

# Microbial Identification Databases for Biolog Systems

*Biolog's powerful carbon source utilization technology accurately identifies environmental and pathogenic microorganisms by producing a characteristic pattern or "metabolic fingerprint" from discrete test reactions performed within a 96 well microplate. Culture suspensions are tested with a panel of pre-selected carbon sources and compared against 2700+ identification profiles of environmental and fastidious organisms of interest in diverse fields of microbiology. Five databases are available for a broad spectrum of aerobic and anaerobic bacteria, yeasts and filamentous fungi.*

## GEN III GRAM-NEGATIVE AEROBIC BACTERIA (626 taxa)

Achromobacter cholinophagum	Advenella incenata	Burkholderia caledonica
Achromobacter denitrificans/ruhlantii	Aeromonas allosaccharophila	Burkholderia caribensis/anthina
Achromobacter insolitus	Aeromonas bestiarum	Burkholderia caryophylli
Achromobacter piechaudii	Aeromonas caviae	Burkholderia cenocepacia
Achromobacter ruhlantii/denitrificans	Aeromonas encheleia	Burkholderia cepacia/ambifaria
Achromobacter spanius	Aeromonas enteropelogenes	Burkholderia contaminans
Achromobacter xylosoxidans ss xylosoxidans	Aeromonas eucrenophila	Burkholderia dolosa
Acidovorax avenae ss avenae	Aeromonas hydrophila ss anaerogenes	Burkholderia fungorum
Acidovorax cattleyae	Aeromonas hydrophila ss hydrophila	Burkholderia gladioli
Acidovorax citrulli	Aeromonas ichthiosmia	Burkholderia glathei
Acidovorax delafieldii	Aeromonas jandaei	Burkholderia glumae
Acidovorax facilis (26C)	Aeromonas media	Burkholderia graminis
Acidovorax konjaci	Aeromonas popoffii	Burkholderia kururiensis
Acidovorax temperans	Aeromonas salmonicida ss achromogenes	Burkholderia multivorans
Acinetobacter baumannii/pittii	Aeromonas salmonicida ss masoucida	Burkholderia phenazinium
Acinetobacter baylyi	Aeromonas salmonicida ss pectinolytica	Burkholderia plantarii
Acinetobacter beijerinckii	Aeromonas salmonicida ss salmonicida	Burkholderia pyrrocinia/cepacia
Acinetobacter bereziniae	Aeromonas schubertii	Burkholderia stabilis/cepacia
Acinetobacter bouvetii	Aeromonas sobria	Burkholderia terricola
Acinetobacter calcoaceticus	Aeromonas veronii	Burkholderia vietnamiensis
Acinetobacter calcoaceticus bv anitratus	Aggregatibacter actinomycetemcomitans	Buttiauxella agrestis
Acinetobacter genomospecies 6	Aggregatibacter aphrophilus	Buttiauxella brennerae
Acinetobacter genomospecies 14TU	Aggregatibacter segnis	Buttiauxella ferragutiae
Acinetobacter genomospecies 15TU	Alcaligenes faecalis ss faecalis	Buttiauxella gaviniae
Acinetobacter gernerii	Aliivibrio fischeri (26C)	Buttiauxella izardii
Acinetobacter guillouiae	Alysiella crassa	Buttiauxella noackiae
Acinetobacter gyllenbergii	Alysiella filiformis	Buttiauxella warmboldiae
Acinetobacter haemolyticus	Aminobacter aminovorans	Campylobacter jejuni/coli
Acinetobacter johnsonii	Aquaspirillum putridiconchylum	Capnocytophaga canimorsus
Acinetobacter junii	Avibacterium avium	Capnocytophaga cynodegmi
Acinetobacter lwoffii	Avibacterium gallinarum	Capnocytophaga gingivalis
Acinetobacter nosocomialis	Avibacterium paragallinarum	Capnocytophaga granulosa
Acinetobacter parvus	Avibacterium volantium	Capnocytophaga haemolytica
Acinetobacter pittii/baumannii	Azospirillum brasilense	Capnocytophaga ochracea/sputigena
Acinetobacter radioresistens	Azospirillum lipoferum	Cardiobacterium hominis
Acinetobacter schindlerii	Balneatrix alpica	Castellaniella defragrans
Acinetobacter soli	Basfia succiniciproducens	Castellaniella denitrificans
Acinetobacter tandoii	Bergeriella denitrificans	Castellaniella ginsengisoli
Acinetobacter tjernbergiae	Bergeyella zoohelcum	Cedecea davisae
Acinetobacter townneri	Bibersteinia trehalosi	Cedecea lapagei
Acinetobacter ursingii	Bordetella avium	Cedecea neteri
Acinetobacter venetianus	Bordetella bronchiseptica	Chelonobacter oris
Actinobacillus capsulatus	Bordetella hinzii	Chromobacterium haemolyticum
Actinobacillus equuli ss equuli	Bordetella holmesii	Chromobacterium violaceum
Actinobacillus equuli ss haemolyticus	Bordetella parapertussis	Chryseobacterium balustinum
Actinobacillus hominis	Bordetella petrii	Chryseobacterium bovis
Actinobacillus indolicus	Bordetella trematum	Chryseobacterium caeni
Actinobacillus lignieresii/pleuropneumoniae	Brachymonas denitrificans	Chryseobacterium culicis
Actinobacillus minor	Brackiella oedipodis	Chryseobacterium daecheongense/defluvii
Actinobacillus muris	Brenneria salicis	Chryseobacterium daeguense
Actinobacillus pleuropneumoniae/lignieresii	Brevundimonas alba	Chryseobacterium defluvii/daecheongense
Actinobacillus porcinus	Brevundimonas diminuta	Chryseobacterium formosense
Actinobacillus porcitosillarum	Brevundimonas vancouverensis	Chryseobacterium gambrini
Actinobacillus rossii	Brevundimonas vesicularis	Chryseobacterium gleum
Actinobacillus seminis	Budvicia aquatica	Chryseobacterium gregarium
Actinobacillus succinogenes	Burkholderia ambifaria/cepacia	Chryseobacterium haifense
Actinobacillus suis	Burkholderia andropogonis	
Actinobacillus ureae	Burkholderia anthina/caribensis	

### GEN III GRAM-NEGATIVE AEROBIC BACTERIA

<i>Chryseobacterium hominis</i>	<i>Enterobacter cloacae</i> ss <i>dissolvens</i>	<i>Mannheimia haemolytica</i>
<i>Chryseobacterium humi</i>	<i>Enterobacter cowanii</i>	<i>Mannheimia ruminalis</i>
<i>Chryseobacterium hungaricum</i>	<i>Enterobacter gergoviae</i>	<i>Mannheimia varigena</i>
<i>Chryseobacterium indologenes</i>	<i>Enterobacter helveticus</i>	<i>Massilia aerilata</i>
<i>Chryseobacterium indoltheticum</i>	<i>Enterobacter hormaechei</i>	<i>Massilia albidiflava</i>
<i>Chryseobacterium jejuense</i>	<i>Enterobacter kobei</i>	<i>Massilia aurea</i>
<i>Chryseobacterium joostei</i>	<i>Enterobacter nimipressuralis</i>	<i>Massilia brevitalea</i>
<i>Chryseobacterium luteum</i>	<i>Enterobacter pulveris</i>	<i>Massilia dura</i>
<i>Chryseobacterium molle</i>	<i>Enterobacter turicensis</i>	<i>Massilia lutea</i>
<i>Chryseobacterium oranimense</i>	<i>Erwinia amylovora</i>	<i>Massilia niabensis</i>
<i>Chryseobacterium pallidum</i>	<i>Escherichia albertii</i>	<i>Massilia niastensis</i>
<i>Chryseobacterium palustre</i>	<i>Escherichia coli</i>	<i>Massilia plicata</i>
<i>Chryseobacterium scopthalmum</i>	<i>Escherichia coli</i> inactive	<i>Massilia timonae</i>
<i>Chryseobacterium shigense</i>	<i>Escherichia coli</i> O157:H7	<i>Methylobacterium extorquens</i>
<i>Chryseobacterium soldanellicola</i>	<i>Escherichia fergusonii</i>	<i>Methylobacterium fujisawaense</i>
<i>Chryseobacterium soli</i>	<i>Escherichia hermannii</i>	<i>Methylobacterium radiotolerans</i>
<i>Chryseobacterium taeanense</i>	<i>Escherichia vulneris</i>	<i>Methylobacterium rhodinum</i>
<i>Chryseobacterium taichungense</i>	<i>Ewingella americana</i>	<i>Microvirgula aerodenitrificans</i>
<i>Chryseobacterium ureilyticum</i>	<i>Flavobacterium flevense</i>	<i>Moellerella wisconsensis</i>
<i>Chryseobacterium wanjuense</i>	<i>Flavobacterium hydatis</i> (26C)	<i>Moraxella boevei</i>
<i>Citrobacter amalonaticus</i>	<i>Flavobacterium johnsoniae</i>	<i>Moraxella bovis</i>
<i>Citrobacter braakii</i>	<i>Francisella philomiragia</i> ss <i>philomiragia</i>	<i>Moraxella bovoculi</i>
<i>Citrobacter farmeri</i>	<i>Gallibacterium anatis</i>	<i>Moraxella canis</i>
<i>Citrobacter freundii</i>	<i>Gallibacterium genomospecies 1</i>	<i>Moraxella caprae</i>
<i>Citrobacter gillenii</i>	<i>Grimontia hollisae</i> (26C)	<i>Moraxella catarrhalis</i>
<i>Citrobacter koseri</i>	<i>Haemophilus aegyptius</i>	<i>Moraxella caviae</i>
<i>Citrobacter murlinae</i>	<i>Haemophilus ducreyi</i>	<i>Moraxella cuniculi</i>
<i>Citrobacter rodentium</i>	<i>Haemophilus felis</i>	<i>Moraxella equi</i>
<i>Citrobacter sedlakii</i>	<i>Haemophilus haemoglobinophilus</i>	<i>Moraxella lincolni</i>
<i>Citrobacter werkmanii</i>	<i>Haemophilus haemolyticus</i>	<i>Moraxella nonliquefaciens</i>
<i>Citrobacter youngae</i>	<i>Haemophilus influenzae</i>	<i>Moraxella osloensis</i>
<i>Cloacibacterium normanense</i>	<i>Haemophilus paracuniculus</i>	<i>Moraxella ovis</i>
<i>Collimonas fungivorans</i>	<i>Haemophilus parahaemolyticus</i>	<i>Moraxella pluranimalium</i>
<i>Comamonas aquatica</i>	<i>Haemophilus parainfluenzae</i>	<i>Morganella morganii</i> ss <i>morganii</i>
<i>Comamonas denitrificans</i>	<i>Haemophilus paraphrohaemolyticus</i>	<i>Morganella morganii</i> ss <i>sibonii</i>
<i>Comamonas kerstersii</i>	<i>Haemophilus parasuis</i>	<i>Myroides odoratimimus</i>
<i>Comamonas terrigena</i>	<i>Hafnia alvei</i>	<i>Myroides odoratus</i>
<i>Comamonas testosteronei</i>	<i>Herbaspirillum frisingense</i>	<i>Neisseria animalis</i>
<i>Cosenzaea myxofaciens</i>	<i>Herbaspirillum huttiense</i> ss <i>huttiense</i>	<i>Neisseria animaloris</i>
<i>Cronobacter dublinensis</i> ss <i>dublinensis</i>	<i>Herbaspirillum rubrisubalbicans</i>	<i>Neisseria bacilliformis</i>
<i>Cronobacter dublinensis</i> ss <i>lactaridi</i>	<i>Herbaspirillum seropedicae</i>	<i>Neisseria canis</i>
<i>Cronobacter dublinensis</i> ss <i>lausannensis</i>	<i>Histophilus somni</i>	<i>Neisseria cinerea</i>
<i>Cronobacter malonaticus</i>	<i>Hydrogenophaga palleronii</i> (26C)	<i>Neisseria dentiae</i>
<i>Cronobacter muytjensii</i>	<i>Hydrogenophaga taeniospiralis</i>	<i>Neisseria elongata</i> ss <i>elongata</i>
<i>Cronobacter sakazakii</i>	<i>Inquilinus limosus</i>	<i>Neisseria elongata</i> ss <i>glycolytica</i>
<i>Cronobacter turicensis</i>	<i>Insolitispirillum peregrinum</i> ss <i>integrum</i>	<i>Neisseria elongata</i> ss <i>nitroreducens</i>
<i>Cronobacter universalis</i>	<i>Insolitispirillum peregrinum</i> ss <i>peregrinum</i>	<i>Neisseria flava</i>
<i>Cupriavidus campinensis</i>	<i>Iodobacter fluviatilis</i>	<i>Neisseria flavescens</i>
<i>Cupriavidus gilardii</i>	<i>Janthinobacterium lividum</i> (26C)	<i>Neisseria gonorrhoeae</i>
<i>Cupriavidus necator</i>	<i>Kerstersia gyiorum</i>	<i>Neisseria lactamica</i>
<i>Cupriavidus oxalaticus</i>	<i>Kingella denitrificans</i>	<i>Neisseria meningitidis</i>
<i>Cupriavidus pauculus</i>	<i>Kingella kingae</i>	<i>Neisseria mucosa</i>
<i>Cupriavidus taiwanensis</i>	<i>Kingella oralis</i>	<i>Neisseria perflava</i>
<i>Delftia acidovorans</i>	<i>Klebsiella oxytoca</i>	<i>Neisseria polysaccharea</i>
<i>Delftia tsuruhatensis</i>	<i>Klebsiella pneumoniae</i> ss <i>ozaenae</i>	<i>Neisseria shayegani</i>
<i>Dickeya chrysanthemi</i>	<i>Klebsiella pneumoniae</i> ss <i>pneumoniae</i>	<i>Neisseria sicca</i>
<i>Dysgonomonas capnocytophagoides</i>	<i>Klebsiella pneumoniae</i> ss <i>rhinoscleromatis</i>	<i>Neisseria subflava</i>
<i>Edwardsiella hoshinae</i>	<i>Klebsiella variicola</i>	<i>Neisseria wadsworthii</i>
<i>Edwardsiella ictaluri</i>	<i>Kluyvera ascorbata</i>	<i>Neisseria weaveri</i>
<i>Edwardsiella tarda</i>	<i>Kluyvera cryocrescens</i>	<i>Neisseria zoodegmatidis</i>
<i>Eikenella corrodens</i>	<i>Kluyvera georgiana</i>	<i>Nicoletella semolina</i>
<i>Elizabethkingia meningoseptica</i>	<i>Kluyvera intermedia</i>	<i>Novosphingobium capsulatum</i>
<i>Elizabethkingia miricola</i>	<i>Lampropedia hyalina</i>	<i>Novosphingobium resinovororum</i>
<i>Empedobacter brevis</i>	<i>Lautropia mirabilis</i>	<i>Obesumbacterium proteus</i>
<i>Ensifer meliloti</i>	<i>Leclercia adecarboxylata</i>	<i>Oceanimonas doudoroffii</i>
<i>Enterobacter aerogenes</i> (Kleb. <i>mobilis</i> )	<i>Leminorella grimontii</i>	<i>Ochrobactrum anthropi</i>
<i>Enterobacter amnigenus</i>	<i>Leminorella richardii</i>	<i>Ochrobactrum grignonense</i>
<i>Enterobacter asburiae</i>	<i>Lonepinella koalaram</i>	<i>Ochrobactrum intermedium</i>
<i>Enterobacter cancerogenus</i>	<i>Mannheimia glucosida</i>	<i>Ochrobactrum tritici</i>
<i>Enterobacter cloacae</i> ss <i>cloacae</i>	<i>Mannheimia granulomatis</i>	<i>Oligella ureolytica</i>

