

Description	Short description	Orthogroup	PFAMs
2'-5' RNA ligase superfamily	2'-5' RNA ligase superfamily	OG0010072	2_5_RNA_ligase2
60S ribosomal protein L8	60S ribosomal protein L8	OG0000719	Ribosomal_L7Ae
Acid protease	Aspartyl protease	OG0013055	Asp
Acyl-CoA dehydrogenase, C-terminal domain	Acyl-CoA dehydrogenase	OG0002828	Acyl-CoA_dh_1,Acyl-CoA_dh_M,Acyl-CoA_dh_N
Agglutinin-like protein	Agglutinin-like protein	OG0006286	Candida_ALS,Candida_ALS_N
Alanine dehydrogenase/PNT, C-terminal domain	Alanine dehydrogenase/PNT	OG0007510	ADH_N,ADH_zinc_N
Aldo/keto reductase family	Aldo/keto reductase family	OG0009039	Aldo_ket_red
Aldose 1-epimerase	Aldose 1-epimerase	OG0003622	Aldose_epim
Alginate lyase	Alginate lyase	OG0008847, OG0012599, OG0012636	Alginate_lyase, NA, NA
Alkaline phosphatase	Alkaline phosphatase	OG0004049	Alk_phosphatase
Alpha galactosidase A	Glycoside hydrolase	OG0006730	Melibiose_2
Alpha-N-acetylglucosaminidase (NAGLU) C-terminal domain	NAGLU C-terminal domain	OG0009827	NAGLU,NAGLU_C,NAGLU_N
Alpha-acetolactate decarboxylase	Alpha-acetolactate decarboxylase	OG0012629	AAL_decarboxy
Alpha/beta hydrolase family	Lipase	OG0004547, OG0004816, OG0006490, OG0008054, OG0010567	Abhydrolase_6, Abhydrolase_1, Abhydrolase_2, Abhydrolase_3, Abhydrolase_4, Abhydrolase_5, Abhydrolase_7, Abhydrolase_8, Abhydrolase_9, Abhydrolase_10, Abhydrolase_11, Abhydrolase_12, Abhydrolase_13, Abhydrolase_14, Abhydrolase_15, Abhydrolase_16, Abhydrolase_17, Abhydrolase_18, Abhydrolase_19, Abhydrolase_20, Abhydrolase_21, Abhydrolase_22, Abhydrolase_23, Abhydrolase_24, Abhydrolase_25, Abhydrolase_26, Abhydrolase_27, Abhydrolase_28, Abhydrolase_29, Abhydrolase_30, Abhydrolase_31, Abhydrolase_32, Abhydrolase_33, Abhydrolase_34, Abhydrolase_35, Abhydrolase_36, Abhydrolase_37, Abhydrolase_38, Abhydrolase_39, Abhydrolase_40, Abhydrolase_41, Abhydrolase_42, Abhydrolase_43, Abhydrolase_44, Abhydrolase_45, Abhydrolase_46, Abhydrolase_47, Abhydrolase_48, Abhydrolase_49, Abhydrolase_50, Abhydrolase_51, Abhydrolase_52, Abhydrolase_53, Abhydrolase_54, Abhydrolase_55, Abhydrolase_56, Abhydrolase_57, Abhydrolase_58, Abhydrolase_59, Abhydrolase_60, Abhydrolase_61, Abhydrolase_62, Abhydrolase_63, Abhydrolase_64, Abhydrolase_65, Abhydrolase_66, Abhydrolase_67, Abhydrolase_68, Abhydrolase_69, Abhydrolase_70, Abhydrolase_71, Abhydrolase_72, Abhydrolase_73, Abhydrolase_74, Abhydrolase_75, Abhydrolase_76, Abhydrolase_77, Abhydrolase_78, Abhydrolase_79, Abhydrolase_80, Abhydrolase_81, Abhydrolase_82, Abhydrolase_83, Abhydrolase_84, Abhydrolase_85, Abhydrolase_86, Abhydrolase_87, Abhydrolase_88, Abhydrolase_89, Abhydrolase_90, Abhydrolase_91, Abhydrolase_92, Abhydrolase_93, Abhydrolase_94, Abhydrolase_95, Abhydrolase_96, Abhydrolase_97, Abhydrolase_98, Abhydrolase_99, Abhydrolase_100
Amb_all	Pectin lyase	OG0008054, OG0010567	Pec_lyase_C, Pec_lyase_N
Amidase	Amidase	OG0003093, OG0004951	Amidase, Amidase
Amidohydrolase family	Amidase	OG0012167	Amidohydro_1
Aminotransferase class I and II	Aminotransferase class I and II	OG0000618	Aminotran_1_2
Ancestral locus Anc_6.367	Ancestral locus Anc_6.367	OG0015334	Flocculin_t3
Apc15p protein	Apc15p protein	OG0005535	Apc15p
AraC-like ligand binding domain	AraC-like ligand binding domain	OG0017241	Cupin_2
Arabinogalactan endo-beta-1,4-galactanase	Glycoside hydrolase	OG0010809	Glyco_hydro_53
Arthropod defensin	Arthropod defensin	OG0006537, OG0011067	Defensin_2, Defensin_2
Arylsulfotransferase (ASST)	Arylsulfotransferase (ASST)	OG0010821, OG0012591	Arylsulfotran_2, Arylsulfotran_2
BNR repeat-like domain	BNR repeat-like domain	OG0005736	BNR_2
Belongs to the FAD-dependent glycerol-3-phosphate dehydrogenase family	Glycerol-3-phosphate dehydrogenase	OG0001759	DAO,DAO_C,EF-hand_7
Belongs to the GMC oxidoreductase family	GMC oxidoreductase family	OG0003169, OG0011876	GMC_oxred_C,GMC_oxred_N, ACT_7,CB
Belongs to the RNase T2 family	Rnase	OG0000661	Ribonuclease_T2
Belongs to the TCTP family	TCTP family	OG0019392	TCTP
Belongs to the actin-binding proteins ADF family	Actin-binding proteins ADF family	OG0003643	Cofilin_ADF
Belongs to the arginase family	Arginase family	OG0000765	Arginase
Belongs to the class I-like SAM-binding methyltransferase superfamily. rRNA adenine N(6)-methyltransferase	Class I-like SAM-binding methyltransferase	OG0005855	RrnaAD
Belongs to the glycosyl hydrolase 1 family	Glycoside hydrolase	OG0014071	Glyco_hydro_1
Belongs to the glycosyl hydrolase 11 (cellulase G) family	Cellulase	OG0011597, OG0011826	CBM_1,Glyco_hydro_11, Glyco_hydro_11
Belongs to the glycosyl hydrolase 12 (cellulase H) family	Cellulase	OG0008669	Glyco_hydro_12
Belongs to the glycosyl hydrolase 18 family	Glycoside hydrolase	OG0000123, OG0004984, OG0005965, OG0006490, OG0008054, OG0010567, OG0011876, OG0012591, OG0012629, OG0012636, OG0012640, OG0012641, OG0012642, OG0012643, OG0012644, OG0012645, OG0012646, OG0012647, OG0012648, OG0012649, OG0012650, OG0012651, OG0012652, OG0012653, OG0012654, OG0012655, OG0012656, OG0012657, OG0012658, OG0012659, OG0012660, OG0012661, OG0012662, OG0012663, OG0012664, OG0012665, OG0012666, OG0012667, OG0012668, OG0012669, OG0012670, OG0012671, OG0012672, OG0012673, OG0012674, OG0012675, OG0012676, OG0012677, OG0012678, OG0012679, OG0012680, OG0012681, OG0012682, OG0012683, OG0012684, OG0012685, OG0012686, OG0012687, OG0012688, OG0012689, OG0012690, OG0012691, OG0012692, OG0012693, OG0012694, OG0012695, OG0012696, OG0012697, OG0012698, OG0012699, OG0012700, OG0012701, OG0012702, OG0012703, OG0012704, OG0012705, OG0012706, OG0012707, OG0012708, OG0012709, OG0012710, OG0012711, OG0012712, OG0012713, OG0012714, 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Belongs to the heat shock protein 70 family	Heat shock associated	OG0001707	HSP70
