

scientificName	nuccoreAcc	taxid	parent
Acholeplasma laidlawii	CP000896	2148	2147
Acinetobacter baumannii	CU468230	509170	470
Acinetobacter pittii	NC_016603	48296	909768
Aeromonas hydrophila	NC_008570	644	642
Agrobacterium fabrum	NC_003062	1176649	1183400
Agrobacterium fabrum	NC_003063	1176649	1183400
Alkaliphilus transvaalensis	CP000724	208226	114627
Aliivibrio fischeri	NC_006841	668	511678
Aliivibrio fischeri	NC_006840	668	511678
Amycolatopsis mediterranei	NC_014318	33910	1813
Aquifex aeolicus	NC_000918	63363	2713
Architeuthis dux	NC_011581	256136	34555
Arcobacter bivalviorum	CP031217	663364	2321115
Arcobacter cibarius	CP043857	255507	28196
Arcobacter ellisii	CP032097	913109	28196
Arcobacter halophilus	CP031218	197482	28196
Arcobacter molluscorum	CP032098	1032072	28196
Arcobacter mytili	CP031219	603050	28196
Arcobacter skirrowii	CP032099	28200	28196
Arcobacter suis	CP032100	1278212	28196
Arcobacter thereius	CP035926	544718	28196
Arcobacter trophiarum	CP031367	708186	28196
Arripis trutta	AP006810	270544	163128
Atlantibacter hermannii	CP042941	565	1903434
Bacillus cereus	AP007209	1396	86661
Bacillus subtilis	NC_000964	1423	653685
Bacillus thuringiensis	NC_005957	1428	86661
Bacteroides fragilis	NC_006347	817	816
Bacteroides thetaiotaomicron	NC_004663	818	816
Bartonella bacilliformis	CP000524	774	773
Betacoronavirus coronavirus	MT233526	2697049	694009
Bifidobacterium adolenscentis	CP028341	1680	1678
Bifidobacterium bifidum	NC_014638	1681	1678
Bifidobacterium longum	NC_004307	216816	1678
Bordetella bronchiseptica	NC_019382	518	517
Borrelia burgdorferi	NC_001318	139	64895
Bos taurus	KC153975	9913	9903
Brachybacterium faecium	CP001643	43669	43668
Bradyrhizobium diazoefficiens	NC_004463	1355477	374
Brassica oleracea	NC_016118	3712	3705
Buchnera aphidicola	NC_002528	9	32199
Burkholderia pseudomallei	NC_006350	28450	111527
Burkholderia pseudomallei	NC_006351	28450	111527
Campylobacter avium	CP022347	522484	522485

scientificName	nucoreAcc	taxid	parent
Campylobacter coli	CP028187	195	194
Campylobacter concisus	CP012541	199	194
Campylobacter cuniculorum	CP020867	374106	194
Campylobacter fetus	CP006833	196	194
Campylobacter gracilis	CP012196	824	194
Campylobacter helveticus	NZ_CP020478	28898	194
Campylobacter hyointestinalis hyointestinalis	CP015575	91352	198
Campylobacter hyointestinalis lawsonii	CP015575	91353	198
Campylobacter insulaenigrae	CP007770	260714	194
Campylobacter jejuni jejuni	NC_002163	32022	197
Campylobacter lanienae	CP015578	75658	194
Campylobacter lari	CP000932	201	194
Campylobacter peloridis	CP007766	488546	194
Campylobacter sputorum	CP019683	202	194
Campylobacter subantarcticus	CP007772	497724	194
Campylobacter ureolyticus	CP012195	827	194
Campylobacter volucris	CP007774	1031542	194
Candidatus Desulforudis audaxviator	CP000860	471827	471826
Candidatus Korarchaeum cryptofilum	CP000968	374847	498846
Caulobacter vibrioides	NC_011916	155892	75
Chlamydia pneumoniae	NC_000922	83558	810
Chlamydia trachomatis	NC_000117	813	810
Chlamydomonas reinhardtii	AF008237	3055	3052
Chlorobaculum tepidum	NC_002932	1097	256319
Chloroflexus aurantiacus	NC_010175	1108	1107
Citrobacter freundii	CP007557	546	544
Citrobacter amalonaticus	CP014070	35703	544
Clavibacter michiganensis_s sepedonicus	AM849034	31964	28447
Clostridioides difficile	NC_009089	1496	1870884
Clostridium acetobutylicum	NC_003030	1488	1485
Clostridium argentinense	CP014176	29341	1485
Clostridium baratii	CP014204	1561	1485
Clostridium botulinum groupI	NC_010723	9000005	1491
Clostridium botulinum groupII	NC_010516	9000004	1491
Clostridium butyricum	CP013239	1492	1485
Clostridium perfringens	NC_008262	1502	1485
Corynebacterium diphtheriae	CP091095	1717	1716
Corynebacterium glutamicum	NC_003450	1718	1716
Corynebacterium urealyticum	AM942444	43771	1716
Coxiella burnetii	NC_002971	777	776
Cronobacter condimenti	CP012264	1163710	413496
Cronobacter dublinensis dublinensis	CP012266	413498	413497
Cronobacter malonaticus	CP006731	413503	413496
Cronobacter muytjensii	CP012268	413501	413496

