4	Ribosomal_L5e	Ribosomal large subunit proteins 60S L5
pfam00154	10	7	70.0	RecA	recA bacterial DNA recombination protein
pfam00177	10	3	30.0	Ribosomal_S7	Ribosomal protein S7p/S5e
pfam00318	10	3	30.0	Ribosomal_S2	Ribosomal protein S2
pfam00366	10	3	30.0	Ribosomal_S17	Ribosomal protein S17
pfam00476	10	5	50.0	DNA_pol_A	DNA polymerase family A
pfam00579	10	7	70.0	tRNA-synt_1b	tRNA synthetases class I (W and Y)
pfam00636	10	7	70.0	Ribonuclease_3	Ribonuclease III domain
pfam00638	10	2	20.0	Ran_BP1	RanBP1 domain
pfam00733	10	7	70.0	Asn_synthase	Asparagine synthase
pfam00787	10	6	60.0	PX	PX domain
pfam00800	10	4	40.0	PDT	Prephenate dehydratase
pfam00832	10	1	10.0	Ribosomal_L39	Ribosomal L39 protein
pfam00833	10	0	0.0	Ribosomal_S17e	Ribosomal S17
pfam00867	10	9	90.0	XPG_I	XPG I-region
pfam00890	10	4	40.0	FAD_binding_2	FAD binding domain
pfam00970	10	1	10.0	FAD_binding_6	Oxidoreductase FAD-binding domain
pfam01048	10	4	40.0	PNP_UDP_1	Phosphorylase superfamily
pfam01086	10	2	20.0	Clathrin_lg_ch	Clathrin light chain
pfam01169	10	6	60.0	UPF0016	Uncharacterized protein family UPF0016
pfam01230	10	4	40.0	HIT	HIT domain
pfam01238	10	1	10.0	PMI_typel	Phosphomannose isomerase type I
pfam01250	10	3	30.0	Ribosomal_S6	Ribosomal protein S6
pfam01251	10	6	60.0	Ribosomal_S7e	Ribosomal protein S7e
pfam01327	10	3	30.0	Pep_deformylase	Polypeptide deformylase
pfam01411	10	5	50.0	tRNA-synt_2c	tRNA synthetases class II (A)
pfam01513	10	7	70.0	NAD_kinase	ATP-NAD kinase
pfam01633	10	8	80.0	Choline_kinase	Choline/ethanolamine kinase
pfam01667	10	3	30.0	Ribosomal_S27e	Ribosomal protein S27
pfam01798	10	8	80.0	Nop	snoRNA binding domain
pfam01956	10	4	40.0	DUF106	Integral membrane protein DUF106
pfam01975	10	7	70.0	SurE	Survival protein SurE
pfam02153	10	2	20.0	PDH	Prephenate dehydrogenase
pfam02209	10	7	70.0	VHP	Villin headpiece domain
pfam02229	10	4	40.0	PC4	Transcriptional Coactivator p15 (PC4)
pfam02451	10	2	20.0	Nodulin	Nodulin

pfam02854	10	9	90.0	MIF4G	MIF4G domain
pfam02887	10	0	0.0	PK_C	Pyruvate kinase
pfam02897	10	4	40.0	Peptidase_S9_N	Prolyl oligopeptidase
pfam03033	10	9	90.0	Glyco_transf_28	Glycosyltransferase family 28
pfam03219	10	1	10.0	TLC	TLC ATP/ADP transporter
pfam03364	10	7	70.0	Polyketide_cyc	Polyketide cyclase / dehydrase and lipid
pfam03462	10	9	90.0	PCRF	PCRF domain
pfam03644	10	4	40.0	Glyco_hydro_85	Glycosyl hydrolase family 85
pfam03822	10	2	20.0	NAF	NAF domain
pfam04078	10	3	30.0	Rcd1	Cell differentiation family
pfam04111	10	3	30.0	APG6	Autophagy protein Apg6
pfam04113	10	7	70.0	Gpi16	Gpi16 subunit
pfam04176	10	2	20.0	TIP41	TIP41-like family
pfam04573	10	3	30.0	SPC22	Signal peptidase subunit
pfam04601	10	1	10.0	DUF569	Domain of unknown function (DUF569)
pfam04628	10	4	40.0	Sedlin_N	Sedlin
pfam04842	10	8	80.0	DUF639	Plant protein of unknown function (DUF639)
pfam05153	10	5	50.0	MIOX	Myo-inositol oxygenase
pfam05278	10	5	50.0	PEARLI-4	Arabidopsis phospholipase-like protein (PEARLI)
pfam05622	10	7	70.0	HOOK	HOOK protein
pfam05694	10	3	30.0	SBP56	56kDa selenium binding protein (SBP56)
pfam05811	10	4	40.0	DUF842	Eukaryotic protein of unknown function (DUF842)
pfam06414	10	3	30.0	Zeta_toxin	Zeta toxin
pfam06999	10	8	80.0	Suc_Fer-like	Sucrase/ferredoxin-like
pfam07842	10	5	50.0	GFCF	GC-rich sequence DNA-binding factor-like protein
pfam07918	10	2	20.0	CAP160	CAP160 repeat
pfam08031	10	0	0.0	BBE	Berberine and berberine like
pfam08212	10	1	10.0	Lipocalin_2	Lipocalin-like domain
pfam08235	10	7	70.0	LNS2	LNS2 (Lipin/Ned1/Smp2)
pfam08276	10	0	0.0	PAN_2	PAN-like domain
pfam09366	10	6	60.0	DUF1997	Protein of unknown function (DUF1997)
pfam10950	10	2	20.0	Organ_specific	Organ specific protein
pfam11331	10	7	70.0	zinc_ribbon_12	Probable zinc-ribbon domain
pfam11833	10	5	50.0	CPP1-like	Protein CHAPERONE-LIKE PROTEIN OF POR1-like
pfam12265	10	8	80.0	CAF1C_H4-bd	Histone-binding protein RBBP4 or subunit
pfam12706	10	9	90.0	Lactamase_B_2	Beta-lactamase superfamily domain
pfam12752	10	6	60.0	SUZ	SUZ domain
pfam13243	10	7	70.0	SQHop_cyclase_C	Squalene-hopene cyclase C-terminal
pfam13302	10	1	10.0	Acetyltransf_3	Acetyltransferase (GNAT) domain
pfam13632	10	3	30.0	Glyco_trans_2_3	Glycosyl transferase family group 2
pfam13716	10	3	30.0	CRAL_TRIO_2	Divergent CRAL/TRIO domain
pfam13890	10	5	50.0	Rab3-GTPase_cat	Rab3 GTPase-activating protein
pfam13968	10	3	30.0	DUF4220	Domain of unknown function (DUF4220)
pfam14523	10	4	40.0	Syntaxin_2	Syntaxin-like protein
pfam14571	10	5	50.0	Di19_C	Stress-induced protein Di19
pfam14938	10	6	60.0	SNAP	Soluble NSF attachment protein
pfam15449	10	1	10.0	Retinal	Retinal protein
pfam16016	10	10	100.0	DUF4782	Domain of unknown function (DUF4782)
pfam16114	10	7	70.0	Citrate_bind	ATP citrate lyase citrate-binding
pfam16123	10	6	60.0	HAGH_C	Hydroxyacylglutathione hydrolase C-terminus
pfam16544	10	10	100.0	STAR_dimer	Homodimerisation region of STAR domain
pfam16983	10	0	0.0	MFS_MOT1	Molybdate transporter of MFS superfamily

pfam16994	10	7	70.0	Glyco_trans_4_5	Glycosyl-transferase family 4
pfam00042	9	1	11.1	Globin	Globin
pfam00124	9	0	0.0	Photo_RC	Photosynthetic reaction centre protein
pfam00162	9	5	55.6	PGK	Phosphoglycerate kinase
pfam00169	9	1	11.1	PH	PH domain
pfam00206	9	5	55.6	Lyase_1	Lyase
pfam00257	9	0	0.0	Dehydrin	Dehydrin
pfam00328	9	6	66.7	His_Phos_2	Histidine phosphatase superfamily (branch
pfam00333	9	0	0.0	Ribosomal_S5	Ribosomal protein S5
pfam00337	9	6	66.7	Gal-bind_lectin	Galactoside-binding lectin
pfam00346	9	0	0.0	Complex1_49kDa	Respiratory-chain NADH dehydrogenase
pfam00360	9	8	88.9	PHY	Phytochrome region
pfam00382	9	3	33.3	TFIIB	Transcription factor TFIIB repeat
pfam00436	9	4	44.4	SSB	Single-strand binding protein family
pfam00584	9	3	33.3	SecE	SecE/Sec61-gamma subunits of protein
pfam00588	9	5	55.6	SpoU_methylase	SpoU rRNA Methylase family
pfam00622	9	5	55.6	SPRY	SPRY domain
pfam00625	9	5	55.6	Guanylate_kin	Guanylate kinase
pfam00679	9	3	33.3	EFG_C	Elongation factor G C-terminus
pfam00685	9	0	0.0	Sulfotransfer_1	Sulfotransferase domain
pfam00717	9	6	66.7	Peptidase_S24	Peptidase S24-like
pfam00730	9	3	33.3	HhH-GPD	HhH-GPD superfamily base excision DNA repair
pfam00762	9	6	66.7	Ferrochelatase	Ferrochelatase
pfam00954	9	4	44.4	S_locus_glycop	S-locus glycoprotein domain
pfam00967	9	1	11.1	Barwin	Barwin family
pfam01176	9	2	22.2	eIF-1a	Translation initiation factor 1A / IF-1
pfam01195	9	5	55.6	Pept_tRNA_hydro	Peptidyl-tRNA hydrolase
pfam01208	9	4	44.4	URO-D	Uroporphyrinogen decarboxylase (URO-D)
pfam01266	9	5	55.6	DAO	FAD dependent oxidoreductase
pfam01269	9	3	33.3	Fibrillarin	Fibrillarin
pfam01329	9	5	55.6	Pterin_4a	Pterin 4 alpha carbinolamine dehydratase
pfam01397	9	7	77.8	Terpene_synth	Terpene synthase
pfam01419	9	3	33.3	Jacalin	Jacalin-like lectin domain
pfam01458	9	1	11.1	UPF0051	Uncharacterized protein family (UPF0051)
pfam01571	9	6	66.7	GCV_T	Aminomethyltransferase folate-binding domain
pfam01625	9	4	44.4	PMSR	Peptide methionine sulfoxide reductase
pfam01645	9	7	77.8	Glu_synthase	Conserved region in glutamate synthase
pfam01722	9	2	22.2	BolA	BolA-like protein
pfam01777	9	4	44.4	Ribosomal_L27e	Ribosomal L27e protein family
pfam01937	9	5	55.6	DUF89	Protein of unknown function DUF89
pfam02167	9	4	44.4	Cytochrom_C1	Cytochrome C1 family
pfam02213	9	7	77.8	GYF	GYF domain
pfam02319	9	5	55.6	E2F_TDP	E2F/DP family winged-helix DNA-binding
pfam02780	9	1	11.1	Transketolase_C	Transketolase
pfam02782	9	4	44.4	FGGY_C	FGGY family of carbohydrate kinases
pfam02786	9	6	66.7	CPSase_L_D2	Carbamoyl-phosphate synthase L chain
pfam02966	9	2	22.2	DIM1	Mitosis protein DIM1
pfam03040	9	2	22.2	CemA	CemA family
pfam03059	9	0	0.0	NAS	Nicotianamine synthase protein
pfam03062	9	7	77.8	MBOAT	MBOAT
pfam03097	9	7	77.8	BRO1	BRO1-like domain
pfam03405	9	2	22.2	FA_desaturase_2	Fatty acid desaturase

pfam03942	9	3	33.3	DTW	DTW domain
pfam04051	9	5	55.6	TRAPP	Transport protein particle (TRAPP) component
pfam04134	9	4	44.4	DUF393	Protein of unknown function
pfam04178	9	8	88.9	Got1	Got1/Sft2-like family
pfam04199	9	5	55.6	Cyclase	Putative cyclase
pfam04278	9	3	33.3	Tic22	Tic22-like family
pfam04483	9	5	55.6	DUF565	Protein of unknown function (DUF565)
pfam04502	9	2	22.2	DUF572	Family of unknown function (DUF572)
pfam04548	9	5	55.6	AIG1	AIG1 family
pfam04658	9	3	33.3	TAFII55_N	TAFII55 protein conserved region
pfam04667	9	6	66.7	Endosulfine	cAMP-regulated phosphoprotein/endosulfine
pfam04774	9	4	44.4	HABP4_PA1-RBP1	Hyaluronan / mRNA binding family
pfam04900	9	6	66.7	Fcf1	Fcf1
pfam05183	9	7	77.8	RdRP	RNA dependent RNA polymerase
pfam05277	9	5	55.6	DUF726	Protein of unknown function (DUF726)
pfam05493	9	0	0.0	ATP_synt_H	ATP synthase subunit H
pfam05648	9	3	33.3	PEX11	Peroxisomal biogenesis factor 11 (PEX11)
pfam05695	9	0	0.0	DUF825	Plant protein of unknown function (DUF825)
pfam05742	9	2	22.2	TANGO2	Transport and Golgi organisation 2
pfam06047	9	0	0.0	SynMuv_product	Ras-induced vulval development
pfam06258	9	7	77.8	Mito_fiss_Elm1	Mitochondrial fission ELM1
pfam06964	9	3	33.3	Alpha-L-AF_C	Alpha-L-arabinofuranosidase C-terminal
pfam07123	9	0	0.0	PsbW	Photosystem II reaction centre W protein (PsbW)
pfam07496	9	7	77.8	zf-CW	CW-type Zinc Finger
pfam07896	9	1	11.1	DUF1674	Protein of unknown function (DUF1674)
pfam07910	9	3	33.3	Peptidase_C78	Peptidase family C78
pfam08137	9	0	0.0	DVL	DVL family
pfam08389	9	9	100.0	Xpo1	Exportin 1-like protein
pfam08423	9	6	66.7	Rad51	Rad51
pfam08519	9	2	22.2	RFC1	Replication factor RFC1 C terminal domain
pfam08590	9	9	100.0	DUF1771	Domain of unknown function (DUF1771)
pfam08627	9	5	55.6	CRT-like	CRT-like
pfam08700	9	5	55.6	Vps51	Vps51/Vps67
pfam10186	9	2	22.2	Atg14	Vacuolar sorting 38 and autophagy-related subunit
pfam11976	9	6	66.7	Rad60-SLD	Ubiquitin-2 like Rad60 SUMO-like
pfam12569	9	4	44.4	NARP1	NMDA receptor-regulated protein 1
pfam12579	9	8	88.9	DUF3755	Protein of unknown function (DUF3755)
pfam12638	9	2	22.2	Staygreen	Staygreen protein
pfam13906	9	3	33.3	AA_permease_C	C-terminus of AA_permease
pfam15054	9	2	22.2	DUF4535	Domain of unknown function (DUF4535)
pfam16121	9	0	0.0	40S_S4_C	40S ribosomal protein S4 C-terminus
pfam16312	9	4	44.4	Oberon_cc	Coiled-coil region of Oberon
pfam16421	9	6	66.7	E2F_CC-MB	E2F transcription factor CC-MB domain
pfam00044	8	4	50.0	Gp_dh_N	Glyceraldehyde 3-phosphate dehydrogenase
pfam00174	8	1	12.5	Oxidored_molyb	Oxidoreductase molybdopterin binding
pfam00199	8	2	25.0	Catalase	Catalase
pfam00349	8	6	75.0	Hexokinase_1	Hexokinase
pfam00352	8	6	75.0	TBP	Transcription factor TFIID (or TATA-binding
pfam00471	8	1	12.5	Ribosomal_L33	Ribosomal protein L33
pfam00477	8	1	12.5	LEA_5	Small hydrophilic plant seed protein
pfam00514	8	2	25.0	Arm	Armadillo/beta-catenin-like repeat
pfam00562	8	5	62.5	RNA_pol_Rpb2_6	RNA polymerase Rpb2

pfam00590	8	3	37.5	TP_methylase	Tetrapyrrole (Corrin/Porphyrin)
pfam00627	8	3	37.5	UBA	UBA/TS-N domain
pfam00694	8	0	0.0	Aconitase_C	Aconitase C-terminal domain
pfam00736	8	4	50.0	EF1_GNE	EF-1 guanine nucleotide exchange domain
pfam00742	8	2	25.0	Homoserine_dh	Homoserine dehydrogenase
pfam00806	8	2	25.0	PUF	Pumilio-family RNA binding repeat
pfam00834	8	4	50.0	Ribul_P_3_epim	Ribulose-phosphate 3 epimerase family
pfam00852	8	4	50.0	Glyco_transf_10	Glycosyltransferase family 10
pfam01025	8	6	75.0	GrpE	GrpE
pfam01042	8	3	37.5	Ribonuc_L-PSP	Endoribonuclease L-PSP
pfam01066	8	6	75.0	CDP-OH_P_transf	CDP-alcohol phosphatidyltransferase
pfam01074	8	5	62.5	Glyco_hydro_38	Glycosyl hydrolases family 38 N-terminal
pfam01115	8	2	25.0	F_actin_cap_B	F-actin capping protein
pfam01148	8	4	50.0	CTP_transf_1	Cytidylyltransferase family
pfam01213	8	2	25.0	CAP_N	Adenylate cyclase associated (CAP) N terminal
pfam01294	8	4	50.0	Ribosomal_L13e	Ribosomal protein L13e
pfam01380	8	1	12.5	SIS	SIS domain
pfam01408	8	3	37.5	GFO_IDH_MocA	Oxidoreductase family
pfam01479	8	5	62.5	S4	S4 domain
pfam01588	8	3	37.5	tRNA_bind	Putative tRNA binding domain
pfam01619	8	3	37.5	Pro_dh	Proline dehydrogenase
pfam01652	8	5	62.5	IF4E	Eukaryotic initiation factor 4E
pfam01663	8	2	25.0	Phosphodiect	Type I phosphodiesterase / nucleotide
pfam01728	8	6	75.0	FtsJ	FtsJ-like methyltransferase
pfam01740	8	1	12.5	STAS	STAS domain
pfam01781	8	1	12.5	Ribosomal_L38e	Ribosomal L38e protein family
pfam01786	8	5	62.5	AOX	Alternative oxidase
pfam01866	8	2	25.0	Diphthamide_syn	Putative diphthamide synthesis protein
pfam01929	8	2	25.0	Ribosomal_L14e	Ribosomal protein L14
pfam01974	8	2	25.0	tRNA_int_endo	tRNA intron endonuclease
pfam01997	8	3	37.5	Translin	Translin family
pfam02096	8	7	87.5	60KD_IMP	60Kd inner membrane protein
pfam02099	8	1	12.5	Josephin	Josephin
pfam02127	8	6	75.0	Peptidase_M18	Aminopeptidase I zinc metalloprotease
pfam02214	8	1	12.5	BTB_2	BTB/POZ domain
pfam02341	8	5	62.5	RcbX	RcbX protein
pfam02374	8	4	50.0	ArsA_ATPase	Anion-transporting ATPase
pfam02390	8	4	50.0	Methyltransf_4	Putative methyltransferase
pfam02391	8	2	25.0	MoaE	MoaE protein
pfam02574	8	4	50.0	S-methyl_trans	Homocysteine S-methyltransferase
pfam02582	8	2	25.0	DUF155	Uncharacterized ACR
pfam02666	8	3	37.5	PS_Dcarboxylase	Phosphatidylserine decarboxylase
pfam02670	8	0	0.0	DXP_reductoisom	1-deoxy-D-xylulose 5-phosphate
pfam02791	8	7	87.5	DDT	DDT domain
pfam02799	8	1	12.5	NMT_C	Myristoyl-CoA:protein N-myristoyltransferase
pfam02803	8	1	12.5	Thiolase_C	Thiolase
pfam02823	8	0	0.0	ATP-synt_DE_N	ATP synthase
pfam02922	8	5	62.5	CBM_48	Carbohydrate-binding module 48 (Isoamylase
pfam03004	8	7	87.5	Transposase_24	Plant transposase (Ptta/En/Spm family)
pfam03098	8	1	12.5	An_peroxidase	Animal haem peroxidase
pfam03099	8	3	37.5	BPL_LplA_LipB	Biotin/lipoate A/B protein ligase family
pfam03153	8	4	50.0	TFIIA	Transcription factor IIA

pfam03271	8	4	50.0	EB1	EB1-like C-terminal motif
pfam03297	8	2	25.0	Ribosomal_S25	S25 ribosomal protein
pfam03371	8	3	37.5	PRP38	PRP38 family
pfam03386	8	1	12.5	ENOD93	Early nodulin 93 ENOD93 protein
pfam03556	8	7	87.5	Cullin_binding	Cullin binding
pfam03587	8	3	37.5	EMG1	EMG1/NEP1 methyltransferase
pfam03629	8	1	12.5	SASA	Carbohydrate esterase
pfam03643	8	6	75.0	Vps26	Vacuolar protein sorting-associated protein 26
pfam03911	8	1	12.5	Sec61_beta	Sec61beta family
pfam04072	8	5	62.5	LCM	Leucine carboxyl methyltransferase
pfam04321	8	1	12.5	RmlD_sub_bind	RmlD substrate binding domain
pfam04389	8	6	75.0	Peptidase_M28	Peptidase family M28
pfam04437	8	3	37.5	RINT1_TIP1	RINT-1 / TIP-1 family
pfam04438	8	5	62.5	zf-HIT	HIT zinc finger
pfam04756	8	2	25.0	OST3_OST6	OST3 / OST6 family
pfam04949	8	3	37.5	Transcrip_act	Transcriptional activator
pfam05018	8	4	50.0	DUF667	Protein of unknown function (DUF667)
pfam05047	8	5	62.5	L51_S25_CI-B8	Mitochondrial ribosomal protein L51 /
pfam05063	8	5	62.5	MT-A70	MT-A70
pfam05184	8	2	25.0	SapB_1	Saposin-like type B
pfam05470	8	3	37.5	eIF-3c_N	Eukaryotic translation initiation factor 3
pfam05529	8	1	12.5	Bap31	B-cell receptor-associated protein 31-like
pfam05562	8	4	50.0	WCOR413	Cold acclimation protein WCOR413
pfam05608	8	3	37.5	DUF778	Protein of unknown function (DUF778)
pfam05758	8	0	0.0	Ycf1	Ycf1
pfam05904	8	5	62.5	DUF863	Plant protein of unknown function (DUF863)
pfam05915	8	5	62.5	DUF872	Eukaryotic protein of unknown function (DUF872)
pfam06017	8	2	25.0	Myosin_TH1	Unconventional myosin tail
pfam06733	8	8	100.0	DEAD_2	DEAD_2
pfam06775	8	2	25.0	Seipin	Putative adipose-regulatory protein (Seipin)
pfam06884	8	4	50.0	DUF1264	Protein of unknown function (DUF1264)
pfam06916	8	1	12.5	DUF1279	Protein of unknown function (DUF1279)
pfam06963	8	5	62.5	FPN1	Ferroportin1 (FPN1)
pfam07200	8	3	37.5	Mod_r	Modifier of rudimentary (Mod(r)) protein
pfam07223	8	5	62.5	DUF1421	Protein of unknown function (DUF1421)
pfam07516	8	1	12.5	SecA_SW	SecA Wing and Scaffold domain
pfam07939	8	1	12.5	DUF1685	Protein of unknown function (DUF1685)
pfam08022	8	3	37.5	FAD_binding_8	FAD-binding domain
pfam08154	8	4	50.0	NLE	NLE (NUC135) domain
pfam08536	8	7	87.5	Whirly	Whirly transcription factor
pfam08540	8	5	62.5	HMG_CoA_synt_C	Hydroxymethylglutaryl-coenzyme A
pfam08561	8	1	12.5	Ribosomal_L37	Mitochondrial ribosomal protein L37
pfam08572	8	3	37.5	PRP3	pre-mRNA processing factor 3 (PRP3)
pfam08648	8	4	50.0	DUF1777	Protein of unknown function (DUF1777)
pfam08766	8	6	75.0	DEK_C	DEK C terminal domain
pfam09273	8	7	87.5	Rubis-subs-bind	Rubisco LSMT substrate-binding
pfam10075	8	7	87.5	CSN8_PSD8_EIF3K	CSN8/PSMD8/EIF3K family
pfam10215	8	0	0.0	Ost4	Oligosaccaryltransferase
pfam10433	8	4	50.0	MMS1_N	Mono-functional DNA-alkylating methyl
pfam11721	8	7	87.5	Malectin	Di-glucose binding within endoplasmic
pfam11834	8	5	62.5	KHA	KHA
pfam11940	8	2	25.0	DUF3458	Domain of unknown function (DUF3458)

