

# MeSH Tree Structures - 2008

## B3 - ORGANISMS-BACTERIA

### Bacteria

<b>Bacteria</b>	B3		
<b>Atypical Bacterial Forms</b>	B3.110		
<b>L Forms</b>	B3.110.422		
<b>Spheroplasts</b>	B3.110.761	A11.868	
<b>Bacteria, Aerobic</b>	B3.120		
<b>Bacteria, Anaerobic</b>	B3.130		
<b>Bacteroidetes</b>	B3.140		
<b>Bacteroidaceae</b>	B3.140.94	B3.440.	
<b>Bacteroides</b>	B3.140.94.152	B3.440.	
<b>Bacteroides fragilis</b>	B3.140.94.152.400	B3.440.	
<b>Porphyromonas</b>	B3.140.94.625	B3.440.	
<b>Porphyromonas endodontalis</b>	B3.140.94.625.350	B3.440.	
<b>Porphyromonas gingivalis</b>	B3.140.94.625.515	B3.440.	
<b>Prevotella</b>	B3.140.94.640	B3.440.	
<b>Prevotella intermedia</b>	B3.140.94.640.375	B3.440.	
<b>Prevotella melaninogenica</b>	B3.140.94.640.500	B3.440.	
<b>Prevotella nigrescens</b>	B3.140.94.640.550	B3.440.	
<b>Prevotella ruminicola</b>	B3.140.94.640.700	B3.440.	
<b>Flavobacteriaceae</b>	B3.140.190	B3.440.	
<b>Capnocytophaga</b>	B3.140.190.100	B3.440.	
<b>Chryseobacterium</b>	B3.140.190.120	B3.440.	
<b>Flavobacterium</b>	B3.140.190.250	B3.440.	
<b>Ornithobacterium</b>	B3.140.190.600	B3.440.	B3.440.
<b>Flexibacteraceae</b>	B3.140.200	B3.440.	
<b>Cytophaga</b>	B3.140.200.150	B3.440.	
<b>Flexibacter</b>	B3.140.200.200	B3.440.	
<b>Rhodothermus</b>	B3.140.750	B3.440.	
<b>Sphingobacterium</b>	B3.140.800	B3.440.	
<b>Biofilms</b>	B3.150	B1.500.	B2.110
		B5.213	B6.384.
<b>Blood-Borne Pathogens</b>	B3.165	B1.500.	B2.120
		B4.909.	B5.248
		B7.50	
<b>Chlorobi</b>	B3.250		
<b>Chlorobium</b>	B3.250.140	B3.440.	
<b>Chloroflexi</b>	B3.275		
<b>Chloroflexus</b>	B3.275.150	B3.440.	
<b>Cyanobacteria</b>	B3.280	B3.440.	
<b>Anabaena</b>	B3.280.100	B3.440.	
<b>Anabaena cylindrica</b>	B3.280.100.150	B3.440.	
<b>Anabaena flos-aquae</b>	B3.280.100.300	B3.440.	
<b>Anabaena variabilis</b>	B3.280.100.900	B3.440.	
<b>Aphanizomenon</b>	B3.280.110	B3.440.	
<b>Cyanothece</b>	B3.280.200	B3.440.	
<b>Cylindrospermopsis</b>	B3.280.210	B3.440.	
<b>Microcystis</b>	B3.280.500	B3.440.	
<b>Nodularia</b>	B3.280.550	B3.440.	
<b>Nostoc</b>	B3.280.575	B3.440.	
<b>Nostoc commune</b>	B3.280.575.150	B3.440.	
<b>Nostoc muscorum</b>	B3.280.575.500	B3.440.	
<b>Oscillatoria</b>	B3.280.612	B3.440.	
<b>Plectonema</b>	B3.280.650	B3.440.	
<b>Spirulina</b>	B3.280.697		
<b>Synechococcus</b>	B3.280.745	B3.440.	
<b>Synechocystis</b>	B3.280.750	B3.440.	
<b>Endospore-Forming Bacteria</b>	B3.300		
<b>Gram-Positive Endospore-Forming Bacteria</b>	B3.300.390	B3.510.	
<b>Gram-Positive Endospore-Forming Rods</b>	B3.300.390.400	B3.510.	B3.510.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Endospore-Forming Bacteria

#### Gram-Positive Endospore-Forming Bacteria

#### Gram-Positive Endospore-Forming Rods

#### Bacillaceae

#### Bacillaceae

##### Bacillus

*Bacillus anthracis*

*Bacillus cereus*

*Bacillus megaterium*

*Bacillus stearothermophilus*

*Bacillus subtilis*

*Bacillus thuringiensis*

##### Clostridium

*Clostridium acetobutylicum*

*Clostridium beijerinckii*

*Clostridium bifermentans*

*Clostridium botulinum*

*Clostridium botulinum* type A

*Clostridium botulinum* type B

*Clostridium botulinum* type C

*Clostridium botulinum* type D

*Clostridium botulinum* type E

*Clostridium botulinum* type F

*Clostridium botulinum* type G

*Clostridium butyricum*

*Clostridium cellulolyticum*

*Clostridium cellulovorans*

*Clostridium chauvoei*

*Clostridium difficile*

*Clostridium histolyticum*

*Clostridium kluveri*

*Clostridium perfringens*

*Clostridium septicum*

*Clostridium sordellii*

*Clostridium sticklandii*

*Clostridium symbiosum*

*Clostridium tertium*

*Clostridium tetani*

*Clostridium tetanomorphum*

*Clostridium thermocellum*

*Clostridium tyrobutyricum*

#### Micromonosporaceae

##### Micromonospora

#### Saccharopolyspora

#### Streptomycetaceae

##### Streptomyces

*Streptomyces antibioticus*

*Streptomyces aureofaciens*

*Streptomyces coelicolor*

*Streptomyces griseus*

*Streptomyces lividans*

#### Fusobacteria

#### Fusobacterium

	B3.300.390.400.158	B3.510.	B3.510.
	B3.300.390.400.158.218	B3.510.	B3.510.
	B3.300.390.400.158.218.151	B3.510.	B3.510.
	B3.300.390.400.158.218.252	B3.510.	B3.510.
	B3.300.390.400.158.218.500	B3.510.	B3.510.
	B3.300.390.400.158.218.700	B3.510.	B3.510.
	B3.300.390.400.158.218.725	B3.510.	B3.510.
	B3.300.390.400.158.218.800	B3.510.	B3.510.
	B3.300.390.400.200	B3.510.	
	B3.300.390.400.200.25	B3.510.	
	B3.300.390.400.200.100	B3.510.	
	B3.300.390.400.200.130	B3.510.	
	B3.300.390.400.200.160	B3.510.	
	B3.300.390.400.200.160.50	B3.510.	
	B3.300.390.400.200.160.100	B3.510.	
	B3.300.390.400.200.160.150	B3.510.	
	B3.300.390.400.200.160.200	B3.510.	
	B3.300.390.400.200.160.250	B3.510.	
	B3.300.390.400.200.160.300	B3.510.	
	B3.300.390.400.200.160.350	B3.510.	
	B3.300.390.400.200.180	B3.510.	
	B3.300.390.400.200.200	B3.510.	
	B3.300.390.400.200.205	B3.510.	
	B3.300.390.400.200.215	B3.510.	
	B3.300.390.400.200.250	B3.510.	
	B3.300.390.400.200.412	B3.510.	
	B3.300.390.400.200.493	B3.510.	
	B3.300.390.400.200.575	B3.510.	
	B3.300.390.400.200.690	B3.510.	
	B3.300.390.400.200.700	B3.510.	
	B3.300.390.400.200.710	B3.510.	
	B3.300.390.400.200.713	B3.510.	
	B3.300.390.400.200.722	B3.510.	
	B3.300.390.400.200.725	B3.510.	
	B3.300.390.400.200.740	B3.510.	
	B3.300.390.400.200.770	B3.510.	
	B3.300.390.400.200.800	B3.510.	
	B3.300.390.400.500	B3.510.	B3.510.
		B3.510.	
	B3.300.390.400.500.500	B3.510.	B3.510.
		B3.510.	
	B3.300.390.400.790	B3.510.	B3.510.
		B3.510.	
	B3.300.390.400.810	B3.510.	B3.510.
		B3.510.	
	B3.300.390.400.810.768	B3.510.	B3.510.
		B3.510.	
	B3.300.390.400.810.768.100	B3.510.	B3.510.
		B3.510.	
	B3.300.390.400.810.768.125	B3.510.	B3.510.
		B3.510.	
	B3.300.390.400.810.768.200	B3.510.	B3.510.
		B3.510.	
	B3.300.390.400.810.768.375	B3.510.	B3.510.
		B3.510.	
	B3.300.390.400.810.768.500	B3.510.	B3.510.
		B3.510.	
	B3.370		
	B3.370.250	B3.440.	

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Fusobacteria

##### Fusobacterium

##### Fusobacterium necrophorum

Fusobacterium necrophorum	B3.370.250.400	B3.440.	
Fusobacterium nucleatum	B3.370.250.500	B3.440.	
Leptotrichia	B3.370.437	B3.440.	
Propionigenium	B3.370.600	B3.440.	
Streptobacillus	B3.370.700	B3.440.	
Gram-Negative Bacteria	B3.440		
Anaplasmataceae	B3.440.40	B3.660.	
Anaplasma	B3.440.40.50	B3.660.	
Anaplasma centrale	B3.440.40.50.100	B3.660.	
Anaplasma marginale	B3.440.40.50.500	B3.660.	
Anaplasma ovis	B3.440.40.50.575	B3.660.	
Anaplasma phagocytophilum	B3.440.40.50.600	B3.660.	
Ehrlichia	B3.440.40.287	B3.660.	
Ehrlichia canis	B3.440.40.287.90	B3.660.	
Ehrlichia chaffeensis	B3.440.40.287.150	B3.660.	
Ehrlichia ruminantium	B3.440.40.287.700	B3.660.	
Neorickettsia	B3.440.40.525	B3.660.	
Neorickettsia risticii	B3.440.40.525.700	B3.660.	
Neorickettsia sennetsu	B3.440.40.525.720	B3.660.	
Arcobacter	B3.440.50	B3.660.	
Bartonellaceae	B3.440.90	B3.660.	
Bartonella	B3.440.90.100	B3.660.	
Bartonella bacilliformis	B3.440.90.100.80	B3.660.	
Bartonella henselae	B3.440.90.100.350	B3.660.	
Bartonella quintana	B3.440.90.100.650	B3.660.	
Brachyspira	B3.440.97	B3.440.	
Brachyspira hyodysenteriae	B3.440.97.100	B3.440.	
Buchnera	B3.440.100	B3.660.	
Campylobacter	B3.440.180	B3.660.	
Campylobacter coli	B3.440.180.200	B3.660.	
Campylobacter fetus	B3.440.180.325	B3.660.	
Campylobacter hyointestinalis	B3.440.180.375	B3.660.	
Campylobacter jejuni	B3.440.180.425	B3.660.	
Campylobacter lari	B3.440.180.500	B3.660.	
Campylobacter rectus	B3.440.180.650	B3.660.	
Campylobacter sputorum	B3.440.180.700	B3.660.	
Campylobacter upsaliensis	B3.440.180.800	B3.660.	
Chlamydiales	B3.440.190		
Chlamydiaceae	B3.440.190.190		
Chlamydia	B3.440.190.190.190		
Chlamydia muridarum	B3.440.190.190.190.500		
Chlamydia trachomatis	B3.440.190.190.190.750		
Chlamydophila	B3.440.190.190.230		
Chlamydophila pneumoniae	B3.440.190.190.230.249		
Chlamydophila psittaci	B3.440.190.190.230.500		
Chloroflexus	B3.440.210	B3.275.	
Gram-Negative Aerobic Bacteria	B3.440.400		
Caulobacter	B3.440.400.280	B3.440.	B3.660.
Caulobacter crescentus	B3.440.400.280.280	B3.440.	B3.660.
Gallionellaceae	B3.440.400.400	B3.660.	
Gram-Negative Aerobic Rods and Cocci	B3.440.400.425		
Acetobacteraceae	B3.440.400.425.100	B3.660.	
Acetobacter	B3.440.400.425.100.100	B3.660.	
Acidiphilium	B3.440.400.425.100.110	B3.660.	
Gluconobacter	B3.440.400.425.100.550	B3.660.	
Gluconobacter oxydans	B3.440.400.425.100.550.550	B3.660.	
Acidithiobacillus	B3.440.400.425.103	B3.660.	
Acidithiobacillus thiooxidans	B3.440.400.425.103.800	B3.660.	