Belongs to the multicopper oxidase family	Multicopper oxidase	OG0009004, OG0012565	Cu-oxidase,Cu-oxidase_2,Cu-oxidase_3,
Belongs to the oxygen-dependent FAD-linked oxidoreductase family	Oxygen-dependent oxidoreductase	OG0005346, OG0005599, OG0006990, OG	BBE,FAD_binding_4, BBE,FAD_binding_4,
Belongs to the peptidase A1 family	Aspartyl protease	OG0005456, OG0011479, OG0013878, OG	Asp, Asp, Asp, Asp
Belongs to the peptidase M28 family	Metalloprotease M28	OG0003317, OG0005702	PA,Peptidase_M28, Peptidase_M28
Belongs to the peptidase S10 family	Serine protease S10	OG0005793, OG0006069, OG0008471, OG	Peptidase_S10, Peptidase_S10, Carbpep
Belongs to the peptidase S8 family	Serine protease S8	OG0006943, OG0006977, OG0012191, OG	PA,Peptidase_S8,fn3_5, Inhibitor_I9,Pept
Belongs to the peroxidase family	Peroxidase family	OG0003964	WSC,peroxidase
Belongs to the tannase family	Tannase family	OG0005010, OG0008307, OG0012025, OG	Tannase, Tannase, Tannase, Tannase
Belongs to the type-B carboxylesterase lipase family	Lipase	OG0000326, OG0000363, OG0005222, OG	COesterase, COesterase, COesterase, C
Beta-galactosidase trimerisation domain	Glycoside hydrolase	OG0010943	Glyco_hydro_42,Glyco_hydro_42M
Beta-galactosidase, domain 2	Glycoside hydrolase	OG0011822	BetaGal_dom2,BetaGal_dom3,BetaGal_4
Beta-glucosidase (SUN family)	Glycoside hydrolase	OG0001723	SUN
Beta-lactamase	Beta-lactamase	OG0006589	Beta-lactamase
Beta-xylanase	Glycoside hydrolase	OG0010563, OG0011631	CBM_1,Glyco_hydro_10, CBM_1,Glyco_h
CBM1-GH10. carbohydrate-binding module family 1	Glycoside hydrolase	OG0010766	CBM_1,Glyco_hydro_10
CFEM domain	CFEM domain	OG0006138, OG0014120, OG0017694, OG	CFEM, CFEM, CFEM, CFEM
CHRD domain	CHRD domain	OG0014003, OG0017306	CHRD, CHRD
CNH domain	CNH domain	OG0007375	CNH,Vps39_1,Vps39_2
Calcineurin-like phosphoesterase	Calcineurin-like phosphoesterase	OG0012174	Metallophos
Carbamoyl-phosphate synthetase large chain, oligomerisation domain	Carbamoyl-phosphate synthetase	OG0017314	CPSase_L_D2,CPSase_L_D3
Carbohydrate esterase family 12 protein	Lipase GDSL	OG0014131, OG0017460	CBM_1,Lipase_GDSL_2, Lipase_GDSL_2
Carbohydrate esterase family 16 protein	Lipase GDSL	OG0008052, OG0012022	Lipase_GDSL, Lipase_GDSL
Carbohydrate esterase family 5 protein	Cutinase	OG0010599	Cutinase
Carbohydrate esterase family 8 protein	Pectinesterase	OG0017191	Pectinesterase
Carbohydrate-binding module family 63 protein	Carbohydrate-binding module family 63 protein	OG0008045	DPBB_1,Pollen_allerg_1
Carboxylesterase family	Carboxylesterase family	OG0000248, OG0006337, OG0011239, OG	COesterase, COesterase, COesterase, C
Catalyzes the NADPH-dependent reduction of trans-2-enoyl thioesters in mitochondrial fatty acid synthase	Enoyl-[acyl-carrier-protein] reductase	OG0010264	ADH_zinc_N
Catalyzes the hydrolysis of sphingomyelin. Sphingomyelinases D are produced by some spider in the Sphingomyelin associated		OG0006583	NA
Catalyzes the transfer of endogenously produced octanoic acid from octanoyl-acyl-carrier-protein or Lipase	Lipase	OG0002867	BPL_LptA_LipB
Cell-wall agglutinin N-terminal ligand-sugar binding	Agglutinin-like protein	OG0017106	Candida_ALS,Candida_ALS_N
Cellulase (glycosyl hydrolase family 5)	Cellulase	OG0006544	CBM_1,Cellulase
Cellulose-growth-specific protein	Glycoside hydrolase	OG0014392	Glyco_hydro_61
Chitin binding domain	Chitin binding / recognition	OG0009302, OG0015597	Chitin_bind_1,Polysacc_deac_1, Chitin_b
Chitin recognition protein	Chitin binding / recognition	OG0000250, OG0006594, OG0015690	Chitin_bind_1,Glyco_hydro_18,LysM, Chi
Chitin-binding domain type 2	Chitin binding / recognition	OG0014772	CBM_14
Chitosanase catalyzing the endo-type cleavage of chitosan, the deacetylated form of chitin. Chitosanase	Chitosanase	OG0003778	Glyco_hydro_75
CobW domain protein	CobW domain protein	OG0011915	CobW_C,HIT,cobW
Common central domain of tyrosinase	Common central domain of tyrosinase	OG0005561	Gal-bind_lectin,Tyrosinase
Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that is involved in the assembly of the mitochondrial cristae	Component of the MICOS complex	OG0008954	AIM5
Component of the cytosolic iron-sulfur (Fe-S) protein assembly (CIA) machinery. Required for the maturation of iron-sulfur clusters in the cytosol	Cytosolic iron-sulfur (Fe-S) protein assembly (CIA) machinery	OG0001937	CIAPIN1,DRE2_N
Conserved region in glutamate synthase	Conserved region in glutamate synthase	OG0016014	FMN_dh
Cupin	Cupin	OG0000835, OG0014256	Cupin_1, Cupin_1
Cutinase	Cutinase	OG0005201, OG0011860	Cutinase, Cutinase
Cysteine desulfurase	Cysteine desulfurase	OG0005581	Aminotran_5
Cysteine proteinase	Cysteine protease	OG0007541	UCH
Cysteine-rich secreted protein	Cysteine-rich secreted protein	OG0005441	NA