pfam12128	8	5	62.5	DUF3584	Protein of unknown function (DUF3584)
pfam12134	8	2	25.0	PRP8_domainIV	PRP8 domain IV core
pfam12166	8	3	37.5	Piezo_RRas_bdg	Piezo non-specific cation channel
pfam12230	8	4	50.0	PRP21_like_P	Pre-mRNA splicing factor PRP21 like
pfam12738	8	6	75.0	PTCB-BRCT	twin BRCT domain
pfam12848	8	4	50.0	ABC_tran_Xtn	ABC transporter
pfam12907	8	3	37.5	zf-met2	Zinc-binding
pfam13393	8	3	37.5	tRNA-synt_His	Histidyl-tRNA synthetase
pfam13418	8	7	87.5	Kelch_4	Galactose oxidase
pfam13589	8	8	100.0	HATPase_c_3	Histidine kinase-
pfam14604	8	8	100.0	SH3_9	Variant SH3 domain
pfam15613	8	6	75.0	WSD	Williams-Beuren syndrome DDT (WSD)
pfam15628	8	5	62.5	RRM_DME	RRM in Demeter
pfam15663	8	1	12.5	zf-CCCH_3	Zinc-finger containing family
pfam16596	8	5	62.5	MFMR_assoc	Disordered region downstream of MFMR
pfam16953	8	3	37.5	PRORP	Protein-only RNase P
pfam17136	8	4	50.0	ribosomal_L24	Ribosomal proteins 50S L24/mitochondrial
pfam00080	7	7	100.0	Sod_Cu	Copper/zinc superoxide dismutase (SODC)
pfam00265	7	4	57.1	TK	Thymidine kinase
pfam00278	7	1	14.3	Orn_DAP_Arg_deC	Pyridoxal-dependent decarboxylase
pfam00301	7	2	28.6	Rubredoxin	Rubredoxin
pfam00385	7	6	85.7	Chromo	Chromo (CHRromatin Organisation MOdifier)
pfam00472	7	4	57.1	RF-1	RF-1 domain
pfam00478	7	0	0.0	IMPDH	IMP dehydrogenase / GMP reductase domain
pfam00521	7	2	28.6	DNA_topoisolV	DNA gyrase/topoisomerase IV
pfam00549	7	4	57.1	Ligase_CoA	CoA-ligase
pfam00647	7	4	57.1	EF1G	Elongation factor 1 gamma
pfam00667	7	7	100.0	FAD_binding_1	FAD binding domain
pfam00764	7	4	57.1	Arginosuc_synth	Arginosuccinate synthase
pfam00773	7	4	57.1	RNB	RNB domain
pfam00977	7	4	57.1	His_biosynth	Histidine biosynthesis protein
pfam01077	7	1	14.3	NIR_SIR	Nitrite and sulphite reductase 4Fe-4S domain
pfam01080	7	2	28.6	Presenilin	Presenilin
pfam01111	7	0	0.0	CKS	Cyclin-dependent kinase regulatory subunit
pfam01118	7	3	42.9	Semialdehyde_dh	Semialdehyde dehydrogenase
pfam01133	7	0	0.0	ER	Enhancer of rudimentary
pfam01180	7	4	57.1	DHO_dh	Dihydroorotate dehydrogenase
pfam01191	7	2	28.6	RNA_pol_Rpb5_C	RNA polymerase Rpb5
pfam01227	7	2	28.6	GTP_cyclohydrol	GTP cyclohydrolase I
pfam01247	7	4	57.1	Ribosomal_L35Ae	Ribosomal protein L35Ae
pfam01274	7	2	28.6	Malate_synthase	Malate synthase
pfam01409	7	5	71.4	tRNA-synt_2d	tRNA synthetases class II core domain (F)
pfam01432	7	5	71.4	Peptidase_M3	Peptidase family M3
pfam01450	7	2	28.6	IlvC	Acetohydroxy acid isomeroreductase
pfam01470	7	4	57.1	Peptidase_C15	Pyroglutamyl peptidase
pfam01592	7	2	28.6	NifU_N	NifU-like N terminal domain
pfam01641	7	3	42.9	SelR	SelR domain
pfam01656	7	0	0.0	CbiA	CobQ/CobB/MinD/ParA nucleotide binding domain
pfam01747	7	1	14.3	ATP-sulfurylase	ATP-sulfurylase
pfam01756	7	6	85.7	ACOX	Acyl-CoA oxidase
pfam01758	7	6	85.7	SBF	Sodium Bile acid symporter family
pfam01779	7	3	42.9	Ribosomal_L29e	Ribosomal L29e protein family

pfam01813	7	0	0.0	ATP-synt_D	ATP synthase subunit D
pfam01814	7	2	28.6	Hemerythrin	Hemerythrin HHE cation binding domain
pfam01846	7	7	100.0	FF	FF domain
pfam01992	7	0	0.0	vATP-synt_AC39	ATP synthase (C/AC39) subunit
pfam02089	7	3	42.9	Palm_thioest	Palmitoyl protein thioesterase
pfam02140	7	3	42.9	Gal_Lectin	Galactose binding lectin domain
pfam02152	7	3	42.9	FolB	Dihydroneopterin aldolase
pfam02270	7	2	28.6	TFIIF_beta	Transcription initiation factor IIF
pfam02271	7	2	28.6	UCR_14kD	Ubiquinol-cytochrome C reductase complex 14kD
pfam02297	7	2	28.6	COX6B	Cytochrome oxidase c subunit VIb
pfam02353	7	3	42.9	CMAS	Mycolic acid cyclopropane synthetase
pfam02446	7	5	71.4	Glyco_hydro_77	4-alpha-glucanotransferase
pfam02492	7	5	71.4	cobW	CobW/HypB/UreG
pfam02514	7	1	14.3	CobN-Mg_chel	CobN/Magnesium Chelatase
pfam02622	7	3	42.9	DUF179	Uncharacterized ACR
pfam02668	7	0	0.0	TauD	Taurine catabolism dioxygenase TauD
pfam02737	7	5	71.4	3HCDH_N	3-hydroxyacyl-CoA dehydrogenase
pfam03070	7	4	57.1	TENA_THI-4	TENA/THI-4/PQQC family
pfam03159	7	7	100.0	XRN_N	XRN 5'-3' exonuclease N-terminus
pfam03467	7	5	71.4	Smg4_UPF3	Smg-4/UPF3 family
pfam03501	7	2	28.6	S10_plectin	Plectin/S10 domain
pfam03630	7	6	85.7	Fumble	Fumble
pfam03870	7	4	57.1	RNA_pol_Rpb8	RNA polymerase Rpb8
pfam03871	7	2	28.6	RNA_pol_Rpb5_N	RNA polymerase Rpb5
pfam03878	7	5	71.4	YIF1	YIF1
pfam03901	7	6	85.7	Glyco_transf_22	Alg9-like mannosyltransferase family
pfam03939	7	7	100.0	Ribosomal_L23eN	Ribosomal protein L23
pfam03946	7	1	14.3	Ribosomal_L11_N	Ribosomal protein L11
pfam03997	7	1	14.3	VPS28	VPS28 protein
pfam04042	7	6	85.7	DNA_pol_E_B	DNA polymerase alpha/epsilon subunit B
pfam04061	7	0	0.0	ORMDL	ORMDL family
pfam04065	7	4	57.1	Not3	Not1 N-terminal domain
pfam04080	7	4	57.1	Per1	Per1-like
pfam04280	7	4	57.1	Tim44	Tim44-like domain
pfam04418	7	0	0.0	DUF543	Domain of unknown function (DUF543)
pfam04433	7	5	71.4	SWIRM	SWIRM domain
pfam04446	7	3	42.9	Thg1	tRNAHis guanylyltransferase
pfam04499	7	6	85.7	SAPS	SIT4 phosphatase-associated protein
pfam04547	7	4	57.1	Anoctamin	Calcium-activated chloride channel
pfam04616	7	4	57.1	Glyco_hydro_43	Glycosyl hydrolases family 43
pfam04618	7	5	71.4	HD-ZIP_N	HD-ZIP protein N terminus
pfam04729	7	0	0.0	ASF1_hist_chap	ASF1 like histone chaperone
pfam04739	7	5	71.4	AMPKBI	5'-AMP-activated protein kinase beta subunit
pfam04757	7	6	85.7	Pex2_Pex12	Pex2 / Pex12 amino terminal region
pfam04815	7	4	57.1	Sec23_helical	Sec23/Sec24 helical domain
pfam04927	7	1	14.3	SMP	Seed maturation protein
pfam04981	7	1	14.3	NMD3	NMD3 family
pfam04998	7	5	71.4	RNA_pol_Rpb1_5	RNA polymerase Rpb1
pfam05002	7	4	57.1	SGS	SGS domain
pfam05019	7	3	42.9	Coq4	Coenzyme Q (ubiquinone) biosynthesis protein Coq4
pfam05026	7	1	14.3	DCP2	Dcp2
pfam05033	7	0	0.0	Pre-SET	Pre-SET motif

pfam05158	7	2	28.6	RNA_pol_Rpc34	RNA polymerase Rpc34 subunit
pfam05193	7	5	71.4	Peptidase_M16_C	Peptidase M16 inactive domain
pfam05479	7	1	14.3	PsaN	Photosystem I reaction centre subunit N (PSAN or
pfam05486	7	3	42.9	SRP9-21	Signal recognition particle 9 kDa protein
pfam05495	7	3	42.9	zf-CHY	CHY zinc finger
pfam05726	7	0	0.0	Pirin_C	Pirin C-terminal cupin domain
pfam05768	7	0	0.0	DUF836	Glutaredoxin-like domain (DUF836)
pfam05916	7	2	28.6	Sld5	GIN5 complex protein
pfam05994	7	2	28.6	FragX_IP	Cytoplasmic Fragile-X interacting family
pfam06068	7	3	42.9	TIP49	TIP49 C-terminus
pfam06110	7	0	0.0	DUF953	Eukaryotic protein of unknown function (DUF953)
pfam06418	7	7	100.0	CTP_synth_N	CTP synthase N-terminus
pfam06419	7	2	28.6	COG6	Conserved oligomeric complex COG6
pfam06521	7	1	14.3	PAR1	PAR1 protein
pfam06584	7	5	71.4	DIRP	DIRP
pfam06799	7	4	57.1	DUF1230	Protein of unknown function (DUF1230)
pfam06966	7	2	28.6	DUF1295	Protein of unknown function (DUF1295)
pfam07014	7	1	14.3	Hs1pro-1_C	Hs1pro-1 protein C-terminus
pfam07063	7	3	42.9	DUF1338	Domain of unknown function (DUF1338)
pfam07491	7	3	42.9	PPI_Ypi1	Protein phosphatase inhibitor
pfam07944	7	4	57.1	Glyco_hydro_127	Beta-L-arabinofuranosidase
pfam07967	7	5	71.4	zf-C3HC	C3HC zinc finger-like
pfam08246	7	1	14.3	Inhibitor_I29	Cathepsin propeptide inhibitor domain
pfam08328	7	3	42.9	ASL_C	Adenylosuccinate lyase C-terminal
pfam08356	7	6	85.7	EF_assoc_2	EF hand associated
pfam09187	7	2	28.6	DUF1950	Domain of unknown function(DUF1950)
pfam09298	7	1	14.3	FAA_hydrolase_N	Fumarylacetoacetase N-terminal
pfam09425	7	3	42.9	CCT_2	Divergent CCT motif
pfam09733	7	6	85.7	VEFS-Box	VEFS-Box of polycomb protein
pfam09763	7	4	57.1	Sec3_C	Exocyst complex component Sec3
pfam10151	7	3	42.9	TMEM214	TMEM214
pfam10167	7	3	42.9	NEP	Uncharacterized conserved protein
pfam10367	7	4	57.1	Vps39_2	Vacuolar sorting protein 39 domain 2
pfam10513	7	7	100.0	EPL1	Enhancer of polycomb-like
pfam10585	7	4	57.1	UBA_e1_thiolCys	Ubiquitin-activating enzyme active
pfam10609	7	6	85.7	ParA	NUBPL iron-transfer P-loop NTPase
pfam10674	7	1	14.3	Ycf54	Protein of unknown function (DUF2488)
pfam10699	7	4	57.1	HAP2-GCS1	Male gamete fusion factor
pfam11204	7	2	28.6	DUF2985	Protein of unknown function (DUF2985)
pfam11264	7	4	57.1	ThylakoidFormat	Thylakoid formation protein
pfam11711	7	0	0.0	Tim54	Inner membrane protein import complex subunit
pfam11838	7	2	28.6	ERAP1_C	ERAP1-like C-terminal domain
pfam11947	7	1	14.3	DUF3464	Protein of unknown function (DUF3464)
pfam11995	7	2	28.6	DUF3490	Domain of unknown function (DUF3490)
pfam12338	7	3	42.9	RbcS	Ribulose-1
pfam12554	7	1	14.3	MOZART1	Mitotic-spindle organizing gamma-tubulin ring
pfam12576	7	5	71.4	DUF3754	Protein of unknown function (DUF3754)
pfam12701	7	6	85.7	LSM14	Scd6-like Sm domain
pfam12763	7	5	71.4	EF-hand_4	Cytoskeletal-regulatory complex EF hand
pfam13023	7	3	42.9	HD_3	HD domain
pfam13085	7	1	14.3	Fer2_3	2Fe-2S iron-sulfur cluster binding domain
pfam13238	7	2	28.6	AAA_18	AAA domain

pfam13326	7	4	57.1	PSII_Pbs27	Photosystem II Pbs27
pfam13537	7	0	0.0	GATase_7	Glutamine amidotransferase domain
pfam13793	7	4	57.1	Pribosyltran_N	N-terminal domain of ribose phosphate
pfam13883	7	3	42.9	Pyrid_oxidase_2	Pyridoxamine 5'-phosphate oxidase
pfam13893	7	4	57.1	RRM_5	RNA recognition motif
pfam13963	7	1	14.3	Transpos_assoc	Transposase-associated domain
pfam14228	7	2	28.6	MOR2-PAG1_mid	Cell morphogenesis central region
pfam14360	7	4	57.1	PAP2_C	PAP2 superfamily C-terminal
pfam14901	7	4	57.1	Jiv90	Cleavage inducing molecular chaperone
pfam16399	7	3	42.9	Aquarius_N	Intron-binding protein aquarius N-terminus
pfam16529	7	6	85.7	Ge1_WD40	WD40 region of Ge1
pfam16594	7	1	14.3	ATP-synt_Z	Putative AtpZ or ATP-synthase-associated
pfam00268	6	3	50.0	Ribonuc_red_sm	Ribonucleotide reductase
pfam00276	6	0	0.0	Ribosomal_L23	Ribosomal protein L23
pfam00281	6	1	16.7	Ribosomal_L5	Ribosomal protein L5
pfam00361	6	0	0.0	Proton_antipo_M	Proton-conducting membrane transporter
pfam00430	6	1	16.7	ATP-synt_B	ATP synthase B/B' CF(0)
pfam00432	6	6	100.0	Prenyltrans	Prenyltransferase and squalene oxidase
pfam00456	6	1	16.7	Transketolase_N	Transketolase
pfam00551	6	6	100.0	Formyl_trans_N	Formyl transferase
pfam00623	6	5	83.3	RNA_pol_Rpb1_2	RNA polymerase Rpb1
pfam00753	6	3	50.0	Lactamase_B	Metallo-beta-lactamase superfamily
pfam00829	6	4	66.7	Ribosomal_L21p	Ribosomal prokaryotic L21 protein
pfam00838	6	2	33.3	TCTP	Translationally controlled tumor protein
pfam00886	6	3	50.0	Ribosomal_S16	Ribosomal protein S16
pfam00889	6	3	50.0	EF_TS	Elongation factor TS
pfam01019	6	5	83.3	G_glu_transpept	Gamma-glutamyltranspeptidase
pfam01058	6	0	0.0	Oxidored_q6	NADH ubiquinone oxidoreductase
pfam01121	6	1	16.7	CoaE	Dephospho-CoA kinase
pfam01131	6	6	100.0	Topoisom_bac	DNA topoisomerase
pfam01135	6	2	33.3	PCMT	Protein-L-isoaspartate(D-aspartate)
pfam01157	6	0	0.0	Ribosomal_L21e	Ribosomal protein L21e
pfam01177	6	0	0.0	Asp_Glu_race	Asp/Glu/Hydantoin racemase
pfam01193	6	2	33.3	RNA_pol_L	RNA polymerase Rpb3/Rpb11 dimerisation
pfam01233	6	1	16.7	NMT	Myristoyl-CoA:protein N-myristoyltransferase
pfam01239	6	5	83.3	PPTA	Protein prenyltransferase alpha subunit repeat
pfam01283	6	1	16.7	Ribosomal_S26e	Ribosomal protein S26e
pfam01384	6	0	0.0	PHO4	Phosphate transporter family
pfam01406	6	5	83.3	tRNA-synt_1e	tRNA synthetases class I (C) catalytic
pfam01435	6	5	83.3	Peptidase_M48	Peptidase family M48
pfam01487	6	4	66.7	DHquinase_I	Type I 3-dehydroquinase
pfam01521	6	4	66.7	Fe-S_biosyn	Iron-sulphur cluster biosynthesis
pfam01594	6	2	33.3	AI-2E_transport	AI-2E family transporter
pfam01679	6	3	50.0	Pmp3	Proteolipid membrane potential modulator
pfam01702	6	4	66.7	TGT	Queuine tRNA-ribosyltransferase
pfam01709	6	3	50.0	Transcrip_reg	Transcriptional regulator
pfam01730	6	3	50.0	UreF	UreF
pfam01743	6	6	100.0	PolyA_pol	Poly A polymerase head domain
pfam01765	6	4	66.7	RRF	Ribosome recycling factor
pfam01794	6	3	50.0	Ferric_reduct	Ferric reductase like transmembrane
pfam01812	6	4	66.7	5-FTHF_cyc-lig	5-formyltetrahydrofolate cyclo-ligase
pfam01885	6	4	66.7	PTS_2-RNA	RNA 2'-phosphotransferase

pfam01907	6	1	16.7	Ribosomal_L37e	Ribosomal protein L37e
pfam02133	6	0	0.0	Transp_cyt_pur	Permease for cytosine/purines
pfam02135	6	3	50.0	zf-TAZ	TAZ zinc finger
pfam02146	6	4	66.7	SIR2	Sir2 family
pfam02170	6	4	66.7	PAZ	PAZ domain
pfam02183	6	1	16.7	HALZ	Homeobox associated leucine zipper
pfam02204	6	3	50.0	VPS9	Vacuolar sorting protein 9 (VPS9) domain
pfam02221	6	2	33.3	E1_DerP2_DerF2	ML domain
pfam02348	6	2	33.3	CTP_transf_3	Cytidylyltransferase
pfam02386	6	0	0.0	TrkH	Cation transport protein
pfam02410	6	2	33.3	Rsfs	Ribosomal silencing factor during starvation
pfam02470	6	3	50.0	MlaD	MlaD protein
pfam02475	6	3	50.0	Met_10	Met-10+ like-protein
pfam02545	6	4	66.7	Maf	Maf-like protein
pfam02567	6	3	50.0	PhzC-PhzF	Phenazine biosynthesis-like protein
pfam02594	6	1	16.7	DUF167	Uncharacterized ACR
pfam02729	6	4	66.7	OTCace_N	Aspartate/ornithine carbamoyltransferase
pfam02733	6	4	66.7	Dak1	Dak1 domain
pfam02886	6	5	83.3	LBP_BPI_CETP_C	LBP / BPI / CETP family
pfam02889	6	4	66.7	Sec63	Sec63 Brl domain
pfam02896	6	2	33.3	PEP-utilizers_C	PEP-utilising enzyme
pfam02941	6	0	0.0	FeThRed_A	Ferredoxin thioredoxin reductase variable
pfam03127	6	4	66.7	GAT	GAT domain
pfam03155	6	3	50.0	Alg6_Alg8	ALG6
pfam03179	6	4	66.7	V-ATPase_G	Vacuolar (H ⁺)-ATPase G subunit
pfam03223	6	4	66.7	V-ATPase_C	V-ATPase subunit C
pfam03366	6	3	50.0	YEATS	YEATS family
pfam03399	6	6	100.0	SAC3_GANP	SAC3/GANP family
pfam03572	6	5	83.3	Peptidase_S41	Peptidase family S41
pfam03637	6	4	66.7	Mob1_phocein	Mob1/phocein family
pfam03660	6	1	16.7	PHF5	PHF5-like protein
pfam03732	6	1	16.7	Retrotrans_gag	Retrotransposon gag protein
pfam03917	6	3	50.0	GSH_synth_ATP	Eukaryotic glutathione synthase
pfam03937	6	2	33.3	Sdh5	Flavinoflavin of succinate dehydrogenase
pfam03982	6	5	83.3	DAGAT	Diacylglycerol acyltransferase
pfam04003	6	6	100.0	Utp12	Dip2/Utp12 Family
pfam04053	6	4	66.7	Coatomer_WDAD	Coatomer WD associated region
pfam04133	6	5	83.3	Vps55	Vacuolar protein sorting 55
pfam04137	6	3	50.0	ERO1	Endoplasmic Reticulum Oxidoreductin 1 (ERO1)
pfam04140	6	2	33.3	ICMT	Isoprenylcysteine carboxyl methyltransferase
pfam04153	6	4	66.7	NOT2_3_5	NOT2 / NOT3 / NOT5 family
pfam04157	6	3	50.0	EAP30	EAP30/Vps36 family
pfam04194	6	4	66.7	PDCD2_C	Programmed cell death protein 2
pfam04305	6	1	16.7	DUF455	Protein of unknown function (DUF455)
pfam04367	6	4	66.7	DUF502	Protein of unknown function (DUF502)
pfam04379	6	5	83.3	DUF525	ApaG domain
pfam04410	6	1	16.7	Gar1	Gar1/Naf1 RNA binding region
pfam04442	6	2	33.3	CtaG_Cox11	Cytochrome c oxidase assembly protein
pfam04450	6	0	0.0	BSP	Peptidase of plants and bacteria
pfam04511	6	5	83.3	DER1	Der1-like family
pfam04597	6	4	66.7	Ribophorin_I	Ribophorin I
pfam04718	6	2	33.3	ATP-synt_G	Mitochondrial ATP synthase g subunit

pfam04825	6	3	50.0	Rad21_Rec8_N	N terminus of Rad21 / Rec8 like protein
pfam04910	6	1	16.7	Tcf25	Transcriptional repressor TCF25
pfam04979	6	4	66.7	IPP-2	Protein phosphatase inhibitor 2 (IPP-2)
pfam05362	6	5	83.3	Lon_C	Lon protease (S16) C-terminal proteolytic domain
pfam05365	6	0	0.0	UCR_UQCRX_QCR9	Ubiquinol-cytochrome C reductase
pfam05631	6	4	66.7	MFS_5	Sugar-transporters
pfam05697	6	4	66.7	Trigger_N	Bacterial trigger factor protein (TF)
pfam05753	6	2	33.3	TRAP_beta	Translocon-associated protein beta (TRAPB)
pfam05875	6	3	50.0	Ceramidase	Ceramidase
pfam05890	6	1	16.7	Ebp2	Eukaryotic rRNA processing protein EBP2
pfam05978	6	2	33.3	UNC-93	Ion channel regulatory protein UNC-93
pfam06027	6	2	33.3	SLC35F	Solute carrier family 35
pfam06046	6	5	83.3	Sec6	Exocyst complex component Sec6
pfam06094	6	1	16.7	GGACT	Gamma-glutamyl cyclotransferase
pfam06212	6	2	33.3	GRIM-19	GRIM-19 protein
pfam06241	6	5	83.3	Castor_Poll_mid	Castor and Pollux
pfam06246	6	2	33.3	Isy1	Isy1-like splicing family
pfam06472	6	4	66.7	ABC_membrane_2	ABC transporter transmembrane region 2
pfam06522	6	1	16.7	B12D	NADH-ubiquinone reductase complex 1 MLRQ
pfam06596	6	0	0.0	PsbX	Photosystem II reaction centre X protein (PsbX)
pfam06624	6	2	33.3	RAMP4	Ribosome associated membrane protein RAMP4
pfam06703	6	1	16.7	SPC25	Microsomal signal peptidase 25 kDa subunit
pfam07019	6	4	66.7	Rab5ip	Rab5-interacting protein (Rab5ip)
pfam07065	6	2	33.3	D123	D123
pfam07173	6	4	66.7	GRDP-like	Glycine-rich domain-containing protein-like
pfam07298	6	0	0.0	NnrU	NnrU protein
pfam07386	6	4	66.7	DUF1499	Protein of unknown function (DUF1499)
pfam07466	6	4	66.7	DUF1517	Protein of unknown function (DUF1517)
pfam07777	6	6	100.0	MFMR	G-box binding protein MFMR
pfam07889	6	4	66.7	DUF1664	Protein of unknown function (DUF1664)
pfam07977	6	1	16.7	FabA	FabA-like domain
pfam08069	6	2	33.3	Ribosomal_S13_N	Ribosomal S13/S15 N-terminal domain
pfam08155	6	2	33.3	NOGCT	NOGCT (NUC087) domain
pfam08245	6	2	33.3	Mur_ligase_M	Mur ligase middle domain
pfam08311	6	3	50.0	Mad3_BUB1_I	Mad3/BUB1 homology region 1
pfam08375	6	4	66.7	Rpn3_C	Proteasome regulatory subunit C-terminal
pfam08458	6	1	16.7	PH_2	Plant pleckstrin homology-like region
pfam08523	6	0	0.0	MBF1	Multiprotein bridging factor 1
pfam08542	6	1	16.7	Rep_fac_C	Replication factor C C-terminal domain
pfam08576	6	0	0.0	DUF1764	Eukaryotic protein of unknown function
pfam08609	6	3	50.0	Fes1	Nucleotide exchange factor Fes1
pfam08698	6	2	33.3	Fcf2	Fcf2 pre-rRNA processing
pfam08704	6	1	16.7	GCD14	tRNA methyltransferase complex GCD14 subunit
pfam08743	6	1	16.7	Nse4_C	Nse4 C-terminal
pfam09066	6	1	16.7	B2-adapt-app_C	Beta2-adaptin appendage
pfam09280	6	6	100.0	XPC-binding	XPC-binding domain
pfam09328	6	1	16.7	Phytochelatin_C	Domain of unknown function (DUF1984)
pfam09409	6	5	83.3	PUB	PUB domain
pfam09412	6	1	16.7	XendoU	Endoribonuclease XendoU
pfam09459	6	1	16.7	EB_dh	Ethylbenzene dehydrogenase
pfam09737	6	2	33.3	Det1	De-etiolated protein 1 Det1
pfam09753	6	5	83.3	Use1	Membrane fusion protein Use1

