

Species	Gen. size	Total # ORFs	% ORFs in COGs	Normalize	Species	Gen. size	Total # ORFs	% ORFs in COGs	Normalize
<i>Aeropyrum_pernix</i>	1.67	1840	66.5	Solid	<i>Mycoplasma_penetrans</i>	1.36	1037	44.7	Open
<i>Agrobacterium_tumefaciens</i>	5.6	5299	80.7	Solid	<i>Mycoplasma_pneumoniae</i>	0.81	689	60.5	Solid
<i>Agrobacterium_tumefaciens_UWash</i>	5.6	5402	78.9	Solid	<i>Mycoplasma_pulmonis</i>	0.96	782	63.8	Solid
<i>Aquifex_aeolicus</i>	1.6	1560	84.2	Open	<i>Neisseria_meningitidis_MC58</i>	2.27	2079	73.7	Solid
<i>Archaeoglobus_fulgidus</i>	2.18	2420	78.3	Solid	<i>Neisseria_meningitidis_Z2491</i>	2.18	2065	70.0	Solid
<i>Bacillus_anthraxis</i>	5.1	5311	57.1	Open	<i>Nitrosomonas_europaea</i>	2.81	2461	66.8	Solid
<i>Bacillus_cereus</i>	5.41	5255	59.1	Solid	<i>Nostoc_sp.</i>	7.2	6129	58.2	Open
<i>Bacillus_halodurans</i>	4.2	4066	75.6	Solid	<i>Oceanobacillus_ihayensis</i>	3.63	3496	69.5	Solid
<i>Bacillus_subtilis</i>	4.2	4112	73.8	Solid	<i>Pasteurella_multocida</i>	2.4	2015	89.2	Open
<i>Bacteroides_thetaiotaomicron</i>	6.26	4778	33.5	Open	<i>Pseudomonas_aeruginosa</i>	6.3	5567	80.8	Solid
<i>Bifidobacterium_longum</i>	2.26	1729	56.9	Open	<i>Pseudomonas_syringae</i>	6.4	5471	71.5	Solid
<i>Borrelia_burgdorferi</i>	0.9	1638	42.8	Open	<i>Pseudomonas_putida</i>	6.18	5350	68.7	Solid
<i>Bradyrhizobium_japonicum</i>	9.11	8317	60.4	Solid	<i>Pyrobaculum_aerophilum</i>	2.2	2605	58.1	Open
<i>Brucella_melitensis</i>	3.3	3198	82.1	Open	<i>Pyrococcus_abyssi</i>	1.76	1769	83.7	Open
<i>Brucella_suis</i>	3.28	3264	73.1	Solid	<i>Pyrococcus_furiosus</i>	1.9	2065	75.7	Solid
<i>Buchnera_aphidicola</i>	0.62	504	95.4	Open	<i>Pyrococcus_horikoshii</i>	1.8	1801	77.6	Solid
<i>Buchnera_sp.</i>	0.71	574	96.5	Open	<i>Ralstonia_solanacearum</i>	5.8	5116	75.0	Solid
<i>Campylobacter_jejuni</i>	1.64	1634	78.6	Solid	<i>Rickettsia_conorii</i>	1.27	1374	65.8	Solid
<i>Caulobacter_crescentus</i>	4.01	3737	77.1	Solid	<i>Rickettsia_prowazekii</i>	1.1	835	84.9	Open
<i>Chlamydia_muridarum</i>	1.07	916	67.6	Solid	<i>S.enterica_ser_Typhi</i>	4.8	4767	71.8	Solid
<i>Chlamydia_trachomatis</i>	1.05	895	69.6	Solid	<i>Salmonella_typhimurium_LT2</i>	4.95	4553	79.7	Solid
<i>Chlamydomydia_caviae</i>	1.17	1005	63.5	Solid	<i>Shewanella_oneidensis</i>	5.03	4472	62.1	Solid
<i>Chlamydomydia_pneumoniae_AR39</i>	1.23	1112	57.8	Open	<i>Shigella_flexneri</i>	4.61	4180	83.2	Open
<i>Chlamydomydia_pneumoniae_CWL029</i>	1.23	1054	61.4	Solid	<i>Sinorhizobium_meliloti</i>	6.7	6205	81.7	Open
<i>Chlamydomydia_pneumoniae_J138</i>	1.22	1069	60.7	Solid	<i>Staphylococcus_aureus_Mu50</i>	2.9	2748	73.6	Solid
<i>Chlorobium_tepidum</i>	2.16	2252	52.2	Open	<i>Staphylococcus_aureus_MW2</i>	2.8	2632	73.7	Solid
<i>Clostridium_acetobutylicum</i>	4.1	3848	72.6	Solid	<i>Staphylococcus_aureus_N315</i>	2.81	2625	77.1	Solid
<i>Clostridium_perfringens</i>	3.1	2723	64.2	Solid	<i>Staphylococcus_epidermidis</i>	2.5	2419	74.5	Solid
<i>Clostridium_tetani</i>	2.8	2373	67.4	Solid	<i>Streptococcus_agalactiae</i>	2.2	2124	69.7	Solid