### GEN III GRAM-NEGATIVE AEROBIC BACTERIA

<i>Oligella urethralis</i>	<i>Pseudomonas plecoglossicida</i>	<i>Serratia entomophila</i>
<i>Ornithobacterium rhinotracheale</i>	<i>Pseudomonas pseudoalcaligenes</i> ss <i>pseudoalcaligenes</i>	<i>Serratia ficaria</i>
<i>Pandoraea apista</i>	<i>Pseudomonas putida</i>	<i>Serratia fonticola</i>
<i>Pandoraea norimbergensis</i>	<i>Pseudomonas resinovorans</i>	<i>Serratia liquefaciens/grimesii</i>
<i>Pandoraea pnomenusa</i>	<i>Pseudomonas savastanoi</i> pv <i>fraxini</i>	<i>Serratia marcescens</i> ss <i>marcescens</i>
<i>Pandoraea pulmonicola</i>	<i>Pseudomonas savastanoi</i> pv <i>glycinea</i>	<i>Serratia odorifera</i>
<i>Pandoraea sputorum</i>	<i>Pseudomonas savastanoi</i> pv <i>nerii</i>	<i>Serratia plymuthica</i>
<i>Pantoea agglomerans</i>	<i>Pseudomonas savastanoi</i> pv <i>phaseolicola</i>	<i>Serratia proteamaculans</i>
<i>Pantoea cyripedii</i>	<i>Pseudomonas straminea</i>	<i>Serratia rubidaea</i>
<i>Pantoea dispersa</i>	<i>Pseudomonas stutzeri</i>	<i>Shewanella algae</i>
<i>Pantoea eucrina</i>	<i>Pseudomonas synxantha</i>	<i>Shewanella putrefaciens</i>
<i>Paracoccus yeei</i>	<i>Pseudomonas syringae</i> pv <i>aceris</i>	<i>Shigella boydii</i>
<i>Pasteurella aerogenes</i>	<i>Pseudomonas syringae</i> pv <i>antirrhini</i>	<i>Shigella dysenteriae</i>
<i>Pasteurella bettyae</i>	<i>Pseudomonas syringae</i> pv <i>aptata</i>	<i>Shigella flexneri</i>
<i>Pasteurella caballi</i>	<i>Pseudomonas syringae</i> pv <i>atrofaciens</i>	<i>Shigella sonnei</i>
<i>Pasteurella canis/stomatis</i>	<i>Pseudomonas syringae</i> pv <i>delphinii</i>	<i>Shimwellia blattae</i>
<i>Pasteurella dagmatis</i>	<i>Pseudomonas syringae</i> pv <i>helianthi</i>	<i>Shimwellia pseudoproteus</i>
<i>Pasteurella langaaensis</i>	<i>Pseudomonas syringae</i> pv <i>lachrymans</i>	<i>Simonsiella muelleri</i>
<i>Pasteurella lymphangitidis</i>	<i>Pseudomonas syringae</i> pv <i>maculicola</i>	<i>Simplicispira metamorpha</i>
<i>Pasteurella mairii</i>	<i>Pseudomonas syringae</i> pv <i>pisi</i>	<i>Sphingobacterium mizutaii</i>
<i>Pasteurella multocida</i> ss <i>gallicida</i>	<i>Pseudomonas syringae</i> pv <i>porri</i>	<i>Sphingobacterium multivorum</i>
<i>Pasteurella multocida</i> ss <i>multocida</i>	<i>Pseudomonas syringae</i> pv <i>syringae</i>	<i>Sphingobacterium spiritivorum</i>
<i>Pasteurella multocida</i> ss <i>septica</i>	<i>Pseudomonas syringae</i> pv <i>tabaci</i> A	<i>Sphingobacterium thalophilum</i>
<i>Pasteurella oralis</i>	<i>Pseudomonas syringae</i> pv <i>tabaci</i> B	<i>Sphingobium yanoikuyae</i>
<i>Pasteurella pneumotropica</i>	<i>Pseudomonas syringae</i> pv <i>tomato</i>	<i>Sphingomonas adhaesiva</i>
<i>Pasteurella testudinis</i>	<i>Pseudomonas taetrolens</i>	<i>Sphingomonas parapaucimobilis</i>
<i>Pectobacterium atrosepticum</i>	<i>Pseudomonas tolaasii</i>	<i>Sphingomonas paucimobilis</i> A
<i>Pectobacterium betavascularum</i>	<i>Pseudomonas viridiflava</i>	<i>Sphingomonas paucimobilis</i> B
<i>Pectobacterium carotovorum</i> ss <i>carotovorum</i>	<i>Pseudomonas viridilivida</i>	<i>Sphingomonas sanguinis</i>
<i>Pedobacter heparinus</i>	<i>Pseudoxanthomonas broegbernensis</i>	<i>Sphingopyxis macrogoltabida</i>
<i>Photobacterium angustum</i> (26C)	<i>Pseudoxanthomonas daejeonensis</i>	<i>Sphingopyxis terrae</i>
<i>Photobacterium damsela</i> ss <i>damsela</i>	<i>Pseudoxanthomonas dokdonensis</i>	<i>Stenotrophomonas acidaminiphila</i>
<i>Photobacterium damsela</i> ss <i>piscicida</i>	<i>Pseudoxanthomonas japonensis</i>	<i>Stenotrophomonas maltophilia</i>
<i>Photobacterium leiognathi</i>	<i>Pseudoxanthomonas kalamensis</i>	<i>Stenotrophomonas rhizophila</i>
<i>Photobacterium luminescens</i> ss <i>luminescens</i>	<i>Pseudoxanthomonas kaohsiungensis</i>	<i>Suttonella indologenes</i>
<i>Phyllobacterium myrsinacearum</i>	<i>Pseudoxanthomonas mexicana</i>	<i>Tatumella citrea</i>
<i>Plesiomonas shigelloides</i>	<i>Pseudoxanthomonas suwonensis</i>	<i>Tatumella ptyseos</i>
<i>Pragia fontium</i>	<i>Pseudoxanthomonas yeongjuensis</i>	<i>Tatumella punctata</i>
<i>Proteus hauseri</i>	<i>Psychrobacter immobilis</i>	<i>Tatumella terrea</i>
<i>Proteus mirabilis</i>	<i>Psychrobacter phenylpyruvicus</i>	<i>Taylorella equigenitalis</i>
<i>Proteus penneri</i>	<i>Rahnella aquatilis</i>	<i>Terrimonas ferruginea</i>
<i>Proteus vulgaris</i>	<i>Ralstonia insidiosa</i>	<i>Trabulsiella guamensis</i>
<i>Providencia alcalifaciens</i>	<i>Ralstonia mannitolilytica</i>	<i>Variovorax paradoxus</i>
<i>Providencia heimbachae</i>	<i>Ralstonia pickettii</i>	<i>Vibrio aestuarianus</i>
<i>Providencia rettgeri</i>	<i>Ralstonia solanacearum</i>	<i>Vibrio alginolyticus</i>
<i>Providencia rustigianii</i>	<i>Raoultella planticola/ornithinolytica</i>	<i>Vibrio anguillarum</i>
<i>Providencia stuartii</i>	<i>Raoultella terrigena</i>	<i>Vibrio campbellii</i>
<i>Pseudomonas aeruginosa</i>	<i>Rhizobium radiobacter</i>	<i>Vibrio cholerae</i>
<i>Pseudomonas agarici</i>	<i>Rhizobium vitis</i> (bv 3)	<i>Vibrio cholerae</i> non O1
<i>Pseudomonas alcaligenes</i>	<i>Riemerella anatipestifer</i>	<i>Vibrio cholerae</i> O1
<i>Pseudomonas anguilliseptica</i> (26C)	<i>Riemerella columbina</i>	<i>Vibrio cholerae</i> O1/O139
<i>Pseudomonas asplenii</i>	<i>Roseomonas cervicalis</i>	<i>Vibrio cincinnatiensis</i>
<i>Pseudomonas caricapapayae</i>	<i>Roseomonas gilardii</i> ss <i>gilardii</i>	<i>Vibrio diazotrophicus</i>
<i>Pseudomonas chlororaphis</i> ss <i>aurantiaca</i>	<i>Salinicola salarius</i>	<i>Vibrio fluvialis</i>
<i>Pseudomonas cichorii</i>	<i>Salmonella bongori</i>	<i>Vibrio furnissii</i>
<i>Pseudomonas citronellolis</i>	<i>Salmonella enterica</i> (gp3A) ss <i>arizonae</i>	<i>Vibrio harveyi</i>
<i>Pseudomonas corrugata</i>	<i>Salmonella enterica</i> ss <i>diarizonae</i>	<i>Vibrio ichthyoenteri</i> (26C)
<i>Pseudomonas fluorescens</i>	<i>Salmonella enterica</i> ss <i>enterica</i>	<i>Vibrio metschnikovii</i>
<i>Pseudomonas fragi</i>	<i>Salmonella enterica</i> ss <i>houtenae</i>	<i>Vibrio mimicus</i>
<i>Pseudomonas fulva</i>	<i>Salmonella enterica</i> ss <i>indica</i>	<i>Vibrio natriegens</i>
<i>Pseudomonas fuscovaginae</i>	<i>Salmonella enterica</i> ss <i>salamae</i>	<i>Vibrio ordalii</i> (26C)
<i>Pseudomonas lundensis</i>	<i>Salmonella enterica</i> ST <i>gallinarum</i>	<i>Vibrio parahaemolyticus</i>
<i>Pseudomonas luteola</i>	<i>Salmonella enterica</i> ST <i>paratyphi</i> A	<i>Vibrio pelagius</i>
<i>Pseudomonas marginalis</i>	<i>Salmonella enterica</i> ST <i>paratyphi</i> B	<i>Vibrio proteolyticus</i>
<i>Pseudomonas mendocina</i>	<i>Salmonella enterica</i> ST <i>paratyphi</i> C	<i>Vibrio splendidus</i> (26C)
<i>Pseudomonas mucidolens</i>	<i>Salmonella enterica</i> ST <i>pullorum</i>	<i>Vibrio tubiashii</i>
<i>Pseudomonas nitroreducens</i>	<i>Salmonella enterica</i> ST <i>typhi</i>	<i>Vibrio vulnificus</i>
<i>Pseudomonas oleovorans</i> ss <i>oleovorans</i>	<i>Salmonella enterica</i> ST <i>typhimurium</i>	<i>Vogesella indigofera</i>
<i>Pseudomonas oryzihabitans</i>	<i>Salmonella subterranea</i>	<i>Volucribacter amazonae</i>
<i>Pseudomonas pertucinogena</i>	<i>Serpens flexibilis</i>	<i>Volucribacter psittacidia</i>

### GEN III GRAM-NEGATIVE AEROBIC BACTERIA

Weeksella virosa  
Xanthomonas arboricola pv juglandis  
Xanthomonas axonopodis pv begoniae A  
Xanthomonas axonopodis pv begoniae B  
Xanthomonas axonopodis pv dieffenbachiae  
Xanthomonas axonopodis pv glycines  
Xanthomonas axonopodis pv malvacearum  
Xanthomonas axonopodis pv phaseoli  
Xanthomonas axonopodis pv poinsettiicola  
Xanthomonas campestris pv campestris  
Xanthomonas campestris pv raphani  
Xanthomonas campestris pv turf  
Xanthomonas campestris pv uticae  
Xanthomonas campestris pv vesicatoria  
Xanthomonas hortorum pv carotae  
Xanthomonas hortorum pv pelargonii  
Xanthomonas translucens pv translucens  
Xenorhabdus bovienii  
Xenorhabdus nematophila  
Yersinia aldovae  
Yersinia aleksiciae  
Yersinia bercovieri  
Yersinia enterocolitica ss enterocolitica  
Yersinia enterocolitica ss palearctica  
Yersinia frederiksenii  
Yersinia intermedia  
Yersinia kristensenii  
Yersinia massiliensis  
Yersinia mollaretii  
Yersinia pseudotuberculosis  
Yersinia rohdei  
Yersinia ruckeri  
Yersinia similis  
Yokenella regensburgi

### GEN III GRAM-POSITIVE AEROBIC BACTERIA

(762 taxa)

Actinomyces bovis  
Actinomyces canis  
Actinomyces hordeovulneris  
Actinomyces hyovaginalis  
Actinomyces naeslundii  
Actinomyces neuui ss anitratus  
Actinomyces neuui ss neuui  
Actinomyces odontolyticus  
Aerococcus christensenii  
Aerococcus sanguinicola  
Aerococcus suis  
Aerococcus urinae  
Aerococcus urinaeequi  
Aerococcus urinaehominis  
Aerococcus viridans  
Alloiococcus otitis  
Aneurinibacillus aneurinilyticus  
Aneurinibacillus danicus  
Aneurinibacillus migulanus  
Arcanobacterium haemolyticum  
Arcanobacterium hippocoleae  
Arcanobacterium phocae  
Arcanobacterium pluranimalium  
Arthrobacter cummingsii  
Arthrobacter globiformis  
Arthrobacter histidinolorans  
Arthrobacter ilicis  
Arthrobacter nicotianae  
Arthrobacter oxydans  
Arthrobacter woluwensis  
Bacillus acidicer  
Bacillus acidicola

Bacillus agaradhaerens  
Bacillus amyloliquefaciens ss amyloliquefaciens  
Bacillus aquimaris  
Bacillus arsenicus  
Bacillus atrophaeus/subtilis  
Bacillus azotoformans  
Bacillus badius  
Bacillus bataviensis  
Bacillus butanolivorans/simplex  
Bacillus carboniphilus  
Bacillus cecembensis  
Bacillus cereus/thuringiensis  
Bacillus cibi  
Bacillus circulans  
Bacillus clausii  
Bacillus coagulans  
Bacillus cohnii  
Bacillus decisifrondis  
Bacillus decolorationis  
Bacillus drentensis  
Bacillus endophyticus  
Bacillus farraginis  
Bacillus fastidiosus  
Bacillus firmus  
Bacillus flexus  
Bacillus foraminis  
Bacillus fordii  
Bacillus fortis  
Bacillus funiculans  
Bacillus galactosidilyticus  
Bacillus gibsonii/murimartini  
Bacillus ginsengihumi  
Bacillus halmapalus  
Bacillus halodurans  
Bacillus horikoshii  
Bacillus humi  
Bacillus hwajinpoensis  
Bacillus idriensis  
Bacillus indicus  
Bacillus infantis  
Bacillus jeotgali/selenatarsenatis  
Bacillus kribbensis  
Bacillus krulwichiae  
Bacillus lehensis  
Bacillus lentus (26C)  
Bacillus licheniformis  
Bacillus litoralis  
Bacillus luciferensis  
Bacillus macauensis  
Bacillus marisflavi  
Bacillus megaterium  
Bacillus mojavensis/subtilis  
Bacillus muralis  
Bacillus murimartini/gibsonii  
Bacillus mycoides/cereus  
Bacillus nealsonii  
Bacillus niabensis  
Bacillus niacini  
Bacillus novalis  
Bacillus okuhidensis  
Bacillus oleronius  
Bacillus oshimensis  
Bacillus panaciterrae  
Bacillus patagoniensis  
Bacillus plakortidis  
Bacillus pseudomycoides/cereus  
Bacillus psychrosaccharolyticus (26C)  
Bacillus pumilus/safensis  
Bacillus ruris  
Bacillus safensis/pumilus

Bacillus selenatarsenatis/jeotgali  
Bacillus seohaeanensis  
Bacillus shackletonii  
Bacillus simplex/butanolivorans  
Bacillus siralis  
Bacillus soli  
Bacillus sonorensis  
Bacillus sporothermodurans  
Bacillus subterraneus  
Bacillus subtilis ss spizizenii  
Bacillus subtilis ss subtilis  
Bacillus taeanensis  
Bacillus thuringiensis/cereus  
Bacillus vallismortis/subtilis  
Bacillus vietnamensis  
Bacillus vireti  
Bacillus weihenstephanensis/cereus  
Bhargavaea beijingensis  
Bhargavaea ginsengi  
Brachybacterium alimentarium  
Brachybacterium conglomeratum  
Brachybacterium faecium  
Brachybacterium fresconis (26C)  
Brachybacterium muris  
Brachybacterium nesterenkovi  
Brachybacterium paraconglomeratum  
Brachybacterium phenoliresistens  
Brachybacterium rhamnosum  
Brachybacterium sacelli (26C)  
Brachybacterium tyrofermentans  
Brachybacterium zhongshanense  
Brevibacillus agri  
Brevibacillus borstelensis  
Brevibacillus brevis  
Brevibacillus formosus  
Brevibacillus invocatus  
Brevibacillus laterosporus  
Brevibacillus panacihumi  
Brevibacillus parabrevis  
Brevibacillus reuseri  
Brevibacterium casei  
Brevibacterium epidermidis  
Brevibacterium linens  
Brevibacterium mcbrellneri  
Brevibacterium otitidis  
Brevibacterium paucivorans  
Brevibacterium sanguinis  
Brochothrix campestris  
Brochothrix thermosphacta  
Carnobacterium alterfunditum (26C)  
Carnobacterium divergens  
Carnobacterium gallinarum  
Carnobacterium inhibens  
Carnobacterium maltaromaticum  
Carnobacterium mobile  
Cellulomonas biazotea  
Cellulomonas cellasea  
Cellulomonas denverensis  
Cellulomonas fimi  
Cellulomonas flavigena  
Cellulomonas gelida  
Cellulomonas hominis  
Cellulomonas uda  
Cellulosimicrobium cellulans  
Clavibacter michiganensis ss insidiosus  
Clavibacter michiganensis ss michiganensis  
Clavibacter michiganensis ss nebraskensis  
Clavibacter michiganensis ss sepedonicus  
Clavibacter michiganensis ss tessellarius  
Corynebacterium accolens