pfam09766	6	4	66.7	FimP	Fms-interacting protein
pfam09775	6	2	33.3	Keratin_assoc	Keratinocyte-associated protein 2
pfam09790	6	1	16.7	Hyccin	Hyccin
pfam10033	6	3	50.0	ATG13	Autophagy-related protein 13
pfam10058	6	4	66.7	zinc_ribbon_10	Predicted integral membrane zinc-ribbon
pfam10213	6	2	33.3	MRP-S28	Mitochondrial ribosomal subunit protein
pfam10248	6	4	66.7	Mlf1IP	Myelodysplasia-myeloid leukemia factor
pfam10354	6	1	16.7	DUF2431	Domain of unknown function (DUF2431)
pfam10497	6	4	66.7	zf-4CXXC_R1	Zinc-finger domain of monoamine-oxidase A
pfam10509	6	5	83.3	GalKase_gal_bdg	Galactokinase galactose-binding
pfam12656	6	1	16.7	G-patch_2	G-patch domain
pfam12689	6	2	33.3	Acid_PPase	Acid Phosphatase
pfam12740	6	0	0.0	Chlorophyllase2	Chlorophyllase enzyme
pfam12807	6	6	100.0	eIF3_p135	Translation initiation factor eIF3 subunit
pfam12931	6	4	66.7	Sec16_C	Sec23-binding domain of Sec16
pfam13091	6	4	66.7	PLDc_2	PLD-like domain
pfam13225	6	6	100.0	DUF4033	Domain of unknown function (DUF4033)
pfam13236	6	6	100.0	CLU	Clustered mitochondria
pfam13242	6	3	50.0	Hydrolase_like	HAD-hyrolase-like
pfam13344	6	5	83.3	Hydrolase_6	Haloacid dehalogenase-like hydrolase
pfam13415	6	3	50.0	Kelch_3	Galactose oxidase
pfam13622	6	5	83.3	4HBT_3	Thioesterase-like superfamily
pfam13671	6	4	66.7	AAA_33	AAA domain
pfam13779	6	4	66.7	DUF4175	Domain of unknown function (DUF4175)
pfam13838	6	6	100.0	Clathrin_H_link	Clathrin-H-link
pfam13889	6	4	66.7	Chromosome_seg	Chromosome segregation during meiosis
pfam13917	6	1	16.7	zf-CCHC_3	Zinc knuckle
pfam13949	6	0	0.0	ALIX_LYPXL_bnd	ALIX V-shaped domain binding to HIV
pfam14288	6	4	66.7	FKS1_dom1	
pfam14438	6	6	100.0	SM-ATX	Ataxin 2 SM domain
pfam14555	6	1	16.7	UBA_4	UBA-like domain
pfam14770	6	1	16.7	TMEM18	Transmembrane protein 18
pfam14853	6	2	33.3	Fis1_TPR_C	Fis1 C-terminal tetratricopeptide repeat
pfam15003	6	2	33.3	HAUS2	HAUS augmin-like complex subunit 2
pfam16186	6	4	66.7	Arm_3	Atypical Arm repeat
pfam16189	6	4	66.7	Creatinase_N_2	Creatinase/Prolidase N-terminal domain
pfam16205	6	2	33.3	Ribosomal_S17_N	Ribosomal_S17 N-terminal
pfam16275	6	3	50.0	SF1-HH	Splicing factor 1 helix-hairpin domain
pfam16879	6	5	83.3	Sin3a_C	C-terminal domain of Sin3a protein
pfam17098	6	4	66.7	Wtap	WTAP/Mum2p family
pfam00034	5	1	20.0	Cytochrom_C	Cytochrome c
pfam00079	5	1	20.0	Serpin	Serpin (serine protease inhibitor)
pfam00102	5	3	60.0	Y_phosphatase	Protein-tyrosine phosphatase
pfam00127	5	0	0.0	Copper-bind	Copper binding proteins
pfam00215	5	4	80.0	OMPdecase	Orotidine 5'-phosphate decarboxylase /
pfam00298	5	0	0.0	Ribosomal_L11	Ribosomal protein L11
pfam00303	5	4	80.0	Thymidylat_synt	Thymidylate synthase
pfam00310	5	1	20.0	GATase_2	Glutamine amidotransferases class-II
pfam00312	5	1	20.0	Ribosomal_S15	Ribosomal protein S15
pfam00324	5	2	40.0	AA_permease	Amino acid permease
pfam00370	5	1	20.0	FGGY_N	FGGY family of carbohydrate kinases
pfam00390	5	3	60.0	malic	Malic enzyme

pfam00468	5	1	20.0	Ribosomal_L34	Ribosomal protein L34
pfam00475	5	2	40.0	IGPD	Imidazoleglycerol-phosphate dehydratase
pfam00490	5	2	40.0	ALAD	Delta-aminolevulinic acid dehydratase
pfam00491	5	2	40.0	Arginase	Arginase family
pfam00543	5	2	40.0	P-II	Nitrogen regulatory protein P-II
pfam00637	5	3	60.0	Clathrin	Region in Clathrin and VPS
pfam00701	5	1	20.0	DHDPS	Dihydrodipicolinate synthetase family
pfam00703	5	4	80.0	Glyco_hydro_2	Glycosyl hydrolases family 2
pfam00709	5	1	20.0	Adenylsucc_synt	Adenylosuccinate synthetase
pfam00814	5	4	80.0	Peptidase_M22	Glycoprotease family
pfam00815	5	4	80.0	Histidinol_dh	Histidinol dehydrogenase
pfam00817	5	5	100.0	IMS	impB/mucB/samB family
pfam00953	5	4	80.0	Glycos_transf_4	Glycosyl transferase family 4
pfam00988	5	3	60.0	CPSase_sm_chain	Carbamoyl-phosphate synthase small
pfam01016	5	3	60.0	Ribosomal_L27	Ribosomal L27 protein
pfam01018	5	2	40.0	GTP1_OBG	GTP1/OBG
pfam01125	5	3	60.0	G10	G10 protein
pfam01171	5	3	60.0	ATP_bind_3	PP-loop family
pfam01174	5	2	40.0	SNO	SNO glutamine amidotransferase family
pfam01209	5	3	60.0	Ubie_methyltran	ubiE/COQ5 methyltransferase family
pfam01215	5	4	80.0	COX5B	Cytochrome c oxidase subunit Vb
pfam01241	5	0	0.0	PSI_PSAK	Photosystem I psaG / psaK
pfam01268	5	3	60.0	FTHFS	Formate--tetrahydrofolate ligase
pfam01281	5	1	20.0	Ribosomal_L9_N	Ribosomal protein L9
pfam01326	5	3	60.0	PPDK_N	Pyruvate phosphate dikinase
pfam01331	5	5	100.0	mRNA_cap_enzyme	mRNA capping enzyme
pfam01480	5	3	60.0	PWI	PWI domain
pfam01512	5	2	40.0	Complex1_51K	Respiratory-chain NADH dehydrogenase 51 Kd
pfam01590	5	2	40.0	GAF	GAF domain
pfam01591	5	5	100.0	6PF2K	6-phosphofructo-2-kinase
pfam01632	5	2	40.0	Ribosomal_L35p	Ribosomal protein L35
pfam01636	5	2	40.0	APH	Phosphotransferase enzyme family
pfam01805	5	4	80.0	Surp	Surp module
pfam01842	5	3	60.0	ACT	ACT domain
pfam01853	5	3	60.0	MOZ_SAS	MOZ/SAS family
pfam01858	5	3	60.0	RB_A	Retinoblastoma-associated protein A domain
pfam01922	5	1	20.0	SRP19	SRP19 protein
pfam01928	5	0	0.0	CYTH	CYTH domain
pfam01940	5	2	40.0	DUF92	Integral membrane protein DUF92
pfam01964	5	2	40.0	ThiC_Rad_SAM	Radical SAM ThiC family
pfam01984	5	1	20.0	dsDNA_bind	Double-stranded DNA-binding domain
pfam02238	5	2	40.0	COX7a	Cytochrome c oxidase subunit VII
pfam02269	5	2	40.0	TFIID-18kDa	Transcription initiation factor IID
pfam02301	5	2	40.0	HORMA	HORMA domain
pfam02347	5	1	20.0	GDC-P	Glycine cleavage system P-protein
pfam02427	5	0	0.0	PSI_PsaE	Photosystem I reaction centre subunit IV /
pfam02542	5	1	20.0	YgbB	YgbB family
pfam02617	5	4	80.0	ClpS	ATP-dependent Clp protease adaptor protein ClpS
pfam02630	5	4	80.0	SCO1-SenC	SCO1/SenC
pfam02657	5	2	40.0	SufE	Fe-S metabolism associated domain
pfam02672	5	2	40.0	CP12	CP12 domain
pfam02678	5	3	60.0	Pirin	Pirin

pfam02713	5	2	40.0	DUF220	Domain of unknown function DUF220
pfam02735	5	4	80.0	Ku	Ku70/Ku80 beta-barrel domain
pfam02747	5	0	0.0	PCNA_C	Proliferating cell nuclear antigen
pfam02792	5	2	40.0	Mago_nashi	Mago nashi protein
pfam02861	5	2	40.0	Clp_N	Clp amino terminal domain
pfam02867	5	2	40.0	Ribonuc_red_IgC	Ribonucleotide reductase
pfam02880	5	3	60.0	PGM_PMM_III	Phosphoglucomutase/phosphomannomutase
pfam02891	5	5	100.0	zf-MIZ	MIZ/SP-RING zinc finger
pfam02900	5	2	40.0	LigB	Catalytic LigB subunit of aromatic ring-opening
pfam02956	5	1	20.0	TT_ORF1	TT viral orf 1
pfam03029	5	5	100.0	ATP_bind_1	Conserved hypothetical ATP binding protein
pfam03054	5	3	60.0	tRNA_Me_trans	tRNA methyl transferase
pfam03161	5	1	20.0	LAGLIDADG_2	LAGLIDADG DNA endonuclease family
pfam03194	5	4	80.0	LUC7	LUC7 N_terminus
pfam03200	5	1	20.0	Glyco_hydro_63	Glycosyl hydrolase family 63
pfam03291	5	4	80.0	Pox_MCEL	mRNA capping enzyme
pfam03331	5	2	40.0	LpxC	UDP-3-O-acyl N-acetylglycosamine deacetylase
pfam03368	5	5	100.0	Dicer_dimer	Dicer dimerisation domain
pfam03676	5	2	40.0	UPF0183	Uncharacterized protein family (UPF0183)
pfam03760	5	1	20.0	LEA_1	Late embryogenesis abundant (LEA) group 1
pfam03776	5	1	20.0	MinE	Septum formation topological specificity factor
pfam03790	5	0	0.0	KNOX1	KNOX1 domain
pfam03868	5	0	0.0	Ribosomal_L6e_N	Ribosomal protein L6
pfam03914	5	5	100.0	CBF	CBF/Mak21 family
pfam04006	5	5	100.0	Mpp10	Mpp10 protein
pfam04045	5	5	100.0	P34-Arc	Arp2/3 complex
pfam04049	5	4	80.0	ANAPC8	Anaphase promoting complex subunit 8 / Cdc23
pfam04357	5	5	100.0	TamB	TamB
pfam04366	5	4	80.0	Ysc84	Las17-binding protein actin regulator
pfam04388	5	1	20.0	Hamartin	Hamartin protein
pfam04539	5	4	80.0	Sigma70_r3	Sigma-70 region 3
pfam04588	5	2	40.0	HIG_1_N	Hypoxia induced protein conserved region
pfam04592	5	2	40.0	SelP_N	Selenoprotein P
pfam04614	5	1	20.0	Pex19	Pex19 protein family
pfam04652	5	4	80.0	Vta1	Vta1 like
pfam04685	5	3	60.0	DUF608	Glycosyl-hydrolase family 116
pfam04795	5	2	40.0	PAPA-1	PAPA-1-like conserved region
pfam04824	5	3	60.0	Rad21_Rec8	Conserved region of Rad21 / Rec8 like
pfam04889	5	0	0.0	Cwf_Cwc_15	Cwf15/Cwc15 cell cycle control protein
pfam05028	5	1	20.0	PARG_cat	Poly (ADP-ribose) glycohydrolase (PARG)
pfam05071	5	2	40.0	NDUFA12	NADH ubiquinone oxidoreductase subunit NDUFA12
pfam05096	5	4	80.0	Glu_cyclase_2	Glutamine cyclotransferase
pfam05129	5	1	20.0	Elf1	Transcription elongation factor Elf1 like
pfam05132	5	4	80.0	RNA_pol_Rpc4	RNA polymerase III RPC4
pfam05160	5	4	80.0	DSS1_SEM1	DSS1/SEM1 family
pfam05172	5	2	40.0	Nup35_RRM	Nup53/35/40-type RNA recognition motif
pfam05173	5	3	60.0	DapB_C	Dihydrodipicolinate reductase
pfam05241	5	4	80.0	EBP	Emopamil binding protein
pfam05346	5	4	80.0	DUF747	Eukaryotic membrane protein family
pfam05672	5	5	100.0	MAP7	MAP7 (E-MAP-115) family
pfam05721	5	1	20.0	PhyH	Phytanoyl-CoA dioxygenase (PhyH)
pfam05746	5	3	60.0	DALR_1	DALR anticodon binding domain

pfam05773	5	4	80.0	RWD	RWD domain
pfam05856	5	2	40.0	ARPC4	ARP2/3 complex 20 kDa subunit (ARPC4)
pfam05997	5	2	40.0	Nop52	Nucleolar protein
pfam06058	5	4	80.0	DCP1	Dcp1-like decapping family
pfam06201	5	1	20.0	PITH	PITH domain
pfam06244	5	0	0.0	DUF1014	Protein of unknown function (DUF1014)
pfam06248	5	3	60.0	Zw10	Centromere/kinetochore Zw10
pfam06320	5	0	0.0	GCN5L1	GCN5-like protein 1 (GCN5L1)
pfam06325	5	3	60.0	PrmA	Ribosomal protein L11 methyltransferase (PrmA)
pfam06424	5	1	20.0	PRP1_N	PRP1 splicing factor
pfam06479	5	4	80.0	Ribonuc_2-5A	Ribonuclease 2-5A
pfam06485	5	1	20.0	DUF1092	Protein of unknown function (DUF1092)
pfam06549	5	0	0.0	DUF1118	Protein of unknown function (DUF1118)
pfam06592	5	3	60.0	DUF1138	Protein of unknown function (DUF1138)
pfam06694	5	3	60.0	Plant_NMP1	Plant nuclear matrix protein 1 (NMP1)
pfam06760	5	1	20.0	DUF1221	Protein of unknown function (DUF1221)
pfam06925	5	2	40.0	MGDG_synth	Monogalactosyldiacylglycerol (MGDG)
pfam06978	5	5	100.0	POP1	Ribonucleases P/MRP protein subunit POP1
pfam07168	5	3	60.0	Ureide_permease	Ureide permease
pfam07174	5	1	20.0	FAP	Fibronectin-attachment protein (FAP)
pfam07207	5	0	0.0	Lir1	Light regulated protein Lir1
pfam07343	5	2	40.0	DUF1475	Protein of unknown function (DUF1475)
pfam07569	5	3	60.0	Hira	TUP1-like enhancer of split
pfam07716	5	2	40.0	bZIP_2	Basic region leucine zipper
pfam07741	5	3	60.0	BRF1	Brf1-like TBP-binding domain
pfam07767	5	2	40.0	Nop53	Nop53 (60S ribosomal biogenesis)
pfam07802	5	1	20.0	GCK	GCK domain
pfam07851	5	2	40.0	TMPIT	TMPIT-like protein
pfam07926	5	3	60.0	TPR_MLP1_2	TPR/MLP1/MLP2-like protein
pfam07933	5	2	40.0	DUF1681	Protein of unknown function (DUF1681)
pfam08149	5	2	40.0	BING4CT	BING4CT (NUC141) domain
pfam08214	5	5	100.0	HAT_KAT11	Histone acetylation protein
pfam08234	5	2	40.0	Spindle_Spc25	Chromosome segregation protein Spc25
pfam08242	5	4	80.0	Methyltransf_12	Methyltransferase domain
pfam08326	5	3	60.0	ACC_central	Acetyl-CoA carboxylase
pfam08543	5	3	60.0	Phos_pyr_kin	Phosphomethylpyrimidine kinase
pfam08583	5	3	60.0	Cmc1	Cytochrome c oxidase biogenesis protein Cmc1
pfam08612	5	1	20.0	Med20	TATA-binding related factor (TRF) of subunit 20
pfam08662	5	4	80.0	eIF2A	Eukaryotic translation initiation factor eIF2A
pfam08777	5	1	20.0	RRM_3	RNA binding motif
pfam08801	5	3	60.0	Nucleoporin_N	Nup133 N terminal like
pfam09334	5	3	60.0	tRNA-synt_1g	tRNA synthetases class I (M)
pfam09384	5	1	20.0	UTP15_C	UTP15 C terminal
pfam09405	5	4	80.0	Btz	CASC3/Barentsz eIF4AIII binding
pfam09585	5	3	60.0	Lin0512_fam	Conserved hypothetical protein
pfam09588	5	1	20.0	YqaJ	YqaJ-like viral recombinase domain
pfam09606	5	4	80.0	Med15	ARC105 or Med15 subunit of Mediator complex
pfam09724	5	1	20.0	DUF2036	Uncharacterized conserved protein (DUF2036)
pfam09758	5	4	80.0	FPL	Uncharacterized conserved protein
pfam09767	5	1	20.0	DUF2053	Predicted membrane protein (DUF2053)
pfam09811	5	3	60.0	Yae1_N	Essential protein Yae1
pfam10237	5	2	40.0	N6-adenineMlase	Probable N6-adenine methyltransferase

pfam10258	5	3	60.0	RNA_GG_bind	PHAX RNA-binding domain
pfam10273	5	4	80.0	WGG	Pre-rRNA-processing protein TSR2
pfam10436	5	4	80.0	BCDHK_Adom3	Mitochondrial branched-chain alpha-ketoacid
pfam10537	5	4	80.0	WAC_Acf1_DNA_bd	ATP-utilising chromatin assembly and
pfam10602	5	1	20.0	RPN7	26S proteasome subunit RPN7
pfam10693	5	2	40.0	DUF2499	Protein of unknown function (DUF2499)
pfam10998	5	3	60.0	DUF2838	Protein of unknown function (DUF2838)
pfam11255	5	0	0.0	DUF3054	Protein of unknown function (DUF3054)
pfam11347	5	0	0.0	DUF3148	Protein of unknown function (DUF3148)
pfam11815	5	4	80.0	DUF3336	Domain of unknown function (DUF3336)
pfam11938	5	2	40.0	DUF3456	TLR4 regulator and MIR-interacting MSAP
pfam12014	5	5	100.0	DUF3506	Domain of unknown function (DUF3506)
pfam12049	5	4	80.0	DUF3531	Protein of unknown function (DUF3531)
pfam12070	5	4	80.0	SCAI	Protein SCAI
pfam12251	5	1	20.0	zf-SNAP50_C	snRNA-activating protein of 50kDa MW C
pfam12263	5	1	20.0	DUF3611	Protein of unknown function (DUF3611)
pfam12436	5	5	100.0	USP7_ICP0_bdg	ICP0-binding domain of Ubiquitin-specific
pfam12515	5	0	0.0	CaATP_NAI	Ca ²⁺ -ATPase N terminal autoinhibitory
pfam12552	5	2	40.0	DUF3741	Protein of unknown function (DUF3741)
pfam12643	5	0	0.0	MazG-like	MazG-like family
pfam12717	5	3	60.0	Cnd1	non-SMC mitotic condensation complex subunit 1
pfam12874	5	3	60.0	zf-met	Zinc-finger of C2H2 type
pfam13012	5	2	40.0	MitMem_reg	Maintenance of mitochondrial structure and
pfam13249	5	3	60.0	SQHop_cyclase_N	Squalene-hopene cyclase N-terminal
pfam13301	5	1	20.0	DUF4079	Protein of unknown function (DUF4079)
pfam13328	5	5	100.0	HD_4	HD domain
pfam13414	5	5	100.0	TPR_11	TPR repeat
pfam13450	5	4	80.0	NAD_binding_8	NAD(P)-binding Rossmann-like domain
pfam13506	5	3	60.0	Glyco_transf_21	Glycosyl transferase family 21
pfam13638	5	2	40.0	PIN_4	PIN domain
pfam13646	5	3	60.0	HEAT_2	HEAT repeats
pfam13656	5	3	60.0	RNA_pol_L_2	RNA polymerase Rpb3/Rpb11 dimerisation
pfam13867	5	4	80.0	SAP30_Sin3_bdg	Sin3 binding region of histone
pfam13869	5	2	40.0	NUDIX_2	Nucleotide hydrolase
pfam13880	5	0	0.0	Acetyltransf_13	ESCO1/2 acetyl-transferase
pfam13911	5	5	100.0	AhpC-TSA_2	AhpC/TSA antioxidant enzyme
pfam14249	5	2	40.0	Tocopherol_cycl	Tocopherol cyclase
pfam14310	5	0	0.0	Fn3-like	Fibronectin type III-like domain
pfam14538	5	3	60.0	Raptor_N	Raptor N-terminal CASPase like domain
pfam14829	5	2	40.0	GPAT_N	Glycerol-3-phosphate acyltransferase
pfam14929	5	3	60.0	TAF1_subA	TAF RNA Polymerase I subunit A
pfam15402	5	2	40.0	Spc7_N	N-terminus of kinetochore NMS complex subunit
pfam16035	5	2	40.0	Chalcone_2	Chalcone isomerase like
pfam16041	5	2	40.0	DUF4793	Domain of unknown function (DUF4793)
pfam16208	5	4	80.0	Keratin_2_head	Keratin type II head
pfam16209	5	4	80.0	PhoLip_ATPase_N	Phospholipid-translocating ATPase
pfam16213	5	2	40.0	DCB	Dimerisation and cyclophilin-binding domain of
pfam16543	5	2	40.0	DFRP_C	DRG Family Regulatory Proteins
pfam16575	5	5	100.0	CLP1_P	mRNA cleavage and polyadenylation factor CLP1
pfam16709	5	3	60.0	SCAB-IgPH	Fused Ig-PH domain of plant-specific
pfam16770	5	3	60.0	RTT107_BRCT_5	Regulator of Ty1 transposition protein
pfam16940	5	3	60.0	Tic110	Chloroplast envelope transporter

pfam00092	4	1	25.0	VWA	von Willebrand factor type A domain
pfam00136	4	4	100.0	DNA_pol_B	DNA polymerase family B
pfam00163	4	0	0.0	Ribosomal_S4	Ribosomal protein S4/S9 N-terminal
pfam00223	4	0	0.0	PsaA_PsaB	Photosystem I psaA/psaB protein
pfam00246	4	4	100.0	Peptidase_M14	Zinc carboxypeptidase
pfam00253	4	3	75.0	Ribosomal_S14	Ribosomal protein S14p/S29e
pfam00264	4	0	0.0	Tyrosinase	Common central domain of tyrosinase
pfam00327	4	3	75.0	Ribosomal_L30	Ribosomal protein L30p/L7e
pfam00397	4	3	75.0	WW	WW domain
pfam00421	4	0	0.0	PSII	Photosystem II protein
pfam00453	4	1	25.0	Ribosomal_L20	Ribosomal protein L20
pfam00463	4	0	0.0	ICL	Isocitrate lyase family
pfam00499	4	1	25.0	Oxidored_q3	NADH-ubiquinone/plastoquinone
pfam00565	4	3	75.0	SNase	Staphylococcal nuclease homolog
pfam00567	4	2	50.0	TUDOR	Tudor domain
pfam00596	4	4	100.0	Aldolase_II	Class II Aldolase and Adducin N-terminal
pfam00610	4	2	50.0	DEP	Domain found in Dishevelled
pfam00613	4	4	100.0	PI3Ka	Phosphoinositide 3-kinase family
pfam00615	4	2	50.0	RGS	Regulator of G protein signaling domain
pfam00626	4	3	75.0	Gelsolin	Gelsolin repeat
pfam00697	4	2	50.0	PRAI	N-(5'phosphoribosyl)anthranilate (PRA) isomerase
pfam00750	4	2	50.0	tRNA-synt_1d	tRNA synthetases class I (R)
pfam00809	4	2	50.0	Pterin_bind	Pterin binding enzyme
pfam00902	4	2	50.0	TatC	Sec-independent protein translocase protein
pfam00935	4	3	75.0	Ribosomal_L44	Ribosomal protein L44
pfam00958	4	0	0.0	GMP_synt_C	GMP synthase C terminal domain
pfam01012	4	3	75.0	ETF	Electron transfer flavoprotein domain
pfam01014	4	2	50.0	Uricase	Uricase
pfam01026	4	3	75.0	TatD_DNase	TatD related DNase
pfam01068	4	3	75.0	DNA_ligase_A_M	ATP dependent DNA ligase domain
pfam01106	4	3	75.0	NifU	NifU-like domain
pfam01120	4	2	50.0	Alpha_L_fucos	Alpha-L-fucosidase
pfam01127	4	1	25.0	Sdh_cyt	Succinate dehydrogenase/Fumarate reductase
pfam01137	4	1	25.0	RTC	RNA 3'-terminal phosphate cyclase
pfam01163	4	4	100.0	RIO1	RIO1 family
pfam01168	4	2	50.0	Ala_racemase_N	Alanine racemase
pfam01194	4	2	50.0	RNA_pol_N	RNA polymerases N / 8 kDa subunit
pfam01196	4	3	75.0	Ribosomal_L17	Ribosomal protein L17
pfam01222	4	3	75.0	ERG4_ERG24	Ergosterol biosynthesis ERG4/ERG24 family
pfam01245	4	4	100.0	Ribosomal_L19	Ribosomal protein L19
pfam01249	4	2	50.0	Ribosomal_S21e	Ribosomal protein S21e
pfam01300	4	4	100.0	Sua5_yciO_yrdC	Telomere recombination
pfam01343	4	2	50.0	Peptidase_S49	Peptidase family S49
pfam01379	4	4	100.0	Porphobil_deam	Porphobilinogen deaminase
pfam01457	4	4	100.0	Peptidase_M8	Leishmanolysin
pfam01472	4	3	75.0	PUA	PUA domain
pfam01557	4	1	25.0	FAA_hydrolase	Fumarylacetoacetate (FAA) hydrolase
pfam01575	4	3	75.0	MaoC_dehydratas	MaoC like domain
pfam01648	4	3	75.0	ACPS	4'-phosphopantetheinyl transferase superfamily
pfam01649	4	2	50.0	Ribosomal_S20p	Ribosomal protein S20
pfam01661	4	4	100.0	Macro	Macro domain
pfam01725	4	2	50.0	Ham1p_like	Ham1 family

