

**Microbial Bio Diversity  
Research Lead office**

One of the Research Lead office in the institute mandated for exploration, documentation, conserving sustainable utilizing and access for benefit sharing for microbial genetic resource of the country. Microorganisms have great value of mankind because they benefits agriculture, industry, medicine & environment in various ways. A rich microbial diversity is anticipated in the country but a lack of adequate attention and skilled experts hampers the discovery and utilization of microbial genetic resource in organized ways. Microbial Biodiversity RLO strengthen partially in expertise and materials beginning from 2004 E.C. Currently the RLO has 5 case team (Research unit) Bacteria BDGC, Fungus BDGC, Algae BDGC, Protozoa& Virus BDGC, Microbial Gene bank case team.

**Current status of Microbial culture collection**

EX-situ – Conservation  
Bacteria=(872) ,Fungi=(390),  
Microalgae=50 Total= 1,312

Anyone can use conserved microbial genetic resources to pursue research and development following institutional procedures.

**Bacteria in Gene Bank**

- Achromobacter cholinophagum*
- Achromobacter cholinophagum*
- Achromobacter cholinophagum (LID)*
- Achromobacter piechaudii*
- Achromobacter piechaudii*
- Acidisphaera rubrifaciens (EF029087)*

*Acidithiobacillus ferrooxidans (AF387301)* *Aerothermobacter marianas (AB011495)*

*Acidovorax delafieldi Lid 16-GN* *ALIDO*  
*Acinetobacter baumannii /geospecies 14 (LID) =*  
*80ii-vhita lake -2GN-acike*  
*Acinetobacter baumannii/ geospecies 24.06 01-*  
*sool shala*

- Acinetobacter bereziniae*
- Acinetobacter calcoaceticus geospecies*
- Acinetobacter geospecies 15TU*
- Acinetobacter guillouiae*
- Acinetobacter guillouiae*
- Acinetobacter guillouiae*
- Acinetobacter johnsonii (AB099655)*
- Acinetobacter lwoffii*
- Acrocarpospora sp. (AF498707)*
- Actinobacillus capsulatus*
- Actinobacillus capsulatus*
- Actinobacillus capsulatus*
- Actinobacillus salphingitis (LID)*
- Actinobacterium MS170 (EU1992340)*
- Actinobacterium WJ25 (AY495954)*
- Actinomyces meyeri*
- Actinomyces europacea*
- Actinomyces graevenitzii*
- Actinomyces myeri (LID)*
- Actinomyces slackii*
- Actinomyces turicensis*
- Actinoplanes globisporus (AB037003)*
- Actinosingapura polymorpha (AF237815)*
- Aeromonas bestiarum*
- Aeromonas encheleia (LID)*
- Aeromonas hydrophila DNA group 1*

- Alcaligenes faecalis ssp. faecalis*
- Alcaligenes faecalis ssp. faecalis*
- Anaeromyxobacter sp. (CP000769)*
- Arcanobacterium bernardiae*
- Arcanobacterium bernardiae*
- Arcanobacterium bernardiae (CDC. 2)*
- Arcanobacterium bernardiae (CDC.2)*
- Arcanobacterium bernardiae (CDC.2) (LID)*
- Arcanobacterium pyogenes*
- Arcanobacterium pyogenes*
- Archmobacter denitrificans*
- Arthrobacter atrocyaneus (AY605543)*
- Azospira restricta (DQ974114)*
- Azospirillum sp. (AB114191)*
- Bacillus ginseng*
- Bacillus acidicola*
- Bacillus agaradhaerens*
- Bacillus alcalophilus*
- Bacillus alcalophilus*
- Bacillus amyloliquefaciens*
- Bacillus anthracis subgroup A (LID)*
- Bacillus anthracis subgroup A (LID)*
- Bacillus anthracis subgroup A (PID)*
- Bacillus anthracis subgroup B*
- Bacillus anthracis subgroup C (PID)*
- Bacillus anthracis subgroup D (PID)*
- Bacillus arsenicus*

- Bacillus butanolivorans*
- Bacillus butanolivorans*
- Bacillus butanolivorans*
- Bacillus butanolivorans*
- Bacillus cereus*
- Bacillus cereus /thuringiensis*
- Bacillus cereus/mycoides*
- Bacillus cereus/pseudomycoides*
- Bacillus cereus/pseudomycoides*
- Bacillus cereus/thuringiensis*
- Bacillus cereus/thuringiensis*
- Bacillus cereus/thuringiensis A*
- Bacillus cereus/thuringiensis A*
- Bacillus cereus/thuringiensis B*
- Bacillus cereus/thuringiensis B*
- Bacillus cereus/thuringiensis C (LID)*
- Bacillus cereus/thuringiensis C (LID)*
- Bacillus cereus/weihenstephanensis*
- Bacillus cereus/weihenstephanensis*
- Bacillus cerues/thuringiensis*
- Bacillus cibi*
- Bacillus cibi*
- Bacillus cibi*
- Bacillus coagulans*
- Bacillus endophyticus*
- Bacillus endophyticus*
- Bacillus endophyticus*

- Bacillus endophyticus (LID)*
- Bacillus farraginis*
- Bacillus farraginis*
- Bacillus fastidiosus (LID)*
- Bacillus flexus*
- Bacillus flexus*
- Bacillus hwajinpoensis*
- Bacillus hwajinpoensis (LID)*
- Bacillus indicus*
- Bacillus licheniformis*
- Bacillus licheniformis*
- Bacillus licheniformis*
- Bacillus macauensis*
- Bacillus macauensis (LID)*
- Bacillus marisflavi*
- Bacillus marisflavi*
- Bacillus marisflavi*
- Bacillus maroccanus*
- Bacillus maroccanus*
- Bacillus megaterium*
- Bacillus megaterium (LID)*
- Bacillus megaterium A (LID)*
- Bacillus megaterium A (LID)*
- Bacillus mycoides (LID)*
- Bacillus odyssey*
- Bacillus okuhidensis*
- Bacillus pumilus*
- Bacillus pumilus*
- Bacillus pumilus*