### GEN III GRAM-POSITIVE AEROBIC BACTERIA

<i>Corynebacterium afermentans</i> ss <i>afermentans</i>	<i>Dolosigranulum</i> <i>pigrum</i>	<i>Kocuria</i> <i>kristinae</i>
<i>Corynebacterium afermentans</i> ss <i>lipophilum</i>	<i>Enterococcus</i> <i>asini</i>	<i>Kocuria</i> <i>palustris</i>
<i>Corynebacterium ammoniagenes</i>	<i>Enterococcus</i> <i>avium</i>	<i>Kocuria</i> <i>rhizophila</i>
<i>Corynebacterium amycolatum</i>	<i>Enterococcus</i> <i>canintestini</i>	<i>Kocuria</i> <i>rosea</i>
<i>Corynebacterium appendicis</i>	<i>Enterococcus</i> <i>casseliflavus</i>	<i>Kocuria</i> <i>varians</i>
<i>Corynebacterium argenteratense</i>	<i>Enterococcus</i> <i>cecorum</i>	<i>Kurthia</i> <i>gibsonii</i>
<i>Corynebacterium aurimucosum</i>	<i>Enterococcus</i> <i>columbae</i>	<i>Kurthia</i> <i>sibirica</i>
<i>Corynebacterium auris</i>	<i>Enterococcus</i> <i>devriesei</i>	<i>Kurthia</i> <i>zopfii</i>
<i>Corynebacterium auriscanis</i>	<i>Enterococcus</i> <i>dispar</i>	<i>Kytococcus</i> <i>aerolatus</i>
<i>Corynebacterium bovis</i>	<i>Enterococcus</i> <i>durans</i>	<i>Kytococcus</i> <i>schroeteri</i>
<i>Corynebacterium callunae</i>	<i>Enterococcus</i> <i>faecalis</i>	<i>Kytococcus</i> <i>sedentarius</i>
<i>Corynebacterium camporealensis</i>	<i>Enterococcus</i> <i>faecium</i>	<i>Lactobacillus</i> <i>acidophilus</i>
<i>Corynebacterium canis</i>	<i>Enterococcus</i> <i>gallinarum</i>	<i>Lactobacillus</i> <i>alimentarius</i>
<i>Corynebacterium capitolis</i>	<i>Enterococcus</i> <i>gilvus</i>	<i>Lactobacillus</i> <i>amylovorans</i>
<i>Corynebacterium confusum</i>	<i>Enterococcus</i> <i>haemoperoxidus</i>	<i>Lactobacillus</i> <i>animalis</i>
<i>Corynebacterium coyleae</i>	<i>Enterococcus</i> <i>hirae</i>	<i>Lactobacillus</i> <i>aviarius</i> ss <i>araffinosus</i>
<i>Corynebacterium cystitidis</i>	<i>Enterococcus</i> <i>malodoratus</i>	<i>Lactobacillus</i> <i>bif fermentans</i>
<i>Corynebacterium diphtheriae</i>	<i>Enterococcus</i> <i>mundtii</i>	<i>Lactobacillus</i> <i>brevis</i>
<i>Corynebacterium durum</i>	<i>Enterococcus</i> <i>pallens</i>	<i>Lactobacillus</i> <i>buchneri</i>
<i>Corynebacterium efficiens</i>	<i>Enterococcus</i> <i>pseudoavium</i>	<i>Lactobacillus</i> <i>casei</i>
<i>Corynebacterium falsenii</i>	<i>Enterococcus</i> <i>raffinosis</i>	<i>Lactobacillus</i> <i>coryniformis</i> ss <i>coryniformis</i>
<i>Corynebacterium felinum</i>	<i>Enterococcus</i> <i>ratti</i>	<i>Lactobacillus</i> <i>coryniformis</i> ss <i>torquens</i>
<i>Corynebacterium flavescens</i>	<i>Enterococcus</i> <i>saccharolyticus</i>	<i>Lactobacillus</i> <i>crispatus</i>
<i>Corynebacterium freneyi</i>	<i>Enterococcus</i> <i>sulfureus</i>	<i>Lactobacillus</i> <i>curvatus</i>
<i>Corynebacterium glucuronolyticum</i>	<i>Enterococcus</i> <i>villorum</i>	<i>Lactobacillus</i> <i>delbrueckii</i> ss <i>delbrueckii</i>
<i>Corynebacterium glutamicum</i>	<i>Eremococcus</i> <i>coleocola</i>	<i>Lactobacillus</i> <i>delbrueckii</i> ss <i>lactis</i>
<i>Corynebacterium hansenii</i>	<i>Erysipelothrix</i> <i>rhusiopathiae/tonsillarum</i>	<i>Lactobacillus</i> <i>farciminis</i>
<i>Corynebacterium imitans</i>	<i>Exiguobacterium</i> <i>acetylicum</i>	<i>Lactobacillus</i> <i>fermentum</i>
<i>Corynebacterium jeikeium</i>	<i>Exiguobacterium</i> <i>aurantiacum</i>	<i>Lactobacillus</i> <i>fructivorans</i>
<i>Corynebacterium kroppenstedtii</i>	<i>Exiguobacterium</i> <i>undae</i>	<i>Lactobacillus</i> <i>gasseri</i>
<i>Corynebacterium kutscheri</i>	<i>Facklamia</i> <i>hominis</i>	<i>Lactobacillus</i> <i>helveticus</i>
<i>Corynebacterium lipophiloflavum</i>	<i>Facklamia</i> <i>ignava</i>	<i>Lactobacillus</i> <i>jensenii</i>
<i>Corynebacterium macginleyi</i>	<i>Facklamia</i> <i>sourekii</i>	<i>Lactobacillus</i> <i>mali</i>
<i>Corynebacterium mastitidis</i>	<i>Gardnerella</i> <i>vaginalis</i>	<i>Lactobacillus</i> <i>murinus</i>
<i>Corynebacterium matruchotii</i>	<i>Gemella</i> <i>bergeri</i>	<i>Lactobacillus</i> <i>oris</i>
<i>Corynebacterium minutissimum</i>	<i>Gemella</i> <i>cuniculi</i>	<i>Lactobacillus</i> <i>parabuchneri</i>
<i>Corynebacterium mucifaciens</i>	<i>Gemella</i> <i>haemolysans</i>	<i>Lactobacillus</i> <i>paracasei</i> ss <i>paracasei</i>
<i>Corynebacterium mycetoides</i>	<i>Gemella</i> <i>morbilorum</i>	<i>Lactobacillus</i> <i>paracasei</i> ss <i>tolerans</i>
<i>Corynebacterium phocae</i>	<i>Gemella</i> <i>palaticanis</i>	<i>Lactobacillus</i> <i>pentosus</i>
<i>Corynebacterium pilosum</i>	<i>Gemella</i> <i>sanguinis</i>	<i>Lactobacillus</i> <i>plantarum</i>
<i>Corynebacterium pseudodiphtheriticum/propinquum</i>	<i>Geobacillus</i> <i>stearothermophilus</i> (45-55C)	<i>Lactobacillus</i> <i>reuteri</i>
<i>Corynebacterium pseudotuberculosis</i>	<i>Globicatella</i> <i>sanguinis</i>	<i>Lactobacillus</i> <i>rhamnosus</i>
<i>Corynebacterium renale</i>	<i>Gordonia</i> <i>aichiensis</i>	<i>Lactobacillus</i> <i>sakei</i> ss <i>sakei</i>
<i>Corynebacterium riegelii</i>	<i>Gordonia</i> <i>alkanivorans</i>	<i>Lactobacillus</i> <i>salivarius</i>
<i>Corynebacterium simulans</i>	<i>Gordonia</i> <i>amicalis</i>	<i>Lactobacillus</i> <i>vaginalis</i>
<i>Corynebacterium singulare</i>	<i>Gordonia</i> <i>bronchialis</i>	<i>Lactococcus</i> <i>garvieae</i>
<i>Corynebacterium spheniscorum</i>	<i>Gordonia</i> <i>desulfuricans</i>	<i>Lactococcus</i> <i>lactis</i> ss <i>cremoris</i>
<i>Corynebacterium striatum</i>	<i>Gordonia</i> <i>effusa</i>	<i>Lactococcus</i> <i>lactis</i> ss <i>hordniae</i>
<i>Corynebacterium terpenotabidum</i>	<i>Gordonia</i> <i>hirsuta</i>	<i>Lactococcus</i> <i>lactis</i> ss <i>lactis</i>
<i>Corynebacterium testudinoris</i>	<i>Gordonia</i> <i>namibiensis</i>	<i>Lactococcus</i> <i>plantarum</i>
<i>Corynebacterium thomssenii</i>	<i>Gordonia</i> <i>otitidis</i>	<i>Lactococcus</i> <i>raffinolactis</i>
<i>Corynebacterium tuberculostearicum</i>	<i>Gordonia</i> <i>polyisoprenivorans</i>	<i>Leifsonia</i> <i>aquatica</i>
<i>Corynebacterium ulcerans</i>	<i>Gordonia</i> <i>rhizosphaera</i>	<i>Leifsonia</i> <i>poae</i>
<i>Corynebacterium urealyticum</i>	<i>Gordonia</i> <i>rubripertincta</i>	<i>Leuconostoc</i> <i>carnosum</i> (26C)
<i>Corynebacterium variabile</i>	<i>Gordonia</i> <i>shandongensis</i>	<i>Leuconostoc</i> <i>citreum</i>
<i>Corynebacterium vitaeruminis</i>	<i>Gordonia</i> <i>sputi</i>	<i>Leuconostoc</i> <i>fallax</i>
<i>Corynebacterium xerosis</i>	<i>Gordonia</i> <i>terrae</i>	<i>Leuconostoc</i> <i>gelidum</i> (26C)
<i>Curtobacterium albidum</i>	<i>Gracilibacillus</i> <i>boraciiolerans</i>	<i>Leuconostoc</i> <i>lactis</i>
<i>Curtobacterium citreum</i>	<i>Gracilibacillus</i> <i>dipsosauri</i>	<i>Leuconostoc</i> <i>mesenteroides</i> ss <i>cremoris</i>
<i>Curtobacterium flaccumfaciens</i>	<i>Gracilibacillus</i> <i>lacsalsi</i>	<i>Leuconostoc</i> <i>mesenteroides</i> ss <i>dextranicum</i>
<i>Curtobacterium luteum</i>	<i>Gracilibacillus</i> <i>saliphilus</i>	<i>Leuconostoc</i> <i>mesenteroides</i> ss <i>mesenteroides</i>
<i>Curtobacterium pusillum</i>	<i>Granulicatella</i> <i>adiacens</i>	<i>Leuconostoc</i> <i>pseudomesenteroides</i>
<i>Deinococcus proteolyticus</i>	<i>Granulicatella</i> <i>elegans</i>	<i>Listeria</i> <i>grayi</i>
<i>Deinococcus radiodurans</i>	<i>Helcococcus</i> <i>kunzii</i>	<i>Listeria</i> <i>innocua/welshimeri/seeligeri</i>
<i>Deinococcus radiophilus</i>	<i>Helcococcus</i> <i>ovis/sueciensis</i>	<i>Listeria</i> <i>ivanovii</i> ss <i>ivanovii</i>
<i>Deinococcus radiopugnans</i>	<i>Helcococcus</i> <i>sueciensis/ovis</i>	<i>Listeria</i> <i>ivanovii</i> ss <i>londoniensis</i>
<i>Dermabacter hominis</i>	<i>Ignavigranum</i> <i>ruoffiae</i>	<i>Listeria</i> <i>monocytogenes</i>
<i>Dermacoccus nishinomiyaensis</i>	<i>Janibacter</i> <i>anophelis/hoylei</i>	<i>Listeria</i> <i>rocourtiae</i>
<i>Dietzia maris</i>	<i>Janibacter</i> <i>hoylei/anophelis</i>	<i>Listeria</i> <i>seeligeri/welshimeri/innocua</i>
<i>Dolosicoccus paucivorans</i>	<i>Jonesia</i> <i>denitrificans</i>	<i>Listeria</i> <i>welshimeri/innocua/seeligeri</i>

### GEN III GRAM-POSITIVE AEROBIC BACTERIA

<i>Lysinibacillus boronitolerans</i>	<i>Nocardia asteroides</i>	<i>Paenibacillus chibensis</i>
<i>Lysinibacillus fusiformis</i>	<i>Nocardia beijingensis</i>	<i>Paenibacillus chinjuensis</i>
<i>Lysinibacillus odysseyi</i>	<i>Nocardia brasiliensis</i>	<i>Paenibacillus chondroitinus</i>
<i>Lysinibacillus sphaericus</i>	<i>Nocardia brevicatena</i>	<i>Paenibacillus cineris/favisporus/rhizosphaerae</i>
<i>Macrococcus bovicus</i>	<i>Nocardia caishijiensis</i>	<i>Paenibacillus cookii</i>
<i>Macrococcus brunensis</i>	<i>Nocardia carnea</i>	<i>Paenibacillus curdolanolyticus</i>
<i>Macrococcus carouzelicus</i>	<i>Nocardia cerradoensis/kruczakiae</i>	<i>Paenibacillus daejeonensis</i>
<i>Macrococcus caseolyticus</i>	<i>Nocardia concava</i>	<i>Paenibacillus durus</i>
<i>Macrococcus equipercicus</i>	<i>Nocardia coubleae/ignorata</i>	<i>Paenibacillus ehimensis</i>
<i>Microbacterium arborescens</i>	<i>Nocardia cyriacigeorgica</i>	<i>Paenibacillus elgii</i>
<i>Microbacterium barkeri</i>	<i>Nocardia elegans</i>	<i>Paenibacillus favisporus/rhizosphaerae/cineris</i>
<i>Microbacterium dextranolyticum</i>	<i>Nocardia exalbida</i>	<i>Paenibacillus fonticola</i>
<i>Microbacterium esteraromaticum</i>	<i>Nocardia farcinica</i>	<i>Paenibacillus forsythiae</i>
<i>Microbacterium flavescens</i>	<i>Nocardia flavorosea</i>	<i>Paenibacillus ginsengarvi</i>
<i>Microbacterium imperiale</i>	<i>Nocardia fluminea</i>	<i>Paenibacillus ginsengihumi</i>
<i>Microbacterium lacticum</i>	<i>Nocardia gamkensis</i>	<i>Paenibacillus glucanolyticus</i>
<i>Microbacterium laevaniformans</i>	<i>Nocardia higoensis/shimofusensis</i>	<i>Paenibacillus glycanilyticus</i>
<i>Microbacterium liquefaciens</i>	<i>Nocardia ignorata/coupleae</i>	<i>Paenibacillus graminis</i>
<i>Microbacterium maritipicum</i>	<i>Nocardia inohanensis</i>	<i>Paenibacillus harenae</i>
<i>Microbacterium resistens</i>	<i>Nocardia jejuensis</i>	<i>Paenibacillus hodogayensis</i>
<i>Microbacterium saperdae</i>	<i>Nocardia jiangxiensis</i>	<i>Paenibacillus humicus</i>
<i>Microbacterium species (CDC A-4/CDC A-5)</i>	<i>Nocardia kruczkiae/cerradoensis</i>	<i>Paenibacillus illinoisensis</i>
<i>Microbacterium species (CDC A-5/CDC A-4)</i>	<i>Nocardia lijiangensis</i>	<i>Paenibacillus lactis</i>
<i>Microbacterium testaceum</i>	<i>Nocardia mexicana</i>	<i>Paenibacillus larvae ss larvae</i>
<i>Micrococcus endophyticus</i>	<i>Nocardia miyunensis</i>	<i>Paenibacillus larvae ss pulvifaciens</i>
<i>Micrococcus flavus</i>	<i>Nocardia neocaledoniensis</i>	<i>Paenibacillus lautus</i>
<i>Micrococcus luteus A</i>	<i>Nocardia niigatensis</i>	<i>Paenibacillus macerans</i>
<i>Micrococcus luteus B</i>	<i>Nocardia ninae</i>	<i>Paenibacillus massiliensis</i>
<i>Micrococcus luteus C</i>	<i>Nocardia nova</i>	<i>Paenibacillus mendelii</i>
<i>Micrococcus luteus D</i>	<i>Nocardia otitidiscaviarum</i>	<i>Paenibacillus motobuensis</i>
<i>Micrococcus luteus E</i>	<i>Nocardia paucivorans</i>	<i>Paenibacillus naphthalenovorans</i>
<i>Micrococcus lylae A</i>	<i>Nocardia pneumoniae</i>	<i>Paenibacillus nematophilus</i>
<i>Micrococcus lylae B</i>	<i>Nocardia polyresistens</i>	<i>Paenibacillus odorifer</i>
<i>Micrococcus lylae C</i>	<i>Nocardia pseudobrasiliensis</i>	<i>Paenibacillus pabuli/taichungensis</i>
<i>Micrococcus yunnanensis</i>	<i>Nocardia pseudovaccinii</i>	<i>Paenibacillus panacisoli</i>
<i>Mycobacterium abscessus ss abscessus</i>	<i>Nocardia puris</i>	<i>Paenibacillus pasadenensis</i>
<i>Mycobacterium aichiense/novocastrense</i>	<i>Nocardia salmonicida</i>	<i>Paenibacillus peoriae</i>
<i>Mycobacterium alvei</i>	<i>Nocardia serialae</i>	<i>Paenibacillus polymyxa</i>
<i>Mycobacterium aurum</i>	<i>Nocardia shimofusensis/higoensis</i>	<i>Paenibacillus popilliae</i>
<i>Mycobacterium brumae</i>	<i>Nocardia sienata</i>	<i>Paenibacillus provencensis</i>
<i>Mycobacterium chelonae ss chelonae</i>	<i>Nocardia soli</i>	<i>Paenibacillus rhizosphaerae/cineris/favisporus</i>
<i>Mycobacterium chubuense</i>	<i>Nocardia takedensis</i>	<i>Paenibacillus sabiniae</i>
<i>Mycobacterium confluentis</i>	<i>Nocardia tenerifensis</i>	<i>Paenibacillus sanguinis</i>
<i>Mycobacterium flavescens</i>	<i>Nocardia testacea</i>	<i>Paenibacillus soli</i>
<i>Mycobacterium fortuitum ss fortuitum</i>	<i>Nocardia thailandica</i>	<i>Paenibacillus stellifer</i>
<i>Mycobacterium gadium</i>	<i>Nocardia transvalensis</i>	<i>Paenibacillus taichungensis/pabuli</i>
<i>Mycobacterium hassiacum</i>	<i>Nocardia uniformis</i>	<i>Paenibacillus tarimensis</i>
<i>Mycobacterium mageritense</i>	<i>Nocardia vermiculata</i>	<i>Paenibacillus terrae</i>
<i>Mycobacterium marinum</i>	<i>Nocardia veterana</i>	<i>Paenibacillus terrigena</i>
<i>Mycobacterium mucogenicum</i>	<i>Nocardia vinacea</i>	<i>Paenibacillus thiaminolyticus</i>
<i>Mycobacterium neoaurum</i>	<i>Nocardia xishanensis</i>	<i>Paenibacillus timonensis</i>
<i>Mycobacterium novocastrense/aichiense</i>	<i>Nocardia yamanashiensis</i>	<i>Paenibacillus tundrae</i>
<i>Mycobacterium phlei</i>	<i>Oerskovia enterophila</i>	<i>Paenibacillus turicensis</i>
<i>Mycobacterium senegalense</i>	<i>Oerskovia turbata</i>	<i>Paenibacillus validus</i>
<i>Mycobacterium septicum</i>	<i>Paenibacillus agarexedens</i>	<i>Paenibacillus woosongensis</i>
<i>Mycobacterium setense</i>	<i>Paenibacillus agaridevorans</i>	<i>Paenibacillus wynnii</i>
<i>Mycobacterium smegmatis</i>	<i>Paenibacillus alkaliterrae</i>	<i>Paenibacillus xinjiangensis</i>
<i>Mycobacterium vaccae</i>	<i>Paenibacillus alvei</i>	<i>Paenibacillus xylanexedens</i>
<i>Nesterenkonia sandarakina</i>	<i>Paenibacillus amylolyticus</i>	<i>Paenibacillus xylanilyticus</i>
<i>Nocardia abscessus</i>	<i>Paenibacillus anaericanus</i>	<i>Paenibacillus zanthoxyli</i>
<i>Nocardia acidivorans</i>	<i>Paenibacillus apiarius</i>	<i>Pediococcus acidilactici</i>
<i>Nocardia africana</i>	<i>Paenibacillus assamensis</i>	<i>Pediococcus pentosaceus</i>
<i>Nocardia alba</i>	<i>Paenibacillus azoreducens</i>	<i>Psychrobacillus psychrotolerans</i>
<i>Nocardia altamirensis</i>	<i>Paenibacillus barcinonensis</i>	<i>Rathayibacter rathayi (26C)</i>
<i>Nocardia amamiensis</i>	<i>Paenibacillus barengoltzii</i>	<i>Rathayibacter tritici (26C)</i>
<i>Nocardia anaemiae</i>	<i>Paenibacillus borealis</i>	<i>Renibacterium salmoninarum (26C)</i>
<i>Nocardia aobensis</i>	<i>Paenibacillus brasiliensis</i>	<i>Rhodococcus australis</i>
<i>Nocardia araoensis</i>	<i>Paenibacillus campinasensis</i>	<i>Rhodococcus coprophilus</i>
<i>Nocardia arthritis</i>	<i>Paenibacillus castaneae</i>	<i>Rhodococcus corynebacterioides</i>
<i>Nocardia asiatica</i>	<i>Paenibacillus cellulosityticus</i>	<i>Rhodococcus equi (Nocardia restricta)</i>