pfam01746	4	2	50.0	tRNA_m1G_MT	tRNA (Guanine-1)-methyltransferase
pfam01761	4	2	50.0	DHQ_synthase	3-dehydroquininate synthase
pfam01808	4	2	50.0	AICARFT_IMPCHas	AICARFT/IMPCHase bienzyme
pfam01843	4	1	25.0	DIL	DIL domain
pfam01869	4	1	25.0	BcrAD_BadFG	BadF/BadG/BcrA/BcrD ATPase family
pfam01903	4	4	100.0	CbiX	CbiX
pfam01960	4	3	75.0	ArgJ	ArgJ family
pfam01967	4	1	25.0	MoaC	MoaC family
pfam02046	4	1	25.0	COX6A	Cytochrome c oxidase subunit VIa
pfam02148	4	1	25.0	zf-UBP	Zn-finger in ubiquitin-hydrolases and other
pfam02194	4	3	75.0	PXA	PXA domain
pfam02207	4	4	100.0	zf-UBR	Putative zinc finger in N-recognin (UBR box)
pfam02259	4	4	100.0	FAT	FAT domain
pfam02263	4	4	100.0	GBP	Guanylate-binding protein
pfam02290	4	1	25.0	SRP14	Signal recognition particle 14kD protein
pfam02496	4	0	0.0	ABA_WDS	ABA/WDS induced protein
pfam02531	4	1	25.0	PsaD	PsaD
pfam02569	4	1	25.0	Pantoate_ligase	Pantoate-beta-alanine ligase
pfam02577	4	4	100.0	DNase-RNase	Bifunctional nuclease
pfam02590	4	2	50.0	SPOUT_MTase	Predicted SPOUT methyltransferase
pfam02598	4	2	50.0	Methyltrn_RNA_3	Putative RNA methyltransferase
pfam02602	4	2	50.0	HEM4	Uroporphyrinogen-III synthase HemD
pfam02605	4	1	25.0	PsaL	Photosystem I reaction centre subunit XI
pfam02732	4	4	100.0	ERCC4	ERCC4 domain
pfam02771	4	3	75.0	Acyl-CoA_dh_N	Acyl-CoA dehydrogenase
pfam02801	4	2	50.0	Ketoacyl-synt_C	Beta-ketoacyl synthase
pfam02845	4	2	50.0	CUE	CUE domain
pfam02878	4	4	100.0	PGM_PMM_I	Phosphoglucomutase/phosphomannomutase
pfam02915	4	0	0.0	Rubrerythrin	Rubrerythrin
pfam02919	4	3	75.0	Topoisom_I_N	Eukaryotic DNA topoisomerase I
pfam03024	4	2	50.0	Folate_rec	Folate receptor family
pfam03071	4	2	50.0	GNT-I	GNT-I family
pfam03073	4	0	0.0	TspO_MBR	TspO/MBR family
pfam03091	4	3	75.0	CutA1	CutA1 divalent ion tolerance protein
pfam03104	4	4	100.0	DNA_pol_B_exo1	DNA polymerase family B
pfam03129	4	2	50.0	HGTP_anticodon	Anticodon binding domain
pfam03164	4	3	75.0	Mon1	Trafficking protein Mon1
pfam03256	4	2	50.0	ANAPC10	Anaphase-promoting complex
pfam03266	4	1	25.0	NTPase_1	NTPase
pfam03328	4	0	0.0	HpcH_Hpal	HpcH/Hpal aldolase/citrate lyase family
pfam03345	4	1	25.0	DDOST_48kD	Oligosaccharyltransferase 48 kDa subunit
pfam03350	4	2	50.0	UPF0114	Uncharacterized protein family
pfam03378	4	1	25.0	CAS_CSE1	CAS/CSE protein
pfam03416	4	2	50.0	Peptidase_C54	Peptidase family C54
pfam03435	4	2	50.0	Sacchrp_dh_NADP	Saccharopine dehydrogenase NADP binding
pfam03439	4	4	100.0	Spt5-NGN	Early transcription elongation factor of RNA
pfam03463	4	2	50.0	eRF1_1	eRF1 domain 1
pfam03531	4	2	50.0	SSrecog	Structure-specific recognition protein (SSRP1)
pfam03604	4	0	0.0	DNA_RNApol_7kD	DNA directed RNA polymerase
pfam03618	4	2	50.0	Kinase-PPPase	Kinase/pyrophosphorylase
pfam03652	4	3	75.0	RuvX	Holliday junction resolvase
pfam03694	4	0	0.0	Erg28	Erg28 like protein

pfam03703	4	0	0.0	bPH_2	Bacterial PH domain
pfam03715	4	4	100.0	Noc2	Noc2p family
pfam03828	4	3	75.0	PAP_assoc	Cid1 family poly A polymerase
pfam03847	4	4	100.0	TFIID_20kDa	Transcription initiation factor TFIID
pfam03924	4	3	75.0	CHASE	CHASE domain
pfam03966	4	2	50.0	Trm112p	Trm112p-like protein
pfam03986	4	3	75.0	Autophagy_N	Autophagocytosis associated protein (Atg3)
pfam04000	4	4	100.0	Sas10_Utp3	Sas10/Utp3/C1D family
pfam04031	4	2	50.0	Las1	Las1-like
pfam04046	4	4	100.0	PSP	PSP
pfam04073	4	3	75.0	tRNA_edit	Aminoacyl-tRNA editing domain
pfam04081	4	0	0.0	DNA_pol_delta_4	DNA polymerase delta
pfam04084	4	1	25.0	ORC2	Origin recognition complex subunit 2
pfam04096	4	3	75.0	Nucleoporin2	Nucleoporin autopeptidase
pfam04097	4	2	50.0	Nic96	Nup93/Nic96
pfam04107	4	3	75.0	GCS2	Glutamate-cysteine ligase family 2(GCS2)
pfam04109	4	4	100.0	APG9	Autophagy protein Apg9
pfam04110	4	1	25.0	APG12	Ubiquitin-like autophagy protein Apg12
pfam04172	4	4	100.0	LrgB	LrgB-like family
pfam04190	4	2	50.0	DUF410	Protein of unknown function (DUF410)
pfam04212	4	0	0.0	MIT	MIT (microtubule interacting and transport)
pfam04387	4	3	75.0	PTPLA	Protein tyrosine phosphatase-like protein
pfam04406	4	2	50.0	TP6A_N	Type IIB DNA topoisomerase
pfam04424	4	3	75.0	DUF544	Protein of unknown function (DUF544)
pfam04545	4	1	25.0	Sigma70_r4	Sigma-70
pfam04572	4	0	0.0	Gb3_synth	Alpha 1
pfam04607	4	2	50.0	RelA_SpoT	Region found in RelA / SpoT proteins
pfam04627	4	0	0.0	ATP-synt_Eps	Mitochondrial ATP synthase epsilon
pfam04641	4	1	25.0	Rtf2	Rtf2 RING-finger
pfam04677	4	4	100.0	Cwfj_C_1	Protein similar to Cwfj C-terminus 1
pfam04689	4	0	0.0	S1FA	DNA binding protein S1FA
pfam04695	4	3	75.0	Pex14_N	Peroxisomal membrane anchor protein (Pex14p)
pfam04725	4	0	0.0	PsbR	Photosystem II 10 kDa polypeptide PsbR
pfam04777	4	3	75.0	Evr1_Alr	Erv1 / Alr family
pfam04780	4	2	50.0	DUF629	Protein of unknown function (DUF629)
pfam04784	4	1	25.0	DUF547	Protein of unknown function
pfam04802	4	4	100.0	SMK-1	Component of IIS longevity pathway SMK-1
pfam04845	4	2	50.0	PurA	PurA ssDNA and RNA-binding protein
pfam04871	4	2	50.0	Uso1_p115_C	Uso1 / p115 like vesicle tethering protein
pfam04893	4	2	50.0	Yip1	Yip1 domain
pfam04931	4	1	25.0	DNA_pol_phi	DNA polymerase phi
pfam04950	4	3	75.0	RIBIOP_C	40S ribosome biogenesis protein Tsr1 and BMS1
pfam05004	4	4	100.0	IFRD	Interferon-related developmental regulator (IFRD)
pfam05008	4	4	100.0	V-SNARE	Vesicle transport v-SNARE protein N-terminus
pfam05060	4	1	25.0	MGAT2	N-acetylglucosaminyltransferase II (MGAT2)
pfam05091	4	2	50.0	eIF-3_zeta	Eukaryotic translation initiation factor 3
pfam05116	4	2	50.0	S6PP	Sucrose-6F-phosphate phosphohydrolase
pfam05175	4	3	75.0	MTS	Methyltransferase small domain
pfam05179	4	1	25.0	CDC73_C	RNA pol II accessory factor
pfam05182	4	4	100.0	Fip1	Fip1 motif
pfam05236	4	3	75.0	TAF4	Transcription initiation factor TFIID component
pfam05251	4	2	50.0	UPF0197	Uncharacterized protein family (UPF0197)

pfam05348	4	0	0.0	UMP1	Proteasome maturation factor UMP1
pfam05421	4	0	0.0	DUF751	Protein of unknown function (DUF751)
pfam05450	4	3	75.0	Nicastrin	Nicastrin
pfam05477	4	1	25.0	SURF2	Surfeit locus protein 2 (SURF2)
pfam05669	4	1	25.0	Med31	SOH1
pfam05712	4	4	100.0	MRG	MRG
pfam05793	4	2	50.0	TFIIF_alpha	Transcription initiation factor IIF
pfam05822	4	2	50.0	UMPH-1	Pyrimidine 5'-nucleotidase (UMPH-1)
pfam05832	4	3	75.0	DUF846	Eukaryotic protein of unknown function (DUF846)
pfam05891	4	1	25.0	Methyltransf_PK	AdoMet dependent proline
pfam05919	4	1	25.0	Mitovir_RNA_pol	Mitovirus RNA-dependent RNA polymerase
pfam06298	4	0	0.0	PsbY	Photosystem II protein Y (PsbY)
pfam06346	4	1	25.0	Drf_FH1	Formin Homology Region 1
pfam06405	4	0	0.0	RCC_reductase	Red chlorophyll catabolite reductase (RCC)
pfam06417	4	1	25.0	DUF1077	Protein of unknown function (DUF1077)
pfam06699	4	2	50.0	PIG-F	GPI biosynthesis protein family Pig-F
pfam06747	4	3	75.0	CHCH	CHCH domain
pfam06870	4	1	25.0	RNA_pol_I_A49	A49-like RNA polymerase I associated
pfam06880	4	0	0.0	DUF1262	Protein of unknown function (DUF1262)
pfam06968	4	1	25.0	BATS	Biotin and Thiamin Synthesis associated domain
pfam07034	4	0	0.0	ORC3_N	Origin recognition complex (ORC) subunit 3
pfam07047	4	2	50.0	OPA3	Optic atrophy 3 protein (OPA3)
pfam07109	4	1	25.0	Mg-por_mtran_C	Magnesium-protoporphyrin IX
pfam07393	4	3	75.0	Sec10	Exocyst complex component Sec10
pfam07517	4	3	75.0	SecA_DEAD	SecA DEAD-like domain
pfam07522	4	1	25.0	DRMBL	DNA repair metallo-beta-lactamase
pfam07647	4	0	0.0	SAM_2	SAM domain (Sterile alpha motif)
pfam07722	4	2	50.0	Peptidase_C26	Peptidase C26
pfam07748	4	3	75.0	Glyco_hydro_38C	Glycosyl hydrolases family 38
pfam07779	4	4	100.0	Cas1_AcylIT	10 TM Acyl Transferase domain found in
pfam07798	4	3	75.0	DUF1640	Protein of unknown function (DUF1640)
pfam07837	4	3	75.0	FTCD_N	Formiminotransferase domain
pfam07915	4	0	0.0	PRKCSH	Glucosidase II beta subunit-like protein
pfam08038	4	0	0.0	Tom7	TOM7 family
pfam08059	4	1	25.0	SEP	SEP domain
pfam08079	4	2	50.0	Ribosomal_L30_N	Ribosomal L30 N-terminal domain
pfam08122	4	0	0.0	NDUF_B12	NADH-ubiquinone oxidoreductase B12 subunit
pfam08148	4	2	50.0	DSHCT	DSHCT (NUC185) domain
pfam08161	4	4	100.0	NUC173	NUC173 domain
pfam08217	4	2	50.0	DUF1712	Fungal domain of unknown function (DUF1712)
pfam08288	4	1	25.0	PIGA	PIGA (GPI anchor biosynthesis)
pfam08294	4	1	25.0	TIM21	TIM21
pfam08315	4	0	0.0	cwf18	cwf18 pre-mRNA splicing factor
pfam08318	4	1	25.0	COG4	COG4 transport protein
pfam08367	4	0	0.0	M16C_assoc	Peptidase M16C associated
pfam08547	4	4	100.0	CIA30	Complex I intermediate-associated protein 30
pfam08551	4	4	100.0	DUF1751	Eukaryotic integral membrane protein
pfam08555	4	2	50.0	DUF1754	Eukaryotic family of unknown function
pfam08557	4	1	25.0	Lipid_DES	Sphingolipid Delta4-desaturase (DES)
pfam08610	4	2	50.0	Pex16	Peroxisomal membrane protein (Pex16)
pfam08616	4	3	75.0	SPA	Stabilization of polarity axis
pfam08637	4	3	75.0	NCA2	ATP synthase regulation protein NCA2

pfam08642	4	4	100.0	Rxt3	Histone deacetylation protein Rxt3
pfam08661	4	4	100.0	Rep_fac-A_3	Replication factor A protein 3
pfam08729	4	4	100.0	HUN	HPC2 and ubinuclein domain
pfam08787	4	0	0.0	Alginate_lyase2	Alginate lyase
pfam08920	4	2	50.0	SF3b1	Splicing factor 3B subunit 1
pfam09118	4	1	25.0	DUF1929	Domain of unknown function (DUF1929)
pfam09133	4	1	25.0	SANTA	SANTA (SANT Associated)
pfam09180	4	2	50.0	ProRS-C_1	Prolyl-tRNA synthetase
pfam09439	4	0	0.0	SRPRB	Signal recognition particle receptor beta
pfam09497	4	4	100.0	Med12	Transcription mediator complex subunit Med12
pfam09726	4	4	100.0	Macoilin	Transmembrane protein
pfam09731	4	3	75.0	Mitofilin	Mitochondrial inner membrane protein
pfam09735	4	1	25.0	Nckap1	Membrane-associated apoptosis protein
pfam09739	4	0	0.0	MCM_bind	Mini-chromosome maintenance replisome factor
pfam09740	4	2	50.0	DUF2043	Uncharacterized conserved protein (DUF2043)
pfam09742	4	4	100.0	Dymeclin	Dyggve-Melchior-Clausen syndrome protein
pfam09768	4	1	25.0	Peptidase_M76	Peptidase M76 family
pfam09787	4	4	100.0	Golgin_A5	Golgin subfamily A member 5
pfam09793	4	1	25.0	AD	Anticodon-binding domain
pfam10172	4	4	100.0	DDA1	Det1 complexing ubiquitin ligase
pfam10187	4	2	50.0	Nefa_Nip30_N	N-terminal domain of NEFA-interacting
pfam10189	4	1	25.0	Ints3	Integrator complex subunit 3
pfam10217	4	1	25.0	DUF2039	Uncharacterized conserved protein (DUF2039)
pfam10225	4	4	100.0	NEMP	NEMP family
pfam10236	4	2	50.0	DAP3	Mitochondrial ribosomal death-associated protein
pfam10252	4	2	50.0	PP28	Casein kinase substrate phosphoprotein PP28
pfam10269	4	3	75.0	Tmemb_185A	Transmembrane Fragile-X-F protein
pfam10275	4	2	50.0	Peptidase_C65	Peptidase C65 Otubain
pfam10312	4	2	50.0	Cactin_mid	Conserved mid region of cactin
pfam10357	4	1	25.0	Kin17_mid	Domain of Kin17 curved DNA-binding protein
pfam10369	4	1	25.0	ALS_ss_C	Small subunit of acetolactate synthase
pfam10409	4	4	100.0	PTEN_C2	C2 domain of PTEN tumor-suppressor protein
pfam10428	4	2	50.0	SOG2	RAM signalling pathway protein
pfam10502	4	4	100.0	Peptidase_S26	Signal peptidase
pfam10557	4	2	50.0	Cullin_Nedd8	Cullin protein neddylation domain
pfam10584	4	0	0.0	Proteasome_A_N	Proteasome subunit A N-terminal
pfam11152	4	2	50.0	CCB2_CCB4	Cofactor assembly of complex C subunit B
pfam11265	4	3	75.0	Med25_VWA	Mediator complex subunit 25 von Willebrand
pfam11282	4	2	50.0	DUF3082	Protein of unknown function (DUF3082)
pfam11326	4	0	0.0	DUF3128	Protein of unknown function (DUF3128)
pfam11341	4	0	0.0	DUF3143	Protein of unknown function (DUF3143)
pfam11705	4	2	50.0	RNA_pol_3_Rpc31	DNA-directed RNA polymerase III subunit
pfam11718	4	2	50.0	CPSF73-100_C	Pre-mRNA 3'-end-processing endonuclease
pfam11816	4	4	100.0	DUF3337	Domain of unknown function (DUF3337)
pfam11831	4	2	50.0	Myb_Cef	pre-mRNA splicing factor component
pfam11916	4	4	100.0	Vac14_Fig4_bd	Vacuolar protein 14 C-terminal Fig4p
pfam11931	4	0	0.0	DUF3449	Domain of unknown function (DUF3449)
pfam11969	4	1	25.0	DcpS_C	Scavenger mRNA decapping enzyme C-term binding
pfam12036	4	4	100.0	DUF3522	Protein of unknown function (DUF3522)
pfam12046	4	1	25.0	CCB1	Cofactor assembly of complex C subunit B
pfam12220	4	3	75.0	U1snRNP70_N	U1 small nuclear ribonucleoprotein of 70kDa
pfam12222	4	0	0.0	PNGaseA	Peptide N-acetyl-beta-D-glucosaminyl

pfam12295	4	4	100.0	Symplekin_C	Symplekin tight junction protein C terminal
pfam12348	4	4	100.0	CLASP_N	CLASP N terminal
pfam12353	4	1	25.0	eIF3g	Eukaryotic translation initiation factor 3
pfam12368	4	4	100.0	Rhodanese_C	Rhodanase C-terminal
pfam12371	4	1	25.0	TMEM131_like	Transmembrane protein 131-like
pfam12498	4	2	50.0	bZIP_C	Basic leucine-zipper C terminal
pfam12708	4	0	0.0	Pectate_lyase_3	Pectate lyase superfamily protein
pfam12850	4	2	50.0	Metallophos_2	Calcineurin-like phosphoesterase
pfam12895	4	4	100.0	ANAPC3	Anaphase-promoting complex
pfam12923	4	3	75.0	RRP7	Ribosomal RNA-processing protein 7 (RRP7)
pfam12936	4	2	50.0	Kri1_C	KRI1-like family C-terminal
pfam12999	4	2	50.0	PRKCSH-like	Glucosidase II beta subunit-like
pfam13234	4	2	50.0	rRNA_proc-arch	rRNA-processing arch domain
pfam13325	4	3	75.0	MCRS_N	N-terminal region of micro-spherule protein
pfam13343	4	2	50.0	SBP_bac_6	Bacterial extracellular solute-binding
pfam13355	4	4	100.0	DUF4101	Protein of unknown function (DUF4101)
pfam13369	4	1	25.0	Transglut_core2	Transglutaminase-like superfamily
pfam13409	4	2	50.0	GST_N_2	Glutathione S-transferase
pfam13474	4	3	75.0	SnoaL_3	SnoaL-like domain
pfam13489	4	1	25.0	Methyltransf_23	Methyltransferase domain
pfam13515	4	0	0.0	FUSC_2	Fusaric acid resistance protein-like
pfam13563	4	0	0.0	2_5_RNA_ligase2	2'-5' RNA ligase superfamily
pfam13650	4	0	0.0	Asp_protease_2	Aspartyl protease
pfam13664	4	1	25.0	DUF4149	Domain of unknown function (DUF4149)
pfam13676	4	1	25.0	TIR_2	TIR domain
pfam13714	4	2	50.0	PEP_mutase	Phosphoenolpyruvate phosphomutase
pfam13768	4	4	100.0	VWA_3	von Willebrand factor type A domain
pfam13847	4	3	75.0	Methyltransf_31	Methyltransferase domain
pfam13848	4	4	100.0	Thioredoxin_6	Thioredoxin-like domain
pfam13862	4	1	25.0	BCIP	p21-C-terminal region-binding protein
pfam13872	4	2	50.0	AAA_34	P-loop containing NTP hydrolase pore-1
pfam13877	4	3	75.0	RPAP3_C	Potential Monad-binding region of RPAP3
pfam13891	4	0	0.0	zf-C3Hc3H	Potential DNA-binding domain
pfam13919	4	1	25.0	ASXH	Asx homology domain
pfam13925	4	2	50.0	Katanin_con80	con80 domain of Katanin
pfam13967	4	1	25.0	RSN1_TM	Late exocytosis
pfam14138	4	2	50.0	COX16	Cytochrome c oxidase assembly protein COX16
pfam14237	4	3	75.0	DUF4339	Domain of unknown function (DUF4339)
pfam14290	4	2	50.0	DUF4370	Domain of unknown function (DUF4370)
pfam14295	4	4	100.0	PAN_4	PAN domain
pfam14365	4	2	50.0	DUF4409	Domain of unknown function (DUF4409)
pfam14392	4	0	0.0	zf-CCHC_4	Zinc knuckle
pfam14498	4	4	100.0	Glyco_hyd_65N_2	Glycosyl hydrolase family 65
pfam14559	4	1	25.0	TPR_19	Tetratricopeptide repeat
pfam14566	4	4	100.0	PTPlike_phytase	Inositol hexakisphosphate
pfam14569	4	1	25.0	zf-UDP	Zinc-binding RING-finger
pfam14647	4	4	100.0	FAM91_N	FAM91 N-terminus
pfam14712	4	2	50.0	Snapin_Pallidin	Snapin/Pallidin
pfam14748	4	3	75.0	P5CR_dimer	Pyrroline-5-carboxylate reductase
pfam14780	4	2	50.0	DUF4477	Domain of unknown function (DUF4477)
pfam15346	4	4	100.0	ARGLU	Arginine and glutamate-rich 1
pfam15685	4	1	25.0	GGN	Gametogenetin

pfam15704	4	2	50.0	Mt_ATP_synt	Mitochondrial ATP synthase subunit
pfam15879	4	0	0.0	MWFE	NADH-ubiquinone oxidoreductase MWFE subunit
pfam15963	4	4	100.0	Myb_DNA-bind_7	Myb DNA-binding like
pfam15985	4	3	75.0	KH_6	KH domain
pfam16053	4	3	75.0	MRP-S34	Mitochondrial 28S ribosomal protein S34
pfam16124	4	1	25.0	RecQ_Zn_bind	RecQ zinc-binding
pfam16136	4	1	25.0	NINJA_B	Putative nuclear localization signal
pfam16187	4	3	75.0	Peptidase_M16_M	Middle or third domain of
pfam16414	4	4	100.0	NPC1_N	Niemann-Pick C1 N terminus
pfam16495	4	4	100.0	SWIRM-assoc_1	SWIRM-associated region 1
pfam16653	4	2	50.0	Sacchrp_dh_C	Saccharopine dehydrogenase C-terminal
pfam16712	4	3	75.0	SCAB_CC	Coiled-coil regions of plant-specific
pfam16851	4	2	50.0	Stomagen	Stomagen
pfam16860	4	2	50.0	CX9C	CHCH-CHCH-like Cx9C
pfam16870	4	4	100.0	OxoGdeHyase_C	2-oxoglutarate dehydrogenase C-terminal
pfam16897	4	4	100.0	MMR_HSR1_Xtn	C-terminal region of MMR_HSR1 domain
pfam16899	4	3	75.0	Cyclin_C_2	Cyclin C-terminal domain
pfam16900	4	1	25.0	REPA_OB_2	Replication protein A OB domain
pfam16916	4	1	25.0	ZT_dimer	Dimerisation domain of Zinc Transporter
pfam16987	4	4	100.0	KIX_2	KIX domain
pfam17067	4	1	25.0	RPS31	Ribosomal protein S31e
pfam17172	4	4	100.0	GST_N_4	Glutathione S-transferase N-terminal domain
pfam00033	3	0	0.0	Cytochrome_B	Cytochrome b/b6/petB
pfam00081	3	0	0.0	Sod_Fe_N	Iron/manganese superoxide dismutases
pfam00116	3	1	33.3	COX2	Cytochrome C oxidase subunit II
pfam00128	3	3	100.0	Alpha-amylase	Alpha amylase
pfam00146	3	0	0.0	NADHdh	NADH dehydrogenase
pfam00185	3	1	33.3	OTCace	Aspartate/ornithine carbamoyltransferase
pfam00258	3	2	66.7	Flavodoxin_1	Flavodoxin
pfam00284	3	0	0.0	Cytochrom_B559a	Luminal portion of Cytochrome b559
pfam00306	3	0	0.0	ATP_synt_ab_C	ATP synthase alpha/beta chain
pfam00384	3	1	33.3	Molybdopterin	Molybdopterin oxidoreductase
pfam00387	3	2	66.7	PI-PLC-Y	Phosphatidylinositol-specific phospholipase C
pfam00420	3	0	0.0	Oxidored_q2	NADH-ubiquinone/plastoquinone
pfam00441	3	2	66.7	Acyl-CoA_dh_1	Acyl-CoA dehydrogenase
pfam00444	3	2	66.7	Ribosomal_L36	Ribosomal protein L36
pfam00507	3	0	0.0	Oxidored_q4	NADH-ubiquinone/plastoquinone
pfam00533	3	2	66.7	BRCT	BRCA1 C Terminus (BRCT) domain
pfam00576	3	1	33.3	Transthyretin	HIUase/Transthyretin family
pfam00631	3	2	66.7	G-gamma	GGL domain
pfam00707	3	2	66.7	IF3_C	Translation initiation factor IF-3
pfam00725	3	2	66.7	3HCDH	3-hydroxyacyl-CoA dehydrogenase
pfam00731	3	2	66.7	AIRC	AIR carboxylase
pfam00737	3	0	0.0	PsbH	Photosystem II 10 kDa phosphoprotein
pfam00756	3	2	66.7	Esterase	Putative esterase
pfam00766	3	2	66.7	ETF_alpha	Electron transfer flavoprotein FAD-binding
pfam00805	3	3	100.0	Pentapeptide	Pentapeptide repeats (8 copies)
pfam00919	3	0	0.0	UPF0004	Uncharacterized protein family UPF0004
pfam00930	3	2	66.7	DPPIV_N	Dipeptidyl peptidase IV (DPP IV) N-terminal
pfam00984	3	1	33.3	UDPG_MGDP_dh	UDP-glucose/GDP-mannose dehydrogenase
pfam00994	3	1	33.3	MoCF_biosynth	Probable molybdopterin binding domain
pfam01062	3	2	66.7	Bestrophin	Bestrophin