<i>Corynebacterium_efficiens</i>	3.15	2950	64.3	Solid	<i>Streptococcus_mutans</i>	2.04	1960	71.9	Solid
<i>Corynebacterium_glutamicum</i>	3.3	3040	69.5	Solid	<i>Streptococcus_pneumoniae_R6</i>	2.03	2043	78.8	Solid
<i>Coxiella_bruneti</i>	2	2009	51.6	Open	<i>Streptococcus_pneumoniae_TIGR4</i>	2.2	2094	74.0	Solid
<i>Deinococcus_radiodurans</i>	3.28	3182	70.2	Solid	<i>Streptococcus_pyogenes</i>	1.85	1697	77.7	Solid
<i>Enterococcus_faecalis</i>	3.35	3113	59.9	Solid	<i>Streptococcus_pyogenes_MGAS8232</i>	1.9	1845	72.2	Solid
<i>Escherichia_coli_K12</i>	4.6	4279	82.7	Open	<i>Streptomyces_avermitilis</i>	9.03	7575	48.8	Open
<i>Escherichia_coli_O157:H7</i>	5.5	5361	73.2	Solid	<i>Streptomyces_coelicolor</i>	8.67	7512	48.3	Open
<i>Escherichia_coli_O157:H7_EDL933</i>	5.6	5324	74.2	Solid	<i>Sulfolobus_solfataricus</i>	2.99	2977	73.4	Solid
<i>Escherichia_coli_CFT</i>	5.23	5379	69.0	Solid	<i>Sulfolobus_tokodaii</i>	2.7	2826	60.4	Solid
<i>Fusobacterium_nucleatum</i>	2.17	2067	73.8	Solid	<i>Synechocystis_sp._PCC_6803</i>	3.57	3167	70.2	Solid
<i>Haemophilus_influenzae</i>	1.83	1714	91.8	Open	<i>Thermoanaerobacter_tengcongensis</i>	2.7	2588	64.8	Solid
<i>Halobacterium_sp._NRC-1</i>	2.57	2622	67.3	Solid	<i>Thermoplasma_acidophilum</i>	1.56	1482	83.5	Open
<i>Helicobacter_pylori_26695</i>	1.66	1576	69.9	Solid	<i>Thermoplasma_volcanium</i>	1.58	1499	83.7	Open
<i>Helicobacter_pylori_J99</i>	1.64	1491	71.9	Solid	<i>Thermosynechococcus_elongatus</i>	2.6	2475	65.0	Solid
<i>Lactobacillus_plantarum</i>	3.31	3009	63.5	Solid	<i>Thermotoga_maritima</i>	1.85	1858	82.0	Open
<i>Lactococcus_lactis</i>	2.36	2267	77.6	Solid	<i>Treponema_pallidum</i>	1.14	1036	69.4	Solid
<i>Leptospira_interrogans</i>	4.69	4727	27.7	Open	<i>Tropheryma_whipplei</i>	0.93	783	63.5	Solid
<i>Listeria_innocua</i>	3.01	3043	77.6	Solid	<i>Ureaplasma_urealyticum</i>	0.75	614	66.6	Solid
<i>Listeria_monocytogenes</i>	2.94	2846	79.7	Solid	<i>Vibrio_cholerae</i>	4	3835	73.0	Solid
<i>Mesorhizobium_lotii</i>	7.59	7275	75.7	Solid	<i>Vibrio_paraahaemolyticus</i>	5.18	4537	68.8	Solid
<i>Methanococcus_jannaschii</i>	1.74	1785	79.2	Solid	<i>Vibrio_vulnificus</i>	5.13	4832	64.2	Solid
<i>Methanopyrus_kandleri_AV19</i>	1.7	1687	72.6	Solid	<i>Wigglesworthia_brevipalpis</i>	0.7	654	89.3	Open
<i>Methanosarcina_acetivorans</i>	5.75	4540	67.3	Solid	<i>Xanthomonas_campestris</i>	5.08	4181	65.9	Solid
<i>Methanosarcina_mazei</i>	4.1	3371	68.4	Solid	<i>Xanthomonas_pv_citri</i>	5.17	4312	63.9	Solid
<i>Methanothermobacter_thermautotrophicus</i>	1.75	1873	77.7	Solid	<i>Xylella_fastidiosa</i>	2.68	2832	60.0	Solid
<i>Mycobacterium_leprae</i>	3.26	1605	70.5	Solid	<i>Xylella_fastidiosa_pv_temecula</i>	2.52	2036	74.5	Solid
<i>Mycobacterium_tuberculosis_CDC1551</i>	4.4	4187	63.7	Solid	<i>Yersinia_pestis</i>	4.65	4083	79.8	Solid
<i>Mycobacterium_tuberculosis_H37Rv</i>	4.4	3927	70.1	Solid	<i>Yersinia_pestis_pv_kim</i>	4.6	4090	77.3	Solid
<i>Mycoplasma_genitalium</i>	0.58	484	77.9	Solid	<b>AVERAGE</b>	<b>3.24</b>	<b>2987</b>	<b>70.3 (STDEV: 11.2)</b>	<b>87 Solid</b>