<i>Bacillus qingdaonensis</i>	<i>Brachybacterium tyrofermentans</i>	<i>Campylobacter jejuni</i>	<i>Clavibacter agropyri</i>	<i>Corynebacterium nitrolophilus</i>
<i>Bacillus qingdaonensis</i>	<i>Brevibacterium liquefaciens</i>	<i>Campylobacter jejuni</i>	<i>Clavibacter michiganis</i>	<i>Corynebacterium nitrolophilus (LID)</i>
<i>Bacillus qingdaonensis</i>	<i>Brevibacterium mcbrellneri</i>	<i>Candidatus Nitrososphaera gargensis (EU280125)</i>	<i>Clavibacter/Corynebacterium agropyri</i>	<i>Corynebacterium nitrolophilus (LID)</i>
<i>Bacillus silvestris</i>	<i>Brevibacterium otitidis</i>	<i>Candidatus Nitrospira bockiana (EU084879)</i>	<i>Clavibacter/Corynebacterium agropyri</i>	<i>Corynebacterium phocae</i>
<i>Bacillus silvestris</i>	<i>Brevibacterium otitidis</i>	<i>Carnobacterium mobile</i>	<i>Clavibacter/Corynebacterium agropyri</i>	<i>Corynebacterium urealyticum</i>
<i>Bacillus simplex</i>	<i>Brevibacterium otitidis (LID)</i>	<i>Catonella morbi (LID)</i>	<i>Clavibacter/Corynebacterium agropyri</i>	<i>Corynebacterium urealyticum (LID)</i>
<i>Bacillus subtilis B (LID)</i>	<i>Brevibacterium otitidis (LID)</i>	<i>Catonella morbi (LID)</i>	<i>Clavibacter/Corynebacterium agropyri</i>	<i>Cronobacter sakazakii</i>
<i>Bacillus subtilis/ mojavensis</i>	<i>Brevundimonas vesicularis</i>	CDC group 11 E A	<i>Clostridium scatologenes (LID)</i>	<i>Cupriavidus necator (AM260480)</i>
<i>Bacillus subtilis/atrophaeus (LID)</i>	<i>Brevundimonas vesicularis (LID)</i>	CDC group EF- 4 (Nesseria) (LID)	<i>Clostridium aminovalericum (LID)</i>	<i>Cupriavidus pauculus</i>
<i>Bacillus subtilis/mojavensis</i>	<i>Brochothrix campestris</i>	<i>Cellulomonas flavigena (LID)</i>	<i>Clostridium/Eubacterium sp.</i>	<i>Curtobacterium flaccumfaciens</i>
<i>Bacillus subtilis/mojavensis</i>	<i>Brochothrix thermosphacta</i>	<i>Cellulosimicrobium cellulans</i>	<i>Clostridium/Eubacterium sp.</i>	<i>Cytophaga fermentans (LID)</i>
<i>Bacillus vallismortis</i>	<i>Brochothrix thermosphacta</i>	<i>Cellulosimicrobium cellulans (LID)</i>	<i>Clostridium/Eubacterium sp.</i>	<i>Cytophaga fermentans (LID)</i>
<i>Bacillus vallismortis</i>	<i>Burkholderia cepacia</i>	<i>Cellulosimicrobium cellulans (LID)</i>	<i>Clostridium/Eubacterium sp.</i>	<i>Cytophaga fermentans (LID)</i>
<i>Bacillus vallismortis (LID)</i>	<i>Burkholderia cepacia</i>	<i>Cellvibrio fibrivorans (AB332414)</i>	<i>Clostridium/Eubacterium sp.</i>	<i>Deinococcus radiopugnans</i>
<i>Bacteriodes thetaiotaomicron (LID)</i>	<i>Burkholderia cepacia (LID)</i>	<i>Cepacia sp. (AY557616)</i>	<i>Clostridium/Eubacterium sp.</i>	<i>Deinococcus radiopugnans</i>
<i>Bacterioides thetaiotaomicron (LID)</i>	<i>Burkholderia coryophyllii</i>	<i>Chryseobacterium gleum/indologenes</i>	<i>Clostridium/Eubacterium sp.</i>	<i>Delftia acidovorans</i>
<i>Bacteriovorax sp. (AY294220)</i>	<i>Burkholderia gladioli</i>	<i>Chryseobacterium /gleum/ indologenes</i>	<i>Clostridium/Eubacterium sp. (LID)</i>	<i>Delftia tsuruhatensis</i>
<i>Bacteroides caccae (LID)</i>	<i>Burkholderia gladioli (LID)</i>	<i>Chryseobacterium gleum /indologenes</i>	<i>Comamonas testosterone</i>	<i>Dendrosporobacter quercicolus</i>
<i>Bacteroides forsythus</i>	<i>Burkholderia glathei (LID)</i>	<i>Chryseobacterium gleum/indologenes (LID)</i>	<i>Corynebacterium afermentans ssp. afermentans (LID)</i>	<i>Delftia</i>
<i>Bacteroides forsythus</i>	<i>Burkholderia glumae (LID)</i>	<i>Chryseobacterium indoltheticum (LID)</i>	<i>Corynebacterium ammoniagenes</i>	<i>Dermacoccus nishinomiyaensis (LID)</i>
<i>Bacteroides forsythus</i>	<i>Burkholderia glumae (LID)</i>	<i>Chryseobacterium scophthalmum</i>	<i>Corynebacterium freneyi</i>	<i>Desulfacinum sp. (AF170418)</i>
<i>Bcillus cibi</i>	<i>Burkholderia glumae (LID)</i>	<i>Citrobacter amalonaticus</i>	<i>Corynebacterium freneyi</i>	<i>E. coli O157:H7</i>
<i>Bcillus amyloliquefaciens</i>	<i>Burkholderia glumae (LID)</i>	<i>Citrobacter freundii</i>	<i>Corynebacterium freneyi</i>	<i>Enterococcus gallinarum (LID)</i>
<i>Brevibacterium liquefaciens (LID)</i>	<i>Burkholderia glumae (LID)</i>	<i>Citrobacter freundii</i>	<i>Corynebacterium freneyi</i>	<i>Enteribacter nimipressuralis</i>
<i>Brevibacterium otitidis</i>	<i>Burkholderia pyrrocinia</i>	<i>Citrobacter freundii (LID)</i>	<i>Corynebacterium freneyi (LID)</i>	<i>Enterobacter aerogenes</i>
<i>Bifidobacterium adolescentis</i>	<i>Butyrivibrio fibrisolvens (LID)</i>	<i>Citrobacter gillenii</i>	<i>Corynebacterium glucuronolyticum</i>	<i>Enterobacter aerogenes (Klebsiella mobilis)</i>
<i>Bordetella bronchiseptica</i>	<i>Buttiauxella agrestis</i>	<i>Citrobacter gillenii</i>	<i>Corynebacterium jeikeium (LID)</i>	<i>Enterobacter aerogenes (Klebsiella mobilis)</i>
<i>Bordetella hinzii</i>	<i>Buttiauxella agrestis</i>	<i>Citrobacter koseri/youngae</i>	<i>Corynebacterium lipophiloflavum</i>	<i>Enterobacter aerogenes (Klebsiella mobilis)</i>
<i>Bordetella trematum</i>	<i>Buttiauxella agrestis</i>	<i>Citrobacter sp.</i>	<i>Corynebacterium lipophiloflavum</i>	<i>Enterobacter amnigenus</i>
<i>Bosea sp. (AJ968693)</i>	<i>Campylobacter coli</i>	<i>Citrobacter werkmani</i>	<i>Corynebacterium mastitidis (LID)</i>	<i>Enterobacter asburiae</i>