Cytosolic domain of 10TM putative phosphate transporter	Putative phosphate transporter	OG0017957	PHM7_cyt,RSN1_7TM,RSN1_TM
DnaJ central domain	Heat shock associated	OG0002298	DnaJ,DnaJ_C,DnaJ_CXXCXGXG
DnaJ molecular chaperone homology domain	Heat shock associated	OG0001972	DnaJ,TPR_16,TPR_19,TPR_8
Domain of unknown function (DUF3844)	Domain of unknown function	OG0003813	DUF3844
Domain of unknown function (DUF4185)	Domain of unknown function	OG0017272	DUF4185
Domain of unknown function (DUF5127)	Domain of unknown function	OG0011603, OG0011714	DUF1793,DUF4964,DUF4965,DUF5127,
Endo-1,4-beta-xylanase involved in the hydrolysis of xylan, a major structural heterogeneous polysac	Glycoside hydrolase	OG0010646	Glyco_hydro_11
Endonuclease/Exonuclease/phosphatase family	Endonuclease/Exonuclease/phosphatase family	OG0010604	Exo_endo_phos
Endoplasmic Reticulum Oxidoreductin 1 (ERO1)	Endoplasmic Reticulum Oxidoreductin 1 (ERO1)	OG0001210	ERO1
Esterase-like activity of phytase	Phytase	OG0002584	Phytase-like
Eukaryotic aspartyl protease	Aspartyl protease	OG0000184, OG0012686, OG0014713, OG	Asp, Asp, Asp, Asp
Eukaryotic-type carbonic anhydrase	Eukaryotic-type carbonic anhydrase	OG0001819	Carb_anhydrase
Expressed protein	Lipase GDSL	OG0008224	Lipase_GDSL
Extracellular matrix protein	Extracellular matrix protein	OG0004448	GPI-anchored
Extracellular metalloprotease that contributes to pathogenicity	Metalloprotease M14	OG0001061	Peptidase_M14,Propep_M14
Extracellular serine carboxypeptidase that contributes to pathogenicity	Serine protease S10	OG0000534	Peptidase_S10
Extracellular serine-threonine rich protein	Extracellular serine-threonine rich protein	OG0011616	CFEM
FAD binding domain	FAD binding domain	OG0004489, OG0005956, OG0006930, OG	FAD_binding_4, FAD_binding_4, FAD_bini
FAD-dependent monooxygenase required for the C5-ring hydroxylation during ubiquinone biosynthes	FAD-dependent monooxygenase	OG0001586	FAD_binding_3
Ferredoxin-fold anticodon binding domain	Ferredoxin-fold anticodon binding domain	OG0001406	FDX-ACB,tRNA-synt_2d
Ferritin-like domain	Ferritin-like domain	OG0004660, OG0005435, OG0010865, OG	Ferritin_2, Ferritin_2, Ferritin_2, Ferritin_2
Fibronectin type III domain	Lipase GDSL	OG0000535	Lipase_GDSL_2,fn3
Flo11	Flocculin	OG0008597, OG0013796	Cyt-b5,Flocculin_t3, Cyt-b5,Flocculin_t3
Flocculin type 3 repeat	Flocculin	OG0007665, OG0010239, OG0017072, OG	Flocculin_t3, Flocculin_t3, Flocculin_t3, l
Four repeated domains in the Fasciclin I family of proteins, present in many other contexts.	Fasciclin I family	OG0012709, OG0012888	Fasciclin, Fasciclin
Fructosamine kinase	Fructosamine kinase	OG0006921	Fructosamin_kin
Functions as a sorting receptor in the Golgi compartment required for the intracellular sorting and de	Sorting receptor in the Golgi compartment	OG0015488	Sortilin-Vps10,Sortilin_C
Fungal fucose-specific lectin	Fungal fucose-specific lectin	OG0005805	Fungal_lectin
Fungal specific transcription factor domain	Fungal specific transcription factor domain	OG0004373	Fungal_trans,Zn_clus
Fungal-type cellulose-binding domain	Lipase GDSL	OG0014494	CBM_1,Lipase_GDSL_2
Fungalysin/Thermolysin Propeptide Motif	Metalloprotease M36	OG0000060	FTP,Peptidase_M36
G-X-X-X-Q-X-W domain-containing protein	G-X-X-X-Q-X-W domain-containing protein	OG0008845, OG0013402, OG0015785, OG	Ricin_B_lectin, Ricin_B_lectin, Ricin_B_le
GDSL-like Lipase/Acylhydrolase family	Lipase GDSL	OG0006310, OG0010431	Lipase_GDSL_2, Lipase_GDSL_2
GMC oxidoreductase	GMC oxidoreductase family	OG0001110, OG0009033, OG0012040, OG	GMC_oxred_C,GMC_oxred_N, GMC_oxre
GPI anchored cell wall protein	GPI anchored	OG0005460	NA
GPI anchored protein	GPI anchored	OG0005452	NA
GPI anchored serine-rich protein	GPI anchored	OG0005360	NA
Gamma interferon inducible lysosomal thiol reductase (GILT)	Di-sulfide bond reduction	OG0004040	GILT
Gamma-glutamyltranspeptidase	Gamma-glutamyltranspeptidase	OG0013987	G_glu_transpept
Glucose sorbosone	Glucose sorbosone	OG0007747	NA
Glyco_18	Glycoside hydrolase	OG0006332, OG0008817	Chitin_bind_1,Glyco_hydro_18,LysM, Gly
Glycoside Hydrolase	Glycoside hydrolase	OG0016312, OG0019712	Glyco_hydro_71, Glyco_hydro_71
Glycoside hydrolase family 10 protein	Glycoside hydrolase	OG0010702	Glyco_hydro_10
Glycoside hydrolase family 13 protein	Glycoside hydrolase	OG0007235, OG0008050	Alpha-amylase,CBM_20,DUF1966, Alpha
Glycoside hydrolase family 131 protein	Glycoside hydrolase	OG0011994	CBM_1
Glycoside hydrolase family 16 protein	Glycoside hydrolase	OG0000168	Glyco_hydro_16
Glycoside hydrolase family 17 protein	Glycoside hydrolase	OG0010493	But2,Glyco_hydro_17

