

Table S1. Strains and media

Strain	Source	Origin	Culture medium for growth	Culture medium for antimicrobial assays	Temperature	Comments
Gram-positive bacteria						
<i>Bacillus subtilis</i> ATCC 6633	Ref	ATCC	LB	PB	37 °C	Used in sterility testing
<i>Corynebacterium stationis</i> CIP 101282	Ref	Pasteur Institute	Zobell	Zobell 1/3	30 °C	Isolated from film of marine fouling organisms
<i>Enterococcus faecalis</i> ATCC 29212	Ref	ATCC	LB	PB	37 °C	Isolated from urine and has applications in food testing, media testing, quality control, and water testing
<i>Microbacterium maritipicum</i> CIP 105733	Ref	Pasteur Institute	Zobell	Zobell 1/3	30 °C	Isolated from seawater and marine mud
<i>Micrococcus luteus</i> CIP 5345	Ref	Pasteur Institute	LB	PB	30 °C	Renamed <i>Kocuria rhizophila</i>
<i>Staphylococcus aureus</i> SG511	Ref	UM	LB	PB	37 °C	Used as a standard strain for antimicrobial susceptibility testing
<i>Staphylococcus aureus</i> ATCC 25932	Ref	ATCC	LB	PB	37 °C	Clinical isolate used as a quality control strain for some tests
<i>Staphylococcus aureus</i> ATCC 29737	Ref	ATCC	LB	PB	37 °C	Strain FDA used in sterility testing and susceptibility disc testing
<i>Staphylococcus aureus</i> 16003	MRSA	UFSC	LB	PB	37 °C	Isolated from a tracheal secretion of a hospitalized patient (resistant to ceftazidime)
<i>Staphylococcus aureus</i> 16006	MRSA	UFSC	LB	PB	37 °C	Isolated from the blood of a hospitalized patient (resistant to ceftazidime, ciprofloxacin, clindamycin and erythromycin)

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<i>Staphylococcus aureus</i> 17018	MRSA	UFSC	LB	PB	37 °C	Isolated from a tracheal aspirate of a hospitalized patient (resistant to ceftiofur, ciprofloxacin, clindamycin, erythromycin and gentamicin)
<i>Staphylococcus aureus</i> 17022	MRSA	UFSC	LB	PB	37 °C	Isolated from a bone fragment of a hospitalized patient (resistant to ceftiofur, ciprofloxacin, clindamycin, erythromycin, gentamicin, rifampicin and trimethoprim-sulfamethoxazole)
Gram-negative bacteria						
<i>Escherichia coli</i> SBS 363	Ref	Pasteur Institute	LB	PB	37 °C	Used as a standard strain for antimicrobial susceptibility testing
<i>Pseudomonas aeruginosa</i> ATCC 9027	Ref	ATCC	LB	PB	37 °C	Isolated from an outer ear infection used in efficacy testing, media testing, and preparatory test control
<i>Vibrio alginolyticus</i> ATCC 17749	Ref	ATCC	LB-NaCl	PB-NaCl	20 °C	Isolated in Japan from spoiled horse mackerel that resulted in food poisoning
<i>Vibrio anguillarum</i> ATCC 19264	Ref	ATCC	LB-NaCl	PB-NaCl	20 °C	Type strain isolated from ulcerous lesion in cod
<i>Vibrio fluvialis</i> EMBRAPA-SE	Env	EMBRAPA	LB-NaCl	PB-NaCl	20 °C	Environmental strain isolated from diseased shrimp