<i>Enterobacter asburiae</i>	<i>Enterobacter cloacae ssp. dissolvens</i>	<i>Escherichia coli inactive</i>	<i>Escherichia vulneris (LID)</i>	<i>Jonesia denitrificans</i>
<i>Enterobacter cloacae</i>	<i>Enterococcus casseliflavus</i>	<i>Escherichia coli non-toxicogenic</i>	<i>Eubacterium fissicatena</i>	<i>Kaistobacter terrae (AB258386)</i>
<i>Enterobacter cloacae (LID)</i>	<i>Enterococcus mundtii</i>	<i>Escherichia coli O111: H- or O111:H8</i>	<i>Eubacterium fissicatena</i>	<i>Kibdelosporangium aridum (AJ311174)</i>
<i>Enterobacter cloacae ss dissolvens</i>	<i>Eremococcus coleocola</i>	<i>Escherichia coli O157 BO.AA</i>	<i>Ferrimicrobium acidiphilum (AF251436, AY671869)</i>	<i>Klebsiella oxyloca</i>
<i>Enterobacter cloacae ss dissolvens</i>	<i>Eremococcus coleocola (LID)</i>	<i>Escherichia coli O157 BO.AA</i>	<i>Filifactor villosus</i>	<i>Klebsiella pneumonia ssp. pneumoniae</i>
<i>Enterobacter cloacae ss dissolvens</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 BO.AA</i>	<i>Flavimonas oryzihabitans</i>	<i>Klebsiella oxytoca</i>
<i>Enterobacter cloacae ssp. dissolvens</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 BO.AA</i>	<i>Flavimonas oryzihabitans (LID)</i>	<i>Klebsiella oxytoca</i>
<i>Enterobacter cloacae ssp. dissolvens</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 BO.AA</i>	<i>Flavobacterium ferrugineum (LID)</i>	<i>Klebsiella pneumonia ssp. pneumonia</i>
<i>Enterobacter cloacae ssp. dissolvens</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 BO.AA</i>	<i>Flavobacterium ferrugineum (LID)</i>	<i>Klebsiella sp.</i>
<i>Enterobacter cowanii</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 CA.AA</i>	<i>Flavobacterium ferrugineum (LID)</i>	<i>Kluyvera ascorbata</i>
<i>Enterobacter cowanii</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 CA.AA</i>	<i>Flavobacterium rugineum (LID)</i>	<i>Kocuria kristinae (LID)</i>
<i>Enterobacter gergoviae (LID)</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 CA.AA</i>	<i>Flexibacter filiformis (AB078049)</i>	<i>Lactobacillus plantarum</i>
<i>Enterobacter intermedius (LID)</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 CA.AA</i>	<i>Flexibacter sancti (AB078068)</i>	<i>Lactobacillus aviaries ss aviaries</i>
<i>Enterococcus avium (45A)</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 CA.AA</i>	<i>Flexibacter tractuosus (AB078072)</i>	<i>Lactobacillus buchneri</i>
<i>Enterococcus durans</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 CA.AA</i>	<i>Frankia sp. (CP000820)</i>	<i>Lactobacillus coryniformis ssp. torquens</i>
<i>Enterococcus durans</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 CA.AA</i>	<i>Fusobacterium necrogenes (LID)</i>	<i>Lactobacillus delbrueckii ssp. lactis</i>
<i>Enterococcus faecalis</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 OV.AA</i>	<i>Geobacillus thermoglucosidasius</i>	<i>Lactobacillus delbrueckii ssp. lactis</i>
<i>Enterococcus faecalis</i>	<i>Escherichia coli</i>	<i>Escherichia coli O157 OV.AA</i>	<i>Geothrix fermentans (U41563)</i>	<i>Lactobacillus mali</i>
<i>Enterococcus faecalis (LID )</i>	<i>Escherichia coli O157:H7</i>	<i>Escherichia coli O157 OV.AA</i>	<i>Glaciecola sp. (DQ659447)</i>	<i>Lactobacillus plantarum</i>
<i>Enterococcus faecium</i>	<i>Escherichia coli (LID)</i>	<i>Escherichia coli O157 OV.AA</i>	<i>Gordonia amicalis (LID)</i>	<i>Lactococcus garvieae</i>
<i>Enterococcus faecium</i>	<i>Escherichia coli (USP5-7085)</i>	<i>Escherichia coli O157 OV.AA</i>	<i>Gordonia hirsute</i>	<i>Lactococcus lactis ss lactis</i>
<i>Enterococcus gallinarum</i>	<i>Escherichia coli (USP5-7085)</i>	<i>Escherichia coli O157 OV.AA</i>	<i>Gordonia rubropertincta (LID)</i>	<i>Lactococcus raffinolactis (LID)</i>
<i>Enterococcus gallinarum</i>	<i>Escherichia coli O157:H7</i>	<i>Escherichia coli O157 OV.AA</i>	<i>Gordonia sputi (LID)</i>	<i>Leifsonia aquatica</i>
<i>Enterococcus gallinarum</i>	<i>Escherichia coli O157:H7</i>	<i>Escherichia coli O157:H7</i>	<i>Gordonia sputi (LID)</i>	<i>Leptolyngbya sp. (DQ786166)</i>
<i>Enterococcus haemoperoiduus</i>	<i>Escherichia coli O157:H7</i>	<i>Escherichia coli O157:H7 glucuronidase positive</i>	<i>Gluconobacter halotolerans</i>	<i>Leuconostoc citreum (LID)</i>
<i>Enterococcus haemoperoxidus</i>	<i>Escherichia coli O157:H7</i>	<i>Escherichia coli O157:H7 glucuronidase positive</i>	<i>Gluconophilus parainfluenzae (EU083530)</i>	<i>Leuconostoc gelidum</i>
<i>Enterococcus sulfureus</i>	<i>Escherichia coli O157:H7</i>	<i>Escherichia coli O26:H11</i>	<i>Hafnia alvei</i>	<i>Leuconostoc lactis (LID)</i>
<i>Enterobacter aerogenes</i>	<i>Escherichia coli O157:H7</i>	<i>Escherichia coli O48:H21</i>	<i>Haliangium tepidum (AB062751)</i>	<i>Leuconostoc mesenteroides ss mesenteroides</i>
<i>Enterobacter amnigenus</i>	<i>Escherichia coli O157:H7</i>	<i>Escherichia hermanni</i>	<i>Halobacillus karajensis</i>	<i>Leuconostoc mesenteroides ssp. dextranicum (L)</i>
<i>Enterobacter cloacae ssp. dissolvens</i>	<i>Escherichia coli O157:H7</i>	<i>Escherichia hermannii</i>	<i>Hydrogenophaga taeniospiralis (LID)</i>	<i>Limnobacter sp. (EF540452)</i>