Glycoside hydrolase family 2 protein	Glycoside hydrolase	OG0010405, OG0010417, OG0010472	DUF4982,Glyco_hydro_2,Glyco_hydro_2,
Glycoside hydrolase family 28 protein	Glycoside hydrolase	OG0008320, OG0010721	Glyco_hydro_28, Glyco_hydro_28
Glycoside hydrolase family 29 protein	Glycoside hydrolase	OG0006898	Alpha_L_fucos
Glycoside hydrolase family 3 protein	Glycoside hydrolase	OG0007500, OG0012211	Fn3-like,Glyco_hydro_3,Glyco_hydro_3,(
Glycoside hydrolase family 43 protein	Glycoside hydrolase	OG0008042	Glyco_hydro_43
Glycoside hydrolase family 51 protein	Glycoside hydrolase	OG0012085	Alpha-L-AF_C,CBM_4_9
Glycoside hydrolase family 54	Glycoside hydrolase	OG0010362	AbfB,ArabFuran-catal
Glycoside hydrolase family 78 protein	Glycoside hydrolase	OG0010684, OG0010784	Bac_rhamnosid6H,Bac_rhamnosid_C, Ba
Glycoside hydrolase family 79	Cellulase	OG0010373	Cellulase,Glyco_hydro_79C
Glycoside hydrolase family 95 protein	Glycoside hydrolase	OG0011749, OG0012120	Glyco_hyd_65N_2, Glyco_hyd_65N_2
Glycoside-hydrolase family GH114	Glycoside hydrolase	OG0012947	Glyco_hydro_114
Glycosyl Hydrolase Family 88	Glycoside hydrolase	OG0013458	Glyco_hydro_88
Glycosyl hydrolase	Glycoside hydrolase	OG0014412	Glyco_hydro_76
Glycosyl hydrolase catalytic core	Glycoside hydrolase	OG0003524, OG0006805, OG0008341, OG	Glyco_hydro_cc, Glyco_hydro_cc, Glyco_
Glycosyl hydrolase family 45	Glycoside hydrolase	OG0014136, OG0017366	CBM_1,Glyco_hydro_45, CBM_1,Glyco_h
Glycosyl hydrolase family 53	Glycoside hydrolase	OG0009773	Glyco_hydro_53
Glycosyl hydrolase family 61	Glycoside hydrolase	OG0010467, OG0012042, OG0014378	Glyco_hydro_61, Glyco_hydro_61, Glyco_
Glycosyl hydrolase family 71	Glycoside hydrolase	OG0007232	Glyco_hydro_71,WSC
Glycosyl hydrolase family 79 C-terminal beta domain	Glycoside hydrolase	OG0010953	Glyco_hydro_79C
Glycosyl hydrolases family 15	Glycoside hydrolase	OG0002957	CBM_21,Glyco_hydro_15
Glycosyl hydrolases family 16	Glycoside hydrolase	OG0005158	Glyco_hydro_16
Glycosyl hydrolases family 18	Glycoside hydrolase	OG0012586, OG0012941	Glyco_hydro_18, Glyco_hydro_18
Glycosyl hydrolases family 28	Glycoside hydrolase	OG0010535	Glyco_hydro_28
Glycosyl hydrolases family 32 N-terminal domain	Glycoside hydrolase	OG0004707	Glyco_hydro_32N,Glyco_hydro_43,Lamir
Glycosyl hydrolases family 43	Glycoside hydrolase	OG0012238	Glyco_hydro_43
HET domain protein	HET domain protein	OG0013953	HET
Haloacid dehalogenase-like hydrolase	Haloacid dehalogenase-like hydrolase	OG0012718	HAD_2,Hydrolase,Hydrolase_like
Hsp90 protein	Heat shock associated	OG0001203	HSP90
Hydrophobic surface binding protein A	Hydrophobic surface binding protein A	OG0004639, OG0006356, OG0008779, OG	HsbA, HsbA, HsbA, HsbA, HsbA, HsbA, H
Hydrophobins	Hydrophobins	OG0005819	Hydrophobin
Hyphally regulated cell wall protein N-terminal	Hyr1, cell wall protein	OG0009238, OG0015591, OG0018145	HyphaL_reg_CWP, HyphaL_reg_CWP, Hyp
IgA Peptidase M64	Metalloprotease M64	OG0012899	Peptidase_M64
IgE-binding protein	IgE-binding protein	OG0004925	Carb_bind
Involved in maceration and soft-rotting of plant tissue	Pectinesterase	OG0010650, OG0011648	Pectinesterase, Pectinesterase
Involved in spore wall assembly. May be a component of the mitochondrial RNase MRP (MtMRP), a ril	Involved in the export of PMA1	OG0008922, OG0014847	DUF3659, DUF3659
Involved in the export of PMA1, possibly through the monitoring or assisting of PMA1 folding and acqu	Involved in the export of PMA1	OG0014899	SOP4
Isochorismatase family	Isochorismatase family	OG0014051, OG0014493	Isochorismatase, Isochorismatase
Killer toxin-resistance protein 1	Killer toxin-resistance protein	OG0018344	KRE1
Lactonase, 7-bladed beta-propeller	Lactonase, 7-bladed beta-propeller	OG0003779	Lactonase
Lectin involved in the quality control of the secretory pathway. As a member of the endoplasmic retic	Lectin involved in the quality control of the secretory patl	OG0010192	PRKCSH
LicD family	LicD family	OG0007453	LicD
Lipase class 2	Lipase	OG0014273, OG0017318	Lipase_2, Lipase_2
Lipase (class 3)	Lipase	OG0001573	Lipase_3
Lipase b	Lipase	OG0011658, OG0014250, OG0017549	DUF676, NA, NA
Lipase class 2	Lipase	OG0011773	Lipase_2
Lipoxygenase	Lipoxygenase	OG0011671	Lipoxygenase
LysM domain	LysM domain	OG0000052, OG0006551, OG0009160, OG	LysM, LysM, Chitin_bind_1,Glyco_hydro_