scientificName	nuccoreAcc	taxid	parent
Cronobacter sakazakii	CP011047	28141	413496
Cronobacter turicensis	FN543093	413502	413496
Cronobacter universalis	CP012257	535744	413496
Cryptosporidium parvum	CM000429	353152	5806
Cryptosporidium parvum	CM000430	353152	5806
Cryptosporidium parvum	CM000431	353152	5806
Cryptosporidium parvum	CM000432	353152	5806
Cryptosporidium parvum	CM000433	353152	5806
Cryptosporidium parvum	CM000434	353152	5806
Cryptosporidium parvum	CM000435	353152	5806
Cryptosporidium parvum	CM000436	353152	5806
Cryptosporidium hominis	LN877947	237895	5806
Cryptosporidium hominis	LN877948	237895	5806
Cryptosporidium hominis	LN877949	237895	5806
Cryptosporidium hominis	LN877950	237895	5806
Cryptosporidium hominis	LN877951	237895	5806
Cryptosporidium hominis	LN877952	237895	5806
Cryptosporidium hominis	LN877953	237895	5806
Cryptosporidium hominis	LN877954	237895	5806
Cupriavidus taiwanensis	CU633750	164546	106589
Cupriavidus taiwanensis	CU633749	164546	106589
Cyanothece	CP000806	43989	2546360
Cyanothece	CP000807	43989	2546360
Deinococcus radiodurans	NC_001263	1299	1298
Deinococcus radiodurans	NC_001264	1299	1298
Delftia acidovorans	CP000884	80866	80865
Desulfovibrio vulgaris	NC_002937	881	872
Dictyoglomus turgidum	NC_011661	513050	13
Enterobacter cloacae	NC_014121	550	354276
Enterococcus faecalis	NC_004668	1351	1350
Enterococcus faecium	NC_017960	1352	1350
Escherichia albertii	CP024282	208962	561
Escherichia coli	CP027582	562	561
Escherichia fergusonii	CP042945	564	561
Exiguobacterium antarcticum	CP003063	132920	33986
Finegoldia magna	AP008971	1260	150022
Flavobacterium psychrophilum	NC_009613	96345	237
Francisella philomiragia	CP063138	28110	262
Francisella tularensis	NC_006570	263	262
Fusobacterium nucleatum	CP028101	851	848
Gallus gallus	HQ857211	9031	9030
Gardnerella vaginalis	NC_014644	2702	2701
Geobacter sulfurreducens	NC_002939	35554	28231
Gloeobacter violaceus	NC_005125	33072	33071