<i>Longilinea arvoryzae</i> (AB243673)	<i>Nocardioides</i> sp. (EF623863)	<i>Parvularcula</i> sp. (EU346850)	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas fluorescens</i> biotype G
<i>Lysinibacillus spaericus</i>	<i>Nocardia shimofusensis</i> (LID)	<i>Pasteurella aerogenes</i>	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas fluorescens</i> biotype G
<i>Lysobacter taiwanensis</i> (DQ323664)	<i>Ochrobactrum tritici</i>	<i>Pasteurella multocida</i> ssp. <i>multocida</i> (LID)	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas fluorescens</i> biotype G
<i>Megasphaera elsdenii</i> (LID)	<i>Ornithobacterium rhinotracheale</i>	<i>Pectobacterium cypripedii</i>	<i>Pseudomonas alcaligenes</i>	<i>Pseudomonas fluorescens</i> biotype G (LID)
<i>Mesorhizobium</i> sp. (CP000390)	<i>Paenibacillu sanguinis</i>	<i>Pediococcus pentosaceus</i> (LID)	<i>Pseudomonas alcaligenes</i>	<i>Pseudomonas fluorescens</i> biotype G (LID)
<i>Methylobacterium</i> sp. (DQ838528)	<i>Paenibacillus harenae</i>	<i>Pediococcus urinaeequi</i>	<i>Pseudomonas asplenii</i>	<i>Pseudomonas fluorescens</i> biotype G (LID)
<i>Microbacterium flavescens</i> (LID)	<i>Paenibacillus hodogayensis</i>	<i>Pedobacter heparinus</i> (LID)	<i>Pseudomonas bathycetes</i>	<i>Pseudomonas fluorescens</i> biotype G
<i>Microbacterium imperiale</i>	<i>Paenibacillus macerans</i>	<i>Pedobacter heparinus</i> (LID)	<i>Pseudomonas chloraphis</i> ss <i>aurantiaca</i>	<i>Pseudomonas fluorescens</i>
<i>Microbacterium</i> sp. (AY547556)	<i>Paenibacillus pabuli</i>	<i>Peptostreptococcus barnesae</i> (LID)	<i>Pseudomonas chlororaphis</i> (fluor biotype)	<i>Pseudomonas fragi</i>
<i>Microbacterium</i> sp. (CDC.A.4)	<i>Paenibacillus polymyxa</i>	<i>Phenylobacterium lituiforme</i> (AY534887)	<i>Pseudomonas chlororaphis</i> ss <i>aurantiaca</i>	<i>Pseudomonas fulva</i>
<i>Microbacterium</i> spp. (CDC.A-4)	<i>Paenibacillus stellifer</i>	<i>Phenylobacterium</i> sp. (AM411917)	<i>Pseudomonas chlororaphis</i> ssp. <i>aurantiaca</i>	<i>Pseudomonas fulva</i>
<i>Microbacterium terregens</i>	<i>Paenibacillus tarimensis</i>	<i>Pleurocapsa</i> sp. (DQ293994, DQ658927)	<i>Pseudomonas chlororaphis</i> ssp. <i>aurantica</i>	<i>Pseudomonas fuscovagina</i>
<i>Microbacterium terregens</i>	<i>Paenibacillus tundre</i>	<i>Porphyromonas asaccharolytica</i>	<i>Pseudomonas cichorii</i>	<i>Pseudomonas lundensis</i>
<i>Microbacterium terregens</i> (LID)	<i>Paenibacillus validus</i> (LID)	<i>Prevotella melaninogenica</i> (AY323525)	<i>Pseudomonas citronellolis</i> (LID)	<i>Pseudomonas lundensis</i>
<i>Micrococcus luteus</i> A	<i>Paenibacillus wynnii</i>	<i>Propionibacterium acidi</i>	<i>Pseudomonas corrugata</i>	<i>Pseudomonas maculicola</i>
<i>Micrococcus luteus</i>	<i>Pantoea agglomerans</i>	<i>Propionibacterium acidipropionici</i> (LID)	<i>Pseudomonas corrugata</i>	<i>Pseudomonas marginalis</i>
<i>Micrococcus luteus</i> (ATCC 9341) (LID)	<i>Pantoea stewartii</i> ssp. <i>stewartii</i>	<i>Propionibacterium acnes</i>	<i>Pseudomonas corrugata</i>	<i>Pseudomonas marginalis</i>
<i>Micrococcus luteus</i> (ATCC9341)	<i>Pantoea agglomerans</i>	<i>Propionibacterium acnes</i>	<i>Pseudomonas corrugata</i>	<i>Pseudomonas mendocina</i>
<i>Mycobacterium aichiense</i>	<i>Pantoea agglomerans</i>	<i>Propionibacterium acnes</i> (AE017283)	<i>Pseudomonas fluorescens</i>	<i>Pseudomonas mendocina</i>
<i>Mycobacterium confluentis</i>	<i>Pantoea agglomerans</i>	<i>Propionibacterium jensenii</i>	<i>Pseudomonas fluorescens</i>	<i>Pseudomonas mendocina</i>
<i>Mycobacterium confluentis</i> (LID)	<i>Pantoea agglomerans</i>	<i>Proteus mirabilis</i>	<i>Pseudomonas fluorescens</i>	<i>Pseudomonas mendocina</i>
<i>Mycobacterium extroguens</i>	<i>Pantoea agglomerans</i>	<i>Proteus mirabilis</i>	<i>Pseudomonas fluorescens</i>	<i>Pseudomonas mephitica</i> (LID)
<i>Mycobacterium hassiacum</i>	<i>Pantoea agglomerans</i>	<i>Proteus mirabilis</i>	<i>Pseudomonas fluorescens</i>	<i>Pseudomonas nitroreducens/azelaica</i>
<i>Mycobacterium hassiacum</i> (LID)	<i>Pantoea agglomerans</i> bgp 5	<i>Proteus penneri/vulgaris</i>	<i>Pseudomonas fluorescens</i>	<i>Pseudomonas putida</i>
<i>Mycobacterium mucogenicum</i>	<i>Pantoea agglomerans</i> bgp 5	<i>Proteus penneri/vulgaris</i>	<i>Pseudomonas fluorescens</i>	<i>Pseudomonas putida</i>
<i>Mycobacterium</i> sp. (DQ083240)	<i>Pantoea agglomerans</i> pgp5	<i>Providencia rettgeri</i>	<i>Pseudomonas fluorescens</i>	<i>Pseudomonas putida</i>
<i>Mycobacterium vaccae</i>	<i>Pantoea dispersa</i>	<i>Pseudomonas putida</i> biotype B	<i>Pseudomonas fluorescens</i> (LID)	<i>Pseudomonas putida</i>
<i>Mycobacterium vaccae</i>	<i>Pantoea dispersa</i>	<i>Pseudomonas putida</i> biotype A	<i>Pseudomonas fluorescens</i> biotype A(LID)	<i>Pseudomonas putida</i>
<i>Mycobacterium vaccae</i>	<i>Pantoea dispersa</i>	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas fluorescens</i> biotype G	<i>Pseudomonas putida</i> biotype B
<i>Nocardia cerradoensis</i>	<i>Paracoccus</i> sp. (AM084041)	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas fluorescens</i> biotype G	<i>Pseudomonas putida</i> (CP000926)