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Negative Bacteria

#### Gram-Negative Aerobic Bacteria

#### Gram-Negative Aerobic Rods and Cocci

#### Afipia

Afipia	B3.440.400.425.110	B3.440.	B3.660.
Alcaligenaceae	B3.440.400.425.117	B3.660.	
Achromobacter	B3.440.400.425.117.24	B3.660.	
Achromobacter cycloclastes	B3.440.400.425.117.24.100	B3.660.	
Achromobacter denitrificans	B3.440.400.425.117.24.120	B3.660.	
Alcaligenes	B3.440.400.425.117.50	B3.660.	
Alcaligenes faecalis	B3.440.400.425.117.50.200	B3.660.	
Bordetella	B3.440.400.425.117.75	B3.660.	
Bordetella avium	B3.440.400.425.117.75.99	B3.660.	
Bordetella bronchiseptica	B3.440.400.425.117.75.200	B3.660.	
Bordetella parapertussis	B3.440.400.425.117.75.540	B3.660.	
Bordetella pertussis	B3.440.400.425.117.75.550	B3.660.	
Taylorella	B3.440.400.425.117.800	B3.660.	
Taylorella equigenitalis	B3.440.400.425.117.800.200	B3.660.	
Alteromonas	B3.440.400.425.126	B3.660.	
Azorhizobium	B3.440.400.425.127	B3.660.	
Azorhizobium caulinodans	B3.440.400.425.127.100	B3.660.	
Bdellovibrio	B3.440.400.425.180	B3.660.	
Bradyrhizobiaceae	B3.440.400.425.200	B3.660.	
Afipia	B3.440.400.425.200.40	B3.440.	B3.660.
Bradyrhizobium	B3.440.400.425.200.90	B3.440.	B3.660.
Nitrobacter	B3.440.400.425.200.520	B3.660.	
Rhodopseudomonas	B3.440.400.425.200.700	B3.660.	
Bradyrhizobium	B3.440.400.425.205	B3.440.	B3.660.
Brucellaceae	B3.440.400.425.215	B3.660.	
Brucella	B3.440.400.425.215.500	B3.660.	
Brucella abortus	B3.440.400.425.215.500.100	B3.660.	
Brucella canis	B3.440.400.425.215.500.150	B3.660.	
Brucella melitensis	B3.440.400.425.215.500.500	B3.660.	
Brucella ovis	B3.440.400.425.215.500.625	B3.660.	
Brucella suis	B3.440.400.425.215.500.750	B3.660.	
Burkholderiaceae	B3.440.400.425.251	B3.660.	
Burkholderia	B3.440.400.425.251.100	B3.660.	
Burkholderia cepacia complex	B3.440.400.425.251.100.110	B3.660.	
Burkholderia cepacia	B3.440.400.425.251.100.110.500	B3.660.	
Burkholderia gladioli	B3.440.400.425.251.100.355	B3.660.	
Burkholderia mallei	B3.440.400.425.251.100.477	B3.660.	
Burkholderia pseudomallei	B3.440.400.425.251.100.600	B3.660.	
Cupriavidus	B3.440.400.425.251.200	B3.660.	
Cupriavidus necator	B3.440.400.425.251.200.200	B3.660.	
Ralstonia	B3.440.400.425.251.650	B3.660.	
Ralstonia pickettii	B3.440.400.425.251.650.600	B3.660.	
Ralstonia solanacearum	B3.440.400.425.251.650.750	B3.660.	
Caulobacteraceae	B3.440.400.425.288	B3.660.	
Caulobacter	B3.440.400.425.288.100	B3.440.	B3.660.
Caulobacter crescentus	B3.440.400.425.288.100.100	B3.440.	B3.660.
Comamonadaceae	B3.440.400.425.292	B3.660.	
Comamonas	B3.440.400.425.292.150	B3.660.	
Comamonas testosteroni	B3.440.400.425.292.150.750	B3.660.	
Delftia	B3.440.400.425.292.170	B3.660.	
Delftia acidovorans	B3.440.400.425.292.170.30	B3.660.	
Leptothrix	B3.440.400.425.292.500	B3.660.	
Sphaerotilus	B3.440.400.425.292.750	B3.660.	
Coxiellaceae	B3.440.400.425.297	B3.660.	
Coxiella	B3.440.400.425.297.150	B3.660.	
Coxiella burnetii	B3.440.400.425.297.150.100	B3.660.	
Flavobacteriaceae	B3.440.400.425.310	B3.140.	
Chryseobacterium	B3.440.400.425.310.120	B3.140.	

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Negative Bacteria

#### Gram-Negative Aerobic Bacteria

#### Gram-Negative Aerobic Rods and Cocci

#### Flavobacteriaceae

#### Flavobacterium

#### Flavobacterium

B3.440.400.425.310.250

B3.140.

#### Ornithobacterium

B3.440.400.425.310.600

B3.140.

B3.440.

#### Flexibacteraceae

B3.440.400.425.325

B3.140.

#### Cytophaga

B3.440.400.425.325.150

B3.140.

#### Flexibacter

B3.440.400.425.325.200

B3.140.

#### Francisella

B3.440.400.425.340

B3.660.

#### Francisella tularensis

B3.440.400.425.340.590

B3.660.

#### Gluconacetobacter

B3.440.400.425.365

B3.660.

#### Gluconacetobacter xylinus

B3.440.400.425.365.500

B3.660.

#### Halomonadaceae

B3.440.400.425.377

B3.660.

#### Halomonas

B3.440.400.425.377.500

B3.660.

#### Halothiobacillus

B3.440.400.425.395

B3.660.

#### Legionellaceae

B3.440.400.425.450

B3.660.

#### Legionella

B3.440.400.425.450.450

B3.660.

#### Legionella longbeachae

B3.440.400.425.450.450.400

B3.660.

#### Legionella pneumophila

B3.440.400.425.450.450.500

B3.660.

#### Leptospiraceae

B3.440.400.425.475

B3.851.

#### Leptospira

B3.440.400.425.475.475

B3.851.

#### Leptospira interrogans

B3.440.400.425.475.475.400

B3.851.

#### Leptospira interrogans serovar australis

B3.440.400.425.475.475.400.50

B3.851.

#### Leptospira interrogans serovar autumnalis

B3.440.400.425.475.475.400.55

B3.851.

#### Leptospira Interrogans serovar canicola

B3.440.400.425.475.475.400.150

B3.851.

#### Leptospira interrogans serovar hebdomadis

B3.440.400.425.475.475.400.400

B3.851.

#### Leptospira interrogans serovar icterohaemorrhagiae

B3.440.400.425.475.475.400.420

B3.851.

#### Leptospira interrogans serovar pomona

B3.440.400.425.475.475.400.650

B3.851.

#### Methylobacteriaceae

B3.440.400.425.487

B3.660.

#### Methylobacterium

B3.440.400.425.487.500

B3.660.

#### Methylobacterium extorquens

B3.440.400.425.487.500.150

B3.660.

#### Methylococcaceae

B3.440.400.425.500

B3.660.

#### Methylococcus

B3.440.400.425.500.500

B3.660.

#### Methylococcus capsulatus

B3.440.400.425.500.500.100

B3.660.

#### Methylomonas

B3.440.400.425.500.505

B3.660.

#### Methylophilaceae

B3.440.400.425.525

B3.660.

#### Methylobacillus

B3.440.400.425.525.500

B3.660.

#### Methylophilus

B3.440.400.425.525.520

B3.660.

#### Methylophilus methylotrophus

B3.440.400.425.525.520.500

B3.660.

#### Moraxellaceae

B3.440.400.425.537

B3.660.

#### Acinetobacter

B3.440.400.425.537.50

B3.660.

#### Acinetobacter baumannii

B3.440.400.425.537.50.99

B3.660.

#### Acinetobacter calcoaceticus

B3.440.400.425.537.50.200

B3.660.

#### Moraxella

B3.440.400.425.537.525

B3.660.

#### Moraxella (Branhamella) catarrhalis

B3.440.400.425.537.525.200

B3.660.

#### Moraxella (Moraxella) bovis

B3.440.400.425.537.525.500

B3.660.

#### Psychrobacter

B3.440.400.425.537.650

B3.660.

#### Neisseriaceae

B3.440.400.425.550

B3.660.

#### Kingella

B3.440.400.425.550.400

B3.660.

#### Kingella kingae

B3.440.400.425.550.400.375

B3.660.

#### Neisseria

B3.440.400.425.550.550

B3.660.

#### Neisseria cinerea

B3.440.400.425.550.550.125

B3.660.

#### Neisseria elongata

B3.440.400.425.550.550.299

B3.660.

#### Neisseria gonorrhoeae

B3.440.400.425.550.550.474

B3.660.

#### Neisseria lactamica

B3.440.400.425.550.550.600

B3.660.

#### Neisseria meningitidis

B3.440.400.425.550.550.641

B3.660.

#### Neisseria meningitidis, Serogroup A

B3.440.400.425.550.550.641.700

B3.660.

#### Neisseria meningitidis, Serogroup B

B3.440.400.425.550.550.641.710

B3.660.

#### Neisseria meningitidis, Serogroup C

B3.440.400.425.550.550.641.720

B3.660.

#### Neisseria meningitidis, Serogroup W-135

B3.440.400.425.550.550.641.800

B3.660.

#### Neisseria meningitidis, Serogroup Y

B3.440.400.425.550.550.641.820

B3.660.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Negative Bacteria

#### Gram-Negative Aerobic Bacteria

#### Gram-Negative Aerobic Rods and Cocci

#### Neisseriaceae

#### Neisseria

Neisseria mucosa

B3.440.400.425.550.550.660

B3.660.

Neisseria sicca

B3.440.400.425.550.550.800

B3.660.

#### Nitrosomonadaceae

B3.440.400.425.562

B3.660.

#### Nitrosomonas

B3.440.400.425.562.500

B3.660.

Nitrosomonas europaea

B3.440.400.425.562.500.200

B3.660.

#### Ochrobactrum

B3.440.400.425.575

B3.660.

Ochrobactrum anthropi

B3.440.400.425.575.650

B3.660.

#### Oxalobacteraceae

B3.440.400.425.587

B3.660.

#### Herbaspirillum

B3.440.400.425.587.400

B3.660.

#### Paracoccus

B3.440.400.425.600

B3.660.

Paracoccus denitrificans

B3.440.400.425.600.380

B3.660.

Paracoccus pantotrophus

B3.440.400.425.600.690

B3.660.

#### Pseudoalteromonas

B3.440.400.425.622

B3.660.

#### Pseudomonadaceae

B3.440.400.425.625

B3.660.

#### Azotobacter

B3.440.400.425.625.50

B3.660.

Azotobacter vinelandii

B3.440.400.425.625.50.850

B3.660.

#### Cellvibrio

B3.440.400.425.625.150

B3.660.

#### Pseudomonas

B3.440.400.425.625.625

B3.660.

Pseudomonas aeruginosa

B3.440.400.425.625.625.100

B3.660.

Pseudomonas alcaligenes

B3.440.400.425.625.625.120

B3.660.

Pseudomonas fluorescens

B3.440.400.425.625.625.325

B3.660.

Pseudomonas fragi

B3.440.400.425.625.625.350

B3.660.

Pseudomonas mendocina

B3.440.400.425.625.625.500

B3.660.

Pseudomonas oleovorans

B3.440.400.425.625.625.650

B3.660.

Pseudomonas pseudoalcaligenes

B3.440.400.425.625.625.662

B3.660.

Pseudomonas putida

B3.440.400.425.625.625.675

B3.660.

Pseudomonas stutzeri

B3.440.400.425.625.625.750

B3.660.

Pseudomonas syringae

B3.440.400.425.625.625.770

B3.660.

#### Rhizobiaceae

B3.440.400.425.700

B3.660.

#### Rhizobium

B3.440.400.425.700.800

B3.660.

Rhizobium etli

B3.440.400.425.700.800.337

B3.660.

Rhizobium leguminosarum

B3.440.400.425.700.800.450

B3.660.

Rhizobium phaseoli

B3.440.400.425.700.800.600

B3.660.

Rhizobium radiobacter

B3.440.400.425.700.800.700

B3.660.