pfam01067	3	0	0.0	Calpain_III	Calpain large subunit
pfam01081	3	2	66.7	Aldolase	KDPG and KHG aldolase
pfam01119	3	2	66.7	DNA_mis_repair	DNA mismatch repair protein
pfam01134	3	2	66.7	GIDA	Glucose inhibited division protein A
pfam01205	3	1	33.3	UPF0029	Uncharacterized protein family UPF0029
pfam01212	3	3	100.0	Beta_elim_lyase	Beta-eliminating lyase
pfam01323	3	2	66.7	DSBA	DSBA-like thioredoxin domain
pfam01367	3	1	33.3	5_3_exonuc	5'-3' exonuclease
pfam01454	3	2	66.7	MAGE	MAGE family
pfam01491	3	0	0.0	Frataxin_Cyay	Frataxin-like domain
pfam01493	3	0	0.0	GXGXG	GXGXG motif
pfam01541	3	2	66.7	GIY-YIG	GIY-YIG catalytic domain
pfam01634	3	2	66.7	HisG	ATP phosphoribosyltransferase
pfam01680	3	0	0.0	SOR_SNZ	SOR/SNZ family
pfam01729	3	2	66.7	QRPTase_C	Quinolate phosphoribosyl transferase
pfam01783	3	2	66.7	Ribosomal_L32p	Ribosomal L32p protein family
pfam01871	3	1	33.3	AMMECR1	AMMECR1
pfam01894	3	3	100.0	UPF0047	Uncharacterized protein family UPF0047
pfam01963	3	3	100.0	TraB	TraB family
pfam01966	3	3	100.0	HD	HD domain
pfam01980	3	2	66.7	UPF0066	Uncharacterized protein family UPF0066
pfam01990	3	2	66.7	ATP-synt_F	ATP synthase (F/14-kDa) subunit
pfam02005	3	3	100.0	TRM	N2
pfam02033	3	0	0.0	RBFA	Ribosome-binding factor A
pfam02036	3	1	33.3	SCP2	SCP-2 sterol transfer family
pfam02104	3	2	66.7	SURF1	SURF1 family
pfam02109	3	2	66.7	DAD	DAD family
pfam02114	3	2	66.7	Phosducin	Phosducin
pfam02176	3	1	33.3	zf-TRAF	TRAF-type zinc finger
pfam02291	3	1	33.3	TFIID-31kDa	Transcription initiation factor IID
pfam02361	3	2	66.7	CbiQ	Cobalt transport protein
pfam02375	3	2	66.7	JmjN	jmjN domain
pfam02401	3	2	66.7	LYTB	LytB protein
pfam02405	3	3	100.0	MlaE	Permease MlaE
pfam02445	3	0	0.0	NadA	Quinolate synthetase A protein
pfam02507	3	2	66.7	PSI_PsaF	Photosystem I reaction centre subunit III
pfam02527	3	2	66.7	GidB	rRNA small subunit methyltransferase G
pfam02548	3	2	66.7	Pantoate_transf	Ketopantoate hydroxymethyltransferase
pfam02560	3	0	0.0	Cyanate_lyase	Cyanate lyase C-terminal domain
pfam02580	3	2	66.7	Tyr_Deacylase	D-Tyr-tRNA(Tyr) deacylase
pfam02597	3	1	33.3	ThiS	ThiS family
pfam02620	3	3	100.0	DUF177	Uncharacterized ACR
pfam02671	3	2	66.7	PAH	Paired amphipathic helix repeat
pfam02683	3	2	66.7	DsbD	Cytochrome C biogenesis protein transmembrane
pfam02811	3	2	66.7	PHP	PHP domain
pfam02815	3	2	66.7	MIR	MIR domain
pfam02852	3	0	0.0	Pyr_redox_dim	Pyridine nucleotide-disulphide
pfam02921	3	0	0.0	UCR_TM	Ubiquinol cytochrome reductase transmembrane
pfam02943	3	2	66.7	FeThRed_B	Ferredoxin thioredoxin reductase catalytic
pfam03007	3	2	66.7	WES_acyltransf	Wax ester synthase-like Acyl-CoA
pfam03015	3	0	0.0	Sterile	Male sterility protein
pfam03100	3	2	66.7	CcmE	CcmE

pfam03114	3	3	100.0	BAR	BAR domain
pfam03133	3	1	33.3	TTL	Tubulin-tyrosine ligase family
pfam03137	3	2	66.7	OATP	Organic Anion Transporter Polypeptide (OATP)
pfam03222	3	1	33.3	Trp_Tyr_perm	Tryptophan/tyrosine permease family
pfam03224	3	2	66.7	V-ATPase_H_N	V-ATPase subunit H
pfam03255	3	3	100.0	ACCA	Acetyl co-enzyme A carboxylase carboxyltransferase
pfam03332	3	2	66.7	PMM	Eukaryotic phosphomannomutase
pfam03343	3	3	100.0	SART-1	SART-1 family
pfam03351	3	0	0.0	DOMON	DOMON domain
pfam03367	3	2	66.7	zf-ZPR1	ZPR1 zinc-finger domain
pfam03404	3	1	33.3	Mo-co_dimer	Mo-co oxidoreductase dimerisation domain
pfam03476	3	1	33.3	MOSC_N	MOSC N-terminal beta barrel domain
pfam03517	3	2	66.7	Voldacs	Regulator of volume decrease after cellular
pfam03540	3	2	66.7	TFIID_30kDa	Transcription initiation factor TFIID
pfam03649	3	1	33.3	UPF0014	Uncharacterized protein family (UPF0014)
pfam03656	3	3	100.0	Pam16	Pam16
pfam03669	3	0	0.0	UPF0139	Uncharacterized protein family (UPF0139)
pfam03719	3	0	0.0	Ribosomal_S5_C	Ribosomal protein S5
pfam03745	3	0	0.0	DUF309	Domain of unknown function (DUF309)
pfam03764	3	1	33.3	EFG_IV	Elongation factor G
pfam03849	3	3	100.0	Tfb2	Transcription factor Tfb2
pfam03850	3	2	66.7	Tfb4	Transcription factor Tfb4
pfam03853	3	2	66.7	YjeF_N	YjeF-related protein N-terminus
pfam03881	3	2	66.7	Fructosamin_kin	Fructosamine kinase
pfam03893	3	2	66.7	Lipase3_N	Lipase 3 N-terminal region
pfam03908	3	2	66.7	Sec20	Sec20
pfam03912	3	0	0.0	Psb28	Psb28 protein
pfam03948	3	2	66.7	Ribosomal_L9_C	Ribosomal protein L9
pfam03951	3	2	66.7	Gln-synt_N	Glutamine synthetase
pfam03969	3	3	100.0	AFG1_ATPase	AFG1-like ATPase
pfam03981	3	2	66.7	Ubiq_cyt_C_chap	Ubiquinol-cytochrome C chaperone
pfam03987	3	2	66.7	Autophagy_act_C	Autophagocytosis associated protein
pfam03998	3	2	66.7	Utp11	Utp11 protein
pfam04012	3	3	100.0	PspA_IM30	PspA/IM30 family
pfam04030	3	2	66.7	ALO	D-arabinono-1
pfam04037	3	2	66.7	DUF382	Domain of unknown function (DUF382)
pfam04054	3	3	100.0	Not1	CCR4-Not complex component
pfam04086	3	2	66.7	SRP-alpha_N	Signal recognition particle
pfam04100	3	2	66.7	Vps53_N	Vps53-like
pfam04101	3	3	100.0	Glyco_tran_28_C	Glycosyltransferase family 28
pfam04114	3	2	66.7	Gaa1	Gaa1-like
pfam04177	3	2	66.7	TAP42	TAP42-like family
pfam04181	3	2	66.7	RPAP2_Rtr1	Rtr1/RPAP2 family
pfam04182	3	3	100.0	B-block_TFIIC	B-block binding subunit of TFIIC
pfam04209	3	3	100.0	HgmA	homogentisate 1
pfam04241	3	1	33.3	DUF423	Protein of unknown function (DUF423)
pfam04266	3	3	100.0	ASCH	ASCH domain
pfam04339	3	1	33.3	FemAB_like	Peptidoglycan biosynthesis/recognition
pfam04359	3	1	33.3	DUF493	Protein of unknown function (DUF493)
pfam04434	3	0	0.0	SWIM	SWIM zinc finger
pfam04494	3	2	66.7	TFIID_NTD2	WD40 associated region in TFIID subunit
pfam04536	3	1	33.3	TPM_phosphatase	TPM domain

pfam04699	3	1	33.3	P16-Arc	ARP2/3 complex 16 kDa subunit (p16-Arc)
pfam04733	3	2	66.7	Coatomer_E	Coatomer epsilon subunit
pfam04752	3	2	66.7	ChaC	ChaC-like protein
pfam04758	3	2	66.7	Ribosomal_S30	Ribosomal protein S30
pfam04800	3	2	66.7	ETC_C1_NDUFA4	ETC complex I subunit conserved region
pfam04922	3	2	66.7	DIE2_ALG10	DIE2/ALG10 family
pfam04935	3	1	33.3	SURF6	Surfeit locus protein 6
pfam04938	3	2	66.7	SIP1	Survival motor neuron (SMN) interacting protein
pfam04959	3	3	100.0	ARS2	Arsenite-resistance protein 2
pfam04968	3	2	66.7	CHORD	CHORD
pfam04982	3	0	0.0	HPP	HPP family
pfam05022	3	2	66.7	SRP40_C	SRP40
pfam05024	3	3	100.0	Gpi1	N-acetylglucosaminyl transferase component (Gpi1)
pfam05029	3	0	0.0	TIMELESS_C	Timeless protein C terminal region
pfam05050	3	1	33.3	Methyltransf_21	Methyltransferase FkbM domain
pfam05051	3	2	66.7	COX17	Cytochrome C oxidase copper chaperone (COX17)
pfam05064	3	1	33.3	Nsp1_C	Nsp1-like C-terminal region
pfam05089	3	2	66.7	NAGLU	Alpha-N-acetylglucosaminidase (NAGLU) tim-barrel
pfam05148	3	2	66.7	Methyltransf_8	Hypothetical methyltransferase
pfam05185	3	2	66.7	PRMT5	PRMT5 arginine-N-methyltransferase
pfam05192	3	3	100.0	MutS_III	MutS domain III
pfam05198	3	2	66.7	IF3_N	Translation initiation factor IF-3
pfam05207	3	0	0.0	zf-CSL	CSL zinc finger
pfam05208	3	2	66.7	ALG3	ALG3 protein
pfam05255	3	1	33.3	UPF0220	Uncharacterized protein family (UPF0220)
pfam05282	3	3	100.0	AAR2	AAR2 protein
pfam05285	3	3	100.0	SDA1	SDA1
pfam05327	3	2	66.7	RRN3	RNA polymerase I specific transcription initiation
pfam05405	3	0	0.0	Mt_ATP-synt_B	Mitochondrial ATP synthase B chain
pfam05419	3	0	0.0	GUN4	GUN4-like
pfam05536	3	2	66.7	Neurochondrin	Neurochondrin
pfam05557	3	3	100.0	MAD	Mitotic checkpoint protein
pfam05558	3	1	33.3	DREPP	DREPP plasma membrane polypeptide
pfam05600	3	2	66.7	DUF773	Protein of unknown function (DUF773)
pfam05603	3	2	66.7	DUF775	Protein of unknown function (DUF775)
pfam05615	3	1	33.3	THOC7	Tho complex subunit 7
pfam05620	3	1	33.3	DUF788	Protein of unknown function (DUF788)
pfam05659	3	2	66.7	RPW8	Arabidopsis broad-spectrum mildew resistance
pfam05676	3	0	0.0	NDUF_B7	NADH-ubiquinone oxidoreductase B18 subunit
pfam05700	3	2	66.7	BCAS2	Breast carcinoma amplified sequence 2 (BCAS2)
pfam05743	3	1	33.3	UEV	UEV domain
pfam05786	3	3	100.0	Cnd2	Condensin complex subunit 2
pfam05794	3	2	66.7	Tcp11	T-complex protein 11
pfam05817	3	3	100.0	Ribophorin_II	Oligosaccharyltransferase subunit
pfam05859	3	1	33.3	Mis12	Mis12 protein
pfam05873	3	1	33.3	Mt_ATP-synt_D	ATP synthase D chain
pfam05907	3	2	66.7	DUF866	Eukaryotic protein of unknown function (DUF866)
pfam05958	3	3	100.0	tRNA_U5-meth_tr	tRNA (Uracil-5-)-methyltransferase
pfam05991	3	3	100.0	NYN_YacP	YacP-like NYN domain
pfam05996	3	2	66.7	Fe_bilin_red	Ferredoxin-dependent bilin reductase
pfam06090	3	3	100.0	Ins_P5_2-kin	Inositol-pentakisphosphate 2-kinase
pfam06105	3	2	66.7	Aph-1	Aph-1 protein

pfam06108	3	1	33.3	DUF952	Protein of unknown function (DUF952)
pfam06148	3	2	66.7	COG2	COG (conserved oligomeric Golgi) complex
pfam06159	3	2	66.7	DUF974	Protein of unknown function (DUF974)
pfam06179	3	2	66.7	Med22	Surfeit locus protein 5 subunit 22 of Mediator
pfam06220	3	2	66.7	zf-U1	U1 zinc finger
pfam06421	3	2	66.7	LepA_C	GTP-binding protein LepA C-terminus
pfam06427	3	3	100.0	UDP-g_GGTase	UDP-glucose:Glycoprotein
pfam06432	3	1	33.3	GPI2	Phosphatidylinositol
pfam06470	3	0	0.0	SMC_hinge	SMC proteins Flexible Hinge Domain
pfam06480	3	0	0.0	FtsH_ext	FtsH Extracellular
pfam06732	3	2	66.7	Pescadillo_N	Pescadillo N-terminus
pfam06764	3	0	0.0	DUF1223	Protein of unknown function (DUF1223)
pfam06825	3	3	100.0	HSBP1	Heat shock factor binding protein 1
pfam06839	3	2	66.7	zf-GRF	GRF zinc finger
pfam06941	3	3	100.0	NT5C	5' nucleotidase
pfam06962	3	2	66.7	rRNA_methylase	Putative rRNA methylase
pfam06984	3	2	66.7	MRP-L47	Mitochondrial 39-S ribosomal protein L47
pfam06991	3	1	33.3	MFAP1	Microfibril-associated/Pre-mRNA processing
pfam07035	3	2	66.7	Mic1	Colon cancer-associated protein Mic1-like
pfam07039	3	2	66.7	DUF1325	SGF29 tudor-like domain
pfam07052	3	1	33.3	Hep_59	Hepatocellular carcinoma-associated antigen 59
pfam07064	3	2	66.7	RIC1	RIC1
pfam07082	3	2	66.7	DUF1350	Protein of unknown function (DUF1350)
pfam07093	3	1	33.3	SGT1	SGT1 protein
pfam07106	3	1	33.3	TBPIP	Tat binding protein 1(TBP-1)-interacting protein
pfam07137	3	2	66.7	VDE	VDE lipocalin domain
pfam07172	3	0	0.0	GRP	Glycine rich protein family
pfam07189	3	2	66.7	SF3b10	Splicing factor 3B subunit 10 (SF3b10)
pfam07297	3	2	66.7	DPM2	Dolichol phosphate-mannose biosynthesis
pfam07571	3	3	100.0	TAF6_C	TAF6 C-terminal HEAT repeat domain
pfam07572	3	2	66.7	BCNT	Bucentaur or craniofacial development
pfam07576	3	2	66.7	BRAP2	BRCA1-associated protein 2
pfam07707	3	3	100.0	BACK	BTB And C-terminal Kelch
pfam07734	3	1	33.3	FBA_1	F-box associated
pfam07780	3	1	33.3	Spb1_C	Spb1 C-terminal domain
pfam07819	3	2	66.7	PGAP1	PGAP1-like protein
pfam07884	3	2	66.7	VKOR	Vitamin K epoxide reductase family
pfam07888	3	3	100.0	CALCOCO1	Calcium binding and coiled-coil domain
pfam07928	3	3	100.0	Vps54	Vps54-like protein
pfam07942	3	2	66.7	N2227	N2227-like protein
pfam07962	3	3	100.0	Swi3	Replication Fork Protection Component Swi3
pfam07985	3	2	66.7	SRR1	SRR1
pfam07995	3	3	100.0	GSDH	Glucose / Sorbosone dehydrogenase
pfam08100	3	1	33.3	Dimerisation	Dimerisation domain
pfam08146	3	1	33.3	BP28CT	BP28CT (NUC211) domain
pfam08153	3	1	33.3	NGP1NT	NGP1NT (NUC091) domain
pfam08159	3	2	66.7	NUC153	NUC153 domain
pfam08209	3	2	66.7	Sgf11	Sgf11 (transcriptional regulation protein)
pfam08211	3	0	0.0	dCMP_cyt_deam_2	Cytidine and deoxycytidylate deaminase
pfam08213	3	0	0.0	DUF1713	Mitochondrial domain of unknown function
pfam08267	3	0	0.0	Meth_synt_1	Cobalamin-independent synthase
pfam08293	3	1	33.3	MRP-S33	Mitochondrial ribosomal subunit S27

pfam08324	3	2	66.7	PUL	PUL domain
pfam08325	3	3	100.0	WLM	WLM domain
pfam08327	3	0	0.0	AHSA1	Activator of Hsp90 ATPase homolog 1-like protein
pfam08355	3	0	0.0	EF_assoc_1	EF hand associated
pfam08373	3	2	66.7	RAP	RAP domain
pfam08433	3	2	66.7	KTI12	Chromatin associated protein KTI12
pfam08442	3	3	100.0	ATP-grasp_2	ATP-grasp domain
pfam08492	3	2	66.7	SRP72	SRP72 RNA-binding domain
pfam08502	3	1	33.3	LeuA_dimer	LeuA allosteric (dimerisation) domain
pfam08511	3	2	66.7	COQ9	COQ9
pfam08541	3	1	33.3	ACP_syn_III_C	3-Oxoacyl-[acyl-carrier-protein (ACP)]
pfam08545	3	1	33.3	ACP_syn_III	3-Oxoacyl-[acyl-carrier-protein (ACP)]
pfam08597	3	2	66.7	eIF3_subunit	Translation initiation factor eIF3
pfam08606	3	2	66.7	Prp19	Prp19/Pso4-like
pfam08614	3	2	66.7	ATG16	Autophagy protein 16 (ATG16)
pfam08625	3	3	100.0	Utp13	Utp13 specific WD40 associated domain
pfam08628	3	2	66.7	Nexin_C	Sorting nexin C terminal
pfam08638	3	2	66.7	Med14	Mediator complex subunit MED14
pfam08640	3	1	33.3	U3_assoc_6	U3 small nucleolar RNA-associated protein
pfam08645	3	2	66.7	PNK3P	Polynucleotide kinase 3 phosphatase
pfam08669	3	2	66.7	GCV_T_C	Glycine cleavage T-protein C-terminal barrel
pfam08672	3	1	33.3	ANAPC2	Anaphase promoting complex (APC) subunit 2
pfam08767	3	3	100.0	CRM1_C	CRM1 C terminal
pfam08768	3	1	33.3	DUF1794	Domain of unknown function (DUF1794)
pfam08774	3	3	100.0	VRR_NUC	VRR-NUC domain
pfam08781	3	3	100.0	DP	Transcription factor DP
pfam08784	3	3	100.0	RPA_C	Replication protein A C terminal
pfam08802	3	2	66.7	CytB6-F_Fe-S	Cytochrome B6-F complex Fe-S subunit
pfam08806	3	1	33.3	Sep15_SelM	Sep15/SelM redox domain
pfam09079	3	1	33.3	Cdc6_C	CDC6
pfam09138	3	1	33.3	Urm1	Urm1 (Ubiquitin related modifier)
pfam09174	3	2	66.7	Maf1	Maf1 regulator
pfam09192	3	3	100.0	Act-Frag_cataly	Actin-fragmin kinase
pfam09341	3	1	33.3	Pcc1	Transcription factor Pcc1
pfam09348	3	0	0.0	DUF1990	Domain of unknown function (DUF1990)
pfam09350	3	1	33.3	DUF1992	Domain of unknown function (DUF1992)
pfam09370	3	1	33.3	PEP_hydrolase	Phosphoenolpyruvate hydrolase-like
pfam09402	3	2	66.7	MSC	Man1-Src1p-C-terminal domain
pfam09415	3	2	66.7	CENP-X	CENP-S associating Centromere protein X
pfam09416	3	2	66.7	UPF1_Zn_bind	RNA helicase (UPF2 interacting domain)
pfam09420	3	0	0.0	Nop16	Ribosome biogenesis protein Nop16
pfam09430	3	1	33.3	DUF2012	Protein of unknown function (DUF2012)
pfam09507	3	2	66.7	CDC27	DNA polymerase subunit Cdc27
pfam09597	3	0	0.0	IGR	IGR protein motif
pfam09668	3	1	33.3	Asp_protease	Aspartyl protease
pfam09741	3	2	66.7	DUF2045	Uncharacterized conserved protein (DUF2045)
pfam09743	3	2	66.7	DUF2042	Uncharacterized conserved protein (DUF2042)
pfam09745	3	2	66.7	DUF2040	Coiled-coil domain-containing protein 55
pfam09752	3	2	66.7	DUF2048	Abhydrolase domain containing 18
pfam09754	3	2	66.7	PAC2	PAC2 family
pfam09756	3	2	66.7	DDRKG	DDRKG domain
pfam09778	3	2	66.7	Guanylate_cyc_2	Guanylylate cyclase

pfam09801	3	2	66.7	SYS1	Integral membrane protein S linking to the trans
pfam09805	3	2	66.7	Nop25	Nucleolar protein 12 (25kDa)
pfam09816	3	2	66.7	EAF	RNA polymerase II transcription elongation factor
pfam10046	3	2	66.7	BLOC1_2	Biogenesis of lysosome-related organelles
pfam10173	3	1	33.3	Mit_KHE1	Mitochondrial K ⁺ -H ⁺ exchange-related
pfam10191	3	2	66.7	COG7	Golgi complex component 7 (COG7)
pfam10193	3	2	66.7	Telomere_reg-2	Telomere length regulation protein
pfam10203	3	2	66.7	Pet191_N	Cytochrome c oxidase assembly protein
pfam10235	3	1	33.3	Cript	Microtubule-associated protein CRIPT
pfam10251	3	1	33.3	PEN-2	Presenilin enhancer-2 subunit of gamma secretase
pfam10262	3	2	66.7	Rdx	Rdx family
pfam10343	3	1	33.3	Q_salvage	Potential Queuosine
pfam10351	3	3	100.0	Apt1	Golgi-body localization protein domain
pfam10377	3	2	66.7	ATG11	Autophagy-related protein 11
pfam10392	3	2	66.7	COG5	Golgi transport complex subunit 5
pfam10406	3	0	0.0	TAF8_C	Transcription factor TFIID complex subunit 8
pfam10408	3	2	66.7	Ufd2P_core	Ubiquitin elongating factor core
pfam10417	3	1	33.3	1-cysPrx_C	C-terminal domain of 1-Cys peroxiredoxin
pfam10469	3	2	66.7	AKAP7_NLS	AKAP7 2'5' RNA ligase-like domain
pfam10496	3	1	33.3	Syntaxin-18_N	SNARE-complex protein Syntaxin-18
pfam10601	3	1	33.3	zf-LITAF-like	LITAF-like zinc ribbon domain
pfam10615	3	2	66.7	DUF2470	Protein of unknown function (DUF2470)
pfam10664	3	2	66.7	NdhM	Cyanobacterial and plastid NDH-1 subunit M
pfam11016	3	0	0.0	DUF2854	Protein of unknown function (DUF2854)
pfam11317	3	3	100.0	DUF3119	Protein of unknown function (DUF3119)
pfam11493	3	2	66.7	TSP9	Thylakoid soluble phosphoprotein TSP9
pfam11566	3	2	66.7	PI31_Prot_N	PI31 proteasome regulator N-terminal
pfam11883	3	1	33.3	DUF3403	Domain of unknown function (DUF3403)
pfam11909	3	0	0.0	NdhN	NADH-quinone oxidoreductase cyanobacterial subunit
pfam11923	3	2	66.7	DUF3441	Domain of unknown function (DUF3441)
pfam11961	3	2	66.7	DUF3475	Domain of unknown function (DUF3475)
pfam11998	3	3	100.0	DUF3493	Protein of unknown function (DUF3493)
pfam12009	3	2	66.7	Telomerase_RBD	Telomerase ribonucleoprotein complex -
pfam12037	3	3	100.0	DUF3523	Domain of unknown function (DUF3523)
pfam12047	3	3	100.0	DNMT1-RFD	Cytosine specific DNA methyltransferase
pfam12234	3	2	66.7	Rav1p_C	RAVE protein 1 C terminal
pfam12327	3	3	100.0	FtsZ_C	FtsZ family
pfam12422	3	2	66.7	Condensin2nSMC	Condensin II non structural maintenance
pfam12451	3	1	33.3	VPS11_C	Vacuolar protein sorting protein 11 C terminal
pfam12452	3	2	66.7	DUF3685	Protein of unknown function (DUF3685)
pfam12542	3	1	33.3	CWC25	Pre-mRNA splicing factor
pfam12572	3	1	33.3	DUF3752	Protein of unknown function (DUF3752)
pfam12580	3	3	100.0	TPPII	Tripeptidyl peptidase II
pfam12624	3	3	100.0	Chorein_N	N-terminal region of Chorein or VPS13
pfam12680	3	3	100.0	SnoaL_2	SnoaL-like domain
pfam12751	3	0	0.0	Vac7	Vacuolar segregation subunit 7
pfam12830	3	3	100.0	Nipped-B_C	Sister chromatid cohesion C-terminus
pfam12838	3	3	100.0	Fer4_7	4Fe-4S dicluster domain
pfam12861	3	2	66.7	zf-ANAPC11	Anaphase-promoting complex subunit 11
pfam12972	3	1	33.3	NAGLU_C	Alpha-N-acetylglucosaminidase (NAGLU)
pfam12998	3	3	100.0	ING	Inhibitor of growth proteins N-terminal
pfam13015	3	1	33.3	PRKCSH_1	Glucosidase II beta subunit-like protein