<i>Pseudomonas putida</i> biotype A	<i>Pseudomonas tolaasii</i>	<i>Rhodococcus australis</i>	<i>Serratia liquefaciens/grimessi</i>	<i>Sphingomonas macrogoltabidus</i> (LID)
<i>Pseudomonas putida</i> biotype B	<i>Pseudomonas tolaasii</i>	<i>Rhodococcus coprophilus</i> (LID)	<i>Serratia marcescens</i> ss <i>marcescens</i>	<i>Sphingomonas macrogoltabidus</i> (LID)
<i>Pseudomonas putida</i> biotype B	<i>Pseudomonas viridilivida</i>	<i>Rhodococcus corynebacteriodes</i>	<i>Serratia marcescens</i> ss <i>marcescens</i>	<i>Sphingomonas macrogoltabidus</i> (LID)
<i>Pseudomonas putida</i> biotype B	<i>Pseudomonas viridilivida</i>	<i>Rhodococcus rhodnii</i> (LID)	<i>Serratia marcescens</i> ss <i>marcescens</i>	<i>Sphingomonas macrogoltabidus</i> (LID)
<i>Pseudomonas putida</i> biotype B	<i>Pseudomonas viridilivida</i>	<i>Rhodococcus rhodochrous</i> (LID)	<i>Serratia marcescens</i> ss <i>marcescens</i>	<i>Sphingomonas macrogoltabidus</i> (LID)
<i>Pseudomonas putida</i> biotype B	<i>Pseudomonas viridilivida</i>	<i>Rhodococcus rhodochrous</i> (LID)	<i>Serratia marcescens</i> ss <i>marcescens</i>	<i>Sphingomonas parapaucimobilis</i> (LID)
<i>Pseudomonas putida</i> biotype B	<i>Pseudomonas viridilivida</i>	<i>Rhodococcus rhodococcus</i>	<i>Serratia odorifera</i>	<i>Sphingomonas sanguinis</i>
<i>Pseudomonas putida</i> biotype B	<i>Pseudomonas viridilivida</i>	<i>Rhodococcus rhodococcus</i>	<i>Serratia odorifera</i>	<i>Sphingomonas yanoikuyae</i> (LID)
<i>Pseudomonas putida</i> biotype B	<i>Pseudomonas viridilivida</i> (LID)	<i>Rhodoplanes elegans</i> (AF487437)	<i>Serratia plymuthica</i>	<i>Sphingomonas yanoikuyae</i> (LID)
<i>Pseudomonas putida</i> biotype B	<i>Pseudonocardia</i> sp. (DQ448727, EU274355)	<i>Rhodothermus marinus</i> (X80994)	<i>Serratia plymuthica</i>	<i>Sporosarcina koreensis</i>
<i>Pseudomonas putida</i> biotype B	<i>Pseudomonas spinosa</i> ( <i>Burkholderia</i> ) (LID)	<i>Roseiflexus castenholzii</i> (CP000804)	<i>Serratia plymuthica</i>	<i>Sporosarcina pasteurii</i>
<i>Pseudomonas resinovorans</i>	<i>Rahnella aquatilis</i>	<i>Roseomonas cervicalis</i> (LID)	<i>Serratia plymuthica</i>	<i>Staphylococcus sciuri</i> ss <i>sciuri</i>
<i>Pseudomonas resinovorans</i> (LID)	<i>Rahnella aquatilis</i>	<i>Roseomonas gilardii</i> ssp. <i>gilardii</i> (LID)	<i>Serratia plymuthica</i>	<i>Staphylococcus xylosum</i>
<i>Pseudomonas</i> sp.	<i>Ralstonia paucula</i> (LID)	<i>Ruminococcus flavefaciens</i> (CC820600)	<i>Serratia plymuthica</i>	<i>Staphylococcus saccharolyticus</i> (LID)
<i>Pseudomonas</i> sp. (EF198249)	<i>Ralstonia pickettii</i>	<i>Salmonella arizonae</i>	<i>Serratia plymuthica</i>	<i>Staphylococcus aureus</i> (MRSA)
<i>Pseudomonas stutzeri</i>	<i>Ralstonia pickettii</i>	<i>Salmonella choleraesuis</i> (LID)	<i>Serratia plymuthica</i>	<i>Staphylococcus aureus</i> ssp. <i>aureus</i>
<i>Pseudomonas synxantha</i>	<i>Raoultella terrigena</i>	<i>Salmonella enterica</i>	<i>Serratia plymuthica</i>	<i>Staphylococcus aureus</i> ssp. <i>aureus</i>
<i>Pseudomonas synxantha</i>	<i>Raoultella terrigena</i> (LID)	<i>Salmonella enterica</i>	<i>Serratia plymuthica</i>	<i>Staphylococcus aureus</i> ssp. <i>aureus</i>
<i>Pseudomonas syringae</i> pv <i>apri</i>	<i>Raoultella terrigena</i> (LID)	<i>Salmonella enterica</i>	<i>Serratia rubidaea</i> (LID)	<i>Staphylococcus aureus</i> ssp. <i>aureus</i>
<i>Pseudomonas syringae</i> pv <i>persicae</i> (LID)	<i>Raoultella terrigena</i> (LID)	<i>Salmonella enterica</i>	<i>Seudomonas maculicola</i>	<i>Staphylococcus aureus</i> ssp. <i>aureus</i>
<i>Pseudomonas syringae</i> pv <i>persicae</i> (LID)	<i>Renibacterium salmoninarum</i> (LID)	<i>Salmonella enterica</i> (gp1) ST <i>paratyphi</i> B	<i>Shewanella algae</i>	<i>Staphylococcus aureus</i> ssp. <i>aureus</i>
<i>Pseudomonas syringae</i> pv <i>persicae</i> (LID)	<i>Rhizobium</i> like -cystic fibrosis	<i>Salmonella enterica</i> (gp1) ST <i>gallinarum</i>	<i>Shewanella amazonensis</i> (CP000507)	<i>Staphylococcus epidermidis</i>
<i>Pseudomonas syringae</i> pv <i>syringae</i> (LID)	<i>Rhizobium radiobacter</i>	<i>Salmonella</i> gp ( <i>cholerae</i> sis) ST <i>typhimurium</i>	<i>Shewanella putrefaciens</i> (CP000503)	<i>Staphylococcus epidermidis</i> (CP000029, AL449)
<i>Pseudomonas syringae</i> pv <i>zizaniae</i> (LID)	<i>Rhizobium radiobacter</i> (LID)	<i>Salmonella</i> gp ( <i>cholerae</i> sis) ST <i>typhimurium</i>	<i>Sphingomonas macrogoltabidus</i> (LID)	<i>Staphylococcus equorum</i>
<i>Pseudomonas tolaasii</i>	<i>Rhizobium radiobacter</i> (LID)	<i>Salmonella</i> gp 3B ( <i>diarizonae</i> ) (LID)	SpeciesName/SpeciesName	<i>Staphylococcus gallinarum</i>
<i>Pseudomonas tolaasii</i>	<i>Rhizobium radiobacter</i> (LID)	<i>Serratia entomophila</i>	<i>Sphaerobacter thermophilus</i> (AJ420142)	<i>Staphylococcus intermedius</i> B
<i>Pseudomonas tolaasii</i>	<i>Rhizobium rhizogenes</i>	<i>Serratia ficaria</i>	<i>Sphigobacterium multivorum</i>	<i>Staphylococcus saccharolyticus</i> (LID)
<i>Pseudomonas tolaasii</i>	<i>Rhizobium rhizogenes</i> (LID)	<i>Serratia ficaria</i>	<i>Sphingobacterium multivorum</i>	<i>Staphylococcus sciuri</i>
<i>Pseudomonas tolaasii</i>	<i>Rhizobium rhizogenes</i> (LID)	<i>Serratia ficaria</i>	<i>Sphingobacterium</i> sp. (AM411962, AM411965)	<i>Staphylococcus sciuri</i> (LID)
<i>Pseudomonas tolaasii</i>	<i>Rhizobium vitis</i> (bv 3) (LID)	<i>Serratia liquefaciens/grimesii</i> (LID)	<i>Sphingobacterium spiritovorum</i> (LID)	<i>Staphylococcus sciuri</i> ssp. <i>sciuri</i>