Rhizobium tropici

B3.440.400.425.700.800.800

B3.660.

#### Sinorhizobium

B3.440.400.425.700.887

B3.660.

Sinorhizobium fredii

B3.440.400.425.700.887.249

B3.660.

Sinorhizobium meliloti

B3.440.400.425.700.887.500

B3.660.

#### Rhodospirillaceae

B3.440.400.425.708

B3.660.

#### Azospirillum

B3.440.400.425.708.100

B3.660.

Azospirillum brasilense

B3.440.400.425.708.100.20

B3.660.

Azospirillum lipoferum

B3.440.400.425.708.100.510

B3.660.

#### Magnetospirillum

B3.440.400.425.708.500

B3.660.

#### Rhodospirillum

B3.440.400.425.708.733

B3.660.

Rhodospirillum centenum

B3.440.400.425.708.733.150

B3.660.

Rhodospirillum rubrum

B3.440.400.425.708.733.650

B3.660.

#### Rhodothermus

B3.440.400.425.710

B3.140.

#### Sphingobacterium

B3.440.400.425.745

B3.140.

#### Sphingomonas

B3.440.400.425.750

B3.660.

#### Thermus

B3.440.400.425.875

B3.660.

Thermus thermophilus

B3.440.400.425.875.875

B3.660.

#### Xanthobacter

B3.440.400.425.935

B3.660.

#### Xanthomonadaceae

B3.440.400.425.967

B3.660.

#### Lysobacter

B3.440.400.425.967.500

B3.660.

#### Stenotrophomonas

B3.440.400.425.967.750

B3.660.

Stenotrophomonas maltophilia

B3.440.400.425.967.750.500

B3.660.

#### Xanthomonas

B3.440.400.425.967.930

B3.660.

Xanthomonas campestris

B3.440.400.425.967.930.100

B3.660.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Negative Bacteria

##### Gram-Negative Aerobic Bacteria

##### Gram-Negative Aerobic Rods and Cocci

##### Xanthomonadaceae

##### Xanthomonas

##### Xanthomonas vesicatoria

B3.440.400.425.967.930.850 B3.660.

##### Xylella

B3.440.400.425.967.950 B3.660.

##### Zoogloea

B3.440.400.425.983 B3.660.

##### Gram-Negative Chemolithotrophic Bacteria

B3.440.400.450

##### Thiobacillus

B3.440.400.450.800 B3.660.

##### Thiotrichaceae

B3.440.400.645

##### Beggiatoa

B3.440.400.645.100 B3.660.

##### Thiothrix

B3.440.400.645.800 B3.660.

##### Vitreoscilla

B3.440.400.840 B3.660.

##### Gram-Negative Anaerobic Bacteria

B3.440.425

##### Gram-Negative Anaerobic Cocci

B3.440.425.400

##### Megasphaera

B3.440.425.400.500

##### Thiocapsa

B3.440.425.400.750 B3.660.

##### Thiocapsa roseopersicina

B3.440.425.400.750.660 B3.660.

##### Gram-Negative Anaerobic Straight, Curved, and Helical Rods

B3.440.425.410

##### Acidaminococcaceae

B3.440.425.410.96

##### Acidaminococcus

B3.440.425.410.96.20

##### Pectinatus

B3.440.425.410.96.755

##### Selenomonas

B3.440.425.410.96.877 B3.440.

##### Veillonella

B3.440.425.410.96.938

##### Anaerobiospirillum

B3.440.425.410.145 B3.660.

##### Bacteroidaceae

B3.440.425.410.194

##### Bacteroides

B3.440.425.410.194.152 B3.140.

##### Bacteroides fragilis

B3.440.425.410.194.152.400 B3.140.

##### Porphyromonas

B3.440.425.410.194.625

##### Porphyromonas endodontalis

B3.440.425.410.194.625.350 B3.140.

##### Porphyromonas gingivalis

B3.440.425.410.194.625.515 B3.140.

##### Prevotella

B3.440.425.410.194.640

##### Prevotella intermedia

B3.440.425.410.194.640.375 B3.140.

##### Prevotella melaninogenica

B3.440.425.410.194.640.500 B3.140.

##### Prevotella nigrescens

B3.440.425.410.194.640.550 B3.140.

##### Prevotella ruminicola

B3.440.425.410.194.640.700 B3.140.

##### Bilophila

B3.440.425.410.200 B3.660.

##### Brachyspira

B3.440.425.410.220 B3.440.

##### Brachyspira hyodysenteriae

B3.440.425.410.220.100 B3.440.

##### Butyrivibrio

B3.440.425.410.237 B3.510.

##### Chlorobium

B3.440.425.410.275 B3.250.

##### Chromatium

B3.440.425.410.290 B3.660.

##### Desulfovibrio

B3.440.425.410.350 B3.660. B3.900.

##### Desulfovibrio africanus

B3.440.425.410.350.40 B3.660. B3.900.

##### Desulfovibrio desulfuricans

B3.440.425.410.350.150 B3.660. B3.900.

##### Desulfovibrio gigas

B3.440.425.410.350.350 B3.660. B3.900.

##### Desulfovibrio vulgaris

B3.440.425.410.350.875 B3.660. B3.900.

##### Desulfuromonas

B3.440.425.410.360 B3.660. B3.900.

##### Dichelobacter nodosus

B3.440.425.410.400 B3.440. B3.660.

##### Ectothiorhodospiraceae

B3.440.425.410.405

##### Ectothiorhodospira

B3.440.425.410.405.500 B3.660.

##### Ectothiorhodospira shaposhnikovii

B3.440.425.410.405.500.720 B3.660.

##### Halorhodospira halophila

B3.440.425.410.405.750 B3.660.

##### Fibrobacter

B3.440.425.410.410

##### Fusobacterium

B3.440.425.410.420 B3.370.

##### Fusobacterium necrophorum

B3.440.425.410.420.400 B3.370.

##### Fusobacterium nucleatum

B3.440.425.410.420.500 B3.370.

##### Geobacter

B3.440.425.410.430 B3.660.

##### Leptotrichia

B3.440.425.410.535 B3.370.

##### Oxalobacter formigenes

B3.440.425.410.580 B3.660.

##### Propionigenium

B3.440.425.410.600 B3.370.

##### Selenomonas

B3.440.425.410.700 B3.440.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Negative Bacteria

#### Gram-Negative Anaerobic Bacteria

#### Gram-Negative Anaerobic Straight, Curved, and Helical Rods

#### Spirochaetaceae

#### Spirochaetaceae

##### Borrelia

##### Borrelia burgdorferi Group

##### Borrelia burgdorferi

##### Spirochaeta

##### Treponema

##### Treponema denticola

##### Treponema pallidum

#### Succinivibrionaceae

##### Thauera

##### Thermotoga maritima

##### Thermotoga neapolitana

##### Wolinella

#### Gram-Negative Facultatively Anaerobic Rods

#### Actinobacillus

##### Actinobacillus actinomycetemcomitans

##### Actinobacillus equuli

##### Actinobacillus pleuropneumoniae

##### Actinobacillus seminis

##### Actinobacillus suis

#### Aeromonadaceae

##### Aeromonas

##### Aeromonas hydrophila

##### Aeromonas salmonicida

#### Azoarcus

#### Capnocytophaga

#### Cardiobacteriaceae

##### Cardiobacterium

##### Dichelobacter nodosus

#### Chromobacterium

#### Eikenella

##### Eikenella corrodens

#### Enterobacteriaceae

##### Calymmatobacterium

##### Citrobacter

##### Citrobacter freundii

##### Citrobacter koseri

##### Citrobacter rodentium

##### Edwardsiella

##### Edwardsiella ictaluri

##### Edwardsiella tarda

##### Enterobacter

##### Enterobacter aerogenes

##### Enterobacter cloacae

##### Enterobacter sakazakii

##### Erwinia

##### Erwinia amylovora

#### Escherichia

##### Escherichia coli

##### Enteropathogenic Escherichia coli

##### Enterotoxigenic Escherichia coli

##### Escherichia coli K12

##### Shiga-Toxigenic Escherichia coli

##### Enterohemorrhagic Escherichia coli

##### Escherichia coli O157

#### Hafnia

##### Hafnia alvei

#### Klebsiella

	B3.440.425.410.711	B3.851.
	B3.440.425.410.711.193	B3.851.
	B3.440.425.410.711.193.150	B3.851.
	B3.440.425.410.711.193.150.125	B3.851.
	B3.440.425.410.711.679	B3.851.
	B3.440.425.410.711.795	B3.851.
	B3.440.425.410.711.795.700	B3.851.
	B3.440.425.410.711.795.840	B3.851.
	B3.440.425.410.722	B3.660.
	B3.440.425.410.745	B3.660.
	B3.440.425.410.750	
	B3.440.425.410.760	
	B3.440.425.410.875	B3.660.
	B3.440.450	
	B3.440.450.09	B3.660.
	B3.440.450.09.50	B3.660.
	B3.440.450.09.200	B3.660.
	B3.440.450.09.580	B3.660.
	B3.440.450.09.675	B3.660.
	B3.440.450.09.700	B3.660.
	B3.440.450.19	B3.660.
	B3.440.450.19.25	B3.660.
	B3.440.450.19.25.380	B3.660.
	B3.440.450.19.25.690	B3.660.
	B3.440.450.40	B3.660.
	B3.440.450.340	B3.140.
	B3.440.450.342	B3.660.
	B3.440.450.342.100	B3.660.
	B3.440.450.342.550	B3.440.
	B3.440.450.360	B3.660.
	B3.440.450.400	B3.660.
	B3.440.450.400.275	B3.660.
	B3.440.450.425	B3.660.
	B3.440.450.425.180	B3.660.
	B3.440.450.425.200	B3.660.
	B3.440.450.425.200.275	B3.660.
	B3.440.450.425.200.475	B3.660.
	B3.440.450.425.200.737	B3.660.
	B3.440.450.425.260	B3.660.
	B3.440.450.425.260.340	B3.660.
	B3.440.450.425.260.750	B3.660.
	B3.440.450.425.275	B3.660.
	B3.440.450.425.275.99	B3.660.
	B3.440.450.425.275.200	B3.660.
	B3.440.450.425.275.700	B3.660.
	B3.440.450.425.300	B3.660.
	B3.440.450.425.300.50	B3.660.
	B3.440.450.425.325	B3.660.
	B3.440.450.425.325.300	B3.660.
	B3.440.450.425.325.300.330	B3.660.
	B3.440.450.425.325.300.340	B3.660.
	B3.440.450.425.325.300.360	B3.660.
	B3.440.450.425.325.300.800	B3.660.
	B3.440.450.425.325.300.800.250	B3.660.
	B3.440.450.425.325.300.800.250.500	B3.660.
	B3.440.450.425.375	B3.660.
	B3.440.450.425.375.50	B3.660.
	B3.440.450.425.425	B3.660.

B3.660.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Negative Bacteria

#### Gram-Negative Facultatively Anaerobic Rods

#### Enterobacteriaceae

##### Klebsiella

##### Klebsiella oxytoca

##### Klebsiella oxytoca

B3.440.450.425.425.580

B3.660.

##### Klebsiella pneumoniae

B3.440.450.425.425.600

B3.660.

##### Kluyvera

B3.440.450.425.435

B3.660.

##### Morganella

B3.440.450.425.500

B3.660.

##### Morganella morganii

B3.440.450.425.500.500

B3.660.

##### Pantoea

B3.440.450.425.580

B3.660.

##### Pectobacterium

B3.440.450.425.585

B3.660.

##### Pectobacterium carotovorum

B3.440.450.425.585.120

B3.660.

##### Pectobacterium chrysanthemi

B3.440.450.425.585.150

B3.660.

##### Photorhabdus

B3.440.450.425.590

B3.660.

##### Plesiomonas

B3.440.450.425.595

B3.660.

##### Proteus

B3.440.450.425.600

B3.660.

##### Proteus mirabilis

B3.440.450.425.600.501

B3.660.

##### Proteus penneri

B3.440.450.425.600.650

B3.660.

##### Proteus vulgaris

B3.440.450.425.600.800

B3.660.

##### Providencia

B3.440.450.425.670

B3.660.

##### Salmonella

B3.440.450.425.800

B3.660.

##### Salmonella arizonae

B3.440.450.425.800.100

B3.660.

##### Salmonella enterica

B3.440.450.425.800.200

B3.660.

##### Salmonella enteritidis

B3.440.450.425.800.200.300

B3.660.

