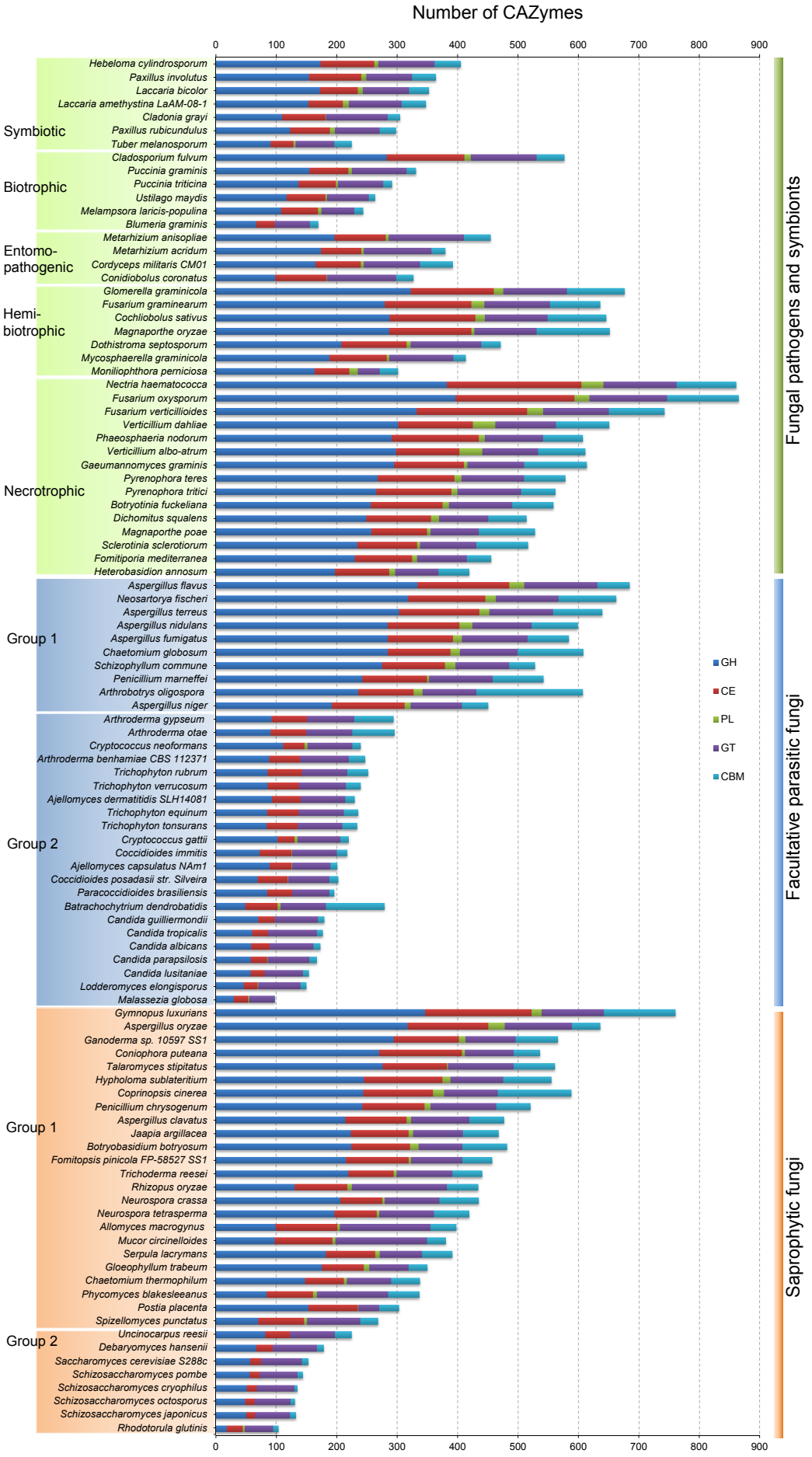
Number of CAZymes
0
100
200
300
400
500
600
700
800
900
Fungal pathogens and symbionts
Symbiotic
Hebeloma cylindrosporum
Paxillus involutus
Laccaria bicolor
Laccaria amethystina LaAM-08-1
Cladonia grayi
Paxillus rubicundulus
Tuber melanosporum
Biotrophic
Cladosporium fulvum
Puccinia graminis
Puccinia triticina
Ustilago maydis
Melampsora laricis-populina
Blumeria graminis
Entomo-pathogenic
Metarhizium anisopliae
Metarhizium acridum
Cordyceps militaris CM01
Conidiobolus coronatus
Hemi-biotrophic
Glomerella graminicola
Fusarium graminearum
Cochliobolus sativus
Magnaporthe oryzae
Dothistroma septosporum
Mycosphaerella graminicola
Moniliophthora perniciosa
Necrotrophic
Nectria haematococca
Fusarium oxysporum
Fusarium verticillioides
Verticillium dahliae
Phaeosphaeria nodorum
Verticillium albo-atrum
Gaeumannomyces graminis
Pyrenophora teres
Pyrenophora tritici
Botryotinia fuckeliana
Dichomitus squalens
Magnaporthe poae
Sclerotinia sclerotiorum
Fomitiporia mediterranea
Heterobasidion annosum
Facultative parasitic fungi
Group 1
Aspergillus flavus
Neosartorya fischeri
Aspergillus terreus
Aspergillus nidulans
Aspergillus fumigatus
Chaetomium globosum
Schizophyllum commune
Penicillium marneffei
Arthrobotrys oligospora
Aspergillus niger
Group 2
Arthroderma gypseum
Arthroderma otae
Cryptococcus neoformans
Arthroderma benhamiae CBS 112371
Trichophyton rubrum
Trichophyton verrucosum
Ajellomyces dermatitidis SLH14081
Trichophyton equinum
Trichophyton tonsurans
Cryptococcus gattii
Coccidioides immitis
Ajellomyces capsulatus NAm1
Coccidioides posadasii str. Silveira
Paracoccidioides brasiliensis
Batrachochytrium dendrobatidis
Candida guilliermondii
Candida tropicalis
Candida albicans
Candida parapsilosis
Candida lusitaniae
Lodderomyces elongisporus
Malassezia globosa
GH
CE
PL
GT
CBM
Saprophytic fungi
Group 1
Gymnopus luxurians
Aspergillus oryzae
Ganoderma sp. 10597 SS1
Coniophora puteana
Talaromyces stipitatus
Hypholoma sublateritium
Coprinopsis cinerea
Penicillium chrysogenum
Aspergillus clavatus
Jaapia argillacea
Botryobasidium botryosum
Fomitopsis pinicola FP-58527 SS1
Trichoderma reesei
Rhizopus oryzae
Neurospora crassa
Neurospora tetrasperma
Allomyces macrogynus
Mucor circinelloides
Serpula lacrymans
Gloeophyllum trabeum
Chaetomium thermophilum
Phycomyces blakesleeanus
Postia placenta
Spizellomyces punctatus
Group 2
Uncinocarpus reesii
Debaryomyces hansenii
Saccharomyces cerevisiae S288c
Schizosaccharomyces pombe
Schizosaccharomyces cryophilus
Schizosaccharomyces octosporus
Schizosaccharomyces japonicus
Rhodotorula glutinis