<i>Staphylococcus sciuri ssp. sciuri</i>	<i>Tsukamurella inchonensis</i> (LID)	<i>Vibrio metschnikovii</i> (LID)	<i>Aspergillus malignus</i> Lindt	<i>Candida haemulonii</i>
<i>Staphylococcus sciuri ssp. sciuri</i> (LID)	<i>Tsukamurella inchonensis</i> (LID)	<i>Vibrio metschnikovii</i>	<i>Aspergillus niger</i> V.Tiegham BGA	<i>Candida haemulonii</i>
<i>Staphylococcus warneri</i>	unclassified <i>Leptolinea</i> (AB109438)	<i>Vibrio metschnikovii</i>	<i>Aspergillus ochraceus</i> K.Wilhelm BGB (LID)	<i>Candida haemulonii</i>
<i>Staphylococcus xylosus</i>	unclassified <i>Thermococcus</i> (AX135459)	<i>Vibrio metschnikovii</i>	<i>Aspergillus restrictus</i> (G.Sm)	<i>Candida incommunis</i>
<i>Staphylococcus xylosus</i>	unclassified ( AM749787, X68467, AY765999, AY234624)	<i>Vibrio parahaemolyticus</i> (LID)	<i>Aspergillus restrictus</i> (G.Sm)(LID)	<i>Candida incommunis</i>
<i>Stenotrophomonas maltophilia</i>	unclassified (AB245338, AF498719, AY234767, AM749787, X68467, AY234726, AY234624, AM74978)	<i>Vibrio parahaemolyticus</i> (LID)	<i>Aspergillus restrictus</i> G.Sm. (LID)	<i>Candida incommunis</i>
<i>Stenotrophomonas maltophilia</i>	unclassified (AB245375, AJ242834)	<i>Vibrio proteolyticus</i> (LID)	<i>Aspergillus restrictus</i> G.Sm. (LID)	<i>Candida incommunis</i>
<i>Stenotrophomonas maltophilia</i>	unclassified (AB246770)	<i>Vibrio tubiashii</i> (LID)	<i>Aspergillus restrictus</i> (LID)	<i>Candida incommunis</i>
<i>Stenotrophomonas maltophilia</i> (LID)	unclassified (AF255608)	<i>Vibrio tubiashii</i> (LID)	<i>Aspergillus restrictus</i> (LID)	<i>Candida incommunis</i>
<i>Stenotrophomonas maltophilia</i> (LID)	unclassified (AF498696)	<i>Vibrio vulnificus</i>	<i>Aspergillus terricola</i> var. <i>terricola</i> (Marchal)	<i>Candida maritima</i>
<i>Stenotrophomonas maltophilia</i> (LID)	unclassified (AJ244807, D86512)	<i>Vibrio vulnificus</i> (LID)	<i>Aspergillus versicolor</i> (LID)	<i>Candida maritima</i>
<i>Stenotrophomonas rhizophila</i>	unclassified (AM180163)	<i>Virgibacillus necrofuis</i>	<i>Aspergillus terricola</i> var. <i>terricola</i> Marchal (LID)	<i>Candida maritima</i>
<i>Stenotrophomonas rhizophila</i> (LID)	unclassified (AY234519)	<i>Virgibacillus sediminis</i>	<i>Bionectaria sesquicilli samueles</i>	<i>Candida mogii</i>
<i>Streptococcus anginosus</i>	unclassified (AY234571, AY673312)	<i>Weissella halotolerans</i>	<i>Bulleromyces albus</i> (LID)	<i>Candida montana</i> (LID)
<i>Streptococcus criceti</i>	unclassified (AY234707)	<i>Wissella halotollerans</i>	<i>Byssochlamys nivea</i> (Westling)	<i>Candida multigemmis</i>
<i>Streptococcus downei</i>	unclassified (AY960767, EU370951)	<i>Xanthomonas campestris</i> pv <i>dieffenbachiae</i>	<i>Candida aaseri</i> A (LID)	<i>Candida rugosa</i> A
<i>Streptococcus iniae</i> (LiD)	unclassified (EF636199, EF636191)	<i>Xanthomonas oryzae</i>	<i>Candida apicola</i>	<i>Candida sorboxylosa</i>
<i>Streptococcus suis</i>	unclassified (X68456, AY673309)	<i>Xanthomonas</i> sp. (AF139997)	<i>Candida castellii</i>	<i>Candida zeylanoides</i>
<i>Streptococcus thermophilus</i>	unclassified <i>Desulfosalina</i> (DQ067422)	<i>Zymophilus paucivorans/raffinosisivorans</i> (LID)	<i>Candida castellii</i>	<i>Candida zeylanoides</i>
<i>Succinivibrio dextrinosolvens</i> (LID)	unclassified <i>Ktedonobacter</i> (AM180158)	<b>Fungi In Gene Bank</b>	<i>Candida edax</i>	<i>Candida zeylanoides</i> (LID)
<i>Tepidanaerobacter syntrophicus</i> (AB106354)	<i>Vagococcus fluvialis</i>		<i>Candida edax</i>	<i>Cladosporium herbarum</i>
<i>Terrimonas ferruginea</i>	<i>Veillonella criceti</i>	<i>Agaricus bisporus</i>	<i>Candida edax</i>	<i>Cladosporium herbarum</i> (Pers. Link BGB)
<i>Tetragenococcus halophilus</i>	<i>Vibrio alginolyticus</i>	<i>Arthriniium phaeospermum</i> (Corda, M.B. Ellis) (LID)	<i>Candida etchellsii</i> (LID)	<i>Cladosporium herbarum</i> (Pers. Link BGB)
<i>Thermaerobacter</i> sp. (AF391972, AY094621, AF343566)	<i>Vibrio alginolyticus</i> (LID)	<i>Aspergillus avenaceus</i> (LID)	<i>Candida etchellsii</i>	<i>Cladosporium herbarum</i> (Pers. Link BGB)
<i>Thermaerobacter subterraneus</i> (AF343566, AY960767)	<i>Vibrio carchariae</i>	<i>Aspergillus brevipes</i> G.Sm. (LID)	<i>Candida famata</i>	<i>Cladosporium herbarum</i> (Pers. Link BGB)
<i>Thermobaculum terrenum</i> gen. nov., sp. Nov. (AF391972, AF498707, AF343566)	<i>Vibrio cholerae</i>	<i>Aspergillus carneus</i> ( v.Tiegham) Blockwitz (LID)	<i>Candida famata</i> (LID)	<i>Cladosporium herbarum</i> (Pers. Link BGB) (LID)
<i>Thermoleophilum album</i> (AJ458463)	<i>Vibrio cholerae</i>	<i>Aspergillus carneus</i> (v. Tiegham, Blockwitz) (LID)	<i>Candida famata</i> (LID)	<i>Cladosporium tenuissimum</i> (Cooke)
<i>Tissierella praeacuta</i> (LID)	<i>Vibrio cholerae</i> O1/O139	<i>Aspergillus carneus</i> (LID)	<i>Candida famata</i>	<i>Colletotrichum lindemuthianum</i> (Saccardo & M)
<i>Trichodesmium erythraeum</i> (CP000393)	<i>Vibrio fluvialis</i>	<i>Aspergillus flavus</i> Var <i>flavus</i> Link BGA	<i>Candida glabrosa</i>	<i>Cryptococcus albidus</i>
<i>Tsukamurella inchonensis</i> (LID)	<i>Vibrio fluvialis</i> (LID)	<i>Aspergillus fresenii</i> Subramanian (LID)	<i>Candida gloebosa</i>	<i>Cryptococcus albidus</i>
			<i>Candida haemulonii</i>	<i>Cryptococcus albidus aerius</i>