##### Salmonella paratyphi A

B3.440.450.425.800.200.600

B3.660.

##### Salmonella paratyphi B

B3.440.450.425.800.200.700

B3.660.

##### Salmonella paratyphi C

B3.440.450.425.800.200.750

B3.660.

##### Salmonella typhi

B3.440.450.425.800.200.800

B3.660.

##### Salmonella typhimurium

B3.440.450.425.800.200.825

B3.660.

##### Serratia

B3.440.450.425.814

B3.660.

##### Serratia liquefaciens

B3.440.450.425.814.620

B3.660.

##### Serratia marcescens

B3.440.450.425.814.664

B3.660.

##### Shigella

B3.440.450.425.850

B3.660.

##### Shigella boydii

B3.440.450.425.850.175

B3.660.

##### Shigella dysenteriae

B3.440.450.425.850.350

B3.660.

##### Shigella flexneri

B3.440.450.425.850.450

B3.660.

##### Shigella sonnei

B3.440.450.425.850.800

B3.660.

##### Wigglesworthia

B3.440.450.425.887

B3.660.

##### Xenorhabdus

B3.440.450.425.890

B3.660.

##### Yersinia

B3.440.450.425.900

B3.660.

##### Yersinia enterocolitica

B3.440.450.425.900.300

B3.660.

##### Yersinia pestis

B3.440.450.425.900.600

B3.660.

##### Yersinia pseudotuberculosis

B3.440.450.425.900.615

B3.660.

##### Yersinia rucker

B3.440.450.425.900.650

B3.660.

#### Gardnerella

##### Gardnerella vaginalis

B3.440.450.467

B3.510.

##### Gardnerella vaginalis

B3.440.450.467.800

B3.510.

#### Moritella

B3.440.450.510

B3.660.

#### Pasteurellaceae

B3.440.450.600

B3.660.

##### Haemophilus

B3.440.450.600.450

B3.660.

##### Haemophilus ducreyi

B3.440.450.600.450.125

B3.660.

##### Haemophilus influenzae

B3.440.450.600.450.330

B3.660.

##### Haemophilus influenzae type b

B3.440.450.600.450.330.150

B3.660.

##### Haemophilus paragallinarum

B3.440.450.600.450.665

B3.660.

##### Haemophilus parainfluenzae

B3.440.450.600.450.675

B3.660.

##### Haemophilus paraphrophilus

B3.440.450.600.450.690

B3.660.

##### Haemophilus parasuis

B3.440.450.600.450.700

B3.660.

##### Haemophilus somnus

B3.440.450.600.450.750

B3.660.

#### Mannheimia

B3.440.450.600.500

B3.660.

##### Mannheimia haemolytica

B3.440.450.600.500.500

B3.660.

#### Pasteurella

B3.440.450.600.600

B3.660.

##### Pasteurella multocida

B3.440.450.600.600.500

B3.660.

##### Pasteurella pneumotropica

B3.440.450.600.600.650

B3.660.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Negative Bacteria

#### Gram-Negative Facultatively Anaerobic Rods

#### Rahnella

Rahnella	B3.440.450.650	B3.660.
Shewanella	B3.440.450.690	B3.660.
Shewanella putrefaciens	B3.440.450.690.590	B3.660.
Streptobacillus	B3.440.450.700	B3.370.
Vibrionaceae	B3.440.450.900	B3.660.
Listonella	B3.440.450.900.500	B3.660.
Photobacterium	B3.440.450.900.604	B3.660.
Vibrio	B3.440.450.900.859	B3.660.
Vibrio alginolyticus	B3.440.450.900.859.30	B3.660.
Vibrio cholerae	B3.440.450.900.859.225	B3.660.
Vibrio cholerae non-O1	B3.440.450.900.859.225.75	B3.660.
Vibrio cholerae O1	B3.440.450.900.859.225.151	B3.660.
Vibrio cholerae O139	B3.440.450.900.859.225.200	B3.660.
Vibrio fischeri	B3.440.450.900.859.300	B3.660.
Vibrio mimicus	B3.440.450.900.859.500	B3.660.
Vibrio parahaemolyticus	B3.440.450.900.859.550	B3.660.
Vibrio salmonicida	B3.440.450.900.859.745	B3.660.
Vibrio vulnificus	B3.440.450.900.859.900	B3.660.
Zymomonas	B3.440.450.980	B3.660.
Gram-Negative Oxygenic Photosynthetic Bacteria	B3.440.475	
Cyanobacteria	B3.440.475.100	B3.280
Anabaena	B3.440.475.100.100	B3.280.
Anabaena cylindrica	B3.440.475.100.100.150	B3.280.
Anabaena flos-aquae	B3.440.475.100.100.300	B3.280.
Anabaena variabilis	B3.440.475.100.100.900	B3.280.
Aphanizomenon	B3.440.475.100.110	B3.280.
Cyanotheca	B3.440.475.100.200	B3.280.
Cylindrospermopsis	B3.440.475.100.210	B3.280.
Microcystis	B3.440.475.100.500	B3.280.
Nodularia	B3.440.475.100.550	B3.280.
Nostoc	B3.440.475.100.575	B3.280.
Nostoc commune	B3.440.475.100.575.150	B3.280.
Nostoc muscorum	B3.440.475.100.575.500	B3.280.
Oscillatoria	B3.440.475.100.612	B3.280.
Plectonema	B3.440.475.100.650	B3.280.
Prochlorophytes	B3.440.475.100.655	
Prochlorococcus	B3.440.475.100.655.600	
Prochloron	B3.440.475.100.655.620	
Prochlorothrix	B3.440.475.100.655.640	
Synechococcus	B3.440.475.100.745	B3.280.
Synechocystis	B3.440.475.100.750	B3.280.
Helicobacter	B3.440.500	B3.660.
Helicobacter felis	B3.440.500.250	B3.660.
Helicobacter heilmannii	B3.440.500.350	B3.660.
Helicobacter hepaticus	B3.440.500.362	B3.660.
Helicobacter mustelae	B3.440.500.450	B3.660.
Helicobacter pylori	B3.440.500.550	B3.660.
Lawsonia Bacteria	B3.440.520	B3.660.
Methylosinus	B3.440.540	B3.660.
Methylosinus trichosporium	B3.440.540.500	B3.660.
Mollicutes	B3.440.560	
Acholeplasmataceae	B3.440.560.74	
Acholeplasma	B3.440.560.74.150	
Acholeplasma laidlawii	B3.440.560.74.150.500	
Phytoplasma	B3.440.560.74.575	
Entomoplasmataceae	B3.440.560.112	
Erysipelothrix	B3.440.560.365	B3.510.
Mycoplasmatales	B3.440.560.580	

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Negative Bacteria

##### Mollicutes

##### Mycoplasmatales

##### Mycoplasmataceae

##### Mycoplasmataceae

##### Mycoplasma

*Mycoplasma agalactiae*

*Mycoplasma arthritidis*

*Mycoplasma bovis genitalium*

*Mycoplasma bovis*

*Mycoplasma capricolum*

*Mycoplasma conjunctivae*

*Mycoplasma dispar*

*Mycoplasma fermentans*

*Mycoplasma gallisepticum*

*Mycoplasma genitalium*

*Mycoplasma hominis*

*Mycoplasma hyopneumoniae*

*Mycoplasma hyorhinis*

*Mycoplasma hyosynoviae*

*Mycoplasma iowae*

*Mycoplasma meleagridis*

*Mycoplasma mycoides*

*Mycoplasma orale*

*Mycoplasma ovipneumoniae*

*Mycoplasma penetrans*

*Mycoplasma pneumoniae*

*Mycoplasma pulmonis*

*Mycoplasma salivarium*

*Mycoplasma synoviae*

##### Ureaplasma

*Ureaplasma urealyticum*

##### Spiroplasmataceae

##### Spiroplasma

*Spiroplasma citri*

##### Oceanospirillaceae

##### Ornithobacterium

##### Piscirickettsiaceae

##### Rhodobacter

*Rhodobacter capsulatus*

*Rhodobacter sphaeroides*

##### Rhodomicrobium

##### Rhodovulum

##### Rickettsiaceae

##### Rickettsiae

*Orientia tsutsugamushi*

##### Rickettsia

*Rickettsia akari*

*Rickettsia conorii*

*Rickettsia felis*

*Rickettsia prowazekii*

*Rickettsia rickettsii*

*Rickettsia typhi*

##### Wolbachia

##### Roseobacter

##### Spirillaceae

##### Spirillum

#### Gram-Positive Bacteria

##### Actinobacteria

##### Actinomycetales

##### Actinomycetaceae

##### Actinomyces

B3.440.560.580.553

B3.440.560.580.553.553

B3.440.560.580.553.553.50

B3.440.560.580.553.553.75

B3.440.560.580.553.553.195

B3.440.560.580.553.553.200

B3.440.560.580.553.553.210

B3.440.560.580.553.553.220

B3.440.560.580.553.553.267

B3.440.560.580.553.553.315

B3.440.560.580.553.553.345

B3.440.560.580.553.553.355

B3.440.560.580.553.553.400

B3.440.560.580.553.553.420

B3.440.560.580.553.553.425

B3.440.560.580.553.553.430

B3.440.560.580.553.553.450

B3.440.560.580.553.553.570

B3.440.560.580.553.553.585

B3.440.560.580.553.553.630

B3.440.560.580.553.553.635

B3.440.560.580.553.553.645

B3.440.560.580.553.553.650

B3.440.560.580.553.553.670

B3.440.560.580.553.553.720

B3.440.560.580.553.553.770

B3.440.560.580.553.900

B3.440.560.580.553.900.800

B3.440.560.895

B3.440.560.895.625

B3.440.560.895.625.500

B3.440.595

B3.660.

B3.440.602

B3.140.

B3.440.

B3.440.612

B3.660.

B3.440.623

B3.660.

B3.440.623.225

B3.660.

B3.440.623.700

B3.660.

B3.440.645

B3.660.

B3.440.646

B3.660.

B3.440.647

B3.660.

B3.440.647.650

B3.660.

B3.440.647.650.550

B3.660.

B3.440.647.650.650

B3.660.

B3.440.647.650.650.40

B3.660.

B3.440.647.650.650.125

B3.660.

B3.440.647.650.650.362

B3.660.

B3.440.647.650.650.600

B3.660.

B3.440.647.650.650.650

B3.660.

B3.440.647.650.650.810

B3.660.

B3.440.647.825

B3.660.

B3.440.680

B3.660.

B3.440.840

B3.660.

B3.440.840.750

B3.660.

B3.510

B3.510.24

B3.510.

B3.510.24.49

B3.510.24.49.50

B3.510.

B3.510.24.49.50.50

B3.510.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Positive Bacteria

##### Actinobacteria

##### Actinomycetales

##### Actinomycetaceae

##### Actinomyces

Actinomyces viscosus

B3.510.24.49.50.50.50

B3.510.

##### Mobiluncus

B3.510.24.49.50.525

B3.510.

##### Brevibacterium

B3.510.24.49.100

B3.510.

##### Cellulomonas

B3.510.24.49.150

##### Corynebacterium

B3.510.24.49.180

B3.510.

Brevibacterium flavum

B3.510.24.49.180.100

Corynebacterium diphtheriae

B3.510.24.49.180.150

B3.510.

Corynebacterium glutamicum

B3.510.24.49.180.300

B3.510.

Corynebacterium pseudotuberculosis

B3.510.24.49.180.600

B3.510.

Corynebacterium pyogenes

B3.510.24.49.180.625

B3.510.

##### Frankia

B3.510.24.49.250

##### Gordonia Bacterium

B3.510.24.49.300

##### Micrococcaceae

B3.510.24.49.475

B3.510.

##### Arthrobacter

B3.510.24.49.475.50

B3.510.

##### Micrococcus

B3.510.24.49.475.500

B3.510.

Micrococcus luteus

B3.510.24.49.475.500.500

B3.510.

##### Micromonosporaceae

B3.510.24.49.500

B3.300.

B3.510.

##### Micromonospora

B3.510.24.49.500.500

B3.300.

B3.510.

##### Mycobacteriaceae

B3.510.24.49.525

B3.510.

##### Mycobacterium

B3.510.24.49.525.500

B3.510.

##### Mycobacteria, Atypical

B3.510.24.49.525.500.250

B3.510.

Mycobacterium avium Complex

B3.510.24.49.525.500.250.100

B3.510.