pfam13019	3	0	0.0	Telomere_Sde2	Telomere stability and silencing
pfam13086	3	3	100.0	AAA_11	AAA domain
pfam13088	3	3	100.0	BNR_2	BNR repeat-like domain
pfam13233	3	2	66.7	Complex1_LYR_2	Complex1_LYR-like
pfam13297	3	1	33.3	Telomere_Sde2_2	Telomere stability C-terminal
pfam13320	3	2	66.7	DUF4091	Domain of unknown function (DUF4091)
pfam13324	3	2	66.7	GICIP	Grap2 and cyclin-D-interacting
pfam13378	3	1	33.3	MR_MLE_C	Enolase C-terminal domain-like
pfam13398	3	3	100.0	Peptidase_M50B	Peptidase M50B-like
pfam13476	3	2	66.7	AAA_23	AAA domain
pfam13481	3	3	100.0	AAA_25	AAA domain
pfam13507	3	1	33.3	GATase_5	CobB/CobQ-like glutamine amidotransferase
pfam13513	3	3	100.0	HEAT_EZ	HEAT-like repeat
pfam13540	3	1	33.3	RCC1_2	Regulator of chromosome condensation (RCC1)
pfam13662	3	3	100.0	Toprim_4	Toprim domain
pfam13718	3	3	100.0	GNAT_acetyltr_2	GNAT acetyltransferase 2
pfam13725	3	0	0.0	tRNA_bind_2	Possible tRNA binding domain
pfam13764	3	2	66.7	E3_UbLigase_R4	E3 ubiquitin-protein ligase UBR4
pfam13771	3	2	66.7	zf-HC5HC2H	PHD-like zinc-binding domain
pfam13806	3	0	0.0	Rieske_2	Rieske-like [2Fe-2S] domain
pfam13821	3	1	33.3	DUF4187	Domain of unknown function (DUF4187)
pfam13874	3	2	66.7	Nup54	Nucleoporin complex subunit 54
pfam13898	3	2	66.7	DUF4205	Domain of unknown function (DUF4205)
pfam13899	3	1	33.3	Thioredoxin_7	Thioredoxin-like
pfam13934	3	2	66.7	ELYS	Nuclear pore complex assembly
pfam14108	3	3	100.0	DUF4281	Domain of unknown function (DUF4281)
pfam14622	3	1	33.3	Ribonucleas_3_3	Ribonuclease-III-like
pfam14629	3	1	33.3	ORC4_C	Origin recognition complex (ORC) subunit 4
pfam14630	3	2	66.7	ORC5_C	Origin recognition complex (ORC) subunit 5
pfam14633	3	3	100.0	SH2_2	SH2 domain
pfam14683	3	3	100.0	CBM-like	Polysaccharide lyase family 4
pfam14693	3	2	66.7	Ribosomal_TL5_C	Ribosomal protein TL5
pfam14736	3	1	33.3	N_Asn_amidohyd	Protein N-terminal asparagine
pfam14749	3	1	33.3	Acyl-CoA_ox_N	Acyl-coenzyme A oxidase N-terminal
pfam14778	3	2	66.7	ODR4-like	Olfactory receptor 4-like
pfam14803	3	2	66.7	Nudix_N_2	Nudix N-terminal
pfam14833	3	0	0.0	NAD_binding_11	NAD-binding of NADP-dependent
pfam14870	3	3	100.0	PSII_BNR	Photosynthesis system II assembly factor
pfam14932	3	1	33.3	HAUS-augmin3	HAUS augmin-like complex subunit 3
pfam14990	3	2	66.7	DUF4516	Domain of unknown function (DUF4516)
pfam15011	3	2	66.7	CK2S	Casein Kinase 2 substrate
pfam15630	3	2	66.7	CENP-S	CENP-S protein
pfam15906	3	0	0.0	zf-NOSIP	Zinc-finger of nitric oxide
pfam16158	3	2	66.7	N_BRCA1_IG	Ig-like domain from next to BRCA1 gene
pfam16188	3	0	0.0	Peptidase_M24_C	C-terminal region of peptidase_M24
pfam16203	3	0	0.0	ERCC3_RAD25_C	ERCC3/RAD25/XPB C-terminal helicase
pfam16206	3	3	100.0	Mon2_C	C-terminal region of Mon2 protein
pfam16294	3	2	66.7	RSB_motif	RNSP1-SAP18 binding (RSB) motif
pfam16455	3	2	66.7	UBD	Ubiquitin-binding domain
pfam16582	3	1	33.3	TPP_enzyme_M_2	Middle domain of thiamine pyrophosphate
pfam16661	3	3	100.0	Lactamase_B_6	Metallo-beta-lactamase superfamily
pfam16679	3	2	66.7	CDT1_C	DNA replication factor Cdt1 C-terminal domain

pfam16711	3	0	0.0	SCAB-ABD	Actin-binding domain of plant-specific
pfam16720	3	2	66.7	Albumin_I_a	Albumin I chain a
pfam16740	3	0	0.0	SKA2	Spindle and kinetochore-associated protein 2
pfam16969	3	2	66.7	SRP68	RNA-binding signal recognition particle 68
pfam16974	3	0	0.0	NAR2	High-affinity nitrate transporter accessory
pfam17047	3	2	66.7	SMP_LBD	Synaptotagmin-like mitochondrial-lipid-binding
pfam17048	3	0	0.0	Ceramidse_alk_C	Neutral/alkaline non-lysosomal
pfam17123	3	1	33.3	zf-RING_11	RING-like zinc finger
pfam00018	2	2	100.0	SH3_1	SH3 domain
pfam00032	2	0	0.0	Cytochrom_B_C	Cytochrome b(C-terminal)/b6/petD
pfam00119	2	0	0.0	ATP-synt_A	ATP synthase A chain
pfam00144	2	1	50.0	Beta-lactamase	Beta-lactamase
pfam00181	2	0	0.0	Ribosomal_L2	Ribosomal Proteins L2
pfam00204	2	2	100.0	DNA_gyraseB	DNA gyrase B
pfam00205	2	1	50.0	TPP_enzyme_M	Thiamine pyrophosphate enzyme
pfam00218	2	2	100.0	IGPS	Indole-3-glycerol phosphate synthase
pfam00290	2	2	100.0	Trp_syntA	Tryptophan synthase alpha chain
pfam00329	2	0	0.0	Complex1_30kDa	Respiratory-chain NADH dehydrogenase
pfam00405	2	1	50.0	Transferrin	Transferrin
pfam00449	2	2	100.0	Urease_alpha	Urease alpha-subunit
pfam00510	2	0	0.0	COX3	Cytochrome c oxidase subunit III
pfam00580	2	0	0.0	UvrD-helicase	UvrD/REP helicase N-terminal domain
pfam00630	2	2	100.0	Filamin	Filamin/ABP280 repeat
pfam00641	2	2	100.0	zf-RanBP	Zn-finger in Ran binding protein and others
pfam00648	2	2	100.0	Peptidase_C2	Calpain family cysteine protease
pfam00677	2	0	0.0	Lum_binding	Lumazine binding domain
pfam00692	2	0	0.0	dUTPase	dUTPase
pfam00698	2	2	100.0	Acyl_transf_1	Acyl transferase domain
pfam00705	2	1	50.0	PCNA_N	Proliferating cell nuclear antigen
pfam00708	2	1	50.0	Acylphosphatase	Acylphosphatase
pfam00786	2	2	100.0	PBD	P21-Rho-binding domain
pfam00793	2	2	100.0	DAHP_synt_1	DAHP synthetase I family
pfam00885	2	1	50.0	DMRL_syntase	
pfam00920	2	1	50.0	ILVD_EDD	Dehydratase family
pfam00925	2	1	50.0	GTP_cyclohydro2	GTP cyclohydrolase II
pfam01010	2	0	0.0	Proton_antipo_C	NADH-dehydrogenase subunit F
pfam01029	2	2	100.0	NusB	NusB family
pfam01039	2	2	100.0	Carboxyl_trans	Carboxyl transferase domain
pfam01075	2	1	50.0	Glyco_transf_9	Glycosyltransferase family 9
pfam01084	2	1	50.0	Ribosomal_S18	Ribosomal protein S18
pfam01113	2	1	50.0	DapB_N	Dihydrodipicolinate reductase
pfam01116	2	1	50.0	F_bp_aldolase	Fructose-bisphosphate aldolase class-II
pfam01126	2	1	50.0	Heme_oxygenase	Heme oxygenase
pfam01142	2	2	100.0	TruD	tRNA pseudouridine synthase D (TruD)
pfam01152	2	1	50.0	Bac_globin	Bacterial-like globin
pfam01154	2	1	50.0	HMG_CoA_synt_N	Hydroxymethylglutaryl-coenzyme A
pfam01170	2	2	100.0	UPF0020	Putative RNA methylase family UPF0020
pfam01192	2	2	100.0	RNA_pol_Rpb6	RNA polymerase Rpb6
pfam01197	2	1	50.0	Ribosomal_L31	Ribosomal protein L31
pfam01256	2	2	100.0	Carb_kinase	Carbohydrate kinase
pfam01257	2	2	100.0	2Fe-2S_thioredx	Thioredoxin-like [2Fe-2S] ferredoxin
pfam01259	2	2	100.0	SAICAR_synt	SAICAR synthetase

pfam01264	2	2	100.0	Chorismate_synt	Chorismate synthase
pfam01267	2	2	100.0	F-actin_cap_A	F-actin capping protein alpha subunit
pfam01276	2	1	50.0	OKR_DC_1	Orn/Lys/Arg decarboxylase
pfam01302	2	2	100.0	CAP_GLY	CAP-Gly domain
pfam01336	2	1	50.0	tRNA_anti-codon	OB-fold nucleic acid binding domain
pfam01348	2	1	50.0	Intron_maturas2	Type II intron maturase
pfam01351	2	1	50.0	RNase_HII	Ribonuclease HII
pfam01386	2	1	50.0	Ribosomal_L25p	Ribosomal L25p family
pfam01424	2	2	100.0	R3H	R3H domain
pfam01451	2	1	50.0	LMWPc	Low molecular weight phosphotyrosine protein
pfam01471	2	2	100.0	PG_binding_1	Putative peptidoglycan binding domain
pfam01502	2	1	50.0	PRA-CH	Phosphoribosyl-AMP cyclohydrolase
pfam01509	2	2	100.0	TruB_N	TruB family pseudouridylate synthase (N terminal
pfam01624	2	2	100.0	MutS_I	MutS domain I
pfam01676	2	1	50.0	Metalloenzyme	Metalloenzyme superfamily
pfam01678	2	1	50.0	DAP_epimerase	Diaminopimelate epimerase
pfam01687	2	2	100.0	Flavokinase	Riboflavin kinase
pfam01698	2	1	50.0	FLO_LFY	Floricaula / Leafy protein
pfam01712	2	1	50.0	dNK	Deoxynucleoside kinase
pfam01713	2	1	50.0	Smr	Smr domain
pfam01737	2	0	0.0	Ycf9	YCF9
pfam01774	2	2	100.0	UreD	UreD urease accessory protein
pfam01782	2	2	100.0	RimM	RimM N-terminal domain
pfam01795	2	2	100.0	Methyltransf_5	MraW methylase family
pfam01820	2	2	100.0	Dala_Dala_lig_N	D-ala D-ala ligase N-terminus
pfam01841	2	2	100.0	Transglut_core	Transglutaminase-like superfamily
pfam01875	2	1	50.0	Memo	Memo-like protein
pfam01896	2	1	50.0	DNA_primase_S	DNA primase small subunit
pfam01900	2	2	100.0	RNase_P_Rpp14	Rpp14/Pop5 family
pfam01916	2	1	50.0	DS	Deoxyhypusine synthase
pfam01927	2	2	100.0	Mut7-C	Mut7-C RNase domain
pfam01959	2	2	100.0	DHQS	3-dehydroquinate synthase (EC 4
pfam01987	2	2	100.0	AIM24	Mitochondrial biogenesis AIM24
pfam02002	2	2	100.0	TFIIE_alpha	TFIIE alpha subunit
pfam02092	2	2	100.0	tRNA_synt_2f	Glycyl-tRNA synthetase beta subunit
pfam02110	2	1	50.0	HK	Hydroxyethylthiazole kinase family
pfam02137	2	2	100.0	A_deamin	Adenosine-deaminase (editase) domain
pfam02149	2	0	0.0	KA1	Kinase associated domain 1
pfam02219	2	2	100.0	MTHFR	Methylenetetrahydrofolate reductase
pfam02272	2	1	50.0	DHHA1	DHHA1 domain
pfam02320	2	2	100.0	UCR_hinge	Ubiquinol-cytochrome C reductase hinge
pfam02423	2	0	0.0	OCD_Mu_crystall	Ornithine cyclodeaminase/mu-crystallin
pfam02502	2	0	0.0	LacAB_rpiB	Ribose/Galactose Isomerase
pfam02533	2	0	0.0	PsbK	Photosystem II 4 kDa reaction centre component
pfam02537	2	2	100.0	CRCB	CrcB-like protein
pfam02538	2	0	0.0	Hydantoinase_B	Hydantoinase B/oxoprolinase
pfam02540	2	2	100.0	NAD_synthase	NAD synthase
pfam02575	2	2	100.0	YbaB_DNA_bd	YbaB/Ebfc DNA-binding family
pfam02585	2	2	100.0	PIG-L	GlcNAc-PI de-N-acetylase
pfam02606	2	2	100.0	LpxK	Tetraacyldisaccharide-1-P 4'-kinase
pfam02628	2	2	100.0	COX15-CtaA	Cytochrome oxidase assembly protein
pfam02629	2	1	50.0	CoA_binding	CoA binding domain

pfam02631	2	2	100.0	RecX	RecX family
pfam02636	2	2	100.0	Methyltransf_28	Putative
pfam02637	2	2	100.0	GatB_Yqey	GatB domain
pfam02679	2	2	100.0	ComA	(2R)-phospho-3-sulfolactate synthase (ComA)
pfam02686	2	2	100.0	Glu-tRNAGln	Glu-tRNAGln amidotransferase C subunit
pfam02731	2	1	50.0	SKIP_SNW	SKIP/SNW domain
pfam02739	2	2	100.0	5_3_exonuc_N	5'-3' exonuclease
pfam02751	2	1	50.0	TFIIA_gamma_C	Transcription initiation factor IIA
pfam02765	2	2	100.0	POT1	Telomeric single stranded DNA binding POT1/CDC13
pfam02769	2	0	0.0	AIRS_C	AIR synthase related protein
pfam02774	2	1	50.0	Semialdehyde_dhC	Semialdehyde dehydrogenase
pfam02840	2	2	100.0	Prp18	Prp18 domain
pfam02841	2	1	50.0	GBP_C	Guanylate-binding protein
pfam02862	2	1	50.0	DDHD	DDHD domain
pfam02874	2	0	0.0	ATP-synt_ab_N	ATP synthase alpha/beta family
pfam02877	2	1	50.0	PARP_reg	Poly(ADP-ribose) polymerase
pfam02883	2	2	100.0	Alpha_adaptinC2	Adaptin C-terminal domain
pfam02906	2	2	100.0	Fe_hyd_lg_C	Iron only hydrogenase large subunit
pfam02910	2	1	50.0	Succ_DH_flav_C	Fumarate reductase flavoprotein C-term
pfam02913	2	1	50.0	FAD-oxidase_C	FAD linked oxidases
pfam02926	2	2	100.0	THUMP	THUMP domain
pfam02970	2	2	100.0	TBCA	Tubulin binding cofactor A
pfam02987	2	1	50.0	LEA_4	Late embryogenesis abundant protein
pfam03034	2	2	100.0	PSS	Phosphatidyl serine synthase
pfam03095	2	0	0.0	PTPA	Phosphotyrosyl phosphate activator (PTPA) protein
pfam03147	2	0	0.0	FDX-ACB	Ferredoxin-fold anticodon binding domain
pfam03167	2	1	50.0	UDG	Uracil DNA glycosylase superfamily
pfam03190	2	2	100.0	Thioredox_DsbH	Protein of unknown function
pfam03193	2	2	100.0	DUF258	Protein of unknown function
pfam03385	2	0	0.0	DUF288	Protein of unknown function
pfam03417	2	1	50.0	AAT	Acyl-coenzyme A:6-aminopenicillanic acid
pfam03460	2	1	50.0	NIR_SIR_ferr	Nitrite/Sulfite reductase
pfam03465	2	0	0.0	eRF1_3	eRF1 domain 3
pfam03484	2	2	100.0	B5	tRNA synthetase B5 domain
pfam03486	2	2	100.0	HI0933_like	HI0933-like protein
pfam03522	2	0	0.0	SLC12	Solute carrier family 12
pfam03568	2	2	100.0	Peptidase_C50	Peptidase family C50
pfam03602	2	2	100.0	Cons_hypoth95	Conserved hypothetical protein 95
pfam03661	2	2	100.0	UPF0121	Uncharacterized protein family (UPF0121)
pfam03665	2	2	100.0	UPF0172	Uncharacterized protein family (UPF0172)
pfam03692	2	1	50.0	CxxCxxCC	Putative zinc- or iron-chelating domain
pfam03720	2	0	0.0	UDPG_MGDP_dh_C	UDP-glucose/GDP-mannose dehydrogenase
pfam03741	2	2	100.0	TerC	Integral membrane protein TerC family
pfam03770	2	0	0.0	IPK	Inositol polyphosphate kinase
pfam03801	2	1	50.0	Ndc80_HEC	HEC/Ndc80p family
pfam03803	2	2	100.0	Scramblase	Scramblase
pfam03813	2	2	100.0	Nrap	Nrap protein
pfam03834	2	2	100.0	Rad10	Binding domain of DNA repair protein Ercc1
pfam03839	2	0	0.0	Sec62	Translocation protein Sec62
pfam03896	2	2	100.0	TRAP_alpha	Translocon-associated protein (TRAP)
pfam03918	2	2	100.0	CcmH	Cytochrome C biogenesis protein
pfam03919	2	1	50.0	mRNA_cap_C	mRNA capping enzyme

pfam03938	2	2	100.0	OmpH	Outer membrane protein (OmpH-like)
pfam03950	2	0	0.0	tRNA-synt_1c_C	tRNA synthetases class I (E and Q)
pfam03952	2	0	0.0	Enolase_N	Enolase
pfam03985	2	2	100.0	Paf1	Paf1
pfam04004	2	2	100.0	Leo1	Leo1-like protein
pfam04005	2	0	0.0	Hus1	Hus1-like protein
pfam04032	2	2	100.0	Rpr2	RNAse P Rpr2/Rpp21/SNM1 subunit domain
pfam04034	2	2	100.0	DUF367	Domain of unknown function (DUF367)
pfam04048	2	2	100.0	Sec8_exocyst	Sec8 exocyst complex component specific
pfam04056	2	2	100.0	Ssl1	Ssl1-like
pfam04062	2	2	100.0	P21-Arc	ARP2/3 complex ARPC3 (21 kDa) subunit
pfam04104	2	2	100.0	DNA_primase_lrg	Eukaryotic and archaeal DNA primase
pfam04106	2	2	100.0	APG5	Autophagy protein Apg5
pfam04112	2	2	100.0	Mak10	Mak10 subunit
pfam04124	2	2	100.0	Dor1	Dor1-like family
pfam04127	2	2	100.0	DFP	DNA / pantothenate metabolism flavoprotein
pfam04129	2	2	100.0	Vps52	Vps52 / Sac2 family
pfam04135	2	2	100.0	Nop10p	Nucleolar RNA-binding protein
pfam04136	2	2	100.0	Sec34	Sec34-like family
pfam04139	2	2	100.0	Rad9	Rad9
pfam04158	2	2	100.0	Sof1	Sof1-like domain
pfam04161	2	2	100.0	Arv1	Arv1-like family
pfam04188	2	2	100.0	Mannosyl_trans2	Mannosyltransferase (PIG-V)
pfam04189	2	2	100.0	Gcd10p	Gcd10p family
pfam04192	2	2	100.0	Utp21	Utp21 specific WD40 associated putative domain
pfam04263	2	2	100.0	TPK_catalytic	Thiamin pyrophosphokinase
pfam04430	2	1	50.0	DUF498	Protein of unknown function (DUF498/DUF598)
pfam04431	2	0	0.0	Pec_lyase_N	Pectate lyase
pfam04452	2	2	100.0	Methyltrans_RNA	RNA methyltransferase
pfam04481	2	2	100.0	DUF561	Protein of unknown function (DUF561)
pfam04488	2	2	100.0	Gly_transf_sug	Glycosyltransferase sugar-binding region
pfam04493	2	1	50.0	Endonuclease_5	Endonuclease V
pfam04506	2	2	100.0	Rft-1	Rft protein
pfam04551	2	2	100.0	GcpE	GcpE protein
pfam04560	2	0	0.0	RNA_pol_Rpb2_7	RNA polymerase Rpb2
pfam04563	2	2	100.0	RNA_pol_Rpb2_1	RNA polymerase beta subunit
pfam04603	2	2	100.0	Mog1	Ran-interacting Mog1 protein
pfam04615	2	2	100.0	Utp14	Utp14 protein
pfam04683	2	2	100.0	Proteasom_Rpn13	Proteasome complex subunit Rpn13
pfam04696	2	2	100.0	Pinin_SDK_memA	pinin/SDK/memA/ protein conserved
pfam04707	2	1	50.0	PRELI	PRELI-like family
pfam04719	2	1	50.0	TAFII28	hTAFII28-like protein conserved region
pfam04751	2	1	50.0	DUF615	Protein of unknown function (DUF615)
pfam04801	2	0	0.0	Sin_N	Sin-like protein conserved region
pfam04821	2	2	100.0	TIMELESS	Timeless protein
pfam04839	2	1	50.0	PSRP-3_Ycf65	Plastid and cyanobacterial ribosomal
pfam04841	2	2	100.0	Vps16_N	Vps16
pfam04855	2	2	100.0	SNF5	SNF5 / SMARCB1 / INI1
pfam04863	2	0	0.0	EGF_alliinase	Alliinase EGF-like domain
pfam04882	2	1	50.0	Peroxin-3	Peroxin-3
pfam04921	2	2	100.0	XAP5	XAP5
pfam04939	2	2	100.0	RRS1	Ribosome biogenesis regulatory protein (RRS1)

pfam05007	2	1	50.0	Mannosyl_trans	Mannosyltransferase (PIG-M)
pfam05021	2	1	50.0	NPL4	NPL4 family
pfam05023	2	2	100.0	Phytochelatin	Phytochelatin synthase
pfam05093	2	1	50.0	CIAPIN1	Cytokine-induced anti-apoptosis inhibitor 1
pfam05131	2	2	100.0	Pep3_Vps18	Pep3/Vps18/deep orange family
pfam05140	2	2	100.0	ResB	ResB-like family
pfam05187	2	1	50.0	ETF_QO	Electron transfer flavoprotein-ubiquinone
pfam05216	2	2	100.0	UNC-50	UNC-50 family
pfam05254	2	1	50.0	UPF0203	Uncharacterized protein family (UPF0203)
pfam05291	2	2	100.0	Bystin	Bystin
pfam05292	2	2	100.0	MCD	Malonyl-CoA decarboxylase (MCD)
pfam05460	2	2	100.0	ORC6	Origin recognition complex subunit 6 (ORC6)
pfam05462	2	2	100.0	Dicty_CAR	Slime mold cyclic AMP receptor
pfam05602	2	2	100.0	CLPTM1	Cleft lip and palate transmembrane protein 1
pfam05625	2	2	100.0	PAXNEB	PAXNEB protein
pfam05667	2	2	100.0	DUF812	Protein of unknown function (DUF812)
pfam05670	2	2	100.0	DUF814	Domain of unknown function (DUF814)
pfam05818	2	1	50.0	TraT	Enterobacterial TraT complement resistance
pfam05871	2	2	100.0	ESCRT-II	ESCRT-II complex subunit
pfam05887	2	2	100.0	Trypan_PARP	Procyclic acidic repetitive protein (PARP)
pfam05918	2	2	100.0	API5	Apoptosis inhibitory protein 5 (API5)
pfam05971	2	2	100.0	Methyltransf_10	Protein of unknown function (DUF890)
pfam05983	2	1	50.0	Med7	MED7 protein
pfam06025	2	2	100.0	DUF913	Domain of Unknown Function (DUF913)
pfam06071	2	2	100.0	YchF-GTPase_C	Protein of unknown function (DUF933)
pfam06087	2	2	100.0	Tyr-DNA_phospho	Tyrosyl-DNA phosphodiesterase
pfam06102	2	2	100.0	DUF947	Domain of unknown function (DUF947)
pfam06113	2	1	50.0	BRE	Brain and reproductive organ-expressed protein
pfam06172	2	1	50.0	Cupin_5	Cupin superfamily (DUF985)
pfam06206	2	2	100.0	CpeT	CpeT/CpcT family (DUF1001)
pfam06280	2	0	0.0	fn3_5	Fn3-like domain
pfam06331	2	2	100.0	Tfb5	Transcription factor TFIID complex subunit Tfb5
pfam06423	2	1	50.0	GWT1	GWT1
pfam06463	2	2	100.0	Mob_synth_C	Molybdenum Cofactor Synthesis C
pfam06487	2	1	50.0	SAP18	Sin3 associated polypeptide p18 (SAP18)
pfam06574	2	1	50.0	FAD_syn	FAD synthetase
pfam06602	2	2	100.0	Myotub-related	Myotubularin-like phosphatase domain
pfam06628	2	1	50.0	Catalase-rel	Catalase-related immune-responsive
pfam06632	2	2	100.0	XRCC4	DNA double-strand break repair and V(D)J
pfam06644	2	0	0.0	ATP11	ATP11 protein
pfam06658	2	0	0.0	DUF1168	Protein of unknown function (DUF1168)
pfam06728	2	2	100.0	PIG-U	GPI transamidase subunit PIG-U
pfam06792	2	1	50.0	UPF0261	Uncharacterized protein family (UPF0261)
pfam06838	2	2	100.0	Met_gamma_lyase	Methionine gamma-lyase
pfam06842	2	2	100.0	DUF1242	Protein of unknown function (DUF1242)
pfam06862	2	2	100.0	UTP25	Utp25
pfam06881	2	1	50.0	Elongin_A	RNA polymerase II transcription factor SIII
pfam06979	2	0	0.0	TMEM70	Assembly
pfam07103	2	2	100.0	DUF1365	Protein of unknown function (DUF1365)
pfam07156	2	0	0.0	Prenylcys_lyase	Prenylcysteine lyase
pfam07160	2	1	50.0	SKA1	Spindle and kinetochore-associated protein 1
pfam07264	2	2	100.0	EI24	Etoposide-induced protein 2