<i>Cryptococcus albidus var aerius</i>	<i>Cryptococcus terreus</i> A	<i>Eurotium rubrum</i> (Konig et al.) (LID)	<i>Fusarium</i> sp.	<i>Hyphopichia burtonii</i> A
<i>Cryptococcus albidus var aerius</i>	<i>Cryptococcus terreus</i> A	<i>Fellomyces fuzhouensis</i>	<i>Fusarium</i> sp.	<i>Hyphopichia burtonii</i> A
<i>Cryptococcus albidus var aerius</i>	<i>Cryptococcus terreus</i> A	<i>Fellomyces fuzhouensis</i>	<i>Fusarium</i> sp.	<i>Hypocrea pseudokonigii</i> (LID)
<i>Cryptococcus albidus var aerius</i>	<i>Cryptococcus terreus</i> A	<i>Fellomyces fuzhouensis</i>	<i>Fusarium</i> sp.	<i>Issatchenkia orientalis</i>
<i>Cryptococcus albidus var aerius</i>	<i>Cryptococcus terreus</i> A	<i>Fellomyces fuzhouensis</i>	<i>Fusarium</i> sp.	<i>Issatchenkia orientalis</i>
<i>Cryptococcus albidus var albidus</i>	<i>Cryptococcus terreus</i> A	<i>Fellomyces fuzhouensis</i>	<i>Fusarium</i> sp.	<i>Issatchenkia orientalis</i> (candida krusei) (LID)
<i>Cryptococcus albidus var albidus</i>	<i>Cryptococcus terreus</i> A	<i>Fellomyces fuzhouensis</i>	<i>Fusarium</i> sp.	<i>Issatchenkia scutulata var exigua</i> (LID)
<i>Cryptococcus albidus var albidus</i>	<i>Cryptococcus terreus</i> A	<i>Fellomyces fuzhouensis</i> (LID)	<i>Fusarium</i> sp.	<i>Kluveromyces delphensis</i>
<i>Cryptococcus albidus var albidus</i>	<i>Cryptococcus terreus</i> A	<i>Filobasidela neoformans</i> A	<i>Fusarium</i> sp.	<i>Kluveromyces delphensis</i>
<i>Cryptococcus albidus var diffluens</i>	<i>Cryptococcus terreus</i> A	<i>Fusarium juruanum</i>	<i>Fusarium</i> sp.	<i>Kluveromyces delphensis</i>
<i>Cryptococcus albidus var. aerius</i> (LID)	<i>Cryptococcus terrus</i> A	<i>Fusarium annulatum</i>	<i>Fusarium</i> sp.	<i>Kluveromyces delphensis</i>
<i>Cryptococcus albidus var. aerius</i> (LID)	<i>Curvularia lunata var lunata</i> (Wakker) Boedijn BGA	<i>Fusarium annulatum</i>	<i>Fusarium</i> sp.	<i>Lentinula edodes</i>
<i>Cryptococcus albidus var. albidus</i>	<i>Debaryomyces hansenii</i> C	<i>Fusarium avenaceum ssp. nurragi</i> Summerell & W. Burgess (LID)	<i>Fusarium</i> sp.	<i>Metschnikowia reukaufii</i>
<i>Cryptococcus albidus var. diffluns</i> LID	<i>Debaryomyces hansenii</i> C	<i>Fusarium chlamydosporum var. chlamydosporum</i> W. Burgess (LID)	<i>Fusarium</i> sp.	<i>Mucor plumbeus</i> (Bonord ) (LID)
<i>Cryptococcus curvatus</i>	<i>Debaryomyces hansenii</i> C	<i>Fusarium chlamydosporum var. chlamydosporum</i> W. Burgess (LID)	<i>Fusarium</i> sp.	<i>Mucor plumbeus</i> (Bonord) (LID)
<i>Cryptococcus laurentii</i>	<i>Debaryomyces hansenii</i> C	<i>Fusarium juruanum</i> (LID)	<i>Fusarium udum</i> E. Butler (LID)	<i>Mucor plumbeus</i> (Bonord) (LID)
<i>Cryptococcus laurentii</i>	<i>Debaryomyces hansenii</i> C (LID)	<i>Fusarium juruanum</i> (LID)	<i>Fusarium udum</i> E. Butler (LID)	<i>Nadsonia fulvenscens</i>
<i>Cryptococcus laurentii</i>	<i>Debaryomyces hansenii</i> C (LID)	<i>Fusarium juruanum</i> (LID)	<i>Geomyces pulvereus</i> (LID)	<i>Nectria sesquicilli</i> (Samuels)
<i>Cryptococcus luteolus</i>	<i>Debaryomyces marasmius</i>	<i>Fusarium juruanum</i> (LID)	<i>Geotrichum terrestre</i> (LID)	<i>Neosartorya fescheri var. fescheri</i> (Wehmer) M. B. G. (LID)
<i>Cryptococcus luteolus</i>	<i>Debaryomyces marasmius</i>	<i>Fusarium melanochlorum</i> (Caspary) Sacc. (LID)	<i>Geotrichum terrestre</i> (LID)	<i>Neosartorya fescheri var. fescheri</i> (LID)
<i>Cryptococcus luteolus</i>	<i>Debaryomyces vanrijiae</i> (LID)	<i>Fusarium nygamai</i>	<i>Geotrichum terreus</i>	<i>Neurospora crassa</i> (Scheer and Dodge) (LID)
<i>Cryptococcus luteolus</i>	<i>Emericella nidulans var nidulans</i> (Eidam, Vuilleumier) (LID)	<i>Fusarium oxysporum</i> (Schlecht.:Fr., BGB (LID))	<i>Gliocladium smithii</i> putterillii (Thom)PITT	<i>Pachysolen tannophilus</i>
<i>Cryptococcus luteolus</i>	<i>Emericella quadrilineata</i> ( Thom & Raper) CBS 108.61 (LID)	<i>Fusarium</i> sp.	<i>Gliocladium viride</i> (Matruchot) (LID)	<i>Paecilomyces marquandii</i> (Masse, S. Hughes)
<i>Cryptococcus luteolus</i>	<i>Eupenicillium crustaceum</i> Ludwig	<i>Fusarium</i> sp.	<i>Gliocladium viride</i> (Matruchot) (LID)	<i>Penicillium digitatum</i> (Pers.:Fr.) Sacc. BGA (LID)
<i>Cryptococcus luteolus</i>	<i>Eupenicillium meridianum</i> ( Scott)	<i>Fusarium</i> sp.	<i>Guilliermondella selenospora</i>	<i>Penicillium brevicompactum</i> (Dierckx BGC) (LID)
<i>Cryptococcus luteolus</i>	<i>Eupenicillium meridianum</i> scott	<i>Fusarium</i> sp.	<i>Hanseniaspora valbyensis</i> (Kloecker)	<i>Penicillium brevicompactum</i> Dierckx
<i>Cryptococcus luteolus</i>	<i>Eupenicillium cinnamopurpureum</i> (LID)	<i>Fusarium</i> sp.	<i>Hyphopichia burtonii</i> A	<i>Penicillium brevicompactum</i> Dierckx BGC (LID)
<i>Cryptococcus luteolus</i>	<i>Eupenicillium meridianum</i> Scott (LID)	<i>Fusarium</i> sp.	<i>Hyphopichia burtonii</i> A	<i>Penicillium citrinum</i> Thom BCA
<i>Cryptococcus luteolus</i> (LID)	<i>Eurotium herbarium</i> (Wiggers:Fr.) Link (LID)	<i>Fusarium</i> sp.	<i>Hyphopichia burtonii</i> A	<i>Penicillium herquei</i> Bainier and Sartory
<i>Cryptococcus luteolus</i> (LID)	<i>Eurotium herbarium</i> (Wiggers:Fr.) Link (LID)	<i>Fusarium</i> sp.	<i>Hyphopichia burtonii</i> A	<i>Penicillium herquei</i> Bainier and Sartory
<i>Cryptococcus skinneri</i>	<i>Eurotium herbarum</i>	<i>Fusarium</i> sp.	<i>Hyphopichia burtonii</i> A	<i>Penicillium janczewski</i> Zaleski BGA