Mycobacterium chelonae

B3.510.24.49.525.500.250.225

B3.510.

Mycobacterium fortuitum

B3.510.24.49.525.500.250.325

B3.510.

Mycobacterium kansasii

B3.510.24.49.525.500.250.400

B3.510.

Mycobacterium marinum

B3.510.24.49.525.500.250.500

B3.510.

Mycobacterium scrofulaceum

B3.510.24.49.525.500.250.625

B3.510.

Mycobacterium smegmatis

B3.510.24.49.525.500.250.662

B3.510.

Mycobacterium ulcerans

B3.510.24.49.525.500.250.700

B3.510.

Mycobacterium xenopi

B3.510.24.49.525.500.250.950

B3.510.

Mycobacterium avium

B3.510.24.49.525.500.300

B3.510.

Mycobacterium avium subsp. paratuberculosis

B3.510.24.49.525.500.300.600

B3.510.

Mycobacterium bovis

B3.510.24.49.525.500.402

B3.510.

Mycobacterium haemophilum

B3.510.24.49.525.500.480

B3.510.

Mycobacterium leprae

B3.510.24.49.525.500.502

B3.510.

Mycobacterium lepraemurium

B3.510.24.49.525.500.602

B3.510.

Mycobacterium phlei

B3.510.24.49.525.500.640

B3.510.

Mycobacterium tuberculosis

B3.510.24.49.525.500.702

B3.510.

##### Nocardiaceae

B3.510.24.49.537

##### Nocardia

B3.510.24.49.537.550

Nocardia asteroides

B3.510.24.49.537.550.550

##### Rhodococcus

B3.510.24.49.537.775

Rhodococcus equi

B3.510.24.49.537.775.700

##### Propionibacteriaceae

B3.510.24.49.600

B3.510.

##### Propionibacterium

B3.510.24.49.600.600

B3.510.

Propionibacterium acnes

B3.510.24.49.600.600.600

B3.510.

##### Saccharopolyspora

B3.510.24.49.750

B3.300.

B3.510.

##### Streptomycetaceae

B3.510.24.49.775

B3.300.

B3.510.

##### Streptomyces

B3.510.24.49.775.775

B3.300.

B3.510.

Streptomyces antibioticus

B3.510.24.49.775.775.100

B3.300.

B3.510.

Streptomyces aureofaciens

B3.510.24.49.775.775.125

B3.300.

B3.510.

B3.510.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Positive Bacteria

##### Actinobacteria

##### Actinomycetales

##### Streptomycetaceae

##### Streptomyces

Streptomyces coelicolor

B3.510.24.49.775.775.200

B3.300.

B3.510.

B3.510.

Streptomyces griseus

B3.510.24.49.775.775.375

B3.300.

B3.510.

B3.510.

Streptomyces lividans

B3.510.24.49.775.775.500

B3.300.

B3.510.

B3.510.

##### Tropheryma

B3.510.24.49.887

##### Bifidobacterium

B3.510.24.100

B3.510.

##### Gardnerella

B3.510.24.400

B3.440.

##### Gardnerella vaginalis

B3.510.24.400.800

B3.440.

#### Gram-Positive Cocci

##### Deinococcus

B3.510.400

##### Micrococcaceae

B3.510.400.200

##### Micrococcus

B3.510.400.500

B3.510.

##### Micrococcus luteus

B3.510.400.500.500

B3.510.

B3.510.

##### Peptococcaceae

B3.510.400.562

##### Peptococcus

B3.510.400.562.593

##### Peptostreptococcus

B3.510.400.625

##### Ruminococcus

B3.510.400.687

##### Sarcina

B3.510.400.750

##### Staphylococcaceae

B3.510.400.790

##### Staphylococcus

B3.510.400.790.750

##### Staphylococcus aureus

B3.510.400.790.750.100

##### Staphylococcus epidermidis

B3.510.400.790.750.343

##### Staphylococcus haemolyticus

B3.510.400.790.750.400

##### Staphylococcus hominis

B3.510.400.790.750.425

##### Streptococcaceae

B3.510.400.800

##### Enterococcus

B3.510.400.800.280

##### Enterococcus faecalis

B3.510.400.800.280.280

##### Enterococcus faecium

B3.510.400.800.280.300

##### Lactococcus

B3.510.400.800.500

##### Lactococcus lactis

B3.510.400.800.500.400

##### Leuconostoc

B3.510.400.800.511

##### Pediococcus

B3.510.400.800.653

##### Streptococcus

B3.510.400.800.872

##### Streptococcus agalactiae

B3.510.400.800.872.100

##### Streptococcus bovis

B3.510.400.800.872.150

##### Streptococcus equi

B3.510.400.800.872.225

##### Streptococcus gordonii

B3.510.400.800.872.260

##### Streptococcus pneumoniae

B3.510.400.800.872.550

##### Streptococcus pyogenes

B3.510.400.800.872.575

##### Streptococcus suis

B3.510.400.800.872.750

##### Streptococcus thermophilus

B3.510.400.800.872.800

##### Viridans Streptococci

B3.510.400.800.872.875

##### Streptococcus milleri Group

B3.510.400.800.872.875.475

##### Streptococcus anginosus

B3.510.400.800.872.875.475.80

##### Streptococcus constellatus

B3.510.400.800.872.875.475.150

##### Streptococcus intermedius

B3.510.400.800.872.875.475.400

##### Streptococcus mitis

B3.510.400.800.872.875.500

##### Streptococcus mutans

B3.510.400.800.872.875.520

##### Streptococcus oralis

B3.510.400.800.872.875.600

##### Streptococcus sanguis

B3.510.400.800.872.875.700

##### Streptococcus sobrinus

B3.510.400.800.872.875.750

#### Gram-Positive Endospore-Forming Bacteria

B3.510.415

B3.300.

#### Gram-Positive Endospore-Forming Rods

B3.510.415.400

B3.300.

B3.510.

##### Bacillaceae

B3.510.415.400.158

B3.300.

B3.510.

##### Bacillus

B3.510.415.400.158.218

B3.300.

B3.510.

##### Bacillus anthracis

B3.510.415.400.158.218.151

B3.300.

B3.510.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Positive Bacteria

#### Gram-Positive Endospore-Forming Bacteria

#### Gram-Positive Endospore-Forming Rods

#### Bacillaceae

#### Bacillus

**Bacillus cereus**

B3.510.415.400.158.218.252

B3.300.

B3.510.

**Bacillus megaterium**

B3.510.415.400.158.218.500

B3.300.

B3.510.

**Bacillus stearothermophilus**

B3.510.415.400.158.218.700

B3.300.

B3.510.

**Bacillus subtilis**

B3.510.415.400.158.218.725

B3.300.

B3.510.

**Bacillus thuringiensis**

B3.510.415.400.158.218.800

B3.300.

B3.510.

#### Clostridium

**Clostridium acetobutylicum**

B3.510.415.400.200

B3.300.

**Clostridium beijerinckii**

B3.510.415.400.200.100

B3.300.

**Clostridium bifermentans**

B3.510.415.400.200.130

B3.300.

**Clostridium botulinum**

B3.510.415.400.200.160

B3.300.

**Clostridium botulinum type A**

B3.510.415.400.200.160.50

B3.300.

**Clostridium botulinum type B**

B3.510.415.400.200.160.100

B3.300.

**Clostridium botulinum type C**

B3.510.415.400.200.160.150

B3.300.

**Clostridium botulinum type D**

B3.510.415.400.200.160.200

B3.300.

**Clostridium botulinum type E**

B3.510.415.400.200.160.250

B3.300.

**Clostridium botulinum type F**

B3.510.415.400.200.160.300

B3.300.

**Clostridium botulinum type G**

B3.510.415.400.200.160.350

B3.300.

**Clostridium butyricum**

B3.510.415.400.200.180

B3.300.

**Clostridium cellulolyticum**

B3.510.415.400.200.200

B3.300.

**Clostridium cellulovorans**

B3.510.415.400.200.205

B3.300.

**Clostridium chauvoei**

B3.510.415.400.200.215

B3.300.

**Clostridium difficile**

B3.510.415.400.200.250

B3.300.

**Clostridium histolyticum**

B3.510.415.400.200.412

B3.300.

**Clostridium kluyveri**

B3.510.415.400.200.493

B3.300.

**Clostridium perfringens**

B3.510.415.400.200.575

B3.300.

**Clostridium septicum**

B3.510.415.400.200.690

B3.300.

**Clostridium sordellii**

B3.510.415.400.200.700

B3.300.

**Clostridium sticklandii**

B3.510.415.400.200.710

B3.300.

**Clostridium symbiosum**

B3.510.415.400.200.713

B3.300.

**Clostridium tertium**

B3.510.415.400.200.722

B3.300.

**Clostridium tetani**

B3.510.415.400.200.725

B3.300.

**Clostridium tetanomorphum**

B3.510.415.400.200.740

B3.300.

**Clostridium thermocellum**

B3.510.415.400.200.770

B3.300.

**Clostridium tyrobutyricum**

B3.510.415.400.200.800

B3.300.

#### Desulfotomaculum

B3.510.415.400.230

B3.900.

#### Micromonosporaceae

B3.510.415.400.500

B3.300.

B3.510.

#### Micromonospora

B3.510.415.400.500.500

B3.300.

B3.510.

#### Saccharopolyspora

B3.510.415.400.790

B3.300.

B3.510.

#### Streptomycetaceae

B3.510.415.400.810

B3.300.

B3.510.

#### Streptomyces

B3.510.415.400.810.768

B3.300.

B3.510.

**Streptomyces antibioticus**

B3.510.415.400.810.768.100

B3.300.

B3.510.

**Streptomyces aureofaciens**

B3.510.415.400.810.768.125

B3.300.

B3.510.

**Streptomyces coelicolor**

B3.510.415.400.810.768.200

B3.300.

B3.510.

**Streptomyces griseus**

B3.510.415.400.810.768.375

B3.300.

B3.510.

**Streptomyces lividans**

B3.510.415.400.810.768.500

B3.300.

B3.510.

B3.510.