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<i>Vibrio harveyi</i> ATCC 14126	Ref	ATCC	LB-NaCl	PB-NaCl	20 °C	Type strain isolated from a dead luminescing amphipod, <i>Talorchestia</i> sp.
<i>Vibrio nigripulchritudo</i> CIP 103195	Ref	Pasteur Institute	LB-NaCl	PB-NaCl	28 °C	Isolated from seawater enriched with chitin
<i>Vibrio parahaemolyticus</i> IOC 18950	Ref	IOC	LB-NaCl	PB-NaCl	20 °C	A standard strain from an outbreak in Cascavel (Brazil)
<i>Vibrio parahaemolyticus</i> EMBRAPA-SE	Env	EMBRAPA	LB-NaCl	PB-NaCl	20 °C	Environmental strain isolated from diseased shrimp
Filamentous fungi						
<i>Aspergillus brasiliensis</i> ATCC 16404	Ref	ATCC	PDA	½ PDB	28 °C	Isolated from blueberry
<i>Aspergillus niger</i> LAMPB-UFSC DR02	Env	LAMPB	PDA	½ PDB	28 °C	Endophytic fungi of <i>Platanus orientalis</i>
<i>Colletotrichum chrysophilum</i> MANE 147	Ref	MANE	PDA	½ PDB	28 °C	Isolated from apple leaf/Gala
<i>Colletotrichum higginsianum</i> MANE 166	Ref	MANE	PDA	½ PDB	28 °C	Isolated from <i>Arabidopsis thaliana</i>
<i>Fusarium oxysporum</i> MUCL 909	Ref	UM	PDA	½ PDB	28 °C	Shrimp opportunistic pathogen
<i>Penicillium</i> sp. LIAA-UFSC	Env	LIAA	PDA	½ PDB	28 °C	Environmental strain isolated from shrimp midgut
<i>Rhizopus</i> sp. LAMPB-UFSC	Env	LAMPB	PDA	½ PDB	28 °C	Environmental strain isolated from air
<i>Trichoderma virens</i> ATCC 9645	Ref	ATCC	PDA	½ PDB	28 °C	Isolated from soil
Yeast						
<i>Candida albicans</i> 12A (MDM8)	Ref	Butantan Institute	Sabouraud	Sabouraud	28 °C	Standard strain used in antimicrobial tests

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<i>Candida krusei</i> ATCC 6258	Ref	ATCC	Sabouraud	Sabouraud	28 °C	Quality control strain isolated from sputum of patient with bronchomycosis
<i>Candida glabrata</i> CCT 0728	Ref	CCT	Sabouraud	Sabouraud	28 °C	-
<i>Candida parapsilosis</i> ATCC 22019	Ref	ATCC	Sabouraud	Sabouraud	28 °C	Type strain for industrial biotechnology and quality control isolated from case of sprue
<i>Candida tropicalis</i> LMC-UFSC	Ref	UFSC	Sabouraud	Sabouraud	28 °C	-
<i>Rhodotorula</i> sp. LIAA-UFSC	Env	LIAA	Sabouraud	Sabouraud	28 °C	Environmental strain isolated from shrimp midgut
<i>Saccharomyces cerevisiae</i> CAT1	Ref	UFSC	Sabouraud	Sabouraud	28 °C	Industrial fuel-ethanol fermentative strain

ATCC, American Type Culture Collection; CCT, Collection of Tropical Cultures; CIP, Collection de l'Institut Pasteur; EMBRAPA, Empresa Brasileira de Pesquisa Agropecuária; Env, environmental isolate; IOC, Oswaldo Cruz Institute; LAMPB, Laboratory of Microorganisms and Biotechnological Processes; LIAA, Laboratory of Immunology Applied to Aquaculture; MANE, Micoteca Anne Löre Schroeder; MRSA: Methicillin-resistant *Staphylococcus aureus*; MUCL, Université Catholique de Louvain; Ref, reference strain; UFSC, Federal University of Santa Catarina; UM, University of Montpellier. Comment on and origins have been indicated where available.

Luria-Bertani (LB) medium (10 g/L bactopectone, 5 g/L yeast extract, 10 g/L NaCl, pH 7.2). Poor broth (PB) medium (10 g/L bactopectone, 10 g/L NaCl, pH 7.2). LB-NaCl (10 g/L bactopectone, 5 g/L yeast extract, 30 g/L NaCl, pH 7.2). PB-NaCl (10 g/L bactopectone, 30 g/L NaCl, pH 7.2). Zobell medium (4 g/L bactopectone, 1 g/L yeast extract, 400 mM NaCl, 20 mM KCl, 5 mM MgSO₄, 1.4 mM CaCl₂, pH 7.2). Zobell 1/3 medium (1.3 g/L bactopectone, 0.33 g/L yeast extract, 400 mM NaCl, 20 mM KCl, 5 mM MgSO₄, 1.4 mM CaCl₂, pH 7.2). Sabouraud medium (10 g/L bactopectone, 40 g/L dextrose, pH 5.6). Potato Dextrose Agar (PDA, 26 g/L Potato Dextrose Broth, 1.5% agar, pH 5.6). ½ Potato Dextrose Broth (½ PDB, 13.5 g/L Potato Dextrose Broth, pH 5.6).