<i>Penicillium lanosum</i> Westing	<i>Pichia Mexicana</i>	<i>Rhodotorula aurantiaca</i> A	<i>Trichoderma aureoviride</i> Rifai (LID)	<i>Zygoascus hellenicus</i> (LID)
<i>Penicillium pinophilum</i> (LID)	<i>Pichia norvegensis</i>	<i>Rhodotorula aurantiaca</i> A	<i>Trichoderma citrinoviride</i> Bissett BGA (LID)	<i>Zygosaccharomyces bailii</i>
<i>Penicillium roqueforti</i> Thom BGC	<i>Pichia norvegensis</i>	<i>Rhodotorula aurantiaca</i> A	<i>Trichoderma longibrachiatum</i> Rifai BGD	<i>Zygosaccharomyces bisporus</i>
<i>Penicillium roqueforti</i> Thom BGE (LID)	<i>Pichia norvegensis</i>	<i>Rhodotorula aurantiaca</i> A	<i>Trichoderma piluiferum</i> Webster and Rifai (LID)	<i>Zygosaccharomyces fermentati</i>
<i>Penicillium roqueforti</i> (LID)	<i>Pleurotus eryngi</i>	<i>Rhodotorula aurantiaca</i> A	<i>Trichoderma piluiferum</i> Webster & Rifai (LID)	<i>Zygosaccharomyces bisporus</i>
<i>Penicillium solitum</i> (Westling BGC) (LID)	<i>Pleurotus ostreatus</i>	<i>Rhodotorula aurantiaca</i> B	<i>Trichosporon beigelii</i>	<b>MicroAlgae in Gene Bank</b>
<i>Penicillium solitum</i> (Westling BGC) (LID)	<i>Pleurotus sajor-caju</i>	<i>Rhodotorula aurantiaca</i> B	<i>Trichosporon beigelii</i>	Anabaena sp.
<i>Penicillium spinulosum</i>	<i>Rhodotorula aurantiaca</i> A	<i>Rhodotorula aurantiaca</i> B	<i>Trichosporon beigelii</i> (LID)	Aphanocapsa sp.
<i>Penicillium thomi</i> Maire BGC	<i>Rhodotorula glutinis</i> var <i>glutinis</i>	<i>Rhodotorula aurantiaca</i> B	<i>Trichosporon beigelii</i> A	Arthrospira sp.
<i>Penicillium variabile</i> BGC	<i>Rhodotorula glutinis</i> var <i>glutinis</i>	<i>Rhodotorula aurantiaca</i> B	<i>Trichosporon beigelii</i> B	Asterococcus sp.
<i>Penicillium roqueforti</i> Thom BGC (LID)	<i>Rhodotorula hylophila</i>	<i>Rhodotorula aurantiaca</i> B	<i>Trichosporon beigelii</i> B	Bracteococcus minor
<i>Penicillium freii</i> frivvad and Samson (LID)	<i>Rhodotorula acheniorium</i>	<i>Rhodotorula hylophila</i> (LID)	<i>Trichosporon beigelii</i> B	Chlamydomonas ovata
<i>Penicillium argillaceum</i> Stock et al. (LID)	<i>Rhodotorula acheniorium</i>	<i>Rhodotorula pustula</i>	<i>Trichosporon beigelii</i> B	Chlamydomonas reinhardtii
<i>Penicillium brevicompactum</i> Dierckx BGC (LID)	<i>Rhodotorula acheniorium</i>	<i>Rhodotorula pustula</i>	<i>Trichosporon beigelii</i> B	Chlamydomonas reinhardtii
<i>Penicillium pinophilum</i> Hedge. BGB (LID)	<i>Rhodotorula acheniorium</i>	<i>Rhodotrula aurantica</i> A	<i>Trichosporon beigelii</i> B (LID)	Chlamydomonas sp.
<i>Penicillium purpurogenum</i> var. <i>rubrisclerotium</i> Thom (LID)	<i>Rhodotorula acheniorium</i>	<i>Rhodotrula aurantica</i> B	<i>Trichosporon beigelii</i> B (LID)	Chlamydomonas sp.
<i>Penicillium solitum</i> Westling BGA (LID)	<i>Rhodotorula acheniorium</i>	<i>Saccharomyces cerevisiae</i> B	<i>Trichosporon beigelii</i> B (LID)	Chlamydomonas sp.
<i>Penicillium vulpinum</i> (Cooke & Masee) Seifert & Stomsta (LID)	<i>Rhodotorula acheniorium</i>	<i>Saccharomyces boulardii</i>	<i>Trichosporon beigelii</i> B (LID)	Chlamydomonas sp.
<i>Pichia amenthionina</i> var <i>amethionina</i>	<i>Rhodotorula aurantiaca</i> A	<i>Schizoblastosporon starkeyi-henricii</i>	<i>Trichosporon brassicae</i>	Chlamydomonas sp.
<i>Pichia amenthionina</i> var <i>amethonina</i>	<i>Rhodotorula aurantiaca</i> A	<i>Schizoblastosporon starkeyi-henricii</i>	<i>Trichosporon brassicae</i>	Chlamydomonas sp.
<i>Pichia guilliermondii</i>	<i>Rhodotorula aurantiaca</i> A	<i>Schizoblastosporon starkeyi-henricii</i>	<i>Trichosporon brassicae</i>	Chlamydomonas thiophila
<i>Pichia guilliermondii</i> A (LID)	<i>Rhodotorula aurantiaca</i> A	<i>Schwanniomyces occidentalis</i>	<i>Trichosporon inkin</i>	Chlorella sp.
<i>Pichia guilliermondii</i> A (LID)	<i>Rhodotorula aurantiaca</i> A	<i>Scolpulariopsis brumptii</i> (LID)	<i>Tritirachium oryzae</i> (Vincens) de Hoog(LID)	Chlorella sp.
<i>Pichia halophila</i>	<i>Rhodotorula aurantiaca</i> A	<i>Scopulariopsis candida</i> (Gueguen, Vuill) (LID)	<i>Ustilago maydis</i>	Chlorella sp.
<i>Pichia halophila</i>	<i>Rhodotorula aurantiaca</i> A	<i>ssatchenkia orientalis</i>	<i>Ustilago maydis</i>	Chlorella vulgaris
<i>Pichia holstii</i>	<i>Rhodotorula aurantiaca</i> A	<i>Sterigmatomyces halophilus</i>	<i>Ustilago maydis</i>	Chlorococcum sp.
<i>Pichia jadinii</i>	<i>Rhodotorula aurantiaca</i> A	<i>Sterigmatomyces halophilus</i>	<i>Windearobertsiae</i> (LID)	Chlorococcum sp.
<i>Pichia mexicana</i>	<i>Rhodotorula aurantiaca</i> A	<i>Talaromyces bacillisporus</i> (LID)	<i>Wingea robertsiae</i> (LID)	Chroococcus sp.
<i>Pichia mexicana</i>	<i>Rhodotorula aurantiaca</i> A	<i>Talaromyces pinophilus</i>	<i>Yarrowlalipolytica</i>	Chroococcus sp.
<i>Pichia Mexicana</i>	<i>Rhodotorula aurantiaca</i> A	<i>Trichoderma atroviride</i> Karsten BGB	<i>Zygoascus hellenicus</i> (LID)	Coccomyxa sp.
<i>Pichia mexicana</i>	<i>Rhodotorula aurantiaca</i> A	<i>Trichoderma aureoviride</i> Rifai (LID)	<i>Zygoascus hellenicus</i> (LID)	Coelastrella vacuolata



Coelastrum sp.

Cryptomonas sp.

Gloeothece sp.

Haematococcus sp.

Microcystis sp.

Microcystis sp.

Microcystis sp.

Monoraphidium sp.

Navicula sp.

Oocystis spp.

Rhodomonas sp.

Scenedesmus dimorphus

Scenedesmus obliquus

Scenedesmus quadricauda

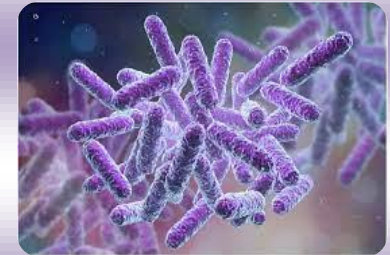
Scenedesmus sp.

Scenedesmus sp.

Selenastrum sp.

Selenastrum sp.

Tetraspora sp.



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