#### Gram-Positive Rods

B3.510.460

#### Gram-Positive Asporogenous Rods

B3.510.460.400

#### Gram-Positive Asporogenous Rods, Irregular

B3.510.460.400.400

#### Acetobacterium

B3.510.460.400.400.24

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Positive Bacteria

#### Gram-Positive Rods

#### Gram-Positive Asporogenous Rods

#### Gram-Positive Asporogenous Rods, Irregular

#### Actinobacteria

#### Actinobacteria

#### Actinomycetaceae

#### Actinomyces

#### Actinomyces viscosus

#### Mobiluncus

#### Arthrobacter

#### Bifidobacterium

#### Brevibacterium

#### Butyrivibrio

#### Corynebacterium

#### Corynebacterium diphtheriae

#### Corynebacterium glutamicum

#### Corynebacterium pseudotuberculosis

#### Corynebacterium pyogenes

#### Eubacterium

#### Propionibacteriaceae

#### Propionibacterium

#### Propionibacterium acnes

#### Thermoanaerobacter

#### Thermoanaerobacterium

#### Gram-Positive Asporogenous Rods, Regular

#### Erysipelothrix

#### Lactobacillaceae

#### Lactobacillus

#### Lactobacillus acidophilus

#### Lactobacillus brevis

#### Lactobacillus casei

#### Lactobacillus delbrueckii

#### Lactobacillus fermentum

#### Lactobacillus helveticus

#### Lactobacillus leichmannii

#### Lactobacillus plantarum

#### Lactobacillus reuteri

#### Lactobacillus rhamnosus

#### Listeria

#### Listeria monocytogenes

#### Mycobacteriaceae

#### Mycobacterium

#### Mycobacteria, Atypical

#### Mycobacterium avium Complex

#### Mycobacterium chelonae

#### Mycobacterium fortuitum

#### Mycobacterium kansasii

#### Mycobacterium marinum

#### Mycobacterium scrofulaceum

#### Mycobacterium smegmatis

#### Mycobacterium ulcerans

#### Mycobacterium xenopi

#### Mycobacterium avium

#### Mycobacterium avium subsp. paratuberculosis

#### Mycobacterium bovis

#### Mycobacterium haemophilum

#### Mycobacterium leprae

#### Mycobacterium lepraemurium

#### Mycobacterium phlei

#### Mycobacterium tuberculosis

#### Gram-Positive Endospore-Forming Rods

#### Bacillaceae

	B3.510.460.400.400.49	B3.510.
	B3.510.460.400.400.49.49	B3.510.
	B3.510.460.400.400.49.49.178	B3.510.
	B3.510.460.400.400.49.49.178.800	B3.510.
	B3.510.460.400.400.49.49.589	B3.510.
	B3.510.460.400.400.49.74	B3.510.
	B3.510.460.400.400.49.100	B3.510.
	B3.510.460.400.400.49.550	B3.510.
	B3.510.460.400.400.124	B3.440.
	B3.510.460.400.400.200	B3.510.
	B3.510.460.400.400.200.150	B3.510.
	B3.510.460.400.400.200.300	B3.510.
	B3.510.460.400.400.200.600	B3.510.
	B3.510.460.400.400.200.625	B3.510.
	B3.510.460.400.400.250	
	B3.510.460.400.400.600	B3.510.
	B3.510.460.400.400.600.600	B3.510.
	B3.510.460.400.400.600.600.600	B3.510.
	B3.510.460.400.400.790	
	B3.510.460.400.400.800	
	B3.510.460.400.410	
	B3.510.460.400.410.350	B3.440.
	B3.510.460.400.410.475	
	B3.510.460.400.410.475.475	
	B3.510.460.400.410.475.475.100	
	B3.510.460.400.410.475.475.180	
	B3.510.460.400.410.475.475.225	
	B3.510.460.400.410.475.475.250	
	B3.510.460.400.410.475.475.325	
	B3.510.460.400.410.475.475.400	
	B3.510.460.400.410.475.475.506	
	B3.510.460.400.410.475.475.612	
	B3.510.460.400.410.475.475.680	
	B3.510.460.400.410.475.475.700	
	B3.510.460.400.410.485	
	B3.510.460.400.410.485.500	
	B3.510.460.400.410.552	B3.510.
	B3.510.460.400.410.552.552	B3.510.
	B3.510.460.400.410.552.552.250	B3.510.
	B3.510.460.400.410.552.552.250.100	B3.510.
	B3.510.460.400.410.552.552.250.225	B3.510.
	B3.510.460.400.410.552.552.250.325	B3.510.
	B3.510.460.400.410.552.552.250.400	B3.510.
	B3.510.460.400.410.552.552.250.500	B3.510.
	B3.510.460.400.410.552.552.250.625	B3.510.
	B3.510.460.400.410.552.552.250.662	B3.510.
	B3.510.460.400.410.552.552.250.700	B3.510.
	B3.510.460.400.410.552.552.250.950	B3.510.
	B3.510.460.400.410.552.552.300	B3.510.
	B3.510.460.400.410.552.552.300.600	B3.510.
	B3.510.460.400.410.552.552.402	B3.510.
	B3.510.460.400.410.552.552.480	B3.510.
	B3.510.460.400.410.552.552.502	B3.510.
	B3.510.460.400.410.552.552.602	B3.510.
	B3.510.460.400.410.552.552.640	B3.510.
	B3.510.460.400.410.552.552.702	B3.510.
	B3.510.460.410	B3.300. B3.510.
	B3.510.460.410.158	B3.300. B3.510.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Gram-Positive Bacteria

#### Gram-Positive Rods

#### Gram-Positive Endospore-Forming Rods

#### Bacillaceae

#### Bacillus

#### Bacillus

*Bacillus anthracis*

*Bacillus cereus*

*Bacillus megaterium*

*Bacillus stearothermophilus*

*Bacillus subtilis*

*Bacillus thuringiensis*

#### Micromonosporaceae

#### Micromonospora

#### Saccharopolyspora

#### Streptomycetaceae

#### Streptomyces

*Streptomyces antibioticus*

*Streptomyces aureofaciens*

*Streptomyces coelicolor*

*Streptomyces griseus*

*Streptomyces lividans*

#### Proteobacteria

#### Alphaproteobacteria

#### Anaplasmataceae

#### Anaplasma

*Anaplasma centrale*

*Anaplasma marginale*

*Anaplasma ovis*

*Anaplasma phagocytophilum*

#### Ehrlichia

*Ehrlichia canis*

*Ehrlichia chaffeensis*

*Ehrlichia ruminantium*

#### Neorickettsia

*Neorickettsia risticii*

*Neorickettsia sennetsu*

#### Bartonellaceae

#### Bartonella

*Bartonella bacilliformis*

*Bartonella henselae*

*Bartonella quintana*

#### Beijerinckiaceae

#### Bradyrhizobiaceae

#### Afipia

#### Bradyrhizobium

#### Nitrobacter

#### Rhodopseudomonas

#### Brucellaceae

#### Brucella

*Brucella abortus*

*Brucella canis*

*Brucella melitensis*

*Brucella ovis*

	B3.510.460.410.158.218	B3.300.	B3.510.
	B3.510.460.410.158.218.151	B3.300.	B3.510.
	B3.510.460.410.158.218.252	B3.300.	B3.510.
	B3.510.460.410.158.218.500	B3.300.	B3.510.
	B3.510.460.410.158.218.700	B3.300.	B3.510.
	B3.510.460.410.158.218.725	B3.300.	B3.510.
	B3.510.460.410.158.218.800	B3.300.	B3.510.
	B3.510.460.410.500	B3.300.	B3.510.
		B3.510.	
	B3.510.460.410.500.500	B3.300.	B3.510.
		B3.510.	
	B3.510.460.410.790	B3.300.	B3.510.
		B3.510.	
	B3.510.460.410.810	B3.300.	B3.510.
		B3.510.	
	B3.510.460.410.810.768	B3.300.	B3.510.
		B3.510.	
	B3.510.460.410.810.768.100	B3.300.	B3.510.
		B3.510.	
	B3.510.460.410.810.768.125	B3.300.	B3.510.
		B3.510.	
	B3.510.460.410.810.768.200	B3.300.	B3.510.
		B3.510.	
	B3.510.460.410.810.768.375	B3.300.	B3.510.
		B3.510.	
	B3.510.460.410.810.768.500	B3.300.	B3.510.
		B3.510.	
	B3.660		
	B3.660.50		
	B3.660.50.20	B3.440.	
	B3.660.50.20.50	B3.440.	
	B3.660.50.20.50.100	B3.440.	
	B3.660.50.20.50.500	B3.440.	
	B3.660.50.20.50.575	B3.440.	
	B3.660.50.20.50.600	B3.440.	
	B3.660.50.20.287	B3.440.	
	B3.660.50.20.287.90	B3.440.	
	B3.660.50.20.287.100	B3.440.	
	B3.660.50.20.287.700	B3.440.	
	B3.660.50.20.525	B3.440.	
	B3.660.50.20.525.700	B3.440.	
	B3.660.50.20.525.720	B3.440.	
	B3.660.50.30	B3.440.	
	B3.660.50.30.40	B3.440.	
	B3.660.50.30.40.80	B3.440.	
	B3.660.50.30.40.350	B3.440.	
	B3.660.50.30.40.650	B3.440.	
	B3.660.50.32		
	B3.660.50.35	B3.440.	
	B3.660.50.35.40	B3.440.	B3.440.
	B3.660.50.35.90	B3.440.	B3.440.
	B3.660.50.35.520	B3.440.	
	B3.660.50.35.700	B3.440.	
	B3.660.50.70	B3.440.	
	B3.660.50.70.100	B3.440.	
	B3.660.50.70.100.100	B3.440.	
	B3.660.50.70.100.150	B3.440.	
	B3.660.50.70.100.500	B3.440.	
	B3.660.50.70.100.625	B3.440.	

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Proteobacteria

##### Alphaproteobacteria

##### Brucellaceae

##### Brucella

##### Brucella suis

##### Brucella suis

B3.660.50.70.100.750 B3.440.

##### Ochrobactrum

B3.660.50.70.700 B3.440.

##### Ochrobactrum anthropi

B3.660.50.70.700.650 B3.440.

##### Caulobacteraceae

B3.660.50.90 B3.440.

##### Caulobacter

B3.660.50.90.100 B3.440.

##### Caulobacter crescentus

B3.660.50.90.100.100 B3.440. B3.440.

##### Holosporaceae

B3.660.50.340 B3.440.

##### Hyphomicrobiaceae

B3.660.50.350 B3.440.

##### Azorhizobium

B3.660.50.350.80 B3.440.

##### Azorhizobium caulinodans

B3.660.50.350.80.100 B3.440.

##### Hyphomicrobium

B3.660.50.350.400 B3.440.

##### Rhodomicrobium

B3.660.50.350.675 B3.440.

##### Xanthobacter

B3.660.50.350.950 B3.440.

##### Methylobacteriaceae

B3.660.50.500 B3.440.

##### Methylobacterium

B3.660.50.500.500 B3.440.

##### Methylobacterium extorquens

B3.660.50.500.500.150 B3.440.

##### Methylocystaceae

B3.660.50.512 B3.440.

##### Methylosinus

B3.660.50.512.500 B3.440.

##### Methylosinus trichosporium

B3.660.50.512.500.750 B3.440.

##### Rhodospirillales

B3.660.50.663 B3.440.

##### Acetobacteraceae

B3.660.50.663.50 B3.440.

##### Acetobacter

B3.660.50.663.50.10 B3.440.

##### Acidiphilium

B3.660.50.663.50.20 B3.440.

##### Gluconacetobacter

B3.660.50.663.50.400 B3.440.

##### Gluconacetobacter xylinus

B3.660.50.663.50.400.500 B3.440.

##### Gluconobacter

B3.660.50.663.50.415 B3.440.

##### Gluconobacter oxydans

B3.660.50.663.50.415.550 B3.440.

##### Rhodospirillaceae

B3.660.50.663.750 B3.440.

##### Azospirillum

B3.660.50.663.750.100 B3.440.

##### Azospirillum brasilense

B3.660.50.663.750.100.20 B3.440.

##### Azospirillum lipoferum

B3.660.50.663.750.100.510 B3.440.

##### Magnetospirillum

B3.660.50.663.750.500 B3.440.

##### Rhodospirillum

B3.660.50.663.750.733 B3.440.

##### Rhodospirillum centenum

B3.660.50.663.750.733.150 B3.440.

##### Rhodospirillum rubrum

B3.660.50.663.750.733.650 B3.440.

##### Rhizobiaceae

B3.660.50.730 B3.440.

##### Rhizobium

B3.660.50.730.670 B3.440.

##### Rhizobium etli

B3.660.50.730.670.337 B3.440.

##### Rhizobium leguminosarum

B3.660.50.730.670.450 B3.440.

##### Rhizobium phaseoli

B3.660.50.730.670.600 B3.440.

##### Rhizobium radiobacter

B3.660.50.730.670.700 B3.440.

##### Rhizobium tropici

B3.660.50.730.670.800 B3.440.

##### Sinorhizobium

B3.660.50.730.835 B3.440.

##### Sinorhizobium fredii

B3.660.50.730.835.399 B3.440.

##### Sinorhizobium meliloti

B3.660.50.730.835.800 B3.440.

##### Rhodobacteraceae

B3.660.50.750 B3.440.

##### Paracoccus

B3.660.50.750.600 B3.440.

##### Paracoccus denitrificans

B3.660.50.750.600.125 B3.440.

##### Paracoccus pantotrophus

B3.660.50.750.600.600 B3.440.

##### Rhodobacter

B3.660.50.750.700 B3.440.

##### Rhodobacter capsulatus

B3.660.50.750.700.225 B3.440.

##### Rhodobacter sphaeroides

B3.660.50.750.700.700 B3.440.

##### Rhodovulum

B3.660.50.750.725 B3.440.

##### Roseobacter

B3.660.50.750.750 B3.440.

##### Rickettsiaceae

B3.660.50.765 B3.440.

##### Rickettsiae

B3.660.50.765.650 B3.440.

##### Orientia tsutsugamushi

B3.660.50.765.650.600 B3.440.

##### Rickettsia

B3.660.50.765.650.650 B3.440.

