

The mycobiome of root canal infections is correlated to the bacteriome. *Clinical Oral Investigations*
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Table Abundance and prevalence of bacterial genera of root canal infections

Phylum	Genus or higher level	All teeth (N = 23)		Apical samples (N = 22)		Coronal samples (N = 23)	
		% Abundance	Prevalence	% Abundance	Prevalence	% Abundance	Prevalence
Bacteroidetes	<i>Prevotella</i>	12.74	23	13.08	22	12.42	22
Firmicutes	<i>Lactobacillus</i>	11.18	21	7.41	16	14.79	19
Actinobacteria	<i>Actinomyces</i>	7.47	23	4.39	21	10.42	23
Fusobacteria	<i>Fusobacterium</i>	7.20	23	9.33	21	5.16	22
Actinobacteria	<i>Atopobium</i>	6.94	21	4.14	19	9.61	19
Firmicutes	<i>Streptococcus</i>	4.39	23	4.62	19	4.17	23
Fusobacteria	<i>Leptotrichia</i>	4.32	22	6.56	18	2.17	20
Bacteroidetes	<i>Phocaeicola</i>	3.45	14	3.65	12	3.26	14
Synergistetes	<i>Pyramidobacter</i>	2.85	6	3.66	4	2.07	4
Bacteroidetes	<i>Porphyromonas</i>	2.68	19	3.21	15	2.18	16
Firmicutes	Clostridiales Family XIII	2.50	20	2.97	18	2.05	17
Bacteroidetes	<i>Alloprevotella</i>	2.37	17	2.21	12	2.52	12
TM7	Phylum TM7	1.92	18	1.62	13	2.21	18
Actinobacteria	<i>Actinobaculum</i>	1.72	16	1.30	13	2.12	15
Firmicutes	<i>Parvimonas</i>	1.59	22	2.24	20	0.97	19
Firmicutes	<i>Dialister</i>	1.58	21	1.88	18	1.30	21
Firmicutes	<i>Pseudoramibacter</i>	1.57	19	1.28	15	1.86	17
Actinobacteria	<i>Corynebacterium</i>	1.53	17	1.20	12	1.83	12
Firmicutes	<i>Veillonella</i>	1.42	21	1.64	18	1.21	21
Firmicutes	<i>Peptostreptococcus</i>	1.41	12	1.98	11	0.87	12
Actinobacteria	<i>Olsenella</i>	1.38	21	1.39	18	1.36	20
Firmicutes	<i>Fillifactor</i>	1.38	16	1.45	14	1.31	14
Firmicutes	<i>Anaeroglobus</i>	1.29	16	1.81	13	0.79	12
Firmicutes	<i>Selenomonas</i>	1.24	23	1.42	21	1.07	20
Actinobacteria	<i>Propionibacterium</i>	1.16	16	1.33	13	1.00	16
Spirochaetae	<i>Treponema</i>	1.04	19	1.41	17	0.70	15
Euryarchaeota	<i>Methanobrevibacter</i>	1.02	11	0.79	8	1.23	9
Proteobacteria	<i>Campylobacter</i>	0.89	20	1.35	18	0.44	18
Proteobacteria	<i>Lautropia</i>	0.83	9	0.29	7	1.35	9
Firmicutes	<i>Oribacterium</i>	0.83	20	1.24	19	0.43	18
Firmicutes	<i>Mogibacterium</i>	0.81	20	1.23	18	0.42	18
Bacteroidetes	<i>Tannerella</i>	0.71	19	0.96	16	0.47	15
Actinobacteria	<i>Rothia</i>	0.61	20	0.21	15	1.00	17
Synergistetes	Family Synergistaceae	0.41	18	0.48	16	0.35	14
Synergistetes	<i>Fretibacterium</i>	0.38	16	0.40	14	0.36	13
Actinobacteria	<i>Scardovia</i>	0.38	18	0.21	12	0.54	15
Actinobacteria	<i>Parascardovia</i>	0.34	14	0.43	9	0.26	11
Chloroflexi	Family Anaerolineaceae	0.32	12	0.33	10	0.30	10
Bacteroidetes	<i>Capnocytophaga</i>	0.29	12	0.32	10	0.27	9
Firmicutes	Family Veillonellaceae	0.24	18	0.27	14	0.21	15
Bacteroidetes	RC9 gut group	0.22	12	0.28	10	0.17	12
Actinobacteria	<i>Bifidobacterium</i>	0.21	12	0.09	7	0.32	10
Firmicutes	<i>Shuttleworthia</i>	0.20	16	0.25	11	0.15	13