Lysin motif	LysM domain	OG0005272, OG0006409, OG0018105	LysM, LysM, LysM
Lytic polysaccharide mono-oxygenase, cellulose-degrading	Lytic polysaccharide mono-oxygenase	OG0014039	LPMO_10
Major royal jelly protein	Major royal jelly protein	OG0010696, OG0012166	MRJP, MRJP
Mannan endo-1,6- α -mannosidase	Glycoside hydrolase	OG0012159, OG0018558	Glyco_hydro_76, Glyco_hydro_76
Mating factor alpha	Mating factor alpha	OG0013758, OG0015283	MF_alpha,MF_alpha_N, MF_alpha,MF_al
Meiotically up-regulated gene family	Meiotically up-regulated gene family	OG0018069	MU117
Methyltransferase domain	Methyltransferase domain	OG0010423, OG0018095	Methyltransf_23,Methyltransf_25, Methyl
Multicopper oxidase	Multicopper oxidase	OG0000083, OG0007192, OG0010770, OG	Cu-oxidase,Cu-oxidase_2,Cu-oxidase_3,
Myosin class II heavy chain	Myosin class II heavy chain	OG0004450	NA
NAD-binding of NADP-dependent 3-hydroxyisobutyrate dehydrogenase	NAD-binding of NADP-dependent 3-hydroxyisobutyrate d	OG0003288	NAD_binding_11,NAD_binding_2
NlpC/P60 family	NlpC/P60 family	OG0005006	NLPC_P60
Non-catalytic module family expn	Non-catalytic module family expn	OG0013096	Barwin,DPBB_1
Non-catalytic module family expn protein	Non-catalytic module family expn protein	OG0003026	DPBB_1
PLC-like phosphodiesterase	PLC-like phosphodiesterase	OG0012052	NA
Pathogen effector; putative necrosis-inducing factor	Putative necrosis-inducing factor	OG0002853	Glyco_hydro_18,Hce2,LysM
Pectate lyase	Pectin lyase	OG0008220, OG0010531, OG0010840	Pectate_lyase, Pectate_lyase, Beta_helix
Pectinolytic enzymes consist of four classes of enzymes pectin lyase, polygalacturonase, pectin met	Pectin lyase	OG0014402	Pec_lyase_C
Pectinolytic enzymes consist of four classes of enzymes pectin lyase, polygalacturonase, pectin met	Pectin lyase	OG0009325	CBM_1,Pec_lyase_C
Pectinolytic enzymes consist of four classes of enzymes pectin lyase, polygalacturonase, pectin met	Pectin lyase	OG0014320	CBM-like,fn3_3
Peptidase family M20/M25/M40	Metalloprotease M20	OG0018926	M20_dimer,Peptidase_M20,Peptidase_M
Peptidase family M28	Metalloprotease M28	OG0010109	Peptidase_M28
Peptidase inhibitor I9	Serine protease S8	OG0013317	Inhibitor_I9,Peptidase_S8
Peroxidase, family 2	Peroxidase, family 2	OG0006329, OG0008048, OG0009032, OG	Peroxidase_2, Peroxidase_2, Peroxidase_
Pfam:PA14_2	Pfam:PA14_2	OG0015572	GLEYA
Pheromone	Adhesion, hyr/iff-like	OG0014482, OG0017424	HyphaL_reg_CWP, HyphaL_reg_CWP
Phophatidylserine decarboxylase	Phophatidylserine decarboxylase	OG0010616	PSDC,PS_Dcarbxyase
Phosphatidylethanolamine-binding protein	Phosphatidylethanolamine-binding protein	OG0010549, OG0013581	PBP, PBP
Phosphoesterase family	Phosphoesterase family	OG0000710, OG0007739, OG0009743	Phosphoesterase, Phosphoesterase, Phc
Phosphoinositide phospholipase C, Ca2+-dependent	Phospholipase	OG0011699	PI-PLC-C1
Phytanoyl-CoA dioxygenase (PhyH)	Phytanoyl-CoA dioxygenase (PhyH)	OG0007363	PhyH
Phytase	Phytase	OG0001852	EGF_2,Phytase
Poly A polymerase head domain	Poly A polymerase head domain	OG0001280	PolyA_pol,PolyA_pol_RNAbd,Tti2
Polysaccharide deacetylase	Polysaccharide deacetylase	OG0000145, OG0000258, OG0005239, OG	Chitin_bind_1,Polysacc_deac_1, Polysac
Polysaccharide lyase family 3 protein	Pectin lyase	OG0010620	Pectate_lyase
Pregnancy-associated plasma protein-A	Metalloprotease M43	OG0012147	Peptidase_M43
Prenylcysteine lyase	Prenylcysteine lyase	OG0002716	NAD_binding_8,Prenylcys_lyase
Pro-kumamolisin, activation domain	Serine protease S8	OG0010426, OG0012317, OG0014045, OG	Pro-kuma_activ, Peptidase_S8,Pro-kuma
Prolyl 4-hydroxylase alpha subunit homologues.	Prolyl 4-hydroxylase	OG0006608	2OG-FelI_Oxy_3
Protease component of the SPS-sensor system, which regulates the expression of several amino acic	Serine protease S64	OG0005699	Peptidase_S64
Protein disulfide isomerase	Protein disulfide isomerase	OG0001657	Thioredoxin,Thioredoxin_6
Protein of unknown function (DUF1214)	Protein of unknown function	OG0017674	DUF1214,DUF1254
Protein of unknown function (DUF1593)	Protein of unknown function	OG0010834	DUF1593
Protein of unknown function (DUF1620)	PQQ containing protein	OG0002251	DUF1620,PQQ_2
Protein of unknown function (DUF3246)	Mid2, plasma membrane protein	OG0009527	DUF3246,Mid2
Protein of unknown function (DUF3455)	Protein of unknown function	OG0006311	DUF3455
Protein of unknown function (DUF3602)	Protein of unknown function	OG0006010	DUF3602
Proteoglycan 4	Proteoglycan 4	OG0010717	NA

