

Supplementary Table S1 Diversity of rhizosphere and endophytic microorganisms in medicinal plants

Plants	Microorganism source	Affecting Factors	Microbial diversity	References
<i>Fritillaria taipaiensis</i>	Rhizospheric	pH, phosphorus, organic matter, urease activity	<i>Aquamyces, Arthrobotrys, Colletotrichum, Fusarium, Gibberella, Ilyonectria, Laetinaevia, Lysurus, Microidium, Monoblepharis, Mortierella, Myrothecium, Peziza, Pseudogymnoascus, Synchytrium, Trichocladium, Trichoderma, Volutella</i>	[1]
<i>Coptis chinensis</i> Franch	Rhizospheric	Nitrogen, phosphorus; potassium, organic carbon, pH	<i>Proteobacteria, Acidobacteria, Gemmatimonadetes, Actinobacteria, Chloroflexi, Bacteroidetes, Cyanobacteria, Firmicutes</i>	[2]
<i>Arctium lappa</i> L.	Rhizospheric	Plant organ	<i>Nocardioides, Solirubrobacter, Streptomyces, Acremonium, Cryptococcus, Aspergillus, Methyloversatilis, Acinetobacter, Microbacterium, Podosphaera, Geosmithia</i>	[3]
<i>Artemisia annua</i>	Rhizospheric	phosphorus, potassium, organic carbon, nitrogen and water-soluble nitrogen	<i>Acidobacteria, Acitinobacteria, Bacteroidetes, Chloroflexi, Firmicutes, Gemmatimonadates, Proteobacteria, Ascomycota, Basidiomycota, Rozellomycota, Glomeromycota, Mortierellomycota</i>	[4]

<i>Glycyrrhiza uralensis</i> Fisch	Rhizospheric	agrotype	<i>Proteobacteria, Chloroflexi, Planctomycetes, Firmicutes, Acitinobacteria, Oxyphotobacteria, Mortierellomycota, Aphelidiomycota, Chytridiomycota, Mucoromycota, Glomeromycota</i>	[5]
<i>Radix pseudostellariae</i>	Rhizospheric	carbohydrates, fatty acids, plant hormones, amino acids	<i>Pseudomonas, Lysobacter, Gemmatimonadetes, Nitrospira usarium, Talaromyces, Fusarium oxysporum</i>	[6]
<i>Panax notoginseng</i>	Rhizospheric	planting patterns, habitat	<i>Proteobacteria, Acidobacteria, Actinobacteria, Gemmatimonadetes, Verrucomicrobia, Planctomycetes, Ascomycota, Mucoromycota, Basidiomycota, Zoopagomycota, Blastocladiomycota</i>	[7]
<i>Angelica sinensis</i>	Rhizospheric	Different stage	<i>Patescibacteria, Firmicutes, Proteobacteria, Acidobacteria, Pseudomonas, Sphingomonas, Streptomyces, Flavobacterium, Acinetobabacter</i>	[8]
<i>Echinacea purpurea</i>	Rhizospheric	plant species	<i>Staphylococcus, Stenotrophomonas, Rheinheimera, Pseudomonas, Pantoea, Kocuria, Microbacterium, Methylobacterium, Flavobacterium, Curtobacterium, Bacillus,</i>	[9]

			<i>Arthrobacter</i>	
<i>Scrophularia striata</i>	Endophytic	Tissues types	<i>Agrococcus, Arthrobacter, Bacillus, Chryseobacterium, Delftia, Kocuria, Pseudomonas, Sphingomonas</i>	[10]
<i>Thymus roseus</i> Schipcz	Endophytic	Tissues types, geographical environment	<i>Streptomyces, Nocardiosis, Micrococcus, Kocuria, Saccharomonospora, Saccharopolyspora, Arthrobacter, Rhodococcus, Pseudonocardia, Piscicoccus, Mycobacterium, Corynebacterium</i>	[11]
<i>Gastrodia elata</i> f.glauca	Endophytic	Geographic regions	<i>Proteobacteria, Actinobacteriota, Acidobacteriota, Bacteroidota, Firmicutes, Myxococcota, Comamonadaceae, Nocardiaceae, Xanthobacteraceae, Burkholderiaceae, Corynebacteriaceae, Weeksellaceae, Acidothermaceae</i>	[12]
<i>Gentiana officinalis</i>	Endophytic	Tissue types and ages	<i>Cladosporium, Efibulobasidium, Didymella, Cistella, Thanatephorus, Tetracladium, Epicoccum, Dioszedia, Cadophora, Phyllobacterium, Frankia, Pseudomonas, Promicromonospora, Aetherobacter</i>	[13]
<i>Dicoma anomala</i>	Endophytic	Seasons	<i>Pseudomonas, Acinetobacter, Arthrobacter, Bacillus, Bradyrhizobium, Enterobacter, Methylobacterium,</i>	[14]

			<i>Sphingomonas, Streptococcus, Tepidisphaera, Terrabacter</i>	
<i>Citrus grandis</i> cv. Tomentosa	Endophytic	Tissue types	<i>Candidatus Liberibacter, Massilia, Methylobacterium, Enterobacter, Enterococcus, Curtobacterium, Sphingomonas, Brevundimonas, Aquitalea, Microbacterium, Exiguobacterium</i>	[15]
<i>Panax notoginseng</i>	Endophytic	Sample status	<i>Bacillus, Enterobacter, Brevibacillus, Raoultella, Paenibacillus, Staphylococcus, Escherichia-Shigella</i>	[16]
<i>Paeonia suffruticosa</i> Andrews	Endophytic	Plant variety	<i>Alternaria, Arthopyreniaceae, Botryosphaeria, Ceratobasidium, Chaetomium, Cladosporium, Curvularia, Diaporthe, Nectriaceae, Nigrospora, Phoma, Pestalotiopsis, Phyllosticta, Fusarium, Pilidium</i>	[17]
<i>Pseudowintera colorata</i>	Endophytic	Tissue types	<i>Acinetobacter, Enterobacter, Pseudomonas, Modestobacter, Bacteroides, Rhizobium, Rhodoplanes, Aeromicrobium, Frankia, Actinomyces, Methylobacterium, Pedobacter, Burkholderia</i>	[18]

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