## B3 - ORGANISMS-BACTERIA

<b>Bacteria</b>		
<b>Proteobacteria</b>		
<b>Alphaproteobacteria</b>		
<b>Rickettsiaceae</b>		
<b>Rickettsiae</b>		
<b>Rickettsia</b>		
<b>Rickettsia akari</b>	B3.660.50.765.650.650.40	B3.440.
<b>Rickettsia conorii</b>	B3.660.50.765.650.650.180	B3.440.
<b>Rickettsia felis</b>	B3.660.50.765.650.650.320	B3.440.
<b>Rickettsia prowazekii</b>	B3.660.50.765.650.650.600	B3.440.
<b>Rickettsia rickettsii</b>	B3.660.50.765.650.650.650	B3.440.
<b>Rickettsia typhi</b>	B3.660.50.765.650.650.810	B3.440.
<b>Wolbachia</b>	B3.660.50.765.825	B3.440.
<b>Sphingomonadaceae</b>	B3.660.50.800	
<b>Sphingomonas</b>	B3.660.50.800.750	B3.440.
<b>Zymomonas</b>	B3.660.50.800.990	B3.440.
<b>Betaproteobacteria</b>	B3.660.75	
<b>Alcaligenaceae</b>	B3.660.75.27	B3.440.
<b>Achromobacter</b>	B3.660.75.27.30	B3.440.
<b>Achromobacter cycloclastes</b>	B3.660.75.27.30.100	B3.440.
<b>Achromobacter denitrificans</b>	B3.660.75.27.30.120	B3.440.
<b>Alcaligenes</b>	B3.660.75.27.50	B3.440.
<b>Alcaligenes faecalis</b>	B3.660.75.27.50.200	B3.440.
<b>Bordetella</b>	B3.660.75.27.75	B3.440.
<b>Bordetella avium</b>	B3.660.75.27.75.24	B3.440.
<b>Bordetella bronchiseptica</b>	B3.660.75.27.75.50	B3.440.
<b>Bordetella parapertussis</b>	B3.660.75.27.75.590	B3.440.
<b>Bordetella pertussis</b>	B3.660.75.27.75.600	B3.440.
<b>Taylorella</b>	B3.660.75.27.800	B3.440.
<b>Taylorella equigenitalis</b>	B3.660.75.27.800.200	B3.440.
<b>Burkholderiaceae</b>	B3.660.75.77	B3.440.
<b>Burkholderia</b>	B3.660.75.77.100	B3.440.
<b>Burkholderia cepacia complex</b>	B3.660.75.77.100.110	B3.440.
<b>Burkholderia cepacia</b>	B3.660.75.77.100.110.500	B3.440.
<b>Burkholderia gladioli</b>	B3.660.75.77.100.355	B3.440.
<b>Burkholderia mallei</b>	B3.660.75.77.100.477	B3.440.
<b>Burkholderia pseudomallei</b>	B3.660.75.77.100.600	B3.440.
<b>Cupriavidus</b>	B3.660.75.77.200	B3.440.
<b>Cupriavidus necator</b>	B3.660.75.77.200.200	B3.440.
<b>Ralstonia</b>	B3.660.75.77.650	B3.440.
<b>Ralstonia pickettii</b>	B3.660.75.77.650.600	B3.440.
<b>Ralstonia solanacearum</b>	B3.660.75.77.650.750	B3.440.
<b>Comamonadaceae</b>	B3.660.75.102	B3.440.
<b>Comamonas</b>	B3.660.75.102.150	B3.440.
<b>Comamonas testosteroni</b>	B3.660.75.102.150.750	B3.440.
<b>Delftia</b>	B3.660.75.102.170	B3.440.
<b>Delftia acidovorans</b>	B3.660.75.102.170.30	B3.440.
<b>Leptothrix</b>	B3.660.75.102.500	B3.440.
<b>Sphaerotilus</b>	B3.660.75.102.750	B3.440.
<b>Gallionellaceae</b>	B3.660.75.375	B3.440.
<b>Hydrogenophilaceae</b>	B3.660.75.400	
<b>Thiobacillus</b>	B3.660.75.400.800	B3.440.
<b>Methylophilaceae</b>	B3.660.75.495	B3.440.
<b>Methylobacillus</b>	B3.660.75.495.500	B3.440.
<b>Methylophilus</b>	B3.660.75.495.520	B3.440.
<b>Methylophilus methylotrophus</b>	B3.660.75.495.520.500	B3.440.
<b>Neisseriaceae</b>	B3.660.75.525	B3.440.
<b>Chromobacterium</b>	B3.660.75.525.100	B3.440.
<b>Eikenella</b>	B3.660.75.525.170	B3.440.
<b>Eikenella corrodens</b>	B3.660.75.525.170.100	B3.440.
<b>Kingella</b>	B3.660.75.525.410	B3.440.
<b>Kingella kingae</b>	B3.660.75.525.410.410	B3.440.
<b>Neisseria</b>	B3.660.75.525.520	B3.440.
<b>Neisseria cinerea</b>	B3.660.75.525.520.124	B3.440.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Proteobacteria

##### Betaproteobacteria

##### Neisseriaceae

##### Neisseria

##### Neisseria elongata

##### Neisseria elongata

##### Neisseria gonorrhoeae

##### Neisseria lactamica

##### Neisseria meningitidis

##### Neisseria meningitidis, Serogroup A

##### Neisseria meningitidis, Serogroup B

##### Neisseria meningitidis, Serogroup C

##### Neisseria meningitidis, Serogroup W-135

##### Neisseria meningitidis, Serogroup Y

##### Neisseria mucosa

##### Neisseria sicca

##### Vitreoscilla

##### Nitrosomonadaceae

##### Nitrosomonas

##### Nitrosomonas europaea

##### Oxalobacteraceae

##### Herbaspirillum

##### Oxalobacter formigenes

##### Rhodocyclaceae

##### Azoarcus

##### Thauera

##### Zoogloea

##### Spirillaceae

##### Spirillum

##### Deltaproteobacteria

##### Bdellovibrio

##### Bilophila

##### Desulfovibrio

##### Desulfovibrio africanus

##### Desulfovibrio desulfuricans

##### Desulfovibrio gigas

##### Desulfovibrio vulgaris

##### Desulfuromonas

##### Geobacter

##### Lawsonia Bacteria

##### Myxococcales

##### Myxococcus

##### Myxococcus xanthus

##### Stigmatella

##### Stigmatella aurantiaca

##### Epsilonproteobacteria

##### Arcobacter

##### Campylobacter

##### Campylobacter coli

##### Campylobacter fetus

##### Campylobacter hyointestinalis

##### Campylobacter jejuni

##### Campylobacter lari

##### Campylobacter rectus

##### Campylobacter sputorum

##### Campylobacter upsaliensis

##### Helicobacter

##### Helicobacter felis

##### Helicobacter heilmannii

##### Helicobacter hepaticus

##### Helicobacter mustelae

##### Helicobacter pylori

##### Wolinella

	B3.660.75.525.520.262	B3.440.	
	B3.660.75.525.520.400	B3.440.	
	B3.660.75.525.520.475	B3.440.	
	B3.660.75.525.520.500	B3.440.	
	B3.660.75.525.520.500.700	B3.440.	
	B3.660.75.525.520.500.710	B3.440.	
	B3.660.75.525.520.500.720	B3.440.	
	B3.660.75.525.520.500.800	B3.440.	
	B3.660.75.525.520.500.820	B3.440.	
	B3.660.75.525.520.520	B3.440.	
	B3.660.75.525.520.760	B3.440.	
	B3.660.75.525.900	B3.440.	
	B3.660.75.550	B3.440.	
	B3.660.75.550.500	B3.440.	
	B3.660.75.550.500.200	B3.440.	
	B3.660.75.600	B3.440.	
	B3.660.75.600.400	B3.440.	
	B3.660.75.600.600	B3.440.	
	B3.660.75.655		
	B3.660.75.655.70	B3.440.	
	B3.660.75.655.800	B3.440.	
	B3.660.75.655.975	B3.440.	
	B3.660.75.710	B3.440.	
	B3.660.75.710.750	B3.440.	
	B3.660.125		
	B3.660.125.50	B3.440.	
	B3.660.125.87	B3.440.	
	B3.660.125.125	B3.440.	B3.900.
	B3.660.125.125.40	B3.440.	B3.900.
	B3.660.125.125.150	B3.440.	B3.900.
	B3.660.125.125.350	B3.440.	B3.900.
	B3.660.125.125.875	B3.440.	B3.900.
	B3.660.125.150	B3.440.	B3.900.
	B3.660.125.305	B3.440.	
	B3.660.125.460	B3.440.	
	B3.660.125.500		
	B3.660.125.500.605		
	B3.660.125.500.605.900		
	B3.660.125.500.710		
	B3.660.125.500.710.50		
	B3.660.150		
	B3.660.150.50	B3.440.	
	B3.660.150.100	B3.440.	
	B3.660.150.100.100	B3.440.	
	B3.660.150.100.220	B3.440.	
	B3.660.150.100.297	B3.440.	
	B3.660.150.100.375	B3.440.	
	B3.660.150.100.450	B3.440.	
	B3.660.150.100.700	B3.440.	
	B3.660.150.100.740	B3.440.	
	B3.660.150.100.850	B3.440.	
	B3.660.150.280	B3.440.	
	B3.660.150.280.350	B3.440.	
	B3.660.150.280.400	B3.440.	
	B3.660.150.280.410	B3.440.	
	B3.660.150.280.480	B3.440.	
	B3.660.150.280.550	B3.440.	
	B3.660.150.920	B3.440.	

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Proteobacteria

#### Gammaproteobacteria

#### Gammaproteobacteria

##### Acidithiobacillus

##### Acidithiobacillus thiooxidans

##### Aeromonadaceae

##### Aeromonas

##### Aeromonas hydrophila

##### Aeromonas salmonicida

##### Alcanivoraceae

##### Alteromonadaceae

##### Alteromonas

##### Marinobacter

##### Moritella

##### Pseudoalteromonas

##### Shewanella

##### Shewanella putrefaciens

##### Cardiobacteriaceae

##### Cardiobacterium

##### Dichelobacter nodosus

##### Chromatiaceae

##### Chromatium

##### Halothiobacillus

##### Thiocapsa

##### Thiocapsa roseopersicina

##### Coxiellaceae

##### Coxiella

##### Coxiella burnetii

##### Ectothiorhodospiraceae

##### Ectothiorhodospira

##### Ectothiorhodospira shaposhnikovii

##### Halorhodospira halophila

##### Enterobacteriaceae

##### Buchnera

##### Calymmatobacterium

##### Citrobacter

##### Citrobacter freundii

##### Citrobacter koseri

##### Citrobacter rodentium

##### Edwardsiella

##### Edwardsiella ictaluri

##### Edwardsiella tarda

##### Enterobacter

##### Enterobacter aerogenes

##### Enterobacter cloacae

##### Enterobacter sakazakii

##### Erwinia

##### Erwinia amylovora

##### Escherichia

##### Escherichia coli

##### Enteropathogenic Escherichia coli

##### Enterotoxigenic Escherichia coli

##### Escherichia coli K12

##### Shiga-Toxigenic Escherichia coli

##### Enterohemorrhagic Escherichia coli

##### Escherichia coli O157

##### Hafnia

##### Hafnia alvei

##### Klebsiella

##### Klebsiella oxytoca

B3.660.250

B3.660.250.15

B3.660.250.15.800

B3.660.250.17

B3.660.250.17.25

B3.660.250.17.25.380

B3.660.250.17.25.690

B3.660.250.19

B3.660.250.21

B3.660.250.21.20

B3.660.250.21.480

B3.660.250.21.500

B3.660.250.21.600

B3.660.250.21.755

B3.660.250.21.755.750

B3.660.250.80

B3.660.250.80.100

B3.660.250.80.550

B3.660.250.110

B3.660.250.110.150

B3.660.250.110.400

B3.660.250.110.750

B3.660.250.110.750.660

B3.660.250.132

B3.660.250.132.150

B3.660.250.132.150.100

B3.660.250.145

B3.660.250.145.500

B3.660.250.145.500.720

B3.660.250.145.750

B3.660.250.150

B3.660.250.150.47

B3.660.250.150.95

B3.660.250.150.100

B3.660.250.150.100.210

B3.660.250.150.100.475

B3.660.250.150.100.737

B3.660.250.150.160

B3.660.250.150.160.340

B3.660.250.150.160.750

B3.660.250.150.170

B3.660.250.150.170.49

B3.660.250.150.170.100

B3.660.250.150.170.700

B3.660.250.150.175

B3.660.250.150.175.50

B3.660.250.150.180

B3.660.250.150.180.100

B3.660.250.150.180.100.330

B3.660.250.150.180.100.340

B3.660.250.150.180.100.360

B3.660.250.150.180.100.800

B3.660.250.150.180.100.800.250

B3.660.250.150.180.100.800.250.500

B3.660.250.150.280

B3.660.250.150.280.50

B3.660.250.150.400

B3.660.250.150.400.580

B3.440.