pfam07287	2	1	50.0	DUF1446	Protein of unknown function (DUF1446)
pfam07303	2	2	100.0	Occludin_ELL	Occludin homology domain
pfam07541	2	0	0.0	EIF_2_alpha	Eukaryotic translation initiation factor 2
pfam07542	2	1	50.0	ATP12	ATP12 chaperone protein
pfam07713	2	2	100.0	DUF1604	Protein of unknown function (DUF1604)
pfam07728	2	2	100.0	AAA_5	AAA domain (dynein-related subfamily)
pfam07743	2	2	100.0	HSCB_C	HSCB C-terminal oligomerization domain
pfam07774	2	2	100.0	DUF1620	Protein of unknown function (DUF1620)
pfam07786	2	2	100.0	DUF1624	Protein of unknown function (DUF1624)
pfam07807	2	2	100.0	RED_C	RED-like protein C-terminal region
pfam07814	2	2	100.0	WAPL	Wings apart-like protein regulation of
pfam07817	2	1	50.0	GLE1	GLE1-like protein
pfam07818	2	2	100.0	HCNGP	HCNGP-like protein
pfam07855	2	1	50.0	ATG101	Autophagy-related protein 101
pfam07890	2	2	100.0	Rrp15p	Rrp15p
pfam07934	2	1	50.0	OGG_N	8-oxoguanine DNA glycosylase
pfam07959	2	2	100.0	Fucokinase	L-fucokinase
pfam07969	2	2	100.0	Amidohydro_3	Amidohydrolase family
pfam07991	2	0	0.0	IlvN	Acetohydroxy acid isomeroeductase
pfam08007	2	2	100.0	Cupin_4	Cupin superfamily protein
pfam08083	2	0	0.0	PROCN	PROCN (NUC071) domain
pfam08144	2	2	100.0	CPL	CPL (NUC119) domain
pfam08145	2	2	100.0	BOP1NT	BOP1NT (NUC169) domain
pfam08167	2	2	100.0	RIX1	rRNA processing/ribosome biogenesis
pfam08170	2	1	50.0	POPLD	POPLD (NUC188) domain
pfam08172	2	2	100.0	CASP_C	CASP C terminal
pfam08186	2	0	0.0	Wound_ind	Wound-inducible basic protein family
pfam08221	2	2	100.0	HTH_9	RNA polymerase III subunit RPC82
pfam08231	2	2	100.0	SYF2	SYF2 splicing factor
pfam08243	2	2	100.0	SPT2	SPT2 chromatin protein
pfam08244	2	0	0.0	Glyco_hydro_32C	Glycosyl hydrolases family 32 C
pfam08264	2	2	100.0	Anticodon_1	Anticodon-binding domain of tRNA
pfam08271	2	1	50.0	TF_Zn_Ribbon	TFIIB zinc-binding
pfam08282	2	1	50.0	Hydrolase_3	haloacid dehalogenase-like hydrolase
pfam08285	2	2	100.0	DPM3	Dolichol-phosphate mannosyltransferase subunit 3
pfam08295	2	2	100.0	Sin3_corepress	Sin3 family co-repressor
pfam08312	2	0	0.0	cwf21	cwf21 domain
pfam08314	2	2	100.0	Sec39	Secretory pathway protein Sec39
pfam08317	2	1	50.0	Spc7	Spc7 kinetochore protein
pfam08320	2	2	100.0	PIG-X	PIG-X / PBN1
pfam08321	2	2	100.0	PPP5	PPP5 TPR repeat region
pfam08370	2	1	50.0	PDR_assoc	Plant PDR ABC transporter associated
pfam08378	2	2	100.0	NERD	Nuclease-related domain
pfam08424	2	2	100.0	NRDE-2	NRDE-2
pfam08506	2	0	0.0	Cse1	Cse1
pfam08507	2	1	50.0	COPI_assoc	COPI associated protein
pfam08510	2	2	100.0	PIG-P	PIG-P
pfam08538	2	2	100.0	DUF1749	Protein of unknown function (DUF1749)
pfam08568	2	2	100.0	Kinetochor_Ybp2	Uncharacterized protein family
pfam08585	2	1	50.0	RMI1_N	RecQ mediated genome instability protein
pfam08608	2	1	50.0	Wyosine_form	Wyosine base formation
pfam08615	2	0	0.0	RNase_H2_suC	Ribonuclease H2 non-catalytic subunit

pfam08620	2	2	100.0	RPAP1_C	RPAP1-like
pfam08623	2	2	100.0	TIP120	TATA-binding protein interacting (TIP20)
pfam08626	2	2	100.0	TRAPPC9-Trs120	Transport protein Trs120 or TRAPPC9
pfam08631	2	0	0.0	SPO22	Meiosis protein SPO22/ZIP4 like
pfam08652	2	2	100.0	RAI1	RAI1 like PD-(D/E)XK nuclease
pfam08676	2	2	100.0	MutL_C	MutL C terminal dimerisation domain
pfam08694	2	1	50.0	UFC1	Ubiquitin-fold modifier-conjugating enzyme 1
pfam08701	2	2	100.0	GN3L_Grn1	GNL3L/Grn1 putative GTPase
pfam08712	2	2	100.0	Nfu_N	Scaffold protein Nfu/NifU N terminal
pfam08737	2	2	100.0	Rgp1	Rgp1
pfam08783	2	2	100.0	DWNN	DWNN domain
pfam08785	2	0	0.0	Ku_PK_bind	Ku C terminal domain like
pfam08790	2	2	100.0	zf-LYAR	LYAR-type C2HC zinc finger
pfam08799	2	2	100.0	PRP4	pre-mRNA processing factor 4 (PRP4) like
pfam08839	2	2	100.0	CDT1	DNA replication factor CDT1 like
pfam08847	2	2	100.0	DUF1817	Domain of unknown function (DUF1817)
pfam08996	2	0	0.0	zf-DNA_Pol	DNA Polymerase alpha zinc finger
pfam09088	2	2	100.0	MIF4G_like	MIF4G like
pfam09139	2	2	100.0	Mmp37	Mitochondrial matrix Mmp37
pfam09173	2	2	100.0	eIF2_C	Initiation factor eIF2 gamma
pfam09184	2	2	100.0	PPP4R2	PPP4R2
pfam09282	2	2	100.0	Mago-bind	Mago binding
pfam09325	2	1	50.0	Vps5	Vps5 C terminal like
pfam09333	2	2	100.0	ATG_C	Autophagy-related protein C terminal domain
pfam09340	2	2	100.0	NuA4	Histone acetyltransferase subunit NuA4
pfam09368	2	2	100.0	Sas10	Sas10 C-terminal domain
pfam09377	2	2	100.0	SBDS_C	SBDS protein C-terminal domain
pfam09440	2	2	100.0	eIF3_N	eIF3 subunit 6 N terminal domain
pfam09445	2	2	100.0	Methyltransf_15	RNA cap guanine-N2 methyltransferase
pfam09451	2	2	100.0	ATG27	Autophagy-related protein 27
pfam09468	2	2	100.0	RNase_H2-Ydr279	Ydr279p protein family (RNase H2)
pfam09496	2	2	100.0	CENP-O	Cenp-O kinetochore centromere component
pfam09532	2	0	0.0	FDF	FDF domain
pfam09696	2	0	0.0	Ctf8	Ctf8
pfam09725	2	2	100.0	Fra10Ac1	Folate-sensitive fragile site protein
pfam09728	2	1	50.0	Taxilin	Myosin-like coiled-coil protein
pfam09746	2	2	100.0	Membralin	tumor-associated protein
pfam09747	2	1	50.0	DUF2052	Coiled-coil domain containing protein
pfam09748	2	2	100.0	Med10	Transcription factor subunit Med10 of Mediator
pfam09750	2	2	100.0	DRY_EERY	Alternative splicing regulator
pfam09751	2	0	0.0	Es2	Nuclear protein Es2
pfam09759	2	2	100.0	Atx10homo_assoc	Spinocerebellar ataxia type 10 protein
pfam09762	2	2	100.0	KOG2701	Coiled-coil domain-containing protein
pfam09764	2	1	50.0	Nt_Gln_amidase	N-terminal glutamine amidase
pfam09783	2	2	100.0	Vac_ImportDeg	Vacuolar import and degradation protein
pfam09786	2	1	50.0	CytochromB561_N	Cytochrome B561
pfam09797	2	2	100.0	NatB_MDM20	N-acetyltransferase B complex (NatB) non
pfam09809	2	2	100.0	MRP-L27	Mitochondrial ribosomal protein L27
pfam09810	2	0	0.0	Exo5	Exonuclease V - a 5' deoxyribonuclease
pfam10063	2	1	50.0	DUF2301	Uncharacterized integral membrane protein
pfam10143	2	2	100.0	PhosphMutase	
pfam10150	2	2	100.0	RNase_E_G	Ribonuclease E/G family

pfam10153	2	2	100.0	Efg1	rRNA-processing protein Efg1
pfam10155	2	2	100.0	DUF2363	Uncharacterized conserved protein (DUF2363)
pfam10159	2	1	50.0	MMtag	Kinase phosphorylation protein
pfam10163	2	2	100.0	EnY2	Transcription factor e(y)2
pfam10168	2	2	100.0	Nup88	Nuclear pore component
pfam10178	2	2	100.0	PAC3	Proteasome assembly chaperone 3
pfam10181	2	2	100.0	PIG-H	GPI-GlcNAc transferase complex
pfam10197	2	2	100.0	Cir_N	N-terminal domain of CBF1 interacting
pfam10218	2	2	100.0	DUF2054	Uncharacterized conserved protein (DUF2054)
pfam10220	2	2	100.0	Smg8_Smg9	Smg8_Smg9
pfam10230	2	2	100.0	LIDHydrolase	Lipid-droplet associated hydrolase
pfam10238	2	1	50.0	Eapp_C	E2F-associated phosphoprotein
pfam10241	2	0	0.0	KxDL	Uncharacterized conserved protein
pfam10247	2	2	100.0	Romo1	Reactive mitochondrial oxygen species modulator
pfam10253	2	0	0.0	PRCC	Mitotic checkpoint regulator
pfam10260	2	2	100.0	SAYSvFN	Uncharacterized conserved domain (SAYSvFN)
pfam10276	2	2	100.0	zf-CHCC	Zinc-finger domain
pfam10280	2	2	100.0	Med11	Mediator complex protein
pfam10382	2	2	100.0	DUF2439	Protein of unknown function (DUF2439)
pfam10431	2	0	0.0	ClpB_D2-small	C-terminal
pfam10441	2	1	50.0	Urb2	Urb2/Npa2 family
pfam10447	2	2	100.0	EXOSC1	Exosome component EXOSC1/CSL4
pfam10483	2	2	100.0	Elongator_iki1	Elongator subunit Iki1
pfam10494	2	1	50.0	Stk19	Serine-threonine protein kinase 19
pfam10510	2	2	100.0	PIG-S	Phosphatidylinositol-glycan biosynthesis class S
pfam10520	2	0	0.0	TMEM189_B_dmain	B domain of TMEM189
pfam10533	2	0	0.0	Plant_zn_clust	Plant zinc cluster domain
pfam10714	2	0	0.0	LEA_6	Late embryogenesis abundant protein 18
pfam10716	2	0	0.0	NdhL	NADH dehydrogenase transmembrane subunit
pfam10780	2	0	0.0	MRP_L53	39S ribosomal protein L53/MRP-L53
pfam10785	2	1	50.0	NADH-u_ox-rdase	NADH-ubiquinone oxidoreductase
pfam10890	2	0	0.0	Cyt_b-c1_8	Cytochrome b-c1 complex subunit 8
pfam10914	2	0	0.0	DUF2781	Protein of unknown function (DUF2781)
pfam10961	2	2	100.0	SelK_SelG	Selenoprotein SelK_SelG
pfam11210	2	2	100.0	DUF2996	Protein of unknown function (DUF2996)
pfam11262	2	2	100.0	Tho2	Transcription factor/nuclear export subunit
pfam11267	2	2	100.0	DUF3067	Domain of unknown function (DUF3067)
pfam11460	2	2	100.0	DUF3007	Protein of unknown function (DUF3007)
pfam11559	2	2	100.0	ADIP	Afadin- and alpha -actinin-Binding
pfam11571	2	2	100.0	Med27	Mediator complex subunit 27
pfam11707	2	2	100.0	Npa1	Ribosome 60S biogenesis N-terminal
pfam11708	2	1	50.0	Slu7	Pre-mRNA splicing Prp18-interacting factor
pfam11715	2	2	100.0	Nup160	Nucleoporin Nup120/160
pfam11817	2	2	100.0	Foie-gras_1	Foie gras liver health family 1
pfam11934	2	0	0.0	DUF3452	Domain of unknown function (DUF3452)
pfam11935	2	0	0.0	DUF3453	Domain of unknown function (DUF3453)
pfam11965	2	0	0.0	DUF3479	Domain of unknown function (DUF3479)
pfam12022	2	0	0.0	DUF3510	Domain of unknown function (DUF3510)
pfam12159	2	1	50.0	DUF3593	Protein of unknown function (DUF3593)
pfam12171	2	1	50.0	zf-C2H2_jaz	Zinc-finger double-stranded RNA-binding
pfam12204	2	2	100.0	DUF3598	Domain of unknown function (DUF3598)
pfam12231	2	1	50.0	Rif1_N	Rap1-interacting factor 1 N terminal

pfam12253	2	2	100.0	CAF1A	Chromatin assembly factor 1 subunit A
pfam12325	2	2	100.0	TMF_TATA_bd	TATA element modulatory factor 1 TATA
pfam12330	2	2	100.0	DUF3635	Domain of unknown function (DUF3635)
pfam12341	2	1	50.0	Mcl1_mid	Minichromosome loss protein
pfam12430	2	2	100.0	ABA_GPCR	Abscisic acid G-protein coupled receptor
pfam12457	2	0	0.0	TIP_N	Tuftelin interacting protein N terminal
pfam12507	2	2	100.0	HCMV_UL139	Human Cytomegalovirus UL139 protein
pfam12527	2	2	100.0	DUF3727	Protein of unknown function (DUF3727)
pfam12537	2	1	50.0	GPHR_N	The Golgi pH Regulator (GPHR) Family N-terminal
pfam12584	2	2	100.0	TRAPPC10	Trafficking protein particle complex subunit 10
pfam12612	2	2	100.0	TFCD_C	Tubulin folding cofactor D C terminal
pfam12617	2	2	100.0	LdpA_C	Iron-Sulfur binding protein C terminal
pfam12631	2	2	100.0	MnmE_helical	MnmE helical domain
pfam12646	2	2	100.0	DUF3783	Domain of unknown function (DUF3783)
pfam12657	2	2	100.0	TFIIC_delta	Transcription factor IIC subunit delta
pfam12719	2	1	50.0	Cnd3	Nuclear condensing complex subunits
pfam12739	2	2	100.0	TRAPPC-Trs85	ER-Golgi trafficking TRAPP I complex 85
pfam12756	2	2	100.0	zf-C2H2_2	C2H2 type zinc-finger (2 copies)
pfam12812	2	1	50.0	PDZ_1	PDZ-like domain
pfam12816	2	2	100.0	Vps8	Golgi CORVET complex core vacuolar protein 8
pfam12859	2	2	100.0	ANAPC1	Anaphase-promoting complex subunit 1
pfam12872	2	1	50.0	OST-HTH	OST-HTH/LOTUS domain
pfam13001	2	1	50.0	Ecm29	Proteasome stabilizer
pfam13207	2	0	0.0	AAA_17	AAA domain
pfam13251	2	2	100.0	DUF4042	Domain of unknown function (DUF4042)
pfam13299	2	2	100.0	CPSF100_C	Cleavage and polyadenylation factor 2
pfam13334	2	2	100.0	DUF4094	Domain of unknown function (DUF4094)
pfam13339	2	2	100.0	AATF-Che1	Apoptosis antagonizing transcription factor
pfam13432	2	1	50.0	TPR_16	Tetratricopeptide repeat
pfam13508	2	2	100.0	Acetyltransf_7	Acetyltransferase (GNAT) domain
pfam13578	2	0	0.0	Methyltransf_24	Methyltransferase domain
pfam13599	2	1	50.0	Pentapeptide_4	Pentapeptide repeats (9 copies)
pfam13603	2	2	100.0	tRNA-synt_1_2	Leucyl-tRNA synthetase
pfam13620	2	2	100.0	CarboxypepD_reg	Carboxypeptidase regulatory-like
pfam13625	2	2	100.0	Helicase_C_3	Helicase conserved C-terminal domain
pfam13637	2	1	50.0	Ank_4	Ankyrin repeats (many copies)
pfam13672	2	2	100.0	PP2C_2	Protein phosphatase 2C
pfam13720	2	2	100.0	Acetyltransf_11	Udp N-acetylglucosamine
pfam13850	2	1	50.0	ERGIC_N	Endoplasmic Reticulum-Golgi Intermediate
pfam13878	2	0	0.0	zf-C2H2_3	zinc-finger of acetyl-transferase ESCO
pfam13901	2	2	100.0	zf-RING_9	Putative zinc-RING and/or ribbon
pfam13902	2	1	50.0	R3H-assoc	R3H-associated N-terminal domain
pfam13952	2	1	50.0	DUF4216	Domain of unknown function (DUF4216)
pfam13960	2	1	50.0	DUF4218	Domain of unknown function (DUF4218)
pfam13964	2	0	0.0	Kelch_6	Kelch motif
pfam13976	2	0	0.0	gag_pre-integr	GAG-pre-integrase domain
pfam14234	2	1	50.0	DUF4336	Domain of unknown function (DUF4336)
pfam14429	2	2	100.0	DOCK-C2	C2 domain in Dock180 and Zizimin proteins
pfam14437	2	1	50.0	MafB19-deam	MafB19-like deaminase
pfam14443	2	2	100.0	DBC1	DBC1
pfam14492	2	0	0.0	EFG_II	Elongation Factor G
pfam14500	2	2	100.0	MMS19_N	Dos2-interacting transcription regulator of

pfam14510	2	0	0.0	ABC_trans_N	ABC-transporter extracellular N-terminal
pfam14542	2	0	0.0	Acetyltransf_CG	GCN5-related N-acetyl-transferase
pfam14572	2	0	0.0	Pribosyl_synth	Phosphoribosyl synthetase-associated
pfam14648	2	1	50.0	FAM91_C	FAM91 C-terminus
pfam14649	2	2	100.0	Spatacsin_C	Spatacsin C-terminus
pfam14655	2	2	100.0	RAB3GAP2_N	Rab3 GTPase-activating protein regulatory
pfam14661	2	2	100.0	HAUS6_N	HAUS augmin-like complex subunit 6 N-terminus
pfam14703	2	0	0.0	PHM7_cyt	Cytosolic domain of 10TM putative phosphate
pfam14705	2	0	0.0	Costars	Costars
pfam14709	2	1	50.0	DND1_DSARM	double strand RNA binding domain from DEAD
pfam14735	2	2	100.0	HAUS4	HAUS augmin-like complex subunit 4
pfam14768	2	1	50.0	RPA_interact_C	Replication protein A interacting
pfam14802	2	2	100.0	TMEM192	TMEM192 family
pfam14815	2	2	100.0	NUDIX_4	NUDIX domain
pfam14817	2	2	100.0	HAUS5	HAUS augmin-like complex subunit 5
pfam14868	2	2	100.0	DUF4487	Domain of unknown function (DUF4487)
pfam14953	2	1	50.0	DUF4504	Domain of unknown function (DUF4504)
pfam14966	2	2	100.0	DNA_repr_REX1B	DNA repair REX1-B
pfam15249	2	0	0.0	GLTSCR1	Conserved region of unknown function on GLTSCR
pfam15279	2	1	50.0	SOBP	Sine oculis-binding protein
pfam15306	2	2	100.0	LIN37	LIN37
pfam15370	2	2	100.0	DUF4598	Domain of unknown function (DUF4598)
pfam15375	2	1	50.0	DUF4602	Domain of unknown function (DUF4602)
pfam15459	2	0	0.0	RRP14	60S ribosome biogenesis protein Rrp14
pfam15469	2	2	100.0	Sec5	Exocyst complex component Sec5
pfam15477	2	2	100.0	SMAP	Small acidic protein family
pfam15490	2	2	100.0	Ten1_2	Telomere-capping
pfam15558	2	0	0.0	DUF4659	Domain of unknown function (DUF4659)
pfam15811	2	2	100.0	SVIP	Small VCP/p97-interacting protein
pfam15862	2	2	100.0	Coilin_N	Coilin N-terminus
pfam15916	2	2	100.0	DUF4743	Domain of unknown function (DUF4743)
pfam15924	2	2	100.0	ALG11_N	ALG11 mannosyltransferase N-terminus
pfam15938	2	0	0.0	DUF4750	Domain of unknown function (DUF4750)
pfam15964	2	2	100.0	CCCAP	Centrosomal colon cancer autoantigen protein
pfam15967	2	2	100.0	Nucleoporin_FG2	Nucleoporin FG repeated region
pfam16021	2	2	100.0	PDCD7	Programmed cell death protein 7
pfam16029	2	2	100.0	DUF4787	Domain of unknown function (DUF4787)
pfam16036	2	2	100.0	Chalcone_3	Chalcone isomerase-like
pfam16045	2	2	100.0	LisH_2	LisH
pfam16093	2	1	50.0	PAC4	Proteasome assembly chaperone 4
pfam16095	2	0	0.0	COR	C-terminal of Roc
pfam16191	2	0	0.0	E1_4HB	Ubiquitin-activating enzyme E1 four-helix
pfam16269	2	2	100.0	DUF4922	Domain of unknown function (DUF4922)
pfam16282	2	2	100.0	SANT_DAMP1_like	SANT/Myb-like domain of DAMP1
pfam16321	2	2	100.0	Ribosom_S30AE_C	Sigma 54 modulation/S30EA ribosomal
pfam16413	2	0	0.0	Mlh1_C	DNA mismatch repair protein Mlh1 C-terminus
pfam16488	2	1	50.0	ArgoL2	Argonaute linker 2 domain
pfam16501	2	2	100.0	SCAPER_N	S phase cyclin A-associated protein in the
pfam16528	2	1	50.0	Exo84_C	Exocyst component 84 C-terminal
pfam16669	2	2	100.0	TTC5_OB	Tetratricopeptide repeat protein 5 OB fold
pfam16796	2	0	0.0	Microtub_bd	Microtubule binding
pfam16835	2	2	100.0	SF3A2	Pre-mRNA-splicing factor SF3a complex subunit 2

pfam16858	2	2	100.0	CNDH2_C	Condensin II complex subunit CAP-H2 or CNDH2
pfam16901	2	2	100.0	DAO_C	C-terminal domain of alpha-glycerophosphate
pfam16909	2	2	100.0	VPS13_C	Vacuolar-sorting-associated 13 protein
pfam16922	2	1	50.0	SLD5_C	DNA replication complex GINS protein SLD5
pfam17146	2	2	100.0	PIN_6	PIN domain of ribonuclease
pfam17207	2	0	0.0	MCM_OB	MCM OB domain
pfam17216	2	2	100.0	Rrp44_CSD1	Rrp44-like cold shock domain
pfam00016	1	0	0.0	RuBisCO_large	Ribulose biphosphate carboxylase large
pfam00059	1	0	0.0	Lectin_C	Lectin C-type domain
pfam00061	1	1	100.0	Lipocalin	Lipocalin / cytosolic fatty-acid binding
pfam00089	1	1	100.0	Trypsin	Trypsin
pfam00115	1	0	0.0	COX1	Cytochrome C and Quinol oxidase polypeptide I
pfam00408	1	1	100.0	PGM_PMM_IV	Phosphoglucomutase/phosphomannomutase
pfam00438	1	0	0.0	S-AdoMet_synt_N	S-adenosylmethionine synthetase
pfam00458	1	0	0.0	WHEP-TRS	WHEP-TRS domain
pfam00474	1	1	100.0	SSF	Sodium:solute symporter family
pfam00479	1	0	0.0	G6PD_N	Glucose-6-phosphate dehydrogenase
pfam00497	1	1	100.0	SBP_bac_3	Bacterial extracellular solute-binding
pfam00515	1	1	100.0	TPR_1	Tetratricopeptide repeat
pfam00585	1	0	0.0	Thr_dehydrat_C	C-terminal regulatory domain of
pfam00586	1	1	100.0	AIRS	AIR synthase related protein
pfam00591	1	1	100.0	Glycos_transf_3	Glycosyl transferase family
pfam00652	1	0	0.0	Ricin_B_lectin	Ricin-type beta-trefoil lectin domain
pfam00684	1	1	100.0	DnaJ_CXXCXGXG	DnaJ central domain
pfam00763	1	0	0.0	THF_DHG_CYH	Tetrahydrofolate
pfam00830	1	1	100.0	Ribosomal_L28	Ribosomal L28 family
pfam00848	1	1	100.0	Ring_hydroxyl_A	Ring hydroxylating alpha subunit
pfam00884	1	0	0.0	Sulfatase	Sulfatase
pfam00941	1	1	100.0	FAD_binding_5	FAD binding domain in molybdopterin
pfam01071	1	1	100.0	GARS_A	Phosphoribosylglycinamide synthetase
pfam01078	1	1	100.0	Mg_chelatase	Magnesium chelatase
pfam01087	1	0	0.0	GalP_UDP_transf	Galactose-1-phosphate uridyl
pfam01128	1	1	100.0	IspD	2-C-methyl-D-erythritol 4-phosphate
pfam01132	1	1	100.0	EFP	Elongation factor P (EF-P) OB domain
pfam01149	1	1	100.0	Fapy_DNA_glyco	Formamidopyrimidine-DNA glycosylase
pfam01204	1	1	100.0	Trehalase	Trehalase
pfam01210	1	1	100.0	NAD_Gly3P_dh_N	NAD-dependent glycerol-3-phosphate
pfam01218	1	1	100.0	Coprogen_oxidase	Coproporphyrinogen III oxidase
pfam01273	1	0	0.0	LBP_BPI_CETP	LBP / BPI / CETP family
pfam01333	1	0	0.0	Apocytochr_F_C	Apocytochrome F
pfam01381	1	0	0.0	HTH_3	Helix-turn-helix
pfam01464	1	1	100.0	SLT	Transglycosylase SLT domain
pfam01465	1	1	100.0	GRIP	GRIP domain
pfam01535	1	0	0.0	PPR	PPR repeat
pfam01576	1	1	100.0	Myosin_tail_1	Myosin tail
pfam01578	1	0	0.0	Cytochrom_C_asm	Cytochrome C assembly protein
pfam01599	1	0	0.0	Ribosomal_S27	Ribosomal protein S27a
pfam01701	1	0	0.0	PSI_PsaJ	Photosystem I reaction centre subunit IX /
pfam01809	1	1	100.0	Haemolytic	Haemolytic domain
pfam01824	1	0	0.0	MatK_N	MatK/TrnK amino terminal region
pfam01868	1	1	100.0	UPF0086	Domain of unknown function UPF0086
pfam01872	1	1	100.0	RibD_C	RibD C-terminal domain