scientificName	nuccoreAcc	taxid	parent
Grimontia hollisae	CP035690	673	246861
Grimontia hollisae	CP035691	673	246861
Haemophilus influenzae	L42023	727	724
Haemophilus somnus	CP000947	228400	731
Halobacterium salinarum	AM774415	478009	2242
Helianthus annuus	MG770607	4232	4231
Helicobacter pylori	AE000511	210	209
Helibacterium modesticaldum	CP000930	35701	2697
Homo sapiens	NC_012920	9606	9605
Humulus lupulus	NC_086845	3486	3484
Ketogulonicigenium vulgare	NC_017384	92945	92944
Klebsiella aerogenes	NC_015663	548	570
Klebsiella pneumoniae	NC_016845	573	570
Lactobacillus acidophilus	NC_006814	1579	1578
Lactobacillus paracasei	NC_008526	1597	655183
Lactobacillus plantarum	NC_004567	1590	1578
Lactobacillus salivarius	NC_007929	1624	1578
Lactococcus lactis	NC_002662	1358	1357
Lactuca sativa	MK820672	75943	4235
Legionella pneumophila	NC_002942	446	445
Leptospira biflexa	CP000777	355278	145259
Leptospira interrogans	NC_004342	173	171
Leptothrix cholodnii	CP001013	34029	88
Leuconostoc citreum	DQ489736	349519	33964
Listeria grayi	LR134483	1641	1637
Listeria innocua	CP045743	1642	1637
Listeria ivanovii	FR687253	1638	1637
Listeria marthii	CM001047	529731	1637
Listeria monocytogenes I	CP054040	9000000	1639
Listeria monocytogenes II	CP054042	9000001	1639
Listeria monocytogenes III	CP054039	9000002	1639
Listeria monocytogenes IV	CP054041	9000003	1639
Listeria seeligeri	FN557490	1640	1637
Listeria welshimeri	LT906444	1643	1637
Lysinibacillus sphaericus	CP000817	444177	1421
Mesoplasma florum	NC_006055	2151	46239
Mesorhizobium ciceri	NC_014923	39645	68287
Methylobacterium	CP000943	426117	2615210
Methylobacterium radiotolerans	CP001001	31998	407
Micrococcus luteus	CP001628	1270	1269
Moorella thermoacetica	CP012370	1525	44260
Morganella morganii morganii	CP004345	180434	582
Mycobacterium abscessus	NC_010397	36809	670516
Mycobacterium leprae	NC_002677	1769	1763

scientificName	nuccoreAcc	taxid	parent
Mycobacterium smegmatis	NC_008596	1772	1866885
Mycobacterium tuberculosis	NC_000962	1773	77643
Mycoplasma mycoides	NC_005364	2102	656088
Mycoplasma pneumoniae	NC_000912	2104	2093
Neisseria gonorrhoeae	NC_002946	485	482
Neisseria meningitidis	NC_003112	487	482
Neomysis japonica	KR006340	1676841	223649
Ochrobactrum anthropi	CP000758	529	528
Ochrobactrum anthropi	CP000759	529	528
Pantoea ananatis	CP001875	553	53335
Parabacteroides distasonis	CP000140	823	375288
Photobacterium damsela	CP046752	38293	657
Photobacterium damsela	CP046751	38293	657
Pollachius virens	FR751399	8060	8059
Polynucleobacter necessarius	LT615228	576610	44013
Prochlorococcus marinus	NC_005042	1219	1218
Proteus mirabilis	NC_022000	584	583
Pseudomonas aeruginosa	NC_002516	287	136841
Pseudomonas putida	AP013070	390235	303
Pseudomonas syringae group genomosp. 3	NC_004578	251701	136849
Pyrobaculum neutrophilum	CP001014	70771	2276
Rhodobacter sphaeroides	NC_007494	1063	1060
Rhodobacter sphaeroides	NC_007493	1063	1060
Rhodopirellula baltica	NC_005027	265606	265488
Rhodospirillum rubrum	NC_007643	1085	1081
Ruminococcus sp.	CP039381	1263	541000
Rickettsia prowazekii	NC_000963	782	114292
Salinibacter ruber	NC_007677	146919	146918
Salmonella bongori	FR877557	54736	590
Salmonella enterica IIa	CP053411	9000010	28901
Salmonella enterica IIb	LR134141	9000011	28901
Salmonella enterica IIIa	CP000880	9000014	28901
Salmonella enterica IIIb	CP053583	9000015	28901
Salmonella enterica I	AE006468	59201	28901
Salmonella enterica IV	CP053579	59205	28901
Salmonella enterica IX	CP054715	9000016	28901
Salmonella enterica VII	CP053582	59208	28901
Salmonella enterica VIII	CP053318	9000009	28901
Salmonella enterica VI	CP053406	59207	28901
Salmonella enterica X	CP053581	9000017	28901
Serratia liquefaciens	CP006252	614	613
Shewanella halifaxensis	CP000931	271098	22
Shewanella oneidensis	NC_004347	70863	22
Shewanella woodyi	CP000961	60961	22

