

Phylum	Genus	Lung tissue	Lung tissue	Lung homogenate	Lung homogenate
		Mean	SD	Mean	SD
Firmicutes	Lactobacillus	3.36e-01	2.52e-01	6.93e-01	4.21e-01
Proteobacteria	Curvibacter	1.82e-01	2.74e-01	9.50e-03	1.90e-02
Proteobacteria	Escherichia-Shigella	1.08e-01	2.04e-01	1.23e-03	1.90e-03
Actinobacteria	Cutibacterium	5.59e-02	4.92e-02	1.92e-02	3.53e-02
Bacteroidota	Muribaculaceae	4.43e-02	6.93e-02	3.83e-02	4.14e-02
Proteobacteria	Massilia	3.49e-02	6.98e-02	0.00e+00	0.00e+00
Mycococcota	bacteriap25	1.82e-02	3.64e-02	0.00e+00	0.00e+00
Firmicutes	Faecalibacterium	1.57e-02	2.82e-02	2.92e-02	4.42e-02
Proteobacteria	Sphingomonas	1.42e-02	2.70e-02	0.00e+00	0.00e+00
Actinobacteriota	Rothia	1.42e-02	2.83e-02	0.00e+00	0.00e+00
Firmicutes	Ruminococcus	1.35e-02	2.55e-02	3.35e-03	6.28e-03
Bacteroidota	Hymenobacter	9.84e-03	1.97e-02	0.00e+00	0.00e+00
Firmicutes	Staphylococcus	7.19e-03	9.01e-03	1.05e-02	1.71e-02
Proteobacteria	Mesorhizobium	7.03e-03	1.41e-02	0.00e+00	0.00e+00
Firmicutes	Faecalibaculum	6.98e-03	1.40e-02	7.71e-04	1.54e-03
Proteobacteria	Sphingobium	6.93e-03	8.92e-03	0.00e+00	0.00e+00
Proteobacteria	Pseudomonas	6.51e-03	1.23e-02	1.01e-02	1.86e-02
Proteobacteria	Methylobacterium-Methyloburum	5.03e-03	1.01e-02	1.56e-04	3.11e-04
Firmicutes	Roseburia	4.98e-03	9.96e-03	1.88e-02	2.95e-02
Bacteroidota	Odoribacter	4.98e-03	9.96e-03	2.50e-03	5.00e-03
Firmicutes	Subdoligranulum	4.67e-03	9.34e-03	7.82e-03	1.24e-02
Firmicutes	Dalister	4.51e-03	9.03e-03	4.67e-04	9.33e-04
Bacteroidota	Prevotella	4.29e-03	5.40e-03	1.76e-02	2.64e-02
Actinobacteriota	Sanguibacter	3.74e-03	7.47e-03	6.22e-04	1.24e-03
Firmicutes	Streptococcus	3.70e-03	5.60e-03	1.86e-02	3.06e-02
Proteobacteria	Alorhizobium-Neorhizobium-Pararhizobium-Rhizobium	3.52e-03	7.03e-03	0.00e+00	0.00e+00
Proteobacteria	Polaromonas	3.37e-03	6.75e-03	0.00e+00	0.00e+00
Firmicutes	Tuzzereella	3.27e-03	6.54e-03	3.11e-04	6.22e-04
Actinobacteriota	uncultured	3.03e-03	4.73e-03	0.00e+00	0.00e+00
Bacteroidota	Pedobacter	2.92e-03	5.83e-03	0.00e+00	0.00e+00
Verrucomicrobiota	vadinBE97	2.65e-03	5.29e-03	0.00e+00	0.00e+00
Firmicutes	UCG-005	2.65e-03	5.29e-03	1.01e-04	2.03e-04
Bacteroidota	Flavobacterium	2.54e-03	5.09e-03	0.00e+00	0.00e+00
Firmicutes	Monoglobus	2.49e-03	4.98e-03	0.00e+00	0.00e+00
Proteobacteria	Novosphingobium	2.43e-03	4.86e-03	0.00e+00	0.00e+00
Bacteroidota	Mucilaginibacter	2.34e-03	4.69e-03	0.00e+00	0.00e+00
Proteobacteria	Rhodopseudomonas	2.33e-03	4.67e-03	5.00e-03	1.00e-02
Bacteroidota	Paraprevotella	2.33e-03	4.67e-03	0.00e+00	0.00e+00
Proteobacteria	Brevundimonas	2.32e-03	4.63e-03	0.00e+00	0.00e+00