pfam01876	1	1	100.0	RNase_P_p30	RNase P subunit p30
pfam01878	1	0	0.0	EVE	EVE domain
pfam01902	1	1	100.0	Diphthami_syn_2	Diphthamide synthase
pfam01933	1	1	100.0	UPF0052	Uncharacterized protein family UPF0052
pfam01938	1	1	100.0	TRAM	TRAM domain
pfam02037	1	1	100.0	SAP	SAP domain
pfam02041	1	1	100.0	Auxin_BP	Auxin binding protein
pfam02068	1	0	0.0	Metallothio_PEC	Plant PEC family metallothionein
pfam02130	1	1	100.0	UPF0054	Uncharacterized protein family UPF0054
pfam02144	1	1	100.0	Rad1	Repair protein Rad1/Rec1/Rad17
pfam02195	1	1	100.0	ParBc	ParB-like nuclease domain
pfam02223	1	1	100.0	Thymidylate_kin	Thymidylate kinase
pfam02245	1	1	100.0	Pur_DNA_glyco	Methylpurine-DNA glycosylase (MPG)
pfam02254	1	0	0.0	TrkA_N	TrkA-N domain
pfam02256	1	0	0.0	Fe_hyd_SSU	Iron hydrogenase small subunit
pfam02260	1	0	0.0	FATC	FATC domain
pfam02326	1	0	0.0	YMF19	Plant ATP synthase F0
pfam02357	1	1	100.0	NusG	Transcription termination factor nusG
pfam02392	1	0	0.0	Ycf4	Ycf4
pfam02468	1	0	0.0	PsbN	Photosystem II reaction centre N protein (psbN)
pfam02529	1	0	0.0	PetG	Cytochrome B6-F complex subunit 5
pfam02551	1	0	0.0	Acyl_CoA_thio	Acyl-CoA thioesterase
pfam02581	1	0	0.0	TMP-TENI	Thiamine monophosphate synthase/TENI
pfam02586	1	1	100.0	SRAP	SOS response associated peptidase (SRAP)
pfam02676	1	1	100.0	TYW3	Methyltransferase TYW3
pfam02684	1	1	100.0	LpxB	Lipid-A-disaccharide synthetase
pfam02696	1	1	100.0	UPF0061	Uncharacterized ACR
pfam02728	1	0	0.0	Cu_amine_oxidN3	Copper amine oxidase
pfam02770	1	1	100.0	Acyl-CoA_dh_M	Acyl-CoA dehydrogenase
pfam02772	1	0	0.0	S-AdoMet_synt_M	S-adenosylmethionine synthetase
pfam02787	1	0	0.0	CPSase_L_D3	Carbamoyl-phosphate synthetase large chain
pfam02789	1	0	0.0	Peptidase_M17_N	Cytosol aminopeptidase family
pfam02806	1	1	100.0	Alpha-amylase_C	Alpha amylase
pfam02824	1	0	0.0	TGS	TGS domain
pfam02836	1	1	100.0	Glyco_hydro_2_C	Glycosyl hydrolases family 2
pfam02879	1	1	100.0	PGM_PMM_II	Phosphoglucomutase/phosphomannomutase
pfam02911	1	1	100.0	Formyl_trans_C	Formyl transferase
pfam02929	1	0	0.0	Bgal_small_N	Beta galactosidase small chain
pfam02934	1	0	0.0	GatB_N	GatB/GatE catalytic domain
pfam02969	1	1	100.0	TAF	TATA box binding protein associated factor (TAF)
pfam02978	1	0	0.0	SRP_SPB	Signal peptide binding domain
pfam03060	1	1	100.0	NMO	Nitronate monooxygenase
pfam03069	1	1	100.0	FmdA_AmdA	Acetamidase/Formamidase family
pfam03107	1	0	0.0	C1_2	C1 domain
pfam03121	1	1	100.0	Herpes_UL52	Herpesviridae UL52/UL70 DNA primase
pfam03175	1	0	0.0	DNA_pol_B_2	DNA polymerase type B
pfam03215	1	1	100.0	Rad17	Rad17 cell cycle checkpoint protein
pfam03471	1	1	100.0	CorC_HlyC	Transporter associated domain
pfam03483	1	1	100.0	B3_4	B3/4 domain
pfam03711	1	0	0.0	OKR_DC_1_C	Orn/Lys/Arg decarboxylase
pfam03725	1	0	0.0	RNase_PH_C	3' exoribonuclease family
pfam03765	1	0	0.0	CRAL_TRIO_N	CRAL/TRIO

pfam03900	1	0	0.0	Porphobil_deamC	Porphobilinogen deaminase
pfam03962	1	1	100.0	Mnd1	Mnd1 family
pfam03989	1	0	0.0	DNA_gyraseA_C	DNA gyrase C-terminal domain
pfam04050	1	1	100.0	Upf2	Up-frameshift suppressor 2
pfam04057	1	0	0.0	Rep-A_N	Replication factor-A protein 1
pfam04063	1	1	100.0	DUF383	Domain of unknown function (DUF383)
pfam04095	1	1	100.0	NAPRTase	Nicotinate phosphoribosyltransferase
pfam04121	1	1	100.0	Nup84_Nup100	Nuclear pore protein 84 / 107
pfam04152	1	1	100.0	Mre11_DNA_bind	Mre11 DNA-binding presumed domain
pfam04191	1	1	100.0	PEMT	Phospholipid methyltransferase
pfam04227	1	1	100.0	Indigoidine_A	Indigoidine synthase A like protein
pfam04231	1	1	100.0	Endonuclease_1	Endonuclease I
pfam04253	1	1	100.0	TFR_dimer	Transferrin receptor-like dimerisation
pfam04371	1	1	100.0	PAD_porph	Porphyromonas-type peptidyl-arginine
pfam04376	1	1	100.0	ATE_N	Arginine-tRNA-protein transferase
pfam04377	1	1	100.0	ATE_C	Arginine-tRNA-protein transferase
pfam04413	1	1	100.0	Glycos_transf_N	3-Deoxy-D-manno-octulosonic-acid
pfam04414	1	1	100.0	tRNA_deacylase	D-aminoacyl-tRNA deacylase
pfam04419	1	0	0.0	4F5	4F5 protein family
pfam04432	1	1	100.0	FrhB_FdhB_C	Coenzyme F420 hydrogenase/dehydrogenase
pfam04567	1	0	0.0	RNA_pol_Rpb2_5	RNA polymerase Rpb2
pfam04675	1	1	100.0	DNA_ligase_A_N	DNA ligase N terminus
pfam04679	1	1	100.0	DNA_ligase_A_C	ATP dependent DNA ligase C terminal
pfam04716	1	0	0.0	ETC_C1_NDUFA5	ETC complex I subunit conserved region
pfam04722	1	1	100.0	Ssu72	Ssu72-like protein
pfam04762	1	1	100.0	IKI3	IKI3 family
pfam04783	1	1	100.0	DUF630	Protein of unknown function (DUF630)
pfam04926	1	0	0.0	PAP_RNA-bind	Poly(A) polymerase predicted RNA binding
pfam04934	1	1	100.0	Med6	MED6 mediator sub complex component
pfam04987	1	1	100.0	PigN	Phosphatidylinositolglycan class N (PIG-N)
pfam04997	1	1	100.0	RNA_pol_Rpb1_1	RNA polymerase Rpb1
pfam05011	1	1	100.0	DBR1	Lariat debranching enzyme
pfam05176	1	1	100.0	ATP-synt_10	ATP10 protein
pfam05195	1	1	100.0	AMP_N	Aminopeptidase P
pfam05206	1	1	100.0	TRM13	Methyltransferase TRM13
pfam05406	1	0	0.0	WGR	WGR domain
pfam05483	1	1	100.0	SCP-1	Synaptonemal complex protein 1 (SCP-1)
pfam05642	1	0	0.0	Sporozoite_P67	Sporozoite P67 surface antigen
pfam05645	1	1	100.0	RNA_pol_Rpc82	RNA polymerase III subunit RPC82
pfam05698	1	1	100.0	Trigger_C	Bacterial trigger factor protein (TF)
pfam05764	1	1	100.0	YL1	YL1 nuclear protein
pfam05843	1	1	100.0	Suf	Suppressor of forked protein (Suf)
pfam05965	1	1	100.0	FYRC	F/Y rich C-terminus
pfam06093	1	1	100.0	Spt4	Spt4/RpoE2 zinc finger
pfam06155	1	1	100.0	DUF971	Protein of unknown function (DUF971)
pfam06221	1	1	100.0	zf-C2HC5	Putative zinc finger motif
pfam06376	1	0	0.0	AGP	Arabinogalactan peptide
pfam06391	1	1	100.0	MAT1	CDK-activating kinase assembly factor MAT1
pfam06415	1	1	100.0	iPGM_N	BPG-independent PGAM N-terminus (iPGM_N)
pfam06682	1	0	0.0	SARAF	SOCE-associated regulatory factor of calcium
pfam06695	1	0	0.0	Sm_multidrug_ex	Putative small multi-drug export
pfam06803	1	1	100.0	DUF1232	Protein of unknown function (DUF1232)

pfam06818	1	1	100.0	Fez1	Fez1
pfam06858	1	0	0.0	NOG1	Nucleolar GTP-binding protein 1 (NOG1)
pfam06859	1	1	100.0	Bin3	Bicoid-interacting protein 3 (Bin3)
pfam06920	1	0	0.0	DHR-2	Dock homology region 2
pfam07000	1	1	100.0	DUF1308	Protein of unknown function (DUF1308)
pfam07001	1	1	100.0	BAT2_N	BAT2 N-terminus
pfam07228	1	1	100.0	SpoIIE	Stage II sporulation protein E (SpoIIE)
pfam07231	1	0	0.0	Hs1pro-1_N	Hs1pro-1 N-terminus
pfam07529	1	1	100.0	HSA	HSA
pfam07539	1	1	100.0	DRIM	Down-regulated in metastasis
pfam07540	1	1	100.0	NOC3p	Nucleolar complex-associated protein
pfam07574	1	1	100.0	SMC_Nse1	Nse1 non-SMC component of SMC5-6 complex
pfam07575	1	1	100.0	Nucleopor_Nup85	Nup85 Nucleoporin
pfam07683	1	0	0.0	CobW_C	Cobalamin synthesis protein cobW C-terminal
pfam07749	1	0	0.0	ERp29	Endoplasmic reticulum protein ERp29
pfam07897	1	0	0.0	EAR	Ethylene-responsive binding factor-associated
pfam07973	1	0	0.0	tRNA_SAD	Threonyl and Alanyl tRNA synthetase second
pfam08068	1	0	0.0	DKCLD	DKCLD (NUC011) domain
pfam08142	1	1	100.0	AARP2CN	AARP2CN (NUC121) domain
pfam08147	1	1	100.0	DBP10CT	DBP10CT (NUC160) domain
pfam08164	1	0	0.0	TRAUB	Apoptosis-antagonizing transcription factor
pfam08192	1	0	0.0	Peptidase_S64	Peptidase family S64
pfam08207	1	1	100.0	EFP_N	Elongation factor P (EF-P) KOW-like domain
pfam08216	1	1	100.0	CTNNBL	Catenin-beta-like
pfam08238	1	0	0.0	Sel1	Sel1 repeat
pfam08284	1	1	100.0	RVP_2	Retroviral aspartyl protease
pfam08292	1	1	100.0	RNA_pol_Rbc25	RNA polymerase III subunit Rpc25
pfam08512	1	0	0.0	Rtt106	Histone chaperone Rtt106-like
pfam08514	1	1	100.0	STAG	STAG domain
pfam08617	1	1	100.0	CGI-121	Kinase binding protein CGI-121
pfam08695	1	1	100.0	Coa1	Cytochrome oxidase complex assembly protein 1
pfam08696	1	1	100.0	Dna2	DNA replication factor Dna2
pfam08699	1	1	100.0	ArgoL1	Argonaute linker 1 domain
pfam08719	1	1	100.0	DUF1768	Domain of unknown function (DUF1768)
pfam08752	1	0	0.0	COP-gamma_platf	Coatomer gamma subunit appendage
pfam08755	1	1	100.0	YccV-like	Hemimethylated DNA-binding protein YccV
pfam08825	1	0	0.0	E2_bind	E2 binding domain
pfam08880	1	0	0.0	QLQ	QLQ
pfam08969	1	0	0.0	USP8_dimer	USP8 dimerisation domain
pfam08991	1	0	0.0	MTCP1	Mature-T-Cell Proliferation I type
pfam09103	1	1	100.0	BRCA-2_OB1	BRCA2
pfam09202	1	0	0.0	Rio2_N	Rio2
pfam09239	1	1	100.0	Topo-VIb_trans	Topoisomerase VI B subunit
pfam09243	1	1	100.0	Rsm22	Mitochondrial small ribosomal subunit Rsm22
pfam09261	1	1	100.0	Alpha-mann_mid	Alpha mannosidase middle domain
pfam09285	1	1	100.0	Elong-fact-P_C	Elongation factor P
pfam09324	1	1	100.0	DUF1981	Domain of unknown function (DUF1981)
pfam09329	1	1	100.0	zf-primase	Primase zinc finger
pfam09358	1	0	0.0	E1_UFD	Ubiquitin fold domain
pfam09382	1	1	100.0	RQC	RQC domain
pfam09419	1	1	100.0	PGP_phosphatase	Mitochondrial PGP phosphatase
pfam09423	1	1	100.0	PhoD	PhoD-like phosphatase

pfam09429	1	0	0.0	Wbp11	WW domain binding protein 11
pfam09732	1	1	100.0	CactinC_cactus	Cactus-binding C-terminus of cactin
pfam09734	1	1	100.0	Tau95	RNA polymerase III transcription factor (TF)IIIC
pfam09736	1	1	100.0	Bud13	Pre-mRNA-splicing factor of RES complex
pfam09749	1	1	100.0	HVSL	Uncharacterized conserved protein
pfam09791	1	0	0.0	Oxidored-like	Oxidoreductase-like protein
pfam09803	1	0	0.0	DUF2346	Uncharacterized conserved protein (DUF2346)
pfam09807	1	1	100.0	ELP6	Elongation complex protein 6
pfam09808	1	1	100.0	SNAPc_SNAP43	Small nuclear RNA activating complex
pfam09814	1	1	100.0	HECT_2	HECT-like Ubiquitin-conjugating enzyme
pfam09991	1	1	100.0	DUF2232	Predicted membrane protein (DUF2232)
pfam10174	1	1	100.0	Cast	RIM-binding protein of the cytomatrix active zone
pfam10175	1	1	100.0	MPP6	M-phase phosphoprotein 6
pfam10268	1	0	0.0	Tmemb_161AB	Predicted transmembrane protein 161AB
pfam10350	1	1	100.0	DUF2428	Putative death-receptor fusion protein (DUF2428)
pfam10366	1	1	100.0	Vps39_1	Vacuolar sorting protein 39 domain 1
pfam10381	1	0	0.0	Autophagy_C	Autophagocytosis associated protein
pfam10394	1	1	100.0	Hat1_N	Histone acetyl transferase HAT1 N-terminus
pfam10405	1	1	100.0	BHD_3	Rad4 beta-hairpin domain 3
pfam10419	1	1	100.0	TFIIIC_sub6	TFIIIC subunit
pfam10474	1	1	100.0	DUF2451	Protein of unknown function C-terminus
pfam10475	1	1	100.0	Vps54_N	Vacuolar-sorting protein 54
pfam10487	1	1	100.0	Nup188	Nucleoporin subcomplex protein binding to Pom34
pfam10508	1	1	100.0	Proteasom_PSMB	Proteasome non-ATPase 26S subunit
pfam10639	1	0	0.0	TMEM234	Putative transmembrane family 234
pfam10644	1	1	100.0	Misat_Tub_SegII	Misato Segment II tubulin-like domain
pfam10672	1	1	100.0	Methyltrans_SAM	S-adenosylmethionine-dependent
pfam10712	1	0	0.0	NAD-GH	NAD-specific glutamate dehydrogenase
pfam10839	1	0	0.0	DUF2647	Protein of unknown function (DUF2647)
pfam10986	1	1	100.0	DUF2796	Protein of unknown function (DUF2796)
pfam11221	1	1	100.0	Med21	Subunit 21 of Mediator complex
pfam11443	1	0	0.0	DUF2828	Domain of unknown function (DUF2828)
pfam11573	1	1	100.0	Med23	Mediator complex subunit 23
pfam11595	1	1	100.0	DUF3245	Protein of unknown function (DUF3245)
pfam11623	1	0	0.0	DUF3252	Protein of unknown function (DUF3252)
pfam11698	1	1	100.0	V-ATPase_H_C	V-ATPase subunit H
pfam11779	1	0	0.0	SPT_ssu-like	Small subunit of serine
pfam11789	1	1	100.0	zf-Nse	Zinc-finger of the MIZ type in Nse subunit
pfam11805	1	1	100.0	DUF3326	Protein of unknown function (DUF3326)
pfam11852	1	1	100.0	DUF3372	Domain of unknown function (DUF3372)
pfam11894	1	1	100.0	Nup192	Nuclear pore complex scaffold
pfam11910	1	1	100.0	NdhO	Cyanobacterial and plant NDH-1 subunit O
pfam11919	1	1	100.0	DUF3437	Domain of unknown function (DUF3437)
pfam11957	1	1	100.0	efThoc1	THO complex subunit 1 transcription elongation
pfam12002	1	0	0.0	MgsA_C	MgsA AAA+ ATPase C terminal
pfam12054	1	1	100.0	DUF3535	Domain of unknown function (DUF3535)
pfam12095	1	0	0.0	CRR7	Protein CHLORORESPIRATORY REDUCTION 7
pfam12110	1	1	100.0	Nup96	Nuclear protein 96
pfam12157	1	1	100.0	DUF3591	Protein of unknown function (DUF3591)
pfam12333	1	0	0.0	Ipi1_N	Rix1 complex component involved in 60S ribosome
pfam12397	1	1	100.0	U3snoRNP10	U3 small nucleolar RNA-associated protein
pfam12513	1	1	100.0	SUV3_C	Mitochondrial degradosome RNA helicase subunit C

pfam12530	1	1	100.0	DUF3730	Protein of unknown function (DUF3730)
pfam12546	1	0	0.0	Cryptochrome_C	Blue/Ultraviolet sensing protein C
pfam12589	1	1	100.0	WBS_methylT	Methyltransferase involved in
pfam12590	1	1	100.0	Acyl-thio_N	Acyl-ATP thioesterase
pfam12627	1	1	100.0	PolyA_pol_RNAAbd	Probable RNA and SrmB- binding site of
pfam12734	1	1	100.0	CYSTM	Cysteine-rich TM module stress tolerance
pfam12766	1	1	100.0	Pyridox_oxase_2	Pyridoxamine 5'-phosphate oxidase
pfam12836	1	0	0.0	HHH_3	Helix-hairpin-helix motif
pfam12862	1	1	100.0	ANAPC5	Anaphase-promoting complex subunit 5
pfam12894	1	0	0.0	ANAPC4_WD40	Anaphase-promoting complex subunit 4 WD40
pfam12896	1	1	100.0	ANAPC4	Anaphase-promoting complex
pfam12928	1	1	100.0	tRNA_int_end_N2	tRNA-splicing endonuclease subunit
pfam12938	1	1	100.0	M_domain	M domain of GW182
pfam13020	1	1	100.0	DUF3883	Domain of unknown function (DUF3883)
pfam13167	1	1	100.0	GTP-bdg_N	GTP-binding GTPase N-terminal
pfam13279	1	1	100.0	4HBT_2	Thioesterase-like superfamily
pfam13288	1	1	100.0	DXPR_C	DXP reductoisomerase C-terminal domain
pfam13307	1	1	100.0	Helicase_C_2	Helicase C-terminal domain
pfam13368	1	0	0.0	Toprim_C_rpt	Topoisomerase C-terminal repeat
pfam13422	1	1	100.0	DUF4110	Domain of unknown function (DUF4110)
pfam13439	1	0	0.0	Glyco_transf_4	Glycosyltransferase Family 4
pfam13442	1	1	100.0	Cytochrome_CBB3	Cytochrome C oxidase
pfam13462	1	1	100.0	Thioredoxin_4	Thioredoxin
pfam13483	1	1	100.0	Lactamase_B_3	Beta-lactamase superfamily domain
pfam13500	1	1	100.0	AAA_26	AAA domain
pfam13528	1	1	100.0	Glyco_trans_1_3	Glycosyl transferase family 1
pfam13541	1	0	0.0	ChII	Subunit ChII of Mg-chelatase
pfam13579	1	1	100.0	Glyco_trans_4_4	Glycosyl transferase 4-like domain
pfam13593	1	1	100.0	SBF_like	SBF-like CPA transporter family (DUF4137)
pfam13616	1	0	0.0	Rotamase_3	PPIC-type PPIASE domain
pfam13653	1	0	0.0	GDPD_2	Glycerophosphoryl diester phosphodiesterase
pfam13679	1	1	100.0	Methyltransf_32	Methyltransferase domain
pfam13691	1	1	100.0	Lactamase_B_4	tRNase Z endonuclease
pfam13738	1	0	0.0	Pyr_redox_3	Pyridine nucleotide-disulphide
pfam13854	1	0	0.0	Kelch_5	Kelch motif
pfam13871	1	1	100.0	Helicase_C_4	C-terminal domain on Strawberry notch
pfam13907	1	1	100.0	DUF4208	Domain of unknown function (DUF4208)
pfam13932	1	0	0.0	GIDA_assoc	GidA associated domain
pfam13961	1	0	0.0	DUF4219	Domain of unknown function (DUF4219)
pfam14279	1	1	100.0	HNH_5	HNH endonuclease
pfam14306	1	0	0.0	PUA_2	PUA-like domain
pfam14327	1	1	100.0	CSTF2_hinge	Hinge domain of cleavage stimulation
pfam14369	1	1	100.0	zinc_ribbon_9	zinc-ribbon
pfam14382	1	0	0.0	ECR1_N	Exosome complex exonuclease RRP4 N-terminal
pfam14383	1	1	100.0	VARLMGL	DUF761-associated sequence motif
pfam14560	1	1	100.0	Ubiquitin_2	Ubiquitin-like domain
pfam14593	1	1	100.0	PH_3	PH domain
pfam14617	1	1	100.0	CMS1	U3-containing 90S pre-ribosomal complex subunit
pfam14624	1	0	0.0	Vwaint	VWA / Hh protein intein-like
pfam14695	1	1	100.0	LINES_C	Lines C-terminus
pfam14700	1	0	0.0	RPOL_N	DNA-directed RNA polymerase N-terminal
pfam14714	1	1	100.0	KH_dom-like	KH-domain-like of EngA bacterial GTPase

pfam14724	1	0	0.0	mit_SMPDase	Mitochondrial-associated sphingomyelin
pfam14732	1	0	0.0	UAE_UbL	Ubiquitin/SUMO-activating enzyme ubiquitin-like
pfam14764	1	1	100.0	SPG48	AP-5 complex subunit
pfam14792	1	1	100.0	DNA_pol_B_palm	DNA polymerase beta palm
pfam14806	1	0	0.0	Coatomer_b_Cpla	Coatomer beta subunit appendage
pfam14845	1	0	0.0	Glycohydro_20b2	beta-acetyl hexosaminidase like
pfam14881	1	1	100.0	Tubulin_3	Tubulin domain
pfam14967	1	1	100.0	FAM70	FAM70 protein
pfam14968	1	1	100.0	CCDC84	Coiled coil protein 84
pfam15072	1	0	0.0	DUF4539	Domain of unknown function (DUF4539)
pfam15159	1	1	100.0	PIG-Y	Phosphatidylinositol
pfam15243	1	1	100.0	ANAPC15	Anaphase-promoting complex subunit 15
pfam15324	1	0	0.0	TALPID3	Hedgehog signalling target
pfam15413	1	0	0.0	PH_11	Pleckstrin homology domain
pfam15491	1	1	100.0	CTC1_2	CST
pfam15742	1	1	100.0	DUF4686	Domain of unknown function (DUF4686)
pfam15749	1	1	100.0	UPF0544	Uncharacterized protein family UPF0544
pfam15782	1	0	0.0	GREB1	Gene regulated by oestrogen in breast cancer
pfam15787	1	1	100.0	DUF4704	Domain of unknown function (DUF4704)
pfam15982	1	1	100.0	TMEM135_C_rich	N-terminal cysteine-rich region of
pfam16014	1	1	100.0	SAP130_C	Histone deacetylase complex subunit SAP130
pfam16099	1	1	100.0	RMI1_C	Recq-mediated genome instability protein 1
pfam16100	1	1	100.0	RMI2	RecQ-mediated genome instability protein 2
pfam16101	1	1	100.0	PRIMA1	Proline-rich membrane anchor 1
pfam16177	1	0	0.0	ACAS_N	Acetyl-coenzyme A synthetase N-terminus
pfam16417	1	0	0.0	CNOT1_TTP_bind	CCR4-NOT transcription complex subunit 1
pfam16420	1	1	100.0	ATG7_N	Ubiquitin-like modifier-activating enzyme ATG7
pfam16487	1	0	0.0	ArgoMid	Mid domain of argonaute
pfam16491	1	1	100.0	Peptidase_M48_N	CAAX prenyl protease N-terminal
pfam16507	1	1	100.0	BLM10_mid	Proteasome-substrate-size regulator
pfam16589	1	1	100.0	BRCT_2	BRCT domain
pfam16639	1	0	0.0	Apocytochr_F_N	Apocytochrome F
pfam16746	1	1	100.0	BAR_3	BAR domain of APPL family
pfam16876	1	0	0.0	Lipin_mid	Lipin/Ned1/Smp2 multi-domain protein middle
pfam16881	1	0	0.0	LIAS_N	N-terminal domain of lipoyl synthase of
pfam16908	1	0	0.0	VPS13	Vacuolar sorting-associated protein 13
pfam16923	1	1	100.0	Glyco_hydro_63N	Glycosyl hydrolase family 63 N-terminal
pfam16950	1	1	100.0	SAMBD	SAM-binding_domain
pfam17005	1	1	100.0	WD40_like	WD40-like domain
pfam17032	1	0	0.0	zinc_ribbon_15	zinc-ribbon family
pfam17184	1	1	100.0	Rit1_C	Rit1 N-terminal domain
Total	57374	21202	37.0		