### GEN III GRAM-POSITIVE AEROBIC BACTERIA

Rhodococcus erythropolis  
Rhodococcus fascians  
Rhodococcus globerulus  
Rhodococcus pyridinivorans  
Rhodococcus rhodnii  
Rhodococcus rhodochrous  
Rhodococcus ruber  
Rhodococcus wratislaviensis  
Rothia amarae  
Rothia dentocariosa  
Rothia mucilaginoso  
Rothia nasimurium  
Rummeliibacillus pycnus  
Sanguibacter inulinus  
Sanguibacter keddiei  
Sanguibacter suarezi  
Sinomonas atrocyanea  
Solibacillus silvestris  
Sporolactobacillus kofuensis  
Sporolactobacillus laevolacticus  
Sporolactobacillus nakayamae ss nakayamae  
Sporolactobacillus nakayamae ss racemicus  
Sporolactobacillus terrae  
Sporosarcina aquimarina  
Sporosarcina globispora (26C)  
Sporosarcina koreensis  
Sporosarcina soli  
Sporosarcina ureae  
Staphylococcus arletae  
Staphylococcus aureus ss aureus  
Staphylococcus auricularis  
Staphylococcus capitis ss capitis  
Staphylococcus capitis ss urealyticus  
Staphylococcus caprae  
Staphylococcus carnosus ss carnosus  
Staphylococcus carnosus ss utilis  
Staphylococcus chromogenes  
Staphylococcus cohnii ss cohnii  
Staphylococcus cohnii ss urealyticus  
Staphylococcus condimenti  
Staphylococcus delphini  
Staphylococcus epidermidis  
Staphylococcus equorum ss equorum  
Staphylococcus felis  
Staphylococcus fleuretii  
Staphylococcus gallinarum  
Staphylococcus haemolyticus  
Staphylococcus hominis ss hominis  
Staphylococcus hominis ss novobiosepticus  
Staphylococcus hyicus  
Staphylococcus intermedius  
Staphylococcus kloosii  
Staphylococcus lentus  
Staphylococcus lugdunensis  
Staphylococcus lutrae  
Staphylococcus muscae  
Staphylococcus pasteurii  
Staphylococcus piscifermentans  
Staphylococcus pseudintermedius  
Staphylococcus saprophyticus ss bovis  
Staphylococcus saprophyticus ss saprophyticus  
Staphylococcus schleiferi ss coagulans  
Staphylococcus schleiferi ss schleiferi  
Staphylococcus sciuri ss carnaticus  
Staphylococcus sciuri ss rodentium  
Staphylococcus sciuri ss sciuri  
Staphylococcus simulans  
Staphylococcus succinus ss succinus  
Staphylococcus vitulinus  
Staphylococcus warneri

Staphylococcus xyloso  
Streptococcus acidominimus  
Streptococcus agalactiae (gp B)  
Streptococcus alactolyticus  
Streptococcus anginosus  
Streptococcus australis  
Streptococcus bovis (gp D)  
Streptococcus canis  
Streptococcus constellatus ss constellatus  
Streptococcus constellatus ss pharyngis  
Streptococcus criceti  
Streptococcus cristatus  
Streptococcus devriesei  
Streptococcus didelphis  
Streptococcus downei  
Streptococcus dysgalactiae ss dysgalactiae  
Streptococcus dysgalactiae ss equisimilis  
Streptococcus entericus  
Streptococcus equi ss equi  
Streptococcus equi ss ruminatorum  
Streptococcus equi ss zooepidemicus (gp C)  
Streptococcus equinus (gp D)  
Streptococcus ferus  
Streptococcus gallinaceus  
Streptococcus gallolyticus ss gallolyticus  
Streptococcus gallolyticus ss macedonicus  
Streptococcus gallolyticus ss pasteurianus  
Streptococcus gordonii  
Streptococcus halichoeri  
Streptococcus hyointestinalis  
Streptococcus hyovaginalis  
Streptococcus infantarius/lutetiensis/bovis (gp D)  
Streptococcus infantis  
Streptococcus iniae  
Streptococcus intermedius  
Streptococcus lutetiensis/infantarius/bovis (gp D)  
Streptococcus macacae  
Streptococcus marimammaliu  
Streptococcus mitis  
Streptococcus mutans/ratti  
Streptococcus oralis  
Streptococcus orisratti  
Streptococcus ovis  
Streptococcus parasanguinis  
Streptococcus parauberis  
Streptococcus peroris  
Streptococcus phocae  
Streptococcus pluranimalium  
Streptococcus pneumoniae  
Streptococcus porcinius  
Streptococcus pseudopneumoniae  
Streptococcus pseudoporcinus  
Streptococcus pyogenes (gp A)  
Streptococcus salivarius ss salivarius  
Streptococcus salivarius ss thermophilus  
Streptococcus sanguinis  
Streptococcus sinensis  
Streptococcus sobrinus  
Streptococcus suis (gp R)  
Streptococcus suis serogroup 1/2  
Streptococcus suis serogroup 4/6  
Streptococcus suis serogroup 5  
Streptococcus suis serogroup 7  
Streptococcus thoralensis  
Streptococcus uberis  
Streptococcus vestibularis  
Tetragenococcus halophilus ss halophilus  
Tetragenococcus solitarius  
Tetrasphaera duodecadis  
Trueperella bernardiae

Trueperella pyogenes  
Tsukamurella inchoensis  
Tsukamurella paurometabola  
Tsukamurella pulmonis  
Tsukamurella tyrosinosolvens  
Turicella otitidis  
Vagococcus fessus  
Vagococcus fluvialis  
Vagococcus lutrae  
Vagococcus salmoninarum (26C)  
Virgibacillus dokdonensis  
Virgibacillus halodenitrificans  
Virgibacillus halophilus  
Virgibacillus marismortui  
Virgibacillus olivae  
Virgibacillus pantothenicus  
Virgibacillus proomii  
Virgibacillus salarius  
Virgibacillus salexigens  
Viridibacillus arenosi  
Viridibacillus arvi/neidei  
Viridibacillus neidei/arvi  
Weissella confusa  
Weissella halotolerans  
Weissella minor  
Weissella viridescens  
Williamsia deligens  
Williamsia maris (26C)  
Williamsia muralis  
Yimella lutea

### ANAEROBIC BACTERIA (361 taxa)

Abiotrophia defectiva  
Acetivibrio ethanolognens  
Acetoanaerobium noterae  
Acidaminococcus fermentans  
Actinobaculum schaalii  
Actinobaculum suis  
Actinomyces bovis BGA  
Actinomyces bovis BGB  
Actinomyces europaeus  
Actinomyces graevenitzi  
Actinomyces howellii  
Actinomyces hyovaginalis  
Actinomyces israelii  
Actinomyces meyeri  
Actinomyces naeslundii/viscosus  
Actinomyces neuui  
Actinomyces odontolyticus  
Actinomyces radingae  
Actinomyces slackii  
Actinomyces turicensis  
Anaerobiospirillum succiniproducens  
Anaeromusa acidaminophila  
Anaerorhabdus furcosa  
Anaerosinus glycerini  
Arcanobacterium pyogenes  
Atopobium fossor  
Atopobium minutum  
Atopobium parvulum  
Bacteroides caccae  
Bacteroides coagulans  
Bacteroides distasonis  
Bacteroides eggerthii  
Bacteroides forsythus  
Bacteroides fragilis BGA  
Bacteroides fragilis BGB  
Bacteroides helcogenes