Firmicutes	Dubosiella	2.29e-03	4.57e-03	6.29e-04	1.26e-03
Firmicutes	Christensenellaceae_R-7_group	2.18e-03	4.36e-03	8.55e-04	1.71e-03
Proteobacteria	Pelomonas	1.93e-03	2.95e-03	4.67e-04	9.33e-04
Firmicutes	Lachnospiridium	1.87e-03	3.74e-03	3.08e-03	5.95e-03
Actinobacteriota	Collinsella	1.87e-03	3.74e-03	7.00e-04	1.40e-03
Firmicutes	CAG-56	1.82e-03	2.10e-03	7.61e-04	1.36e-03
Proteobacteria	Caulobacter	1.72e-03	3.43e-03	0.00e+00	0.00e+00
Firmicutes	UBA1819	1.71e-03	3.42e-03	0.00e+00	0.00e+00
Firmicutes	Blautia	1.71e-03	3.42e-03	1.04e-02	1.85e-02
Proteobacteria	Rhizobacter	1.57e-03	3.15e-03	0.00e+00	0.00e+00
Verrucomicrobiota	Ornithobacter	1.54e-03	3.09e-03	0.00e+00	0.00e+00
Bacteroidota	Spirosoma	1.43e-03	2.86e-03	0.00e+00	0.00e+00
Firmicutes	Ferriplasma	1.40e-03	2.80e-03	6.68e-03	1.16e-02
Proteobacteria	uncultured	1.29e-03	2.57e-03	0.00e+00	0.00e+00
Firmicutes	Coproccoccus	1.25e-03	2.49e-03	0.00e+00	0.00e+00
Firmicutes	Finagolia	1.12e-03	2.23e-03	8.73e-03	1.69e-02
Patescibacteria	Saccharimonadaceae	1.09e-03	2.18e-03	0.00e+00	0.00e+00
Proteobacteria	Caenimonas	1.00e-03	2.00e-03	0.00e+00	0.00e+00
Firmicutes	Agathobacter	7.78e-04	1.56e-03	4.29e-04	7.54e-04
Proteobacteria	uncultured	7.72e-04	1.54e-03	0.00e+00	0.00e+00
Proteobacteria	Devosia	7.72e-04	1.54e-03	0.00e+00	0.00e+00
Proteobacteria	uncultured	7.72e-04	1.54e-03	0.00e+00	0.00e+00
Proteobacteria	Acinetobacter	7.43e-04	1.49e-03	7.77e-03	1.13e-02
Planctomycetota	Gemmata	7.43e-04	1.49e-03	0.00e+00	0.00e+00
Bacteroidota	Ferruginibacter	7.15e-04	1.43e-03	0.00e+00	0.00e+00
Proteobacteria	Rhodofarax	7.15e-04	1.43e-03	0.00e+00	0.00e+00
Firmicutes	Peptoniphilus	6.00e-04	1.20e-03	0.00e+00	0.00e+00
Bdellovibrionota	Bacteriovorax	5.72e-04	1.14e-03	0.00e+00	0.00e+00
Proteobacteria	Altererythrobacter	5.72e-04	1.14e-03	0.00e+00	0.00e+00
Firmicutes	Dorea	5.43e-04	1.09e-03	1.09e-03	2.18e-03
Actinobacteriota	Nocardioidea	5.43e-04	1.09e-03	0.00e+00	0.00e+00
Actinobacteriota	Armbacterium	5.43e-04	1.09e-03	0.00e+00	0.00e+00
Actinobacteriota	Subtercola	5.15e-04	1.03e-03	0.00e+00	0.00e+00
Actinobacteriota	Nakamurella	4.86e-04	9.72e-04	0.00e+00	0.00e+00
Actinobacteriota	Kineococcus	4.86e-04	9.72e-04	0.00e+00	0.00e+00
Proteobacteria	Tardiphaga	4.57e-04	9.15e-04	0.00e+00	0.00e+00
Proteobacteria	Azospira	4.57e-04	9.15e-04	0.00e+00	0.00e+00
Bacteroidota	Terrimonas	4.57e-04	9.15e-04	0.00e+00	0.00e+00
Proteobacteria	Burkholderia-Caballeronia-Paraburkholderia	4.00e-04	8.01e-04	0.00e+00	0.00e+00
Bacteroidota	env_OPS_17	4.00e-04	8.01e-04	0.00e+00	0.00e+00