scientificName	nuccoreAcc	taxid	parent
Shimwellia blattae	CP001560	563	1335483
Sinorhizobium fredii	NC_012587	380	663276
Sinorhizobium medicae	NC_009636	110321	28105
Sinorhizobium meliloti	NC_003047	382	28105
Solanum lycopersicum	NC_035963	4081	49274
Staphylococcus aureus	NZ_CP009554	46170	1280
Staphylococcus epidermidis	NC_004461	1282	1279
Streptococcus agalactiae	NC_004116	1311	1301
Streptococcus mitis	NC_013853	28037	1301
Streptococcus mutans	NC_004350	1309	1301
Streptococcus pneumoniae	CP000936	487214	1313
Streptococcus pyogenes	NC_002737	1314	1301
Streptococcus sanguinis	NC_009009	1305	1301
Streptococcus suis	NC_012926	1307	1301
Sus scrofa	FJ236999	9823	9822
Synechococcus	CP000951	32049	2626047
Thermanaerovibrio acidaminovorans	NC_013522	81462	81461
Thermoanaerobacter pseudethanolicus	CP000924	496866	1754
Thermodesulfovibrio yellowstonii	NC_011296	28262	28261
Thermosynechococcus elongatus	NC_004113	146786	146785
Thermotoga maritima	NC_000853	2336	2335
Thermus thermophilus	NC_006461	274	270
Thunnus alalunga	AB101291	8235	8234
Treponema denticola	NC_002967	158	157
Ureaplasma parvum	CP000942	134821	2129
Vibrio alginolyticus	CP035699	663	717610
Vibrio alginolyticus	CP035700	663	717610
Vibrio cholerae_O1	CP038178	127906	666
Vibrio cholerae_O1	CP038179	127906	666
Vibrio cidicii	CP046804	1763883	662
Vibrio cidicii	CP046803	1763883	662
Vibrio cincinnatiensis	CP035697	675	662
Vibrio cincinnatiensis	CP035698	675	662
Vibrio fluvialis	CP051126	676	662
Vibrio fluvialis	CP051127	676	662
Vibrio furnissii	CP046797	29494	662
Vibrio furnissii	CP046798	29494	662
Vibrio harveyi	CP035692	669	717610
Vibrio harveyi	CP035693	669	717610
Vibrio metoecus	CP046817	1481663	662
Vibrio metoecus	CP046818	1481663	662
Vibrio metschnikovii	CP035684	28172	662
Vibrio metschnikovii	CP035685	28172	662
Vibrio mimicus	CP035682	674	662

scientificName	nuccoreAcc	taxid	parent
<i>Vibrio mimicus</i>	CP035683	674	662
<i>Vibrio navarrensis</i>	CP046791	29495	662
<i>Vibrio navarrensis</i>	CP046792	29495	662
<i>Vibrio parahaemolyticus</i>	CP046828	670	717610
<i>Vibrio parahaemolyticus</i>	CP046827	670	717610
<i>Vibrio vulnificus</i>	CP046832	672	662
<i>Vibrio vulnificus</i>	CP046833	672	662
<i>Vicia faba</i>	KC189947	3906	3904
<i>Xanthomonas campestris</i>	NC_003902	339	338
<i>Xylella fastidiosa</i>	CP000941	405440	2371
<i>Yersinia aldovae</i>	CP009781	29483	629
<i>Yersinia bercovieri</i>	CP054044	634	629
<i>Yersinia canariae</i>	NZ_CP043727	2607663	629
<i>Yersinia enterocolitica</i>	NC_015224	630	629
<i>Yersinia enterocolitica</i>	NC_008800	630	629
<i>Yersinia frederiksenii</i>	CP023962	29484	629
<i>Yersinia hibernica</i>	NZ_CP032487	2339259	629
<i>Yersinia intermedia</i>	CP009801	631	629
<i>Yersinia kristensenii</i>	CP054049	631	629
<i>Yersinia massiliensis</i>	CP054048	33060	629
<i>Yersinia mollaretii</i>	CP054043	33060	629
<i>Yersinia pseudotuberculosis</i>	CP009712	502800	633
<i>Yersinia rochesterensis</i>	CP032482	1604335	629
<i>Yersinia rohdei</i>	CP009787	29485	629