Firmicutes	<i>Lachnoanaerobaculum</i>	0.19	13	0.26	12	0.13	12

Actinobacteria	Family Coriobacteriaceae	0.18	9	0.07	6	0.29	7
Firmicutes	Family Lachnospiraceae	0.14	11	0.24	10	0.04	10
Proteobacteria	<i>Neisseria</i>	0.14	13	0.07	10	0.21	12
Actinobacteria	<i>Slackia</i>	0.14	19	0.14	15	0.14	16
Firmicutes	<i>Howardella</i>	0.13	10	0.23	6	0.04	6
Proteobacteria	<i>Haemophilus</i>	0.12	12	0.12	7	0.11	9
Actinobacteria	Family Corynebacteriaceae	0.11	2	0.21	1	0.01	2
Firmicutes	<i>Johnsonella</i>	0.11	15	0.13	11	0.08	13
Firmicutes	<i>Solobacterium</i>	0.10	18	0.12	15	0.08	8
Firmicutes	Lactobacillales family P5D1-392	0.10	15	0.09	8	0.11	11
Proteobacteria	<i>Aggregatibacter</i>	0.09	9	0.13	6	0.06	6
Proteobacteria	<i>Desulfobulbus</i>	0.09	13	0.08	11	0.09	11
Firmicutes	<i>Catonella</i>	0.07	10	0.06	8	0.07	7
Proteobacteria	<i>Cardiobacterium</i>	0.06	6	0.07	5	0.04	6
Bacteroidetes	<i>Proteiniphilum</i>	0.06	2	0.11	2	0.01	2
Firmicutes	<i>Abiotrophia</i>	0.05	7	0.03	6	0.07	5
Bacteroidetes	Family Prevotellaceae	0.05	9	0.02	6	0.09	7
Firmicutes	<i>Gemella</i>	0.05	11	0.07	10	0.03	9
Firmicutes	<i>Peptococcus</i>	0.05	10	0.07	7	0.03	9
Actinobacteria	<i>Cryptobacterium</i>	0.05	11	0.06	9	0.03	8
Firmicutes	<i>Fastidiosipila</i>	0.04	2	0.08	2	0.01	2
Bacteroidetes	Family WCHB1-69	0.04	8	0.06	6	0.02	7
Firmicutes	<i>Stomatobaculum</i>	0.04	12	0.04	9	0.04	5
Firmicutes	Family Erysipelotrichaceae	0.04	8	0.04	5	0.03	7
TM7	Candidatus Saccharimonas	0.04	9	0.06	8	0.01	5
Bacteroidetes	<i>Paludibacter</i>	0.03	10	0.04	6	0.03	8
Bacteroidetes	<i>Bacteroides</i>	0.03	5	0.06	3	0.01	4
Tenericutes	<i>Mycoplasma</i>	0.03	5	0.04	5	0.03	1
Firmicutes	<i>Bulleidia</i>	0.03	5	0.05	4	0.02	3
Firmicutes	Family Defluviitaleaceae	0.03	6	0.06	6	0.01	4
Proteobacteria	<i>Pelomonas</i>	0.03	9	0.05	8	0.01	3
Bacteroidetes	Bacteroidales family S24-7	0.03	1	0.05	1	0.01	1
Bacteroidetes	<i>Odoribacter</i>	0.03	2	0.06	2	<0.01	2
Actinobacteria	<i>Aeriscardovia</i>	0.03	4	0.01	2	0.04	4
Actinobacteria	<i>Enterorhabdus</i>	0.03	9	0.02	6	0.03	8
Actinobacteria	Phylum Actinobacteria	0.03	4	0.02	2	0.03	4
Firmicutes	Clostridiales Family XI	0.02	4	<0.01	1	0.05	3
Fusobacteria	Family Leptotrichiaceae	0.02	5	0.03	3	0.02	4
Firmicutes	<i>Eggerthia</i>	0.02	5	0.03	4	0.01	4
Firmicutes	Family Peptostreptococcaceae	0.02	7	0.03	7	<0.01	2
Proteobacteria	<i>Pseudomonas</i>	0.02	6	0.02	3	0.01	5
Proteobacteria	<i>Bradyrhizobium</i>	0.02	8	0.02	6	0.01	5
Firmicutes	<i>Megasphaera</i>	0.02	9	0.02	6	0.01	6
Firmicutes	Family Ruminococcaceae	0.02	7	0.03	6	<0.01	2
Bacteroidetes	<i>Flavobacterium</i>	0.02	1	0.03	1		
Proteobacteria	<i>Kingella</i>	0.02	8	0.02	5	0.01	5
Firmicutes	<i>Pediococcus</i>	0.01	3	0.01	1	0.02	3
Bacteroidetes	<i>Bergeyella</i>	0.01	5	0.02	5	0.01	2
Proteobacteria	<i>Eikenella</i>	0.01	8	0.02	6	<0.01	3
Proteobacteria	<i>Methylobacterium</i>	0.01	6	0.02	5	<0.01	1