Proteobacteria	Paucibacter	3.72e-04	7.43e-04	0.00e+00	0.00e+00
Actinobacteriota	Lawsonella	3.15e-04	6.29e-04	1.56e-04	3.11e-04
Actinobacteriota	Actinomyces	3.15e-04	6.29e-04	0.00e+00	0.00e+00
Bdellovibrionota	Oligoflexus	3.15e-04	6.29e-04	0.00e+00	0.00e+00
Proteobacteria	Rhizorhapis	2.86e-04	5.72e-04	0.00e+00	0.00e+00
Bacteroidota	Chryseobacterium	2.57e-04	5.15e-04	0.00e+00	0.00e+00
Bdellovibrionota	Bdellovibrio	2.00e-04	4.00e-04	0.00e+00	0.00e+00
Bacteroidota	Bacteroides	2.00e-04	4.00e-04	1.05e-02	1.61e-02
Firmicutes	Incertae_Sedis	2.00e-04	4.00e-04	0.00e+00	0.00e+00
Patescibacteria	LWQ8	1.72e-04	3.43e-04	0.00e+00	0.00e+00
Actinobacteriota	Kineosporia	1.72e-04	3.43e-04	0.00e+00	0.00e+00
Proteobacteria	Aureimonas	1.43e-04	2.86e-04	0.00e+00	0.00e+00
Actinobacteriota	Gardnerella	0.00e+00	0.00e+00	3.89e-04	7.78e-04
Bacteroidota	Butyrivomona	0.00e+00	0.00e+00	2.00e-03	4.00e-03
Firmicutes	Butyrivibrio	0.00e+00	0.00e+00	6.09e-05	1.22e-04
Firmicutes	S5-A14a	0.00e+00	0.00e+00	2.37e-03	4.64e-03
Proteobacteria	Halomonas	0.00e+00	0.00e+00	3.11e-04	6.22e-04
Proteobacteria	uncultured	0.00e+00	0.00e+00	3.11e-04	6.22e-04
Firmicutes	[Ruminococcus]_torques_group	0.00e+00	0.00e+00	3.89e-04	7.78e-04
Bacteroidota	Alistipes	0.00e+00	0.00e+00	1.22e-04	2.44e-04
Firmicutes	Fusicatibacter	0.00e+00	0.00e+00	8.55e-04	1.71e-03
Cyanobacteria	Gastranaerophilales	0.00e+00	0.00e+00	1.17e-03	2.33e-03
Proteobacteria	uncultured	0.00e+00	0.00e+00	7.78e-04	1.56e-03
Firmicutes	[Eubacterium]_hallii_group	0.00e+00	0.00e+00	2.50e-03	5.00e-03
Bacteroidota	Porphyromonas	0.00e+00	0.00e+00	1.06e-03	1.96e-03
Firmicutes	Nosocomiococcus	0.00e+00	0.00e+00	7.00e-03	1.40e-02
Firmicutes	Lachnospiraceae_UCG-001	0.00e+00	0.00e+00	2.03e-04	4.06e-04
Firmicutes	Lachnospiraceae_UCG-006	0.00e+00	0.00e+00	8.12e-05	1.62e-04
Actinobacteriota	Bifidobacterium	0.00e+00	0.00e+00	2.85e-03	2.93e-03
Firmicutes	[Eubacterium]_elgens_group	0.00e+00	0.00e+00	6.22e-04	1.24e-03
Firmicutes	UCG-002	0.00e+00	0.00e+00	5.01e-03	7.57e-03
Firmicutes	uncultured	0.00e+00	0.00e+00	6.50e-03	1.30e-02
Firmicutes	Carnobacterium	0.00e+00	0.00e+00	2.00e-03	4.00e-03
Proteobacteria	Parasutterella	0.00e+00	0.00e+00	4.46e-04	8.93e-04
Proteobacteria	Sutterella	0.00e+00	0.00e+00	5.44e-04	1.09e-03
Firmicutes	Holdemanella	0.00e+00	0.00e+00	3.11e-04	6.22e-04
Proteobacteria	Skermanella	0.00e+00	0.00e+00	6.09e-05	1.22e-04
Bacteroidota	Prevotellaceae_UCG-001	0.00e+00	0.00e+00	5.00e-03	1.00e-02
Firmicutes	Anaerobacillus	0.00e+00	0.00e+00	8.12e-05	1.62e-04
Firmicutes	Lachnospiraceae_NK4A136_group	0.00e+00	0.00e+00	1.78e-02	3.10e-02