## ANAEROBIC BACTERIA

<i>Bacteroides merdae</i>	<i>Clostridium hydroxybenzoicum</i>	<i>Eubacterium yurii</i> ss <i>margaretiae</i>
<i>Bacteroides ovatus</i>	<i>Clostridium innocuum</i>	<i>Eubacterium yurii</i> ss <i>schtitka</i>
<i>Bacteroides pectinophilus</i>	<i>Clostridium intestinale</i>	<i>Eubacterium yurii</i> ss <i>yurii</i>
<i>Bacteroides putredinis</i>	<i>Clostridium irregularis</i>	<i>Facklamia hominis</i>
<i>Bacteroides pyogenes</i>	<i>Clostridium magnum</i>	<i>Facklamia sourekii</i>
<i>Bacteroides splanchnicus</i>	<i>Clostridium malenominatum</i>	<i>Falcivibrio grandis</i>
<i>Bacteroides stercoris</i>	<i>Clostridium nexile</i>	<i>Falcivibrio vaginalis</i>
<i>Bacteroides suis</i>	<i>Clostridium novyi</i>	<i>Filifactor alocis</i>
<i>Bacteroides tectus</i>	<i>Clostridium orbiscindens</i>	<i>Filifactor villosus</i>
<i>Bacteroides thetaiotaomicron</i>	<i>Clostridium oroticum</i>	<i>Finegoldia magna</i>
<i>Bacteroides uniformis</i>	<i>Clostridium papyrosolvens</i>	<i>Fusobacterium gonidiaformans</i>
<i>Bacteroides ureolyticus</i>	<i>Clostridium paraputrificum</i>	<i>Fusobacterium naviforme</i>
<i>Bacteroides vulgatus</i>	<i>Clostridium pasteurianum</i>	<i>Fusobacterium necrogenes</i>
<i>Bifidobacterium adolescentis</i>	<i>Clostridium perfringens</i>	<i>Fusobacterium necrophorum</i>
<i>Bifidobacterium angulatum</i>	<i>Clostridium propionicum</i>	<i>Fusobacterium nucleatum</i> ss <i>animalis</i>
<i>Bifidobacterium animalis</i>	<i>Clostridium purinolyticum</i>	<i>Fusobacterium nucleatum</i> ss <i>fusiforme</i>
<i>Bifidobacterium asteroides</i>	<i>Clostridium putrificum</i>	<i>Fusobacterium nucleatum</i> ss <i>nucleatum</i>
<i>Bifidobacterium bifidum</i>	<i>Clostridium ramosum</i>	<i>Fusobacterium nucleatum</i> ss <i>polymorphum</i>
<i>Bifidobacterium boum</i>	<i>Clostridium rectum</i>	<i>Fusobacterium nucleatum</i> ss <i>vincentii</i>
<i>Bifidobacterium breve</i>	<i>Clostridium saccharolyticum</i>	<i>Fusobacterium russii</i>
<i>Bifidobacterium catenulatum</i>	<i>Clostridium sardiniensis</i>	<i>Fusobacterium ulimiae</i>
<i>Bifidobacterium choerinum</i>	<i>Clostridium sartagoformum</i>	<i>Fusobacterium ulcerans</i>
<i>Bifidobacterium coryneforme</i>	<i>Clostridium scatologenes</i>	<i>Fusobacterium varium</i>
<i>Bifidobacterium cuniculi</i>	<i>Clostridium scindens</i>	<i>Gardnerella vaginalis</i>
<i>Bifidobacterium dentium</i>	<i>Clostridium septicum</i>	<i>Gemella bergeri</i>
<i>Bifidobacterium gallicum</i>	<i>Clostridium sordelli</i>	<i>Gemella haemolysans</i>
<i>Bifidobacterium gallinarum</i>	<i>Clostridium sphenoides</i>	<i>Gemella morbillorum</i>
<i>Bifidobacterium indicum</i>	<i>Clostridium spiroforme</i>	<i>Granulicatella adiacens</i>
<i>Bifidobacterium infantis</i>	<i>Clostridium sporogenes</i>	<i>Hallella seregens</i>
<i>Bifidobacterium longum</i>	<i>Clostridium sporosphaeroides</i>	<i>Lactobacillus acetotolerans</i>
<i>Bifidobacterium magnum</i>	<i>Clostridium sticklandii</i>	<i>Lactobacillus acidophilus</i> BGA
<i>Bifidobacterium merycicum</i>	<i>Clostridium subterminale</i>	<i>Lactobacillus acidophilus</i> BGB
<i>Bifidobacterium minimum</i>	<i>Clostridium symbiosum</i>	<i>Lactobacillus alimentarius</i>
<i>Bifidobacterium pseudocatenulatum</i>	<i>Clostridium tertium</i>	<i>Lactobacillus amylovorus</i>
<i>Bifidobacterium pseudolongum</i> ss <i>globosum</i>	<i>Clostridium tetani</i>	<i>Lactobacillus aviarius</i> ss <i>araffinosus</i>
<i>Bifidobacterium pseudolongum</i> ss <i>pseudolongum</i>	<i>Clostridium tetanomorphum</i>	<i>Lactobacillus aviarius</i> ss <i>aviarius</i>
<i>Bifidobacterium pullorum</i>	<i>Clostridium tyrobutyricum</i>	<i>Lactobacillus bifermentans</i>
<i>Bifidobacterium ruminantium</i>	<i>Clostridium/Eubacterium</i> species	<i>Lactobacillus brevis</i>
<i>Bifidobacterium saeculare</i>	<i>Collinsella aerofaciens</i>	<i>Lactobacillus buchneri</i>
<i>Bifidobacterium subtile</i>	<i>Coprococcus catus</i>	<i>Lactobacillus casei</i>
<i>Bifidobacterium suis</i>	<i>Dendrosporobacter quercicolus</i>	<i>Lactobacillus catenaformis</i>
<i>Bifidobacterium thermophilum</i>	<i>Desulfobulbus elongatus</i>	<i>Lactobacillus collinoides</i>
<i>Bilophila wadsworthia</i>	<i>Desulfomonas pigra</i>	<i>Lactobacillus coryniformis</i> ss <i>coryniformis</i>
<i>Butyrivibrio fibrisolvens</i>	<i>Desulfomonile tiedjei</i>	<i>Lactobacillus coryniformis</i> ss <i>torquens</i>
<i>Campylobacter curvus/gracilis</i>	<i>Desulfovibrio desulfuricans</i> ss <i>desulfuricans</i>	<i>Lactobacillus crispatus</i>
<i>Campylobacter rectus</i>	<i>Desulfovibrio fructosivorans</i>	<i>Lactobacillus curvatus</i>
<i>Catonella morbi</i>	<i>Desulfovibrio vulgaris</i> ss <i>vulgaris</i>	<i>Lactobacillus delbrueckii</i> ss <i>bulgaricus</i>
<i>Centipeda periodontii</i>	<i>Eggerthella lenta</i>	<i>Lactobacillus delbrueckii</i> ss <i>delbrueckii</i>
<i>Clostridium absonum</i>	<i>Eikenella corrodens</i>	<i>Lactobacillus delbrueckii</i> ss <i>lactis</i>
<i>Clostridium acetobutylicum</i>	<i>Eubacterium angustum</i>	<i>Lactobacillus farciminis</i>
<i>Clostridium aerotolerans</i>	<i>Eubacterium barkeri</i>	<i>Lactobacillus fermentum</i>
<i>Clostridium "aminobutyricum"</i>	<i>Eubacterium biforme</i>	<i>Lactobacillus fructivorans</i>
<i>Clostridium aminophilum</i>	<i>Eubacterium brachy</i>	<i>Lactobacillus fructosus</i>
<i>Clostridium aminovalericum</i>	<i>Eubacterium budayi</i>	<i>Lactobacillus gasseri</i>
<i>Clostridium barati</i>	<i>Eubacterium combesii</i>	<i>Lactobacillus hamsteri</i>
<i>Clostridium botulinum</i>	<i>Eubacterium contortum</i>	<i>Lactobacillus helveticus</i>
<i>Clostridium cadaveris</i>	<i>Eubacterium cylindroides</i>	<i>Lactobacillus hilgardii</i>
<i>Clostridium carnis</i>	<i>Eubacterium desmolans</i>	<i>Lactobacillus jensenii</i>
<i>Clostridium cellobioparum</i>	<i>Eubacterium dolichum</i>	<i>Lactobacillus kefirii</i>
<i>Clostridium cellulolyticum</i>	<i>Eubacterium fissicatena</i>	<i>Lactobacillus mali/mafermentans</i>
<i>Clostridium clostridiiforme</i>	<i>Eubacterium hallii</i>	<i>Lactobacillus mali/sakei</i> ss <i>sakei</i>
<i>Clostridium coccoides</i>	<i>Eubacterium limosum</i> BGA	<i>Lactobacillus murinus/paracasei</i> ss <i>tolerans</i>
<i>Clostridium cochlearium</i>	<i>Eubacterium limosum</i> BGB	<i>Lactobacillus oris/parabuchneri</i>
<i>Clostridium cocleatum</i>	<i>Eubacterium moniliforme</i>	<i>Lactobacillus paracasei</i> ss <i>paracasei</i>
<i>Clostridium colinum</i>	<i>Eubacterium multiforme</i>	<i>Lactobacillus pentosus</i>
<i>Clostridium cylindrosporium</i>	<i>Eubacterium nodatum</i>	<i>Lactobacillus plantarum</i>
<i>Clostridium difficile</i>	<i>Eubacterium plautii</i>	<i>Lactobacillus reuteri</i>
<i>Clostridium fallax</i>	<i>Eubacterium saburreum</i>	<i>Lactobacillus rhamnosus</i>
<i>Clostridium glycolicum</i>	<i>Eubacterium tortuosum</i>	<i>Lactobacillus salivarius</i> ss <i>salicinii</i>
<i>Clostridium hastiforme</i>	<i>Eubacterium uniforme</i>	<i>Lactobacillus salivarius</i> ss <i>salivarius</i>



## ANAEROBIC BACTERIA

Lactobacillus sanfranciscensis  
Lactobacillus suebicus  
Lactobacillus vaginalis  
Lactococcus garvieae  
Lactococcus lactis ss cremoris  
Lactococcus lactis ss hordniae  
Lactococcus lactis ss lactis  
Lactococcus plantarum  
Lactococcus raffinolactis  
Leuconostoc carnosum  
Leuconostoc citreum  
Leuconostoc fallax  
Leuconostoc gellidum  
Leuconostoc lactis  
Leuconostoc mesenteroides ss cremoris  
Leuconostoc mesenteroides ss dextranicum  
Leuconostoc mesenteroides ss mesenteroides  
Megamonas hypermegale  
Megasphaera cerevisiae  
Megasphaera elsdenii  
Micromonas micros  
Mobiluncus curtisii  
Mobiluncus mulieris  
Mongibacterium timidum  
Pectinatus cerevisiiphilus  
Pectinatus frisingensis  
Pediococcus acidilactici  
Pediococcus dextrinicus  
Pediococcus parvulus  
Pediococcus pentosaceus  
Pediococcus urinaeequi  
Peptostreptococcus anaerobius  
Peptostreptococcus asaccharolyticus  
Peptostreptococcus barnesae  
Peptostreptococcus hydrogenalis  
Peptostreptococcus indolicus  
Peptostreptococcus lacrimalis  
Peptostreptococcus lactolyticus  
Peptostreptococcus prevotii  
Peptostreptococcus tetradius  
Peptostreptococcus vaginalis  
Porphyromonas asaccharolytica  
Porphyromonas circumdentaria/endodontalis  
Porphyromonas gingivalis  
Porphyromonas levii  
Porphyromonas macacae  
Prevotella bivia  
Prevotella buccae  
Prevotella buccalis  
Prevotella corporis  
Prevotella denticola  
Prevotella disiens (GNR Kan-R setup)  
Prevotella disiens (Standard AN setup)  
Prevotella heparinolytica  
Prevotella intermedia  
Prevotella loescheii  
Prevotella nigrescens  
Prevotella oralis  
Prevotella oris (GNR Kan-R setup)  
Prevotella oulora  
Prevotella species  
Propionibacterium acidipropionici  
Propionibacterium acnes  
Propionibacterium avidum  
Propionibacterium freudenreichii ss freudenreichii  
Propionibacterium granulosum  
Propionibacterium jensenii  
Propionibacterium lymphophilum  
Propionibacterium propionicus  
Propionibacterium thoenii

Pseudoramibacter alactolyticus  
Rikenella microfusum  
Ruminococcus gnavus  
Ruminococcus hansenii  
Ruminococcus lactaris  
Ruminococcus productus  
Ruminococcus torques  
Sarcina maxima  
Sarcina ventriculi  
Sebaldella termitidis  
Selenomonas flueggei  
Selenomonas infelix  
Selenomonas noxia  
Selenomonas sputigena  
Slackia heliotrinireducens  
Sporolactobacillus inulinus  
Sporomusa acidovorans  
Sporomusa ovata  
Sporomusa sphaeroides  
Staphylococcus aureus ss anaerobius  
Staphylococcus saccharolyticus  
Streptococcus alactolyticus  
Streptococcus anginosus  
Streptococcus bovis  
Streptococcus macacae  
Streptococcus mutans  
Streptococcus pleomorphus  
Streptococcus suis  
Streptococcus thermophilus  
Succinivibrio dextrinosolvens  
Sutterella wadsworthensis  
Tetragenococcus halophilus  
Tissierella praeacuta  
Veillonella atypica/caviae/dispar/parvula  
Veillonella criceti  
Veillonella ratti  
Weissella confusa  
Weissella halotolerans/hellenica  
Weissella kandleri  
Weissella minor  
Weissella paramesenteroides  
Weissella viridescens  
Wolinella succinogenes  
Zymomonas mobilis ss mobilis  
Zymophilus paucivorans/raffinosisivorans

## YEASTS (267 taxa)

Arthroascus javanensis  
Bulleromyces albus  
Candida aaseri A  
Candida aaseri B  
Candida albicans  
Candida apicola  
Candida azyma  
Candida blankii  
Candida boidinii  
Candida bombi  
Candida cantarelli  
Candida cariosilignicola  
Candida castellii  
Candida catenulata  
Candida diddensiae  
Candida diversa  
Candida edax  
Candida entomophila  
Candida ergastensis  
Candida etchellsii  
Candida famata  
Candida fluvialilis  
Candida freyschussii

Candida friedrichii  
Candida fructus  
Candida fusiformata  
Candida galacta  
Candida geochares  
Candida glabrata  
Candida glabrosa  
Candida gropengiesseri  
Candida haemulonii  
Candida humilis  
Candida incommunis  
Candida insectalens  
Candida insectamans  
Candida insectorum  
Candida intermedia  
Candida ishiwadae  
Candida magnoliae  
Candida maltosa  
Candida maris  
Candida maritima  
Candida melibiosica  
Candida mogii  
Candida montana  
Candida multisgemmis  
Candida musae  
Candida nemodendra  
Candida nitratophila  
Candida norvegica  
Candida oleophila  
Candida parapsilosis A  
Candida parapsilosis B  
Candida pararugosa  
Candida peltata  
Candida pinus  
Candida rugosa A  
Candida rugosa B  
Candida sake  
Candida salmanticensis  
Candida santamariae  
Candida savonica  
Candida shehatae  
Candida shehatae var shehatae  
Candida silvae  
Candida silvatica  
Candida solani  
Candida sonorensis  
Candida sorbophila  
Candida sorboxylosa  
Candida spandovensis  
Candida succiphila  
Candida tropicalis A  
Candida tropicalis B  
Candida vanderwaltii  
Candida vartiovaarai  
Candida versatilis  
Candida viswanathii  
Candida wickerhamii  
Candida zeylanoides  
Citeromyces matritensis  
Clavispora lusitaniae  
Cryptococcus albidus  
Cryptococcus albidus var aeriis  
Cryptococcus albidus var albidus  
Cryptococcus albidus var diffluens  
Cryptococcus amylolentus  
Cryptococcus curvatus A  
Cryptococcus curvatus B  
Cryptococcus dimennae  
Cryptococcus gastricus  
Cryptococcus kuetzingii

## YEASTS

Cryptococcus laurentii  
Cryptococcus luteolus  
Cryptococcus macerans  
Cryptococcus magnus  
Cryptococcus magnus var aerius  
Cryptococcus marinus  
Cryptococcus skinneri  
Cryptococcus terreus A  
Cryptococcus terreus B  
Cryptococcus tsukubaensis  
Debaryomyces castellii  
Debaryomyces hansenii A  
Debaryomyces hansenii B  
Debaryomyces hansenii C  
Debaryomyces hansenii var fabryi  
Debaryomyces maramus  
Debaryomyces polymorphus  
Debaryomyces vanrijae  
Dekkera anomala  
Dekkera bruxellensis A  
Dekkera bruxellensis B  
Dekkera custersiana  
Dekkera naardenensis  
Dipodascus capitatus  
Dipodascus ovetensis  
Endomyces fibuliger  
Endomycopsella vivi  
Eremothecium ashbyi  
Fellomyces fuzhouensis  
Filobasidiella neoformans bacillisporus  
Filobasidiella neoformans neoformans A  
Filobasidiella neoformans neoformans B  
Filobasidium uniguttulatum  
Galactomyces geotrichum  
Geotrichum terrestre  
Guilliermondella selenospora  
Hanseniaspora guilliermondii/uvorum/valb  
Hanseniaspora occidentalis  
Hanseniaspora osmophila/vineae  
Hyphopichia burtonii A  
Hyphopichia burtonii B  
Hyphopichia burtonii C  
Issatchenkia orientalis  
Issatchenkia scutulata  
Issatchenkia scutulata var exigua  
Issatchenkia scutulata var scutula  
Kluyveromyces delphensis  
Kluyveromyces lactis  
Kluyveromyces lodderae  
Kluyveromyces marxianus  
Kluyveromyces thermotolerans  
Kluyveromyces wickerhamii  
Kurtzmanomyces nectairei  
Lodderomyces elongisporus  
Metschnikowia pulcherrima  
Metschnikowia reukaufii  
Metschnikowia zobellii  
Nadsonia fulvescens  
Pachysolen tannophilus  
Phaffia rhodozyma  
Pichia alni  
Pichia amenthionina var amenthionina  
Pichia amenthionina var pachy  
Pichia amylophila/mississippiensis  
Pichia angusta  
Pichia anomala  
Pichia bisporea  
Pichia canadensis  
Pichia carsonii  
Pichia etchellsii  
Pichia fabianii  
Pichia farinosa/muscicola  
Pichia fermentans  
Pichia fluxuum  
Pichia glucozyma/methanolica  
Pichia guilliermondii A  
Pichia guilliermondii B  
Pichia haplophila  
Pichia holstii  
Pichia jadinii  
Pichia kluyveri  
Pichia media  
Pichia membranaefaciens  
Pichia mexicana  
Pichia minuta  
Pichia muscicola  
Pichia norvegensis  
Pichia ohmeri A  
Pichia ohmeri B  
Pichia onychis  
Pichia opuntiae  
Pichia pastoris  
Pichia petersonii  
Pichia pijperi  
Pichia pini  
Pichia rabaulensis  
Pichia rhodanensis  
Pichia silvicola  
Pichia spartinae  
Pichia stipitis  
Pichia subpelliculosa  
Pichia sydowiorum  
Pichia thermotolerans  
Pichia toletana  
Pichia trehalophila  
Pichia triangularis  
Rhodosporidium diobovatum  
Rhodosporidium sphaerocarum  
Rhodosporidium toruloides  
Rhodotorula acheniorum  
Rhodotorula acuta  
Rhodotorula araucariae  
Rhodotorula aurantiaca A  
Rhodotorula aurantiaca B  
Rhodotorula bacarum  
Rhodotorula glutinis  
Rhodotorula glutinis var glutinis  
Rhodotorula graminis  
Rhodotorula hyllophila  
Rhodotorula minuta  
Rhodotorula minuta var minuta  
Rhodotorula mucilaginoso  
Rhodotorula muscorum  
Rhodotorula philyla  
Rhodotorula pustula  
Saccharomyces bayanus  
Saccharomyces bouldarii  
Saccharomyces cerevisiae A/Tor.pretorien  
Saccharomyces cerevisiae B  
Saccharomyces dairensis  
Saccharomycodes ludwigii  
Saccharomycopsis capsularis  
Saturnospora dispersa  
Schizoblastosporon starkeyi-henricii  
Schizosaccharomyces japonicus  
Schizosaccharomyces japonicus var japoni  
Schizosaccharomyces octosporus  
Schizosaccharomyces pombe  
Schizosaccharomyces pombe var malidevora  
Schwannomyces occidentalis  
Sporidiobolus johnsonii A  
Sporidiobolus johnsonii B  
Sporidiobolus johnsonii C  
Sporidiobolus pararoseus A  
Sporidiobolus pararoseus B  
Sporobolomyces albo-rubescens  
Sporopachydermia cereana  
Sporopachydermia lactativora  
Stephanoascus ciferrii  
Sterigmatomyces elviae  
Sterigmatomyces halophilus  
Torulaspora delbrueckii  
Torulaspora globosa  
Trichosporon beigeli A  
Trichosporon beigeli B  
Trichosporon brassicae  
Trichosporon inkin  
Trigonopsis triangularis/variabilis  
Ustilago maydis  
Wickerhamiella domercqiae  
Williopsis californica  
Williopsis saturnus  
Williopsis saturnus var mrakii  
Williopsis saturnus var saturnus  
Wingea robertsiae  
Yarrowia lipolytica  
Zygoascus hellenicus  
Zygosaccharomyces bailii  
Zygosaccharomyces bisporus  
Zygosaccharomyces cidri  
Zygosaccharomyces fermentati  
Zygosaccharomyces florentinus  
Zygosaccharomyces microellipsoides/mraki  
Zygosaccharomyces rouxii