Purine nucleoside permease (NUP)	Purine nucleoside permease (NUP)	OG0006180	NUP
Putative esterase	Putative esterase	OG0010595	Esterase
Putative peptidase family	Metalloprotease	OG0004444	HRXXH
Putative stress-responsive nuclear envelope protein	Putative stress-response	OG0002985, OG0011010	Ish1, Ish1
Pyridoxamine 5'-phosphate oxidase	Pyridoxamine 5'-phosphate oxidase	OG0003159	Pyrid_oxidase_2
RNA polymerase II	RNA polymerase II	OG0001577	BRCT,NIF,PTCB-BRCT
RNA recognition motif	RNA recognition motif	OG0002676, OG0013203, OG0015981	EF-hand_5,EF-hand_6,EF-hand_7, RRM_1
Repeat domain in Vibrio, Colwellia, Bradyrhizobium and Shewanella	Lipase GDSL	OG0006188	Lipase_GDSL_2,VCBS
Required for protein translocation and folding in the endoplasmic reticulum (ER). Functions as a nuclear pore complex component	Protein translocation and folding in the endoplasmic reticulum	OG0007447	SIL1
Ricin b lectin	Ricin b lectin	OG0010496	NA
Ricin-type beta-trefoil	Cellulase	OG0015866, OG0016085, OG0019618	Cellulase,GLEYA,Ricin_B_lectin, Cellulase
Ricin-type beta-trefoil lectin domain	Ricin b lectin	OG0012681	Ricin_B_lectin
S1/P1 Nuclease	S1/P1 Nuclease	OG0006956	S1-P1_nuclease
SCP / Tpx-1 / Ag5 / PR-1 / Sc7 family of extracellular domains.	SCP family of extracellular domains	OG0013068, OG0015828	CAP, CAP
Saccharomyces cerevisiae YCL049c	Saccharomyces cerevisiae YCL049c	OG0015137	NA
Saccharomyces cerevisiae YJL171c	GPI anchored, yeast gene	OG0007664	DUF2401,DUF2403
Saccharomyces cerevisiae YLR040c	TIP1	OG0012449, OG0015137	SRP1_TIP1
Saccharomyces cerevisiae YNL190W	GPI anchored, yeast gene	OG0009550, OG0018122, OG0018328	NA, NA, NA
Secreted metalloproteinase that allows assimilation of proteinaceous substrates. Plays a pivotal role in the degradation of keratin	Metalloprotease M43	OG0000834, OG0005258, OG0015744	Peptidase_M43, Peptidase_M43, Peptidase_M43
Secreted protein	GPI anchored	OG0005574, OG0006548, OG0009835	DUF4360, NA, NA
Secreted subtilisin-like serine protease with keratinolytic activity that contributes to pathogenicity	Serine protease S8	OG0005718, OG0006721	Inhibitor_I9,Peptidase_S8, Inhibitor_I9,Peptidase_S8
Ser-Thr-rich glycosyl-phosphatidyl-inositol-anchored membrane family	Ser-Thr-rich GPI anchored	OG0004931, OG0009996, OG0011161, OG0011161	GPI-anchored, GPI-anchored, GPI-anchored
Serine carboxypeptidase	Serine protease S28	OG0014450	Peptidase_S28
Serine carboxypeptidase S28	Serine protease S28	OG0003266	Peptidase_S28
Seripauperin and TIP1 family	TIP1	OG0006867, OG0018142	SRP1_TIP1, PIR,SRP1_TIP1
Sexual development protein	Sexual development protein	OG0011687	Ferritin_2
Sigma factor PP2C-like phosphatases	Sigma factor PP2C-like phosphatases	OG0001742	PP2C
Some similarities with uniprot P08640 Saccharomyces cerevisiae YIR019C MUC1 GPI-anchored cell surface glycoprotein	MUC1 cell surface glycoprotein	OG0018270	Candida_ALS,Candida_ALS_N,Flo11
Splits internally a 1,3-beta-glucan molecule and transfers the newly generated reducing end (the donor) to a protein	Glycoside hydrolase	OG0003077, OG0014432	Glyco_hydro_72, Glyco_hydro_72
SprT-like zinc ribbon domain	SprT-like zinc ribbon domain	OG0000207	HMG_box,SprT-like,Zn_ribbon_SprT
Structure-specific nuclease with 5'-flap endonuclease and 5'-3' exonuclease activities involved in DNA replication	Structure-specific endo/exo-nuclease	OG0015711	XPG_I,XPG_N
Subtilase family	Serine protease S8	OG0007398, OG0019257	Inhibitor_I9,Peptidase_S8, Inhibitor_I9,Peptidase_S8
Sulfatase	Sulfatase	OG0012063	Sulfatase
Survival protein SurE	Survival protein SurE	OG0009681	SurE
TAP-like protein	Alpha/beta hydrolase	OG0005367	Abhydrolase_1,Abhydrolase_4
TIM barrel metal-dependent hydrolase	TIM barrel metal-dependent hydrolase	OG0011809	Amidohydro_2
ThiF family	ThiF family	OG0002214	ThiF
Trehalase	Trehalase	OG0012513, OG0012987	Trehalase, Trehalase
Trehalose utilisation	Trehalose utilisation	OG0013020	ThuA
Ubiquitin 3 binding protein But2 C-terminal domain	Ubiquitin 3 binding protein But2 C-terminal domain	OG0004888, OG0010864	But2, But2
Uncharacterized conserved protein (DUF2183)	Uncharacterized conserved protein	OG0011644	DUF2183
Vacuolar ATP synthase subunit S1 (ATP6S1)	Vacuolar ATP synthase subunit S1 (ATP6S1)	OG0017462	NA
WD40 repeat-like protein	WD40 repeat-like protein	OG0001366	ANAPC4_WD40,Mcl1_mid,WD40
WD40-like Beta Propeller Repeat	WD40-like Beta Propeller Repeat	OG0014114	PD40
Wsc domain-containing protein	Wsc domain-containing protein	OG0005551	DUF1996,WSC
Xylanase inhibitor N-terminal	Xylanase inhibitor N-terminal	OG0019662	Asp
Yeast cell wall synthesis protein KRE9/KNH1	Cell wall synthesis KRE9/KNH1	OG0002998	GPI-anchored,KRE9

Zinc carboxypeptidase	Metalloprotease M14	OG0004986	Peptidase_M14
a crucial enzyme for depolymerization of seed galactomannans and wood galactoglucomannans	Cellulase	OG0010722	CBM_1,Cellulase
acid phosphatase	acid phosphatase	OG0007501	Metallophos,Metallophos_C,Pur_ac_pho
alpha beta-hydrolase	Serine protease S9	OG0000396	PD40,Peptidase_S9
alpha-L-arabinofuranosidase	alpha-L-arabinofuranosidase	OG0010363, OG0017177	Alpha-L-AF_C,CBM_4_9, Alpha-L-AF_C,C
alpha-L-rhamnosidase	Glycoside hydrolase	OG0017518, OG0017527	Glyco_hydro_106, Glyco_hydro_106
beta-hexosaminidase	Glycoside hydrolase	OG0003796	Glyco_hydro_20,Glycohydro_20b2
binding of sperm to zona pellucida	Potential adhesion	OG0005369, OG0008172	NA, NA
bnr asp-box repeat	bnr asp-box repeat	OG0009750	NA
carbohydrate esterase family 15 protein	carbohydrate esterase family 15 protein	OG0011786	NA
carbohydrate-binding module family 13 protein	carbohydrate-binding module family 13 protein	OG0010024, OG0013442, OG0015970, OG	Ricin_B_lectin, Ricin_B_lectin, Ricin_B_le
carboxypeptidase that may be involved in cell wall organization and biogenesis	Metalloprotease M14	OG0003104	Peptidase_M14
cell wall protein	Hyr1, cell wall protein	OG0005371, OG0005875, OG0007079	HyphaL_reg_CWP,Hyr1, NA, PIR
cfem domain-containing protein	CFEM domain	OG0018619	Candida_ALS,Candida_ALS_N,Flo11
chitin binding protein	Chitin binding / recognition	OG0011815	LPMO_10
component of the endoplasmic reticulum- associated degradation (ERAD) pathway	Endoplasmic reticulum- associated degradation (ERAD)	OG0008548	NA
cu Zn superoxide dismutase	Cu Zn superoxide dismutase	OG0003113	Sod_Cu
glycoside hydrolase family 16 protein	Glycoside hydrolase	OG0005666	NA
glycoside hydrolase family 2	Glycoside hydrolase	OG0005003	Glyco_hydro_2,Glyco_hydro_2_C,Glyco_
glycoside hydrolase family 62 protein	Glycoside hydrolase	OG0010399	CBM_1,Glyco_hydro_62
glycoside hydrolase family 76 protein	Glycoside hydrolase	OG0010877	Glyco_hydro_76
gpi anchored	GPI anchored	OG0010394	Dioxygenase_C
lipocalin-like domain-containing protein	lipocalin-like domain-containing protein	OG0008675	Lipocalin_2
lysozyme	lysozyme	OG0013125	Phage_lysozyme,SH3_3
mRNA-binding protein involved in proper cytoplasmic distribution of mitochondria	mRNA-binding protein	OG0001396	CLU,CLU_N,DUF727,TPR_10,TPR_12,eIF
mannan endo-1,4-beta-mannosidase activity	mannan endo-1,4-beta-mannosidase activity	OG0009777	CBM_1
mmc protein	MMC protein, bleomycin binding	OG0004919	NA
pathogenesis	Pathogenesis	OG0008272, OG0008568, OG0010214, OG	NA, NA, NA, NA, NA, NA, NA
pectin lyase	Pectin lyase	OG0014095	CBM_1,Pec_lyase_C
phosphatidylglycerol phosphatidylinositol transfer protein	phosphatidylglycerol phosphatidylinositol transfer protei	OG0012234	E1_DerP2_DerF2
proline rich protein	proline rich protein	OG0010776	NA
protocatechuate 3,4-dioxygenase activity	protocatechuate 3,4-dioxygenase activity	OG0008325	NA
regulation of mitochondrial expression of subunits 6 (Atp6p) and 8 (Atp8p) of the Fo-F1 ATP synthase	Mitochondrial expression of Atp6p and Atp8p	OG0018866	NCA2
repair protein Pso2 Snm1	repair protein Pso2 Snm1	OG0002133	DRMBL,Lactamase_B_2
response to estrogen	Response to estrogen	OG0010891	NA
selenium binding protein	selenium binding protein	OG0016219	SBP56
shows high activities on basic nuclear substrates such as histone and protamine	Metalloprotease M35	OG0000063	Peptidase_M35
some similarities with uniprot	Flocculin	OG0006826, OG0009976, OG0012451, OG	Flocculin,GLEYA,HyphaL_reg_CWP, GLEY
structural constituent of cuticle	Cuticle	OG0016913	NA
structural molecule activity	structural molecule activity	OG0018148	Cyt-b5,Flocculin_t3
surface antigen	CFEM domain	OG0005254	CFEM
thaumatin domain protein	Thaumatoin domain protein	OG0001432	Bys1
to Saccharomyces cerevisiae	PIR cell wall mannoprotein	OG0007707, OG0009239, OG0013837, OG	PIR, PIR, PIR, PIR
to Saccharomyces cerevisiae CRH1 (YGR189C)	Glycoside hydrolase	OG0000062	Glyco_hydro_16
to Saccharomyces cerevisiae DAL81 (YIR023W)	DAL81 (YIR023W)	OG0018829	Fungal_trans,Zn_clus
to Saccharomyces cerevisiae DCP1 (YOL149W)	DCP1 (YOL149W)	OG0008611	DCP1
to Saccharomyces cerevisiae DSE2 (YHR143W)	DSE2 (YHR143W)	OG0015454	NA

