

Supplementary Table IV. Top 10 phyla, classes, orders, families and genera contained in the test database

Phylum		Class		Order		Family		Genus	
Name	%	Name	%	Name	%	Name	%	Name	%
Proteobacteria	38.89	Actinobacteria	23.54	Bacillales	8.53	<i>Streptomycetaceae</i>	5.90	<i>Streptomyces</i>	5.61
Actinobacteria	23.69	Gammaproteobacteria	16.63	Streptomycetales	5.89	<i>Flavobacteriaceae</i>	5.06	<i>Bacillus</i>	1.92
Firmicutes	19.51	Alphaproteobacteria	13.25	Micrococcales	5.59	<i>Bacillaceae</i>	4.19	<i>Lactobacillus</i>	1.56
Bacteroidetes	10.76	Bacilli	12.59	Flavobacteriales	5.20	<i>Rhodobacteraceae</i>	3.13	<i>Clostridium</i>	1.52
Tenericutes	1.78	Clostridia	6.00	Clostridiales	5.05	<i>Enterobacteriaceae</i>	2.32	<i>Paenibacillus</i>	1.47
Spirochaetes	0.91	Betaproteobacteria	5.55	Rhizobiales	4.78	<i>Microbacteriaceae</i>	2.23	<i>Pseudomonas</i>	1.46
Deinococcus-Thermus	0.77	Flavobacteriia	5.20	Corynebacteriales	4.14	<i>Paenibacillaceae</i>	2.0	<i>Mycobacterium</i>	1.45
Cyanobacteria	0.54	Deltaproteobacteria	2.48	Lactobacillales	4.06	<i>Pseudonocardiaceae</i>	1.99	<i>Flavobacterium</i>	1.08
Verrucomicrobia	0.44	Sphingobacteriia	2.00	Burkholderiales	3.88	<i>Clostridiaceae</i>	1.98	<i>Mycoplasma</i>	1.06
Thermotogae	0.41	Cytophagia	1.94	Rhodobacterales	3.41	<i>Lactobacillaceae</i>	1.68	<i>Vibrio</i>	0.92