## FILAMENTOUS FUNGI (710 taxa)

Absidia californica J.Ellis & Hesselstine BGA  
Absidia californica J.Ellis & Hesselstine BGB  
Absidia corymbifera (Cohn) Sacc. & Trotter  
Absidia cylindrospora var cylindrospora Hagen  
Absidia glauca Hagen  
Absidia spinosa var spinosa Lendner  
Acremonium atrogriseum (Panassenko) W. Gams  
Acremonium bacillisporum (Onions & Barron) W. Gams  
Acremonium berkeleyanum (P. Karsten) W. Gams  
Acremonium breve (Sukapure & Thirumalachar) W. Gams BGA  
Acremonium breve (Sukapure & Thirumalachar) W. Gams BGB  
Acremonium charticola (Lindau) W. Gams  
Acremonium furcatum (F. & V. Moreau) ex W. Gams  
Acremonium fusidioides (Nicot) W. Gams  
Acremonium hyalinulum  
Acremonium kiliense Gruetz  
Acremonium murorum var felinum (Marchal) S. Hughes  
Acremonium murorum var murorum (Corda) W. Gams  
Acremonium polychromum (v. Beyma) W. Gams  
Acremonium potronii Vuill. BGA  
Acremonium potronii Vuill. BGB  
Acremonium strictum W. Gams BGA  
Acremonium strictum W. Gams BGB  
Acrodontium crateriforme (van Beyma) de Hoog  
Acrodontium griseum (Fassatiava) de Hoog BGA  
Acrodontium griseum (Fassatiava) de Hoog BGB  
Acrodontium salmoneum de Hoog BGA  
Acrodontium salmoneum de Hoog BGB  
Acrodontium simplex (Mangenot) de Hoog  
Actinomucor elegans (Eidam) C.R. Benjamin & Hesselstine BGA  
Actinomucor elegans (Eidam) C.R. Benjamin & Hesselstine BGB  
Alternaria alternata (Fr.) Keissl BGA  
Alternaria alternata (Fr.) Keissl BGB  
Alternaria alternata (Fr.) Keissl BGC

## FILAMENTOUS FUNGI

*Amorphotheca resiniae* D. Parbery  
*Aphanocladium album* (Preuss.) W. Gams  
*Apiospora montagnei* Sacc.  
*Arthrinium phaeospermum* (Corda) M.B. Ellis  
*Aspergillus aculeatus* Izuka  
*Aspergillus aeneus* Sappa  
*Aspergillus asperescens* Stolk  
*Aspergillus aureolatus* Muntanola-Cvctkovic & Bata BGA  
*Aspergillus aureolatus* Muntanola-Cvctkovic & Bata BGB  
*Aspergillus auricomus* (Guegen) Saito  
*Aspergillus avenaceus* G. Smith  
*Aspergillus awamori* Nakazawa  
*Aspergillus brasiliensis*  
*Aspergillus brevipes* G. Smith  
*Aspergillus caesiellus* Saito  
*Aspergillus caespitosus* Raper & Thom BGA  
*Aspergillus caespitosus* Raper & Thom BGB  
*Aspergillus candidus* Link BGA  
*Aspergillus candidus* Link BGB  
*Aspergillus carbonarius* (Bainier) Thom  
*Aspergillus carneus* (V. Tiegham) Blockwitz BGA  
*Aspergillus carneus* (V. Tiegham) Blockwitz BGB  
*Aspergillus cervinus* Masseur BGA  
*Aspergillus cervinus* Masseur BGB  
*Aspergillus clavatus* Desm.  
*Aspergillus egyptiacus* Moubasher & Moustafa  
*Aspergillus elegans* Gasperini  
*Aspergillus flavofurcatus* Batista & Maia  
*Aspergillus flavus var flavus* Link BGA  
*Aspergillus flavus var flavus* Link BGB  
*Aspergillus flavus var flavus* Link BGC  
*Aspergillus flavus var flavus* Link BGD  
*Aspergillus foetidus* Thom & Raper  
*Aspergillus fumigatus var fumigatus* Fresen. BGA  
*Aspergillus fumigatus var fumigatus* Fresen. BGB  
*Aspergillus fumigatus var fumigatus* Fresen. BGC  
*Aspergillus furciculosus* G. Smith  
*Aspergillus giganteus* Wehmer  
*Aspergillus japonicus var japonicus* K. Saito  
*Aspergillus kanagawaensis* Nehira BGA  
*Aspergillus kanagawaensis* Nehira BGB  
*Aspergillus lanosus* Kamal & Bhargava  
*Aspergillus malignus* Lindt  
*Aspergillus niger* v. Tiegham BGA  
*Aspergillus niger* v. Tiegham BGB  
*Aspergillus niger* v. Tiegham BGC  
*Aspergillus niger* v. Tiegham BGE  
*Aspergillus niger* v. Tiegham BGF  
*Aspergillus nutans* McLennan & Ducker  
*Aspergillus ochraceus* K. Wilhelm BGA  
*Aspergillus ochraceus* K. Wilhelm BGB  
*Aspergillus oryzae var oryzae* (Ahlburg) Cohn  
*Aspergillus ostianus* Wehmer BGA  
*Aspergillus ostianus* Wehmer BGB  
*Aspergillus pallidus* Kamyschko  
*Aspergillus parasiticus* Speare BGA  
*Aspergillus parasiticus* Speare BGB  
*Aspergillus parvulus* G. Sm.  
*Aspergillus penicilliformis* Kamyschko  
*Aspergillus petrakii* Voros  
*Aspergillus phoenicis* (Corda) Thom BGA  
*Aspergillus phoenicis* (Corda) Thom BGB  
*Aspergillus proliferans* G. Smith  
*Aspergillus pulverulentus* (McAlp.) Thom  
*Aspergillus puniceus* Kwon & Fennell  
*Aspergillus raperi* Stolk & J.A. Meyer  
*Aspergillus restrictus* G. Smith BGA  
*Aspergillus restrictus* G. Smith BGB  
*Aspergillus sclerotiorum* Huber  
*Aspergillus sepultus* Tuthill & Christensen

*Aspergillus sparsus* Raper & Thom  
*Aspergillus spelunceus* Raper & Fennell  
*Aspergillus sulphureus* (A. fresenii) Subramanian  
*Aspergillus sydowii* (Brainier & Sartory) Thom & Church BGA  
*Aspergillus sydowii* (Brainier & Sartory) Thom & Church BGB  
*Aspergillus sydowii* (Brainier & Sartory) Thom & Church BGC  
*Aspergillus sydowii* (Brainier & Sartory) Thom & Church BGD  
*Aspergillus tamarii* Kita  
*Aspergillus terreus var africanus* Fennell & Rapier  
*Aspergillus terreus var terreus* Thom BGA  
*Aspergillus terreus var terreus* Thom BGC  
*Aspergillus terricola* Marchal  
*Aspergillus terricola var americanus* Marchal  
*Aspergillus ustus* (Bainier) Thom & Church BGA  
*Aspergillus ustus* (Bainier) Thom & Church BGB  
*Aspergillus versicolor* (Vuill.) Tirab. BGA  
*Aspergillus versicolor* (Vuill.) Tirab. BGB  
*Aspergillus versicolor* (Vuill.) Tirab. BGC  
*Aspergillus versicolor* (Vuill.) Tirab. BGD  
*Aspergillus violaceofuscus* Gasperini  
*Aspergillus wentii* Wermer  
*Aspergillus zonatus* Zonatus  
*Aureobasidium pullulans var pullulans* (de Barry) G. Arnaud BGA  
*Aureobasidium pullulans var pullulans* (de Barry) G. Arnaud BGB  
*Basipetospora halophila* (J.F.H. Beyma) Pitt & A.D. Hocking  
*Beauveria bassiana* (Bals.) Vuillemin BGA  
*Beauveria bassiana* (Bals.) Vuillemin BGB  
*Bionectria aureofulva* (formerly *Nectria*) Cooke & Ellis (anam. *Clonostachys* sp.)  
*Bionectria sesquicillii* (formerly *Nectria*) Samuels (anam. *Clonostachys* sp.)  
*Blastobotrys elegans* de Hoog et al. BGA  
*Blastobotrys elegans* de Hoog et al. BGB  
*Botryosporium longibrachiatum* (Oud.) Maire  
*Botrytis aclada* Fresen.  
*Botrytis cinerea* Pers. BGA  
*Botrytis cinerea* Pers. BGB  
*Bulleromyces albus* Boekhout & A. Fomesca  
*Byssochlamys fulva* Olliver & G. Smith BGA  
*Byssochlamys fulva* Olliver & G. Smith BGB  
*Byssochlamys nivea* Westling  
*Candida albicans var albicans* (Robin) Berkhout  
*Candida insectorum* D.B. Scott et al.  
*Candida intermedia var intermedia* (AS) (Ciferri & Ash.) Lang. & Guerra  
*Candida montana* S. Goto & Oguri  
*Candida parapsilosis var parapsilosis* (Ashford) Langeron and Talice  
*Candida rugosa var rugosa* (H.W. Anderson) Diddens & Lodder  
*Candida sake* (Saito & Oda) v. Uden & Buckley  
*Candida sorbophila* (Nakase) S.A. Meyer & Yarrow  
*Candida zeylanoides var zelanoides* (Castellani) Langeron and Guerra  
*Cephalophora tropica* Thaxter  
*Cerinosterus cyanescens* (de Hoog & de Vries) R.T. Moore  
*Chaetomium funicola* Cooke  
*Chaetomium globosum* Kunze: Fries  
*Chaetosartorya stromatoides* Wiley & Simmons  
*Chrysosporium indicum* (Randhawa & Sandhu) Garg (anam. *Aspergillus stromatoides*)  
*Chrysosporium inops* Carmichael  
*Chrysosporium keratinophilum* D.Frey ex Charmichael  
*Chrysosporium merdarium* (Link: Fries) Carmichael.  
*Chrysosporium pannicola* (Corda) van Oorschot & Stalpers  
*Cladosporium cladosporioides* (Fresenius) de Vries BGA  
*Cladosporium cladosporioides* (Fresenius) de Vries BGB  
*Cladosporium cladosporioides* (Fresenius) de Vries BGC  
*Cladosporium cladosporioides* (Fresenius) de Vries BGD  
*Cladosporium herbarum* (Persoon:Fries) Link BGA  
*Cladosporium herbarum* (Persoon:Fries) Link BGB

*Cladosporium herbarum* (Persoon:Fries) Link BGC  
*Cladosporium macrocarpum* Preuss  
*Cladosporium sphaerospermum* Penzing BGA  
*Cladosporium sphaerospermum* Penzing BGB  
*Cladosporium tenuissimum* Cooke BGA  
*Cladosporium tenuissimum* Cooke BGB  
*Clonostachys rosea* (Link: Fries) Schroers, Samuels, Seifert & W. Gams BGA  
*Clonostachys rosea* (Link: Fries) Schroers, Samuels, Seifert & W. Gams BGB  
*Colletotrichum acutatum* Simmonds BGA  
*Colletotrichum acutatum* Simmonds BGB  
*Colletotrichum capsici* (H. Sydow) E. Butler & Bisby  
*Colletotrichum coccodes* (Wallroth) Hughes BGA  
*Colletotrichum coccodes* (Wallroth) Hughes BGB  
*Colletotrichum coffeanum* Noack  
*Colletotrichum crassipes* (Spegazzini) von Arx  
*Colletotrichum dematium* (Persoon: Fries) Grove  
*Colletotrichum destructivum* O'Gara BGA  
*Colletotrichum destructivum* O'Gara BGB  
*Colletotrichum gloeosporioides* (Penzig) Penzig & Saccardo BGA  
*Colletotrichum gloeosporioides* (Penzig) Penzig & Saccardo BGB  
*Colletotrichum lindemuthianum* (Saccardo & Magnus) Briosi & Cavara  
*Colletotrichum trichellum* (Fries) Duke  
*Colletotrichum trifolii* Bain & Essary BGA  
*Colletotrichum trifolii* Bain & Essary BGB  
*Colletotrichum truncatum* (Schweinitz) Andrus & Moore BGA  
*Colletotrichum truncatum* (Schweinitz) Andrus & Moore BGB  
*Coniothyrium olivaceum* Bonorden (*Microsphaeropsis olivacea*)  
*Cryptococcus albidus var albidus* (Saito) Skinner et.al.  
*Cryptococcus laurentii var laurentii* (Kufferath) Skinner BGA  
*Cryptococcus laurentii var laurentii* (Kufferath) Skinner BGB  
*Cryptococcus terreus* di Menna  
*Cunninghamella elegans* Lendner  
*Curvularia lunata var lunata* (Wakker) Boedijn BGA  
*Curvularia lunata var lunata* (Wakker) Boedijn BGB  
*Debaryomyces castellii* Capriotti  
*Debaryomyces hansenii var hansenii* (Zopf) Lodder and Kreger-v.Rij BGA  
*Debaryomyces hansenii var hansenii* (Zopf) Lodder and Kreger-v.Rij BGA  
*Debaryomyces hansenii var hansenii* (Zopf) Lodder and Kreger-v.Rij BGA  
*Debaryomyces hansenii var hansenii* (Zopf) Lodder and Kreger-v.Rij BGA  
*Debaryomyces occidentalis var occidentalis* (Klocker) Kurtzman & Robnett  
*Debaryomyces polymorphus var polymorphus* (Klocker) C.W. Price & Phaff  
*Dekkera bruxellensis* Van der Walt (anam. *Brettanomyces bruxellensis*)  
*Doratomyces microsporus* (Saccardo) Morton & G. Smith  
*Doratomyces stemonitis* (Persoon:Fries) Morton & G. Smith  
*Emericella fruticulosa* (Raper & Fennell) Malloch & Cain (anam. *Aspergillus triticinus*)  
*Emericella nidulans var nidulans* (Eidam) Vuillemin (anam. *Aspergillus nidulellus*)  
*Emericella quadrilineata* (Thom & Raper) C.R. Benjamin BGA (anam. *Aspergillus tetrazonus*)  
*Emericella quadrilineata* (Thom & Raper) C.R. Benjamin BGB (anam. *Aspergillus tetrazonus*)  
*Emericella rugulosa* (Thom & Raper) C.R. Benjamin (anam. *Aspergillus rugulovalvus*)  
*Emericella striata* (J.N. Rai et al.) Malloch & Cain (anam. *Aspergillus striatulus*)  
*Emericella unguis* Malloch & Cain BGA (anam. *Aspergillus unguis*)  
*Emericella unguis* Malloch & Cain BGB (anam. *Aspergillus unguis*)  
*Emericella varicolor var varicolor* Berk. & Br. In Berk. (anam. *Aspergillus stellifer*)  
*Emericella violacea* (Fennell & Raper) Malloch & Cain (anam. *Aspergillus violaccobrunneus*)  
*Endomyces fibuliger* Lindner  
*Engyodontium album* (Limber) de Hoog  
*Epicoccum nigrum* (E. purapurascens) Link BGA  
*Epicoccum nigrum* (E. purapurascens) Link BGB  
*Epicoccum nigrum* (E. purapurascens) Link BGC

## FILAMENTOUS FUNGI

*Eremascus fertilis* Stoppel

*Eupenicillium baarnense* (van Beyma) Stolk & Scott (anam. *Penicillium turbatum*)

*Eupenicillium brefeldianum* (Dodge) Stolk & Scott (anam. *Penicillium dodgei*)

*Eupenicillium cinnamopurpureum* D.B. Scott & Stolk BGA

*Eupenicillium cinnamopurpureum* D.B. Scott & Stolk BGB

*Eupenicillium crustaceum* Ludwig (anam. *Penicillium nilense*)

*Eupenicillium euglaucum* (van Beyma) Stolk & Samson

*Eupenicillium javanicum* var *javanicum* (Van Beyma) Stolk and Scott

*Eupenicillium lapidosum* Scott & Stolk (anam. *Penicillium lapidosum*)

*Eupenicillium meridianum* Scott (anam. *Penicillium decumbens*)

*Eupenicillium pinetorum* Stolk (anam. *Penicillium fuscum*)

*Eurotium amstelodami* Mangin BGA (anam. *Aspergillus hollandicus*)

*Eurotium amstelodami* Mangin BGB (anam. *Aspergillus hollandicus*)

*Eurotium amstelodami* Mangin BGC (anam. *Aspergillus hollandicus*)

*Eurotium chevalieri* L.Mangin BGA (anam. *Aspergillus equitis*)