B3.440.

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## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Proteobacteria

#### Gammaproteobacteria

#### Enterobacteriaceae

#### Klebsiella

#### Klebsiella pneumoniae

#### Klebsiella pneumoniae

#### Kluyvera

#### Morganella

#### Morganella morganii

#### Pantoea

#### Pectobacterium

#### Pectobacterium carotovorum

#### Pectobacterium chrysanthemi

#### Photobacterium

#### Plesiomonas

#### Proteus

#### Proteus mirabilis

#### Proteus penneri

#### Proteus vulgaris

#### Providencia

#### Rahnella

#### Salmonella

#### Salmonella arizonae

#### Salmonella enterica

#### Salmonella enteritidis

#### Salmonella paratyphi A

#### Salmonella paratyphi B

#### Salmonella paratyphi C

#### Salmonella typhi

#### Salmonella typhimurium

#### Serratia

#### Serratia liquefaciens

#### Serratia marcescens

#### Shigella

#### Shigella boydii

#### Shigella dysenteriae

#### Shigella flexneri

#### Shigella sonnei

#### Wigglesworthia

#### Xenorhabdus

#### Yersinia

#### Yersinia enterocolitica

#### Yersinia pestis

#### Yersinia pseudotuberculosis

#### Yersinia rucker

#### Francisella

#### Francisella tularensis

#### Halomonadaceae

#### Halomonas

#### Legionellaceae

#### Legionella

#### Legionella longbeachae

#### Legionella pneumophila

#### Methylococcaceae

#### Methylococcus

#### Methylococcus capsulatus

#### Methylomonas

#### Moraxellaceae

#### Acinetobacter

#### Acinetobacter baumannii

#### Acinetobacter calcoaceticus

#### Moraxella

#### Moraxella (Branhamella) catarrhalis

	B3.660.250.150.400.590	B3.440.
	B3.660.250.150.410	B3.440.
	B3.660.250.150.500	B3.440.
	B3.660.250.150.500.500	B3.440.
	B3.660.250.150.540	B3.440.
	B3.660.250.150.542	B3.440.
	B3.660.250.150.542.120	B3.440.
	B3.660.250.150.542.150	B3.440.
	B3.660.250.150.545	B3.440.
	B3.660.250.150.550	B3.440.
	B3.660.250.150.590	B3.440.
	B3.660.250.150.590.500	B3.440.
	B3.660.250.150.590.670	B3.440.
	B3.660.250.150.590.840	B3.440.
	B3.660.250.150.600	B3.440.
	B3.660.250.150.655	B3.440.
	B3.660.250.150.710	B3.440.
	B3.660.250.150.710.50	B3.440.
	B3.660.250.150.710.160	B3.440.
	B3.660.250.150.710.160.160	B3.440.
	B3.660.250.150.710.160.580	B3.440.
	B3.660.250.150.710.160.710	B3.440.
	B3.660.250.150.710.160.711	B3.440.
	B3.660.250.150.710.160.750	B3.440.
	B3.660.250.150.710.160.760	B3.440.
	B3.660.250.150.720	B3.440.
	B3.660.250.150.720.480	B3.440.
	B3.660.250.150.720.500	B3.440.
	B3.660.250.150.730	B3.440.
	B3.660.250.150.730.50	B3.440.
	B3.660.250.150.730.125	B3.440.
	B3.660.250.150.730.210	B3.440.
	B3.660.250.150.730.710	B3.440.
	B3.660.250.150.880	B3.440.
	B3.660.250.150.910	B3.440.
	B3.660.250.150.950	B3.440.
	B3.660.250.150.950.160	B3.440.
	B3.660.250.150.950.580	B3.440.
	B3.660.250.150.950.590	B3.440.
	B3.660.250.150.950.650	B3.440.
	B3.660.250.200	B3.440.
	B3.660.250.200.750	B3.440.
	B3.660.250.350	B3.440.
	B3.660.250.350.500	B3.440.
	B3.660.250.460	B3.440.
	B3.660.250.460.460	B3.440.
	B3.660.250.460.460.480	B3.440.
	B3.660.250.460.460.580	B3.440.
	B3.660.250.500	B3.440.
	B3.660.250.500.500	B3.440.
	B3.660.250.500.500.100	B3.440.
	B3.660.250.500.505	B3.440.
	B3.660.250.530	B3.440.
	B3.660.250.530.50	B3.440.
	B3.660.250.530.50.99	B3.440.
	B3.660.250.530.50.200	B3.440.
	B3.660.250.530.525	B3.440.
	B3.660.250.530.525.200	B3.440.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Proteobacteria

#### Gammaproteobacteria

#### Moraxellaceae

#### Moraxella

*Moraxella (Moraxella) bovis*

*Moraxella (Moraxella) bovis*

#### Psychrobacter

#### Oceanospirillaceae

#### Marinomonas

#### Pasteurellaceae

#### Actinobacillus

*Actinobacillus actinomycetemcomitans*

*Actinobacillus equuli*

*Actinobacillus pleuropneumoniae*

*Actinobacillus seminis*

*Actinobacillus suis*

#### Haemophilus

*Haemophilus ducreyi*

*Haemophilus influenzae*

*Haemophilus influenzae type b*

*Haemophilus paragallinarum*

*Haemophilus parainfluenzae*

*Haemophilus paraphrophilus*

*Haemophilus parasuis*

*Haemophilus somnus*

#### Mannheimia

*Mannheimia haemolytica*

#### Pasteurella

*Pasteurella multocida*

*Pasteurella pneumotropica*

#### Piscirickettsiaceae

#### Piscirickettsia

#### Pseudomonadaceae

#### Azotobacter

*Azotobacter vinelandii*

#### Cellvibrio

#### Pseudomonas

*Pseudomonas aeruginosa*

*Pseudomonas alcaligenes*

*Pseudomonas fluorescens*

*Pseudomonas fragi*

*Pseudomonas mendocina*

*Pseudomonas oleovorans*

*Pseudomonas pseudoalcaligenes*

*Pseudomonas putida*

*Pseudomonas stutzeri*

*Pseudomonas syringae*

#### Succinivibrionaceae

#### Anaerobiospirillum

#### Thiotrichaceae

#### Beggiatoa

#### Thiothrix

#### Vibrionaceae

#### Listonella

#### Photobacterium

#### Vibrio

*Vibrio alginolyticus*

*Vibrio cholerae*

*Vibrio cholerae non-O1*

*Vibrio cholerae O1*

*Vibrio cholerae O139*

*Vibrio fischeri*

*Vibrio mimicus*

	B3.660.250.530.525.500	B3.440.
	B3.660.250.530.650	B3.440.
	B3.660.250.540	B3.440.
	B3.660.250.540.500	
	B3.660.250.550	B3.440.
	B3.660.250.550.50	B3.440.
	B3.660.250.550.50.50	B3.440.
	B3.660.250.550.50.200	B3.440.
	B3.660.250.550.50.580	B3.440.
	B3.660.250.550.50.675	B3.440.
	B3.660.250.550.50.700	B3.440.
	B3.660.250.550.290	B3.440.
	B3.660.250.550.290.125	B3.440.
	B3.660.250.550.290.330	B3.440.
	B3.660.250.550.290.330.150	B3.440.
	B3.660.250.550.290.665	B3.440.
	B3.660.250.550.290.675	B3.440.
	B3.660.250.550.290.690	B3.440.
	B3.660.250.550.290.700	B3.440.
	B3.660.250.550.290.750	B3.440.
	B3.660.250.550.500	B3.440.
	B3.660.250.550.500.500	B3.440.
	B3.660.250.550.590	B3.440.
	B3.660.250.550.590.500	B3.440.
	B3.660.250.550.590.650	B3.440.
	B3.660.250.565	B3.440.
	B3.660.250.565.600	
	B3.660.250.580	B3.440.
	B3.660.250.580.22	B3.440.
	B3.660.250.580.22.820	B3.440.
	B3.660.250.580.100	B3.440.
	B3.660.250.580.590	B3.440.
	B3.660.250.580.590.50	B3.440.
	B3.660.250.580.590.70	B3.440.
	B3.660.250.580.590.210	B3.440.
	B3.660.250.580.590.230	B3.440.
	B3.660.250.580.590.500	B3.440.
	B3.660.250.580.590.570	B3.440.
	B3.660.250.580.590.575	B3.440.
	B3.660.250.580.590.580	B3.440.
	B3.660.250.580.590.750	B3.440.
	B3.660.250.580.590.770	B3.440.
	B3.660.250.740	B3.440.
	B3.660.250.740.50	B3.440.
	B3.660.250.770	B3.440.
	B3.660.250.770.100	B3.440.
	B3.660.250.770.800	B3.440.
	B3.660.250.830	B3.440.
	B3.660.250.830.500	B3.440.
	B3.660.250.830.590	B3.440.
	B3.660.250.830.830	B3.440.
	B3.660.250.830.830.30	B3.440.
	B3.660.250.830.830.100	B3.440.
	B3.660.250.830.830.100.75	B3.440.
	B3.660.250.830.830.100.151	B3.440.
	B3.660.250.830.830.100.200	B3.440.
	B3.660.250.830.830.250	B3.440.
	B3.660.250.830.830.500	B3.440.

## B3 - ORGANISMS-BACTERIA

### Bacteria

#### Proteobacteria

##### Gammaproteobacteria

##### Vibrionaceae

##### Vibrio

##### Vibrio parahaemolyticus

##### Vibrio parahaemolyticus

B3.660.250.830.830.590

B3.440.

##### Vibrio salmonicida

B3.660.250.830.830.745

B3.440.

##### Vibrio vulnificus

B3.660.250.830.830.900

B3.440.

##### Xanthomonadaceae

B3.660.250.915

B3.440.

##### Lysobacter

B3.660.250.915.500

B3.440.

##### Stenotrophomonas

##### Stenotrophomonas maltophilia

B3.660.250.915.750.500

B3.440.

##### Xanthomonas

B3.660.250.915.930

B3.440.

##### Xanthomonas axonopodis

B3.660.250.915.930.49

##### Xanthomonas campestris

B3.660.250.915.930.100

B3.440.

##### Xanthomonas vesicatoria

B3.660.250.915.930.850

B3.440.

##### Xylella

B3.660.250.915.950

B3.440.

#### Spirochaetales

##### Leptospiraceae

B3.851

##### Leptospira

B3.851.475

B3.440.

##### Leptospira interrogans

B3.851.475.475

B3.440.

##### Leptospira interrogans serovar australis

B3.851.475.475.400

B3.440.

##### Leptospira interrogans serovar autumnalis

B3.851.475.475.400.50

B3.440.

##### Leptospira Interrogans serovar canicola

B3.851.475.475.400.55

B3.440.

##### Leptospira interrogans serovar hebdomadis

B3.851.475.475.400.150

B3.440.

##### Leptospira interrogans serovar icterohaemorrhagiae

B3.851.475.475.400.400

B3.440.

##### Leptospira interrogans serovar pomona

B3.851.475.475.400.420

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B3.851.475.475.400.650

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##### Spirochaetaceae

B3.851.595

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##### Borrelia

B3.851.595.193

B3.440.

##### Borrelia burgdorferi Group

B3.851.595.193.150

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##### Borrelia burgdorferi

B3.851.595.193.150.125

B3.440.

##### Spirochaeta

B3.851.595.679

B3.440.

##### Treponema

B3.851.595.795

B3.440.

##### Treponema denticola

B3.851.595.795.200

B3.440.

##### Treponema pallidum

B3.851.595.795.840

B3.440.

#### Sulfur-Reducing Bacteria

B3.900

##### Desulfobacterium

B3.900.174

##### Desulfotomaculum

B3.900.300

B3.510.

##### Desulfovibrio

B3.900.350

B3.440.

B3.660.

##### Desulfovibrio africanus

B3.900.350.40

B3.440.

B3.660.

##### Desulfovibrio desulfuricans

B3.900.350.150

B3.440.

B3.660.

##### Desulfovibrio gigas

B3.900.350.350

B3.440.

B3.660.

##### Desulfovibrio vulgaris

B3.900.350.875

B3.440.

B3.660.

##### Desulfuromonas

B3.900.370

B3.440.

B3.660.