to <i>Saccharomyces cerevisiae</i> ECM33 (YBR078W) and PST1 (YDR055W)	GPI anchored, yeast gene	OG0009959	Recep_L_domain
to <i>Saccharomyces cerevisiae</i> EGT2 (YNL327W)	GPI anchored, yeast gene	OG0015400	NA
to <i>Saccharomyces cerevisiae</i> GCR2 (YNL199C)	GCR2 (YNL199C)	OG0015472	NA
to <i>Saccharomyces cerevisiae</i> IRE1 (YHR079C)	Serine protease	OG0006374	Pkinase,Ribonuc_2-5A
to <i>Saccharomyces cerevisiae</i> MPD2 (YOL088C)	MPD2 (YOL088C)	OG0014973	Thioredoxin
to <i>Saccharomyces cerevisiae</i> PDI1 (YCL043C) and EUG1 (YDR518W)	PDI1 (YCL043C) and EUG1 (YDR518W)	OG0014978	Thioredoxin,Thioredoxin_6
to <i>Saccharomyces cerevisiae</i> SAG1 (YJR004C)	SAG1 (YJR004C)	OG0014954	Candida_ALS_N,Flocculin
to <i>Saccharomyces cerevisiae</i> SED1 (YDR077W) and SPI1 (YER150W)	GPI anchored, yeast gene	OG0018127	NA
to <i>Saccharomyces cerevisiae</i> SPS100 (YHR139C) and YGP1 (YNL160W)	SPS100 (YHR139C) and YGP1 (YNL160W)	OG0015294, OG0015453	NA, NA
to <i>Saccharomyces cerevisiae</i> SPS22 (YCL048W) and SPS2 (YDR522C)	GPI anchored, yeast gene	OG0015360	Recep_L_domain
to <i>Saccharomyces cerevisiae</i> TOS1 (YBR162C)	TOS1 (YBR162C)	OG0003150	DUF2401,DUF2403
to <i>Saccharomyces cerevisiae</i> YLR194C	GPI anchored, yeast gene	OG0015155	NA
uniprot P28319 <i>Saccharomyces cerevisiae</i> YKL096w CWP1 cell wall mannoprotein	PIR cell wall mannoprotein	OG0011140, OG0015385	PIR, PIR
von Willebrand factor (vWF) type A domain	von Willebrand factor (vWF) type A domain	OG0013332, OG0013593, OG0016058, OG	VWA,VWA_2, VWA,VWA_2, VWA,VWA_2,
Agglutinin-like protein	Agglutinin-like protein	OG0006286, OG0006286	Candida_ALS,Candida_ALS_N, Candida_
Alkaline phosphatase	Alkaline phosphatase	OG0004049, OG0004049	Alk_phosphatase, Alk_phosphatase
Alpha-acetolactate decarboxylase	Alpha-acetolactate decarboxylase	OG0012629, OG0012629	AAL_decarboxy, AAL_decarboxy
Alpha/Beta hydrolase fold	Alpha/beta hydrolase	OG0008102, OG0010546	NA, Abhydrolase_6,Hydrolase_4
Aspartic peptidase domain superfamily	Aspartyl protease	OG0008909	NA
CYTH-like domain superfamily	CYTH-like domain superfamily	OG0012916	NA
Calmodulin/Myosin light chain/Troponin C-like	Calmodulin/Myosin light chain	OG0005026, OG0011990	NA, NA
Chondroitin AC/alginate lyase	Chondroitin AC/alginate lyase	OG0017685	Alginate_lyase
Copper acquisition factor BIM1-like	Copper acquisition factor BIM1-like	OG0004658	NA
Cupredoxin	Cupredoxin	OG0005996, OG0006154	NA, NA
Cytochrome cd1-nitrite reductase-like, haem d1 domain superfamily	Cytochrome cd1-nitrite reductase	OG0011944	NA
EF-hand domain pair	EF-hand domain pair	OG0005026, OG0011990	NA, NA
ER membrane protein complex subunit 7	ER membrane protein complex subunit 7	OG0004579	APH,Pkinase
Endochitinase-like superfamily	Endochitinase-like superfamily	OG0014375	NA
FAS1 domain superfamily	FAS1 domain superfamily	OG0008511	Fasciclin
GPI-Mannosyltransferase II co-activator, Pga1	GPI-Mannosyltransferase II co-activator, Pga1	OG0005588	Pga1
GPI-anchored Adhesion Regulator	GPI anchored	OG0013306	GPI-anchored
Galactose oxidase/kelch, beta-propeller	Galactose oxidase/kelch, beta-propeller	OG0013022	NA
Galactose-binding-like domain superfamily	Galactose-binding-like domain superfamily	OG0010491	Bac_rhamnosid6H,F5_F8_type_C,RicinB_
Gamma-glutamyltranspeptidase	Gamma-glutamyltranspeptidase	OG0013987	G_glu_transpept, G_glu_transpept
Glycosyl hydrolase family 53	Glycoside hydrolase	OG0009773	Glyco_hydro_53, Glyco_hydro_53
Group XII secretory phospholipase A2 precursor	Phospholipase	OG0009281, OG0016099	PLA2G12, PLA2G12
Growth factor receptor cysteine-rich domain superfamily	Growth factor receptor	OG0012975	Stig1
Knottin, scorpion toxin-like superfamily	Knottin, anti-microbial peptide	OG0005459	NA
Lipoxygenase	Lipoxygenase	OG0011671	Lipoxygenase, Lipoxygenase
Lysozyme-like domain superfamily	Lysozyme-like domain superfamily	OG0013999, OG0014375	NA, NA
Mannan endo-1,6- α -mannosidase	Glycoside hydrolase	OG0012159, OG0018558	Glyco_hydro_76, Glyco_hydro_76, Glyco_
Microtubule associated protein 1	Microtubule associated protein 1	OG0012181	Clr5,MU117,TPR_12
Multicopper oxidase	Multicopper oxidase	OG0000083, OG0007192, OG0010770, OG	Cu-oxidase,Cu-oxidase_2,Cu-oxidase_3,
Nucleotidyltransferase superfamily	Nucleotidyltransferase superfamily	OG0011262	NA
Osmotin/thaumatococcus-like superfamily	Osmotin/thaumatococcus-like superfamily	OG0010875	NA
PcRGLX/YetA-like	PcRGLX/YetA-like	OG0010817	NA
PhiA domain-containing protein	PhiA domain-containing protein	OG0006154	NA