*Eurotium chevalieri* L.Mangin BGB (anam. *Aspergillus equitis*)

*Eurotium chevalieri* L.Mangin BGC (anam. *Aspergillus equitis*)

*Eurotium echinulatum* Delacroix BGA (anam. *Aspergillus echinulatus*)

*Eurotium echinulatum* Delacroix BGB (anam. *Aspergillus echinulatus*)

*Eurotium herbariorum* (Wiggers:Fries) BGA Link

*Eurotium herbariorum* (Wiggers:Fries) BGB Link

*Eurotium herbariorum* (Wiggers:Fries) BGC Link

*Eurotium herbariorum* (Wiggers:Fries) BGD Link

*Eurotium intermedium* Blaser (anam. *Aspergillus intermedium*)

*Eurotium rubrum* König et al.BGA (anam. *Aspergillus rubrobrunneus*)

*Eurotium rubrum* König et al.BGB (anam. *Aspergillus rubrobrunneus*)

*Eurotium spiculosum* Blaser BGA (anam. *Aspergillus spiculosum*)

*Eurotium spiculosum* Blaser BGB (anam. *Aspergillus spiculosum*)

*Fennellia flavipes* Wiley & Simmons (anam. *Aspergillus flavipes*)

*Fennellia flavipes* Wiley & Simmons BGB (anam. *Aspergillus flavipes*)

*Fennellia flavipes* Wiley & Simmons BGC (anam. *Aspergillus flavipes*)

*Fennellia nivea* (Wiley & Simmons) Samson BGA (anam. *Aspergillus niveus*)

*Fennellia nivea* (Wiley & Simmons) Samson BGB (anam. *Aspergillus niveus*)

*Fusarium acuminatum* Ellis & Everh. (teleo. *Gibberella acuminatum*)

*Fusarium annulatum* Bugnicourt

*Fusarium avenaceum* (Corda:Fries) Saccardo BGA (teleo. *Gibberella avenacea*)

*Fusarium avenaceum* (Corda:Fries) Saccardo BGB (teleo. *Gibberella avenacea*)

*Fusarium avenaceum* (Corda:Fries) Saccardo BGC (teleo. *Gibberella avenacea*)

*Fusarium avenaceum* (Corda:Fries) Saccardo BGD (teleo. *Gibberella avenacea*)

*Fusarium avenaceum* (Corda:Fries) Saccardo BGE (teleo. *Gibberella avenacea*)

*Fusarium aywerte* Sangalang & L.W. Burgess

*Fusarium brevicatenuatum* Nirenberg & O'Donnell

*Fusarium camptoceras* Wollenweber & Reinking

*Fusarium cerealis* (f. *crookwellense*) Burgess, Nelson & Toussoun BGA

*Fusarium cerealis* (f. *crookwellense*) Burgess, Nelson & Toussoun BGB

*Fusarium chlamyosporum* var *chlamyosporum* Wollenweber & Reinking

*Fusarium ciliatum* Link

*Fusarium coccociocola* P. Henn. (f. *juruanum*) (teleo. *Nectria diplos*)

*Fusarium compactum* (Wollenweber) Gordon

*Fusarium culmorum* (W.G. Smith) Saccardo BGA

*Fusarium culmorum* (W.G. Smith) Saccardo BGB

*Fusarium decemcellulare* Brick (teleo. *Nectria rigidiuscula*)

*Fusarium equiseti* (Corda) Saccardo (teleo. *Gibberella intricans*)

*Fusarium eumartii* Carpenter (teleo. *Nectria haematococca*)

*Fusarium flocciferum* Corda (teleo. *Gibberella heterochroma*)

*Fusarium fujikuroi* Nirenberg (teleo. *Gibberella fujikuroi*)

*Fusarium globosum* Rheeder, Marasas & Nelson

*Fusarium graminearum* Schwabe BGA (teleo. *Gibberella zeae*)

*Fusarium graminearum* Schwabe BGB (teleo. *Gibberella zeae*)

*Fusarium graminearum* Schwabe BGC (teleo. *Gibberella zeae*)

*Fusarium graminum* Corda

*Fusarium heterosporum* Nees:Fries BGA (teleo. *Gibberella gordonia*)

*Fusarium heterosporum* Nees:Fries BGB (teleo. *Gibberella gordonia*)

*Fusarium incarnatum* (f. *pallidoroseum*) (Cooke) Sacc.

*Fusarium lactis* Pirotta & Riboni

*Fusarium lateritium* var *lateritium* Nees (teleo. *Gibberella baccata*)

*Fusarium longipes* Wollenweber & Reinking

*Fusarium melanochlorum* (Caspari) Saccardo (teleo. *Nectria flavoviridis*)

*Fusarium merismoides* var *merismoides* Corda

*Fusarium nurragai* Summerell & L.W. Burgess

*Fusarium oxysporum* Schlechtendahl:Fries BGA

*Fusarium oxysporum* Schlechtendahl:Fries BGB

*Fusarium oxysporum* Schlechtendahl:Fries

*Fusarium poae* (Peck) Wollenweber BGA

*Fusarium poae* (Peck) Wollenweber BGB

*Fusarium poae* (Peck) Wollenweber BGC

*Fusarium proliferatum* var *proliferatum* (Matsush.) Nirenberg BGA (teleo. *Gibberella intermedia*)

*Fusarium proliferatum* var *proliferatum* (Matsush.) Nirenberg BGB (teleo. *Gibberella intermedia*)

*Fusarium pseudoanthophilum* Nirenberg & O'Donnell

*Fusarium pseudograminearum* Aoki & O'Donnell (teleo. *Gibberella coronicola*)

*Fusarium ramigenum* Nirenberg & O'Donnell

*Fusarium redolens* Wollenweber

*Fusarium reticulatum* var *reticulatum* Mont. (teleo. *Gibberella cyanea*)

*Fusarium robustum* Gerlach

*Fusarium sacchari* (Butler) W. Gams BGA

*Fusarium sacchari* (Butler) W. Gams BGB

*Fusarium sambucinum* var *sambucinum* Fuckel (teleo. *Gibberella pulicaris*)

*Fusarium solani* (Martius) Sacc. BGA

*Fusarium solani* (Martius) Sacc. BGB

*Fusarium solani* (Martius) Sacc. BGC

*Fusarium sporotrichioides* var *minus* Wollenweber BGA

*Fusarium sporotrichioides* var *minus* Wollenweber BGB

*Fusarium sporotrichioides* var *sporotrichioides* Sherb. BGA

*Fusarium sporotrichioides* var *sporotrichioides* Sherb. BGB

*Fusarium stilboides* Wollenweber BGA (teleo. *Gibberella stilboides*)

*Fusarium stilboides* Wollenweber BGB (teleo. *Gibberella stilboides*)

*Fusarium stilboides* Wollenweber BGC (teleo. *Gibberella stilboides*)

*Fusarium subglutinans* (Wollenweber & Reinking) Nelson et al. BGA (teleo. *Gibberella subglutinans*)

*Fusarium subglutinans* (Wollenweber & Reinking) Nelson et al. BGB (teleo. *Gibberella subglutinans*) missing in Air and Food

*Fusarium thapsinum* Klittich, Leslie, Nelson & Marasas (teleo. *Gibberella thapsinum*)

*Fusarium torulosum* (Berkeley & Curtis) Nirenberg

*Fusarium tricinctum* (Corda) Saccardo BGA

*Fusarium tricinctum* (Corda) Saccardo BGB

*Fusarium tumidum* Scherbakoff (teleo. *Gibberella tumida*)

*Fusarium udum* E. Butler

*Fusarium venenatum* Nirenberg

*Fusarium ventricosum* Appel & Wollenweber

*Fusarium verticillioides* (Saccardo) Nirenberg BGA (teleo. *Gibberella moniliformis*)

*Fusarium verticillioides* (Saccardo) Nirenberg BGB (teleo. *Gibberella moniliformis*)

*Fusarium verticillioides* (Saccardo) Nirenberg BGC (teleo. *Gibberella moniliformis*)

*Fusarium verticillioides* (Saccardo) Nirenberg BGE (teleo. *Gibberella moniliformis*)

*Fusarium xylerioides* Steyaert (teleo. *Gibberella xylerioides*)

*Geomyces pannorum* var *pannorum* (Link) Sigler and Carmichael BGA

*Geomyces pannorum* var *pannorum* (Link) Sigler and Carmichael BGB

*Geomyces pulvereus* Hocking & Pitt

*Geosmithia putterillii* (Thom) Pitt

*Geotrichum candidum* (*Galactomyces geotrichum*) (Link:Fries) BGA

*Geotrichum candidum* (*Galactomyces geotrichum*) (Link:Fries) BGB

*Geotrichum candidum* (*Galactomyces geotrichum*) (Link:Fries) BGC

*Geotrichum klebahnii* (Stautz) Morenz

*Geotrichum sericeum* (Stautz) de Hoog et al.

*Gliocladium catenulatum* Gilman & Abbott

*Gliocladium viride* Matruchot

*Gonatobotrys simplex* Corda

*Hanseniaspora uvarum* (Niehaus) El-Taby Shehata et al. (anam. *Kloeckera apiculata*)

*Hanseniaspora valbyensis* Klocker BGA (anam. *Kloeckera japonica*)

*Hanseniaspora valbyensis* Klocker BGB (anam. *Kloeckera japonica*)

*Hemicarpentales paradoxus* Sarbhoy & Elphick (anam. *Aspergillus paradoxus*)

*Hortaea werneckii* (Horta) Nishimura & Miyaji

*Hyphopichia burtonii* (Boidin et al.) von Arx & Van der Walt

*Hypocrea andinensis* Samuels & O. Petrini

*Hypocrea aurantia* P. Hennings

*Hypocrea aureoviridis* Plowright & Cooke in Phillips & Plowright BGA (anam. *Trichoderma aureoviride*)

*Hypocrea aureoviridis* Plowright & Cooke in Phillips & Plowright BGB

*Hypocrea gelatinosa* (Tode: Fr.) Fr.

*Hypocrea jecorina* Berkeley & Broome BGA (anam. *Trichoderma reesei*)

*Hypocrea jecorina* Berkeley & Broome BGB (anam. *Trichoderma reesei*)

*Hypocrea jecorina* Berkeley & Broome BGC (anam. *Trichoderma reesei*)

*Hypocrea lixii* (H. nigricans) Patoillard

*Hypocrea novae-zelandiae* Samuels & Petrini

*Hypocrea orientalis* Samuels & Petrini

*Hypocrea pseudokoningii* Samuels & Petrini

*Hypocrea schweinitzii* (Fries) Saccardo BGA (anam. *Tric. citrinoviride*)

*Hypocrea schweinitzii* (Fries) Saccardo BGB (anam. *Tric. citrinoviride*)

*Issatchenkia orientalis* Kurtzman et.al. (anam. *Candida krusei*)

*Issatchenkia scutulata* var *scutulata* (Phaff et al.) Kurtzman et al.

*Kazachstania exiguous* Reess (formerly *Saccharomyces*) (anam. *Can. holmii*)

*Kluyveromyces lactis* var *lactis* (Dombrowski) Van der Walt (anam. *Candida sphaerica*)

*Kluyveromyces marxianus* var *marxianus* (Hansen) Van.der Walt BGA (anam. *Candida kefyr*)

*Kluyveromyces marxianus* var *marxianus* (Hansen) Van.der Walt BGB (anam. *Candida kefyr*)

*Kluyveromyces marxianus* var *marxianus* (Hansen) Van.der Walt BGC (anam. *Candida kefyr*)

*Kluyveromyces marxianus* var *marxianus* (Hansen) Van.der Walt BGD (anam. *Candida kefyr*)

*Kluyveromyces marxianus* var *marxianus* (Hansen) Van.der Walt BGE (anam. *Candida kefyr*)

*Kodamaea ohmeri* (Etchells & Bell) Yamada et.al. (*Can.guilliermondii*) (teleo. *Kodamaea ohmeri*)

*Lecanicillium lecanii* (Zimmermann) Zare & Gams (*Verticillium lecanii*)

*Lecythophora hoffmannii* (van.Beyma) W. Gams & McGinnis BGA

*Lecythophora hoffmannii* (van.Beyma) W. Gams & McGinnis BGB

*Lecythophora mutabilis* (van Beyma) W. Gams & McGinnis

*Mariannaea elegans* var *elegans* (Corda) G. Amand ex Samson

*Mariannaea elegans* var *punicæ* Samson

*Memnoniella echinulata* (formerly *Stachybotrys*) (Rivolta) Galloway

*Microdochium bolleyi* (Sprague) de Hoog & Hermanides-Nijhof

*Monascus ruber* v. Tieghem

*Moniliella acetoabutans* Stolk & Dakin

*Moniliella suaveolens* var *suaveolens* (Lindner) v.Ar

*Mucor circinelloides* f. *circinelloides* v. Tieghem

*Mucor hiemalis* f. *hiemalis* Wehmer

*Mucor mucedo* Linnaeus: Fries

*Mucor plumbeus* Bonorden BGA

*Mucor plumbeus* Bonorden BGB

*Mucor racemosus* f. *racemosus* Fresen.

*Myceliophthora lutea* Costantin

*Myrothecium roridum* Tode:Fries

*Myrothecium verrucaria* (Albertini & Schweinitz:Fries) Ditmar

*Nectria haematococca* Berk. & Broome (anam. *Fusarium eumartii*)

*Nectria ochroleuca* (Schweinitz) Berkeley

*Neosartorya fischeri* var *fischeri* (Wehmer) Malloch & Cain BGA (anam. *Aspergillus. fischerianus*)

*Neosartorya fischeri* var *fischeri* (Wehmer) Malloch & Cain BGB (anam. *Aspergillus. fischerianus*)

*Neurospora crassa* Schear & Dodge

*Neurospora sitophila* Schear & Dodge

*Nigrospora oryzae* (Berkeley & Broome) Petch

## FILAMENTOUS FUNGI

*Nigrospora sphaerica* (Saccardo) Mason  
*Ophiostoma piceae* (Munch) H. & P. Sydow BGA  
*Ophiostoma piceae* (Munch) H. & P. Sydow BGB  
*Ophiostoma ulmi* (Buisman) Nannfeldt  
*Paecilomyces carneus* (DuchŽ & Heim) A. Brown & G. Smith  
*Paecilomyces farinosus* (Holm.Fr.) A. Brown & G. Smith  
*Paecilomyces fumosoroseus* (Wize) A. Brown & G. Smith  
*Paecilomyces lilacinus* (Thom) Samson BGA  
*Paecilomyces lilacinus* (Thom) Samson BGB  
*Paecilomyces marquandii* (Masse) S. Hughes  
*Paecilomyces variotii* (Bainier) BGA  
*Paecilomyces variotii* (Bainier) BGB  
*Penicillium adametzii* Zaleski BGA  
*Penicillium adametzii* Zaleski BGB  
*Penicillium aethiopicum* Frisvad  
*Penicillium allii* Vincent & Pitt  
*Penicillium argillaceum* Stolk et al.  
*Penicillium atramentosum* Thom  
*Penicillium aurantiogriseum* Dierckx BGA  
*Penicillium aurantiogriseum* Dierckx BGB  
*Penicillium aurantiovirens* Biourge  
*Penicillium bilaiae* Chalabuda BGA  
*Penicillium bilaiae* Chalabuda BGB  
*Penicillium brevicompactum* Dierckx BGA  
*Penicillium brevicompactum* Dierckx BGB  
*Penicillium brevicompactum* Dierckx BGC  
*Penicillium brevicompactum* Dierckx BGD  
*Penicillium camembertii* Thom BGA  
*Penicillium camembertii* Thom BGB  
*Penicillium canescens* Sopp  
*Penicillium capsulatum* Raper & Fennell  
*Penicillium chermesinum* Biourge  
*Penicillium chrysogenum* Thom BGA  
*Penicillium chrysogenum* Thom BGB  
*Penicillium chrysogenum* Thom BGC  
*Penicillium chrysogenum* Thom BGD  
*Penicillium chrysogenum* Thom BGE  
*Penicillium chrysogenum* Thom BGF  
*Penicillium chrysogenum* Thom BGG  
*Penicillium citreonigrum* Dierckx BGA (teleo. *Eupenicillium* *euglaucum*)  
*Penicillium citreonigrum* Dierckx BGB (teleo. *Eupenicillium* *euglaucum*)  
*Penicillium citreonigrum* Dierckx BGC (teleo. *Eupenicillium* *euglaucum*)  
*Penicillium citrinum* Thom BGA  
*Penicillium citrinum* Thom BGB  
*Penicillium clavigerum* Demelius  
*Penicillium commune* Thom BGA  
*Penicillium commune* Thom BGB  
*Penicillium commune* Thom BGC  
*Penicillium corylophilum* Dierckx BGA  
*Penicillium corylophilum* Dierckx BGB  
*Penicillium crustosum* Thom BGA  
*Penicillium crustosum* Thom BGB  
*Penicillium crustosum* Thom BGC  
*Penicillium crustosum* Thom BGD  
*Penicillium cyclopium* Westling  
*Penicillium decumbens* Thom (teleo. *Eupenicillium* *meridianum*)  
*Penicillium dierckxii* Biourge (P. *fellutanum*) BGA  
*Penicillium dierckxii* Biourge (P. *fellutanum*) BGB  
*Penicillium digitatum* Saccardo BGA  
*Penicillium digitatum* Saccardo BGB  
*Penicillium discolor* Frisvad & Samson  
*Penicillium duclauxii* Delacroix  
*Penicillium echinulatum* var *echinulatum* Fassatiova  
*Penicillium erythromellis* Hocking  
*Penicillium expansum* Link BGA  
*Penicillium expansum* Link BGB  
*Penicillium expansum* Link BGC  
*Penicillium expansum* Link BGD  
*Penicillium expansum* Link BGD