Proteobacteria	<i>Sphingomonas</i>	0.01	7	0.01	5	0.01	3
Proteobacteria	<i>Comamonas</i>	0.01	3	0.02	3	<0.01	1
Firmicutes	Family Bacillaceae	0.01	6	0.01	5	<0.01	3
Proteobacteria	<i>Tepidimonas</i>	0.01	6	<0.01	3	0.01	3
Proteobacteria	<i>Paracoccus</i>	0.01	2	0.01	1	<0.01	1
Firmicutes	<i>Coprococcus</i>	0.01	3	0.01	3	<0.01	2
Tenericutes	<i>Acholeplasma</i>	0.01	3	0.01	3	<0.01	1

Firmicutes	Clostridiales vadinBB60 group	0.01	4	0.01	3	0.01	4
Bacteroidetes	<i>Sediminibacterium</i>	0.01	3	0.01	3		
Firmicutes	<i>Butyrivibrio</i>	0.01	2	0.01	2	<0.01	2
Spirochaetae	<i>Spirochaeta</i>	0.01	3	0.01	3	<0.01	2
Proteobacteria	<i>Burkholderia</i>	<0.01	3	<0.01	1	0.01	3
Proteobacteria	<i>Caulobacter</i>	<0.01	4	<0.01	2	0.01	2
SR1	Phylum SR1	<0.01	5	0.01	4	<0.01	2
Proteobacteria	<i>Acinetobacter</i>	<0.01	2	0.01	1	<0.01	1
Proteobacteria	Family Pasteurellaceae	<0.01	5	<0.01	4	<0.01	2
Tenericutes	Order NB1-n	<0.01	3	0.01	3	<0.01	1
Firmicutes	<i>Christensenella</i>	<0.01	1	0.01	1		
Proteobacteria	<i>Sphingobium</i>	<0.01	2	<0.01	2		
Proteobacteria	<i>Massilia</i>	<0.01	1	<0.01	1		
Bacteroidetes	<i>Pedobacter</i>	<0.01	1	<0.01	1		
Actinobacteria	<i>Nitriiruptor</i>	<0.01	4	<0.01	3	<0.01	2
Proteobacteria	<i>Novosphingobium</i>	<0.01	2	<0.01	2	<0.01	1
Actinobacteria	<i>Jatrophihabitans</i>	<0.01	2	<0.01	1	<0.01	1
Proteobacteria	<i>Klebsiella</i>	<0.01	2	<0.01	2		
Proteobacteria	<i>Propionivibrio</i>	<0.01	2			<0.01	2
Proteobacteria	Family Phyllobacteriaceae	<0.01	2	<0.01	2		
Bacteroidetes	<i>Cytophaga</i>	<0.01	1	<0.01	1		
Proteobacteria	Family Solimonadaceae	<0.01	1	<0.01	1		
Bacteroidetes	Phylum Bacteroidetes	<0.01	1			<0.01	1
Proteobacteria	<i>Sorangium</i>	<0.01	1	<0.01	1		
Proteobacteria	<i>Curvibacter</i>	<0.01	3	<0.01	2	<0.01	1
Proteobacteria	<i>Aquabacterium</i>	<0.01	2	<0.01	2	<0.01	1
Proteobacteria	<i>Serratia</i>	<0.01	2	<0.01	2		
Proteobacteria	<i>Camelimonas</i>	<0.01	1	<0.01	1		
Cyanobacteria	<i>Chroococcidiopsis</i>	<0.01	1	<0.01	1		
Firmicutes	<i>Dolosigranulum</i>	<0.01	1	<0.01	1		
Bacteroidetes	Family p-2534-18B5 gut group	<0.01	1	<0.01	1		
Firmicutes	<i>Pelospora</i>	<0.01	1	<0.01	1		
Proteobacteria	Family Caulobacteraceae	<0.01	2	<0.01	2		
Bacteroidetes	<i>Chryseobacterium</i>	<0.01	1	<0.01	1		
Proteobacteria	<i>Desulfomicrobium</i>	<0.01	1			<0.01	1
Firmicutes	<i>Lactococcus</i>	<0.01	1	<0.01	1		
Actinobacteria	Family Propionibacteriaceae	<0.01	2			<0.01	2
Proteobacteria	<i>Alkanibacter</i>	<0.01	1	<0.01	1		
Proteobacteria	Family GR-WP33-58	<0.01	1	<0.01	1		
Proteobacteria	<i>Xylella</i>	<0.01	1	<0.01	1		
Proteobacteria	<i>Brevundimonas</i>	<0.01	1	<0.01	1		
Proteobacteria	Family Enterobacteriaceae	<0.01	1			<0.01	1
Proteobacteria	<i>Halomonas</i>	<0.01	1	<0.01	1		
Actinobacteria	<i>Micrococcus</i>	<0.01	1			<0.01	1
Firmicutes	<i>Staphylococcus</i>	<0.01	1			<0.01	1
Proteobacteria	<i>Stenotrophomonas</i>	<0.01	1	<0.01	1		