Phospholipase A2 domain superfamily	Phospholipase	OG0009281, OG0016099	PLA2G12, PLA2G12
Protein PriA/CPL1	Protein PriA/CPL1	OG0012969, OG0012975, OG0013491, OG	Stig1
Protein kinase-like domain superfamily	Protein kinase-like domain superfamily	OG0004579	APH,Pkinase
Ricin B-like lectins	Ricin B-like lectins	OG0011255, OG0013064	B-block_TFIIIC, B-block_TFIIIC, B-block_
Serine-rich & Multicopper Oxidase-related	Multicopper oxidase	OG0005996	NA
Six-hairpin glycosidase superfamily	Glycoside hydrolase	OG0008322, OG0010491	Carb_bind, Bac_rhamnosid6H,F5_F8_typ
Stanniocalcin	Stanniocalcin	OG0006135	Stanniocalcin
Uncharacterized protein AN11006-like	Uncharacterized protein AN11006-like	OG0017376	NA
Yeast Cell Wall Mannoprotein PIR	PIR cell wall mannoprotein	OG0015583	NA
Abhydrolase_6,Hydrolase_4	Alpha/beta hydrolase	OG0010546	Abhydrolase_6,Hydrolase_4
Astacin, M12	Metalloprotease M12	OG0008429, OG0012071	Astacin
But2	But2	OG0005635	But2
CFEM	CFEM domain	OG0008555	CFEM
Cellulase,GLEYA,Ricin_B_lectin	Cellulase	OG0011473	Cellulase,GLEYA,Ricin_B_lectin
Glyco_transf_54	Glyco_transf_54	OG0010331	Glyco_transf_54
PIR	PIR cell wall mannoprotein	OG0014936	PIR
SPT_ssu-like	Sphingomyelin associated	OG0006295	SPT_ssu-like
		OG0003520, OG0003721, OG0004405, OG0004533, OG0004804, OG0004832, OG00	

Candida dubliniensis	Candida parapsilosis	Candida tropicalis	Epidermophyton floccosum	Hortaea werneckii	Malassezia furfur	Malassezia globosa	Malassezia restricta	Microsporum audouinii
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33	30	32	60	133	20	9	9	70	

Microsporium canis	Microsporium ferrugineum	Nakaseomyces glabratus	Nannizzia gypsea	Pichia kudriavzevii	Trichophyton concentricum	Trichophyton mentagrophytes	Trichophyton rubrum
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2	2	0	2	0	2	2	2
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[illegible]

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0	0	0	0	0	0	0	0
16	12	0	16	0	12	12	16
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0
1	1	0	2	0	1	0	0	1
77	81	5	62	2	69	67	74	

Trichophyton schoenleinii	Trichophyton tonsurans	Trichophyton violaceum	Trichosporon ovoides	Total genec
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0	0	0	0	2
1	1	1	1	20
0	0	0	0	16
0	0	0	0	3
0	0	0	0	3
1	1	1	1	18
0	0	0	0	8
1	1	1	1	15
0	0	0	0	8
0	0	0	0	3
0	0	0	0	2
3	3	3	3	42
0	0	0	0	6
3	2	2	2	37
0	0	0	0	2
3	2	2	2	31
0	0	0	0	1
2	1	1	1	13
0	0	0	0	1
0	0	0	0	2
1	1	1	1	15
0	0	0	1	5
1	1	1	1	12
1	1	1	1	24
1	1	1	1	22
1	1	1	1	33
0	0	0	1	2
1	1	1	1	18
1	1	1	2	33
1	1	1	1	12
0	0	0	0	1
0	0	0	0	4
0	0	0	0	4
5	6	5	3	78
0	0	0	0	2
0	0	0	0	6
0	0	0	0	1
0	0	0	0	6
2	2	2	2	53
0	0	0	0	2
0	0	0	0	14
1	1	1	1	15
0	0	0	0	16
0	0	0	0	6

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2	2	3	0	38
1	1	1	0	18
2	2	2	0	31
2	2	3	0	30
0	0	0	0	13
1	2	1	3	20
1	1	1	0	22
5	7	6	0	92
0	0	0	0	2
0	0	0	0	2
1	1	1	0	26
1	1	1	0	9
0	0	0	0	4
0	0	0	0	2
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0	0	0	0	2
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0	0	0	0	2
0	0	0	0	1
0	0	0	0	4
3	3	3	14	58
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2	1	1	0	9
1	1	1	2	22
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0	0	0	0	4
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0	0	0	2	2
2	2	2	2	29
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1	1	1	0	12
0	0	0	0	4
1	1	1	0	13

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2	2	2	0	25
3	3	3	2	47
2	3	2	0	26
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1	1	1	0	14
2	2	2	0	25
2	2	2	0	30
0	0	0	0	2
4	5	3	0	43
1	1	1	2	25
1	1	1	2	26
2	3	2	0	32
3	2	2	0	32
0	0	0	0	6
0	0	0	0	13
0	0	0	4	4
1	1	1	0	7
0	0	0	0	1
1	1	1	0	12
1	1	1	0	16
0	0	0	0	1
5	5	5	2	62
0	0	0	9	9
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1	1	2	3	14
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0	0	0	0	2
1	1	1	0	14
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1	1	1	2	24
2	2	2	0	37
1	1	1	0	12
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6	4	6	2	94

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1	1	1	8	29
2	2	2	0	21
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0	0	0	0	9
0	0	0	0	2
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2	2	3	2	44
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1	1	1	0	12
73	69	71	31	1144