*Penicillium expansum* Link BGE  
*Penicillium frei* Frisvad & Samson BGA  
*Penicillium frei* Frisvad & Samson BGB  
*Penicillium funiculosum* Thom BGA  
*Penicillium funiculosum* Thom BGB  
*Penicillium funiculosum* Thom BGC  
*Penicillium funiculosum* Thom BGD  
*Penicillium glabrum* (Wehmer) Westling BGC  
*Penicillium glabrum* (Wehmer) Westling BGD  
*Penicillium glabrum* (Wehmer) Westling BGE  
*Penicillium glandicola* var *glandicola* (Oudem.) Seifert and Samson  
*Penicillium griseofulvum* Dierckx BGA  
*Penicillium griseofulvum* Dierckx BGB  
*Penicillium herquei* Bainier & Sartory  
*Penicillium hirsutum* Dierckx  
*Penicillium hordei* Stolk  
*Penicillium implicatum* Biourge  
*Penicillium islandicum* Sopp  
*Penicillium italicum* Wehmer  
*Penicillium janczewskii* Zaleski BGA  
*Penicillium janczewskii* Zaleski BGB  
*Penicillium jensenii* Zaleski  
*Penicillium lanosum* Westling  
*Penicillium madriti* G.Smith  
*Penicillium melanoconidium* (Frisvad) Frisvad & Samson BGA  
*Penicillium melanoconidium* (Frisvad) Frisvad & Samson BGB  
*Penicillium melinii* Thom  
*Penicillium miczynskii* Zaleski  
*Penicillium minioluteum* Dierckx BGA  
*Penicillium minioluteum* Dierckx BGB  
*Penicillium minioluteum* Dierckx BGC  
*Penicillium montanense* M. Christensen & Backus  
*Penicillium nalgiovense* Laxa  
*Penicillium neoehinulatum* (Frisvad et al.) Frisvad & Samson  
*Penicillium oblatum* Pitt & Hocking  
*Penicillium ochrochloron* Biourge BGA  
*Penicillium ochrochloron* Biourge BGB  
*Penicillium olsonii* Bainier & Sartory BGA  
*Penicillium olsonii* Bainier & Sartory BGB  
*Penicillium olsonii* Bainier & Sartory BGC  
*Penicillium olsonii* Bainier & Sartory BGD  
*Penicillium oxalicum* Currie & Thom  
*Penicillium paxilli* Bainier  
*Penicillium phoeniceum* van.Beyma  
*Penicillium piceum* Raper & Fennell  
*Penicillium pinophilum* Hedgecock BGA  
*Penicillium pinophilum* Hedgecock BGB  
*Penicillium pinophilum* Hedgecock BGC  
*Penicillium pinophilum* Hedgecock BGD  
*Penicillium polonicum* Zaleski BGA  
*Penicillium polonicum* Zaleski BGB  
*Penicillium polonicum* Zaleski BGC  
*Penicillium primulinum* Pitt  
*Penicillium purpurescens* (Sopp.) Raper & Thom  
*Penicillium purpurogenum* Stoll BGA  
*Penicillium purpurogenum* Stoll BGB  
*Penicillium purpurogenum* Stoll BGC  
*Penicillium purpurogenum* var *rubrisclerotium* Thom  
*Penicillium raistrickii* G.Smith  
*Penicillium restrictum* Gilman & Abbott  
*Penicillium roqueforti* Thom BGA  
*Penicillium roqueforti* Thom BGB  
*Penicillium roqueforti* Thom BGC  
*Penicillium roqueforti* Thom BGD  
*Penicillium roqueforti* Thom BGE  
*Penicillium roqueforti* Thom BGF  
*Penicillium rubrum* Stoll BGA  
*Penicillium rubrum* Stoll BGB  
*Penicillium rubrum* (P. *crateriforme*) Gilman & Abbott BGC

*Penicillium rugulosum* Thom BGA  
*Penicillium rugulosum* Thom BGB  
*Penicillium rugulosum* Thom BGC  
*Penicillium sclerotiorum* Van.Beyma  
*Penicillium siamense* Manoch & Ramirez  
*Penicillium simplicissimum* (Oudem.) Thom BGA  
*Penicillium simplicissimum* (Oudem.) Thom BGB  
*Penicillium smithii* Quintanilla  
*Penicillium solitum* Westling BGA  
*Penicillium solitum* Westling BGB  
*Penicillium solitum* Westling BGC  
*Penicillium spinulosum* Thom (P. *lividum*)  
*Penicillium steckii* Zaleski BGA  
*Penicillium steckii* Zaleski BGC  
*Penicillium thomii* Maire BGA  
*Penicillium thomii* Maire BGB  
*Penicillium thomii* Maire BGC  
*Penicillium tricolor* Fresvad et al.  
*Penicillium trubatum* Westling BGA (teleo. *Eupenicillium* *baarnese*)  
*Penicillium trubatum* Westling BGB (teleo. *Eupenicillium* *baarnese*)  
*Penicillium variabile* Sopp BGA  
*Penicillium variabile* Sopp BGB  
*Penicillium verrucosum* var *verrucosum* Dierckx  
*Penicillium viridicatum* Westling BGA  
*Penicillium viridicatum* Westling BGB  
*Penicillium vulpinum* (Cooke & Masse) Seifert & Samson BGA  
*Penicillium vulpinum* (Cooke & Masse) Seifert & Samson BGB  
*Pestalotiopsis maculans* (Corda) Nag Raj  
*Petromyces alliaceus* Malloch & Cain BGA (anam. *Aspergillus* *alliaceus*)  
*Petromyces alliaceus* Malloch & Cain BGB (anam. *Aspergillus* *alliaceus*)  
*Phanerochaete chrysosporium* Burdsall  
*Phialophora fastigiata* (Lagerberg & Melin) Conant  
*Phialophora malorum* (Kidd & Beaumont) McCulloch  
*Phialophora richardsiae* (Nannfeldt) Conant  
*Phoma chrysanthemicola* Hollos BGA  
*Phoma chrysanthemicola* Hollos BGB  
*Phoma exigua* var *exigua* Desm.  
*Phoma glomerata* (Corda) Wollenweber & Hochapfel BGA  
*Phoma glomerata* (Corda) Wollenweber & Hochapfel BGB  
*Phoma herbarum* Westendorp  
*Phoma macrostoma* var *macrostoma* Mont.  
*Phoma multirostrata* (Mathur et al.) Dorenbosch & Boerema  
*Phoma septacidalis* Boerema  
*Phoma sorghina* (Saccardo) Boerema et al.  
*Pichia anomala* (E.C.Hansen) Kurtzman BGA  
*Pichia anomala* (E.C.Hansen) Kurtzman BGB  
*Pichia fermentans* var *fermentans* Lodder BGA (anam. *Candida* *lambica*)  
*Pichia fermentans* var *fermentans* Lodder BGB (anam. *Candida* *lambica*)  
*Pichia guilliermondii* Wickernam (anam. *Candida* *guilliermondii*)  
*Pichia haplophila* Shifrine & Phaff  
*Pichia membranifaciens* var *membranifaciens* Hansen (anam. *Candida* *valida*)  
*Pichia pastoris* (Guilliermond) Phaff  
*Pichia petersonii* (Wickerham) Kurtzman  
*Pichia spartinae* Ahearn et al.  
*Pithomyces chartarum* (Berkeley & Curtis) M.B. Ellis  
*Pithomyces sacchari* (Spegazzini) M.B. Ellis  
*Rhinocladiella atrovirens* Nannfeldt  
*Rhizomucor pusillus* (Lindt) Schipper  
*Rhizopus microsporus* var *microsporus* v. Tiegh  
*Rhizopus microsporus* var *oligosporus* (Saito) Schipper and Stalpers  
*Rhizopus oryzae* Went & Prinsen Geerlings BGA  
*Rhizopus oryzae* Went & Prinsen Geerlings BGB  
*Rhizopus oryzae* Went & Prinsen Geerlings BGC  
*Rhizopus sexualis* var *sexualis* (G. Sm.) Callen  
*Rhizopus stolonifer* var *stolonifer* (Ehrenb.-Fr.) Lindner BGA  
*Rhizopus stolonifer* var *stolonifer* (Ehrenb.-Fr.) Lindner BGB

## FILAMENTOUS FUNGI

*Rhodotorula aurantica* (Saito) Lodder

*Rhodotorula minuta* var *minuta* (Saito) F.C. Harrison

*Rhodotorula mucilaginoso* var *mucilaginoso* (A.Jšrg) F.C. Harrison BGA

*Rhodotorula mucilaginoso* var *mucilaginoso* (A.Jšrg) F.C. Harrison BGB

*Rhodotorula muscorum* (di Menna) von Arx & Weijman

*Saccharomyces bayanas* Sacc.

*Saccharomyces cerevisiae* var *cerevisiae* Meyen ex E.C. Hanson BGA (anam. *Candida robusta*)

*Saccharomyces cerevisiae* var *cerevisiae* Meyen ex E.C. Hanson BGB (anam. *Candida robusta*)

*Saccharomyces cerevisiae* var *cerevisiae* Meyen ex E.C. Hanson BGC

*Saccharomyces cerevisiae* var *cerevisiae* Meyen ex E.C. Hanson BGD

*Saccharomyces cerevisiae* var *cerevisiae* Meyen ex E.C. Hanson BGE (anam. *Candida robusta*)

*Saccharomyces cerevisiae* var *cerevisiae* Meyen ex E.C. Hanson BGF (anam. *Candida robusta*)

*Saccharomyces cerevisiae* var *cerevisiae* Meyen ex E.C. Hanson BGG (anam. *Candida robusta*)

*Schizosaccharomyces octosporus* var *octosporus* Beijerinck (*Octosporomyces octosporus*)

*Schizosaccharomyces pombe* var *pombe* Lindler

*Scopulariopsis asperula* (Saccardo) Hughes

*Scopulariopsis brevicaulis* (Saccardo) Bainier BGA

*Scopulariopsis brevicaulis* (Saccardo) Bainier BGB

*Scopulariopsis brumptii* Salvanet-Duval

*Scopulariopsis candida* (Gužguen) Vuill.

*Scopulariopsis chartarum* (G. Smith) Morton & G. Smith BGA

*Scopulariopsis chartarum* (G. Smith) Morton & G. Smith BGB

*Scopulariopsis fusca* Zach BGA

*Scopulariopsis fusca* Zach BGB

*Sistotrema brinkmannii* (Bresadola) John Eriksson

*Sistotrema raduloides* (Karsten) Donk

*Sporobolomyces roseus* var *roseus* Kluyver & Van Niel

*Sporopachydermia ceriana* Rodrigues de Miranda

*Sporothrix schenckii* var *schenckii* Kekoeten & Perkins

*Stachybotrys bisbyi* (Srinavesan) Barron

*Stachybotrys chartarum* (Ehrenberg) Hughes

*Stachybotrys cylindrospora* C.N. Jensen

*Sterigmatomyces elviae* Sonck & Yarrow

*Sterigmatomyces halophilus* var *halophilus* Fell

*Synccephalastrum racemosum* Cohn ex Schroeter

*Talaromyces bacillisporus* C.R. Benjamin (anam. *Penicillium bacillisporum*)

*Talaromyces flavus* var *flavus* (Klocker) Stolk & Samson (anam. *Penicillium vermiculatum*)

*Talaromyces macrosporus* (Stolk & Samson) Frisvad et al. (anam. *Penicillium dangesrdii*)

*Thamnidium elegans* Link:Fries

*Tilletiopsis albescens* Gokhale

*Torula herbarum* Link: Fries

*Torulomyces lagena* Delitsch (*Penicillium lagena*)

*Torulaspora delbrueckii* (Lindner) Lindner (anam. *Candida colliculosa*)

*Trichoderma asperellum* Sammuels, Lieckfeldt & Nirenberg

*Trichoderma atroviride* Karsten BGA

*Trichoderma atroviride* Karsten BGB

*Trichoderma atroviride* Karsten BGC

*Trichoderma citrinoviride* Bissett BGA (teleo. *Hypocrea schweinitzii*)

*Trichoderma citrinoviride* Bissett BGB (teleo. *Hypocrea schweinitzii*)

*Trichoderma citrinoviride* Bissett BGC (teleo. *Hypocrea schweinitzii*)

*Trichoderma citrinoviride* Bissett BGD (teleo. *Hypocrea schweinitzii*)

*Trichoderma crassum* Bissett

*Trichoderma fasciculatum* Bissett

*Trichoderma fertile* Bissett

*Trichoderma ghanense* Y. Doi, Y. Abe & J. Sugiyama

*Trichoderma hamatum* (Bonorden) Bainier

*Trichoderma harzianum* Rifai BGA

*Trichoderma harzianum* Rifai BGB

*Trichoderma harzianum* Rifai BGC

*Trichoderma koningii* Oudemans BGA (teleo. *Hypocrea koningii*)

*Trichoderma koningii* Oudemans BGB (teleo. *Hypocrea koningii*)

*Trichoderma longibrachiatum* Rifai BGA

*Trichoderma longibrachiatum* Rifai BGB

*Trichoderma longibrachiatum* Rifai BGC

*Trichoderma longibrachiatum* Rifai BGD

*Trichoderma longibrachiatum* Rifai BGE

*Trichoderma minutisporum* Bissett

*Trichoderma oblongisporum* Bissett

*Trichoderma piluliferum* Webster & Rifai (teleo. *Hypocrea pilulifera*)

*Trichoderma polysporum* (Link:Fries) Rifai

*Trichoderma pseudokoningii* Rifai (teleo. *Hypocrea pseudokoningii*)

*Trichoderma reesei* Simmons BGA (teleo. *Hypocrea jecorina*)

*Trichoderma reesei* Simmons BGB (teleo. *Hypocrea jecorina*)

*Trichoderma saturnisporum* Hammill

*Trichoderma spirale* Bissett

*Trichoderma strictipile* Bissett

*Trichoderma strigosum* Bissett

*Trichoderma tomentosum* Bissett

*Trichoderma virens* (Miller et al.) von Arx BGA

*Trichoderma virens* (Miller et al.) von Arx BGB

*Trichoderma viride* Persoon:Fries BGA

*Trichoderma viride* Persoon:Fries BGB

*Trichothecium roseum* (Persoon:Fries) Link

*Trichurus spiralis* Hasselbring BGA

*Trichurus spiralis* Hasselbring BGB

*Tritirachium oryzae* (Vincens) de Hoog

*Ulocladium atrum* Preuss

*Ulocladium botrytis* Preuss BGA

*Ulocladium botrytis* Preuss BGB

*Ulocladium chartarum* (Preuss) Simmons

*Ustilago maydis* (de Candolle) Corda

*Wallemia sebi* (Fries) von Arx

*Williopsis saturnus* var *saturnus* (Klocker) Zender

*Yarrowia lipolytica* (Wickerham et al.) Vander Walt & von Arx (anam. *Candida lipolytica*)

*Zygorhynchus moelleri* Vuillemin

*Zygosaccharomyces bailii* var *bailii* (Lindner) Guilliermond

*Zygosaccharomyces rouxii* (Boutroux) Yarrow

*Zygosporium mycophilum* (Vuillemin) Saccardo

## Microbial Identification Databases

Biolog microbial testing is performed in a convenient pre-filled microplate format to measure metabolic reactions. The characteristic metabolic pattern or “fingerprint” generated by an unknown organism is recorded and compared to hundreds of identification profiles in a corresponding Biolog Database. Databases are periodically updated to reflect the newest taxonomy, incorporate additional organisms, and add additional capabilities to meet our customers’ ongoing needs.

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Cat #	Description
22730D	GEN III Database for Gram-negative & Gram-positive aerobic bacteria
22607D	AN Database for Anaerobic bacteria
22605D	YT Database for Yeasts
22606D	FF Database for Filamentous Fungi

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