

Supplementary Table 1. Organisms used for the simulated datasets. The genome size, reads used and the corresponding number of nucleotides as well the estimated genome coverage are reported.

dataset	organism	genome size	reads	nucleotides	coverage
simMC	Xylella fastidiosa Dixon	2622328	10484	9147895	3.48
simMC	Rhodopseudomonas palustris BisB5	4892717	16577	17010327	3.47
simMC	Bradyrhizobium sp. BTAi1	8422430	22956	23374401	2.77
simMC	Xylella fastidiosa Ann-1	5118933	10818	8632822	1.68
simMC	Rhodopseudomonas palustris BisB18	5513844	6107	6238808	1.13
simMC	Rhodospirillum rubrum ATCC 11170	4406557	4868	4501381	1.02
simMC	Moorella thermoacetica ATCC 39073	2628784	765	737103	0.28
simMC	Rubrobacter xylanophilus DSM 9941	3299423	444	509433	0.15
simMC	Thiobacillus denitrificans ATCC 25259	2909809	400	444390	0.15
simMC	Actinobacillus succinogenes 130Z	2046146	290	303838	0.14
simMC	Ehrlichia canis Jake	1315030	197	191239	0.14
simMC	Ehrlichia chaffeensis sapulpa	1005812	155	141753	0.14
simMC	Chlorobium vibrioforme f. thiosulfatophilum DSMZ 265(T)	1980186	286	271777	0.13
simMC	Polaromonas sp. JS666	5898676	769	771898	0.13
simMC	Pseudoalteromonas atlantica T6c	5094958	657	683508	0.13
simMC	Silicibacter sp. TM1040	4198271	470	550475	0.13
simMC	Thiomicrospira denitrificans ATCC 33889	2201561	312	299145	0.13
simMC	Burkholderia ambifaria AMMD	7503613	926	928391	0.12
simMC	Burkholderia sp. sp.strain 383	8676277	1024	1078267	0.12
simMC	Chlorobium limicola DSMZ 245(T)	2761915	353	331866	0.12
simMC	Chloroflexus aurantiacus J-10-fl	5193782	668	664910	0.12
simMC	Clostridium beijerincki NCIMB 8052	5952522	702	730277	0.12
simMC	Clostridium thermocellum ATCC 27405	3894953	494	470211	0.12
simMC	Crocospaera watsonii WH 8501	6285399	776	810164	0.12
simMC	Deinococcus geothermalis DSM11300	3164085	404	389579	0.12
simMC	Jannaschia sp. CCS1	4404049	543	531512	0.12
simMC	Kineococcus radiotolerans SRS30216	4893957	580	599807	0.12
simMC	Lactobacillus gasseri ATCC33323	1950210	258	245633	0.12
simMC	Lactococcus lactis subsp. cremoris	2613164	345	314828	0.12
simMC	Marinobacter aquaeolei VT8	4647952	586	583122	0.12
simMC	Methanospirillum hungatei JF-1	3544738	459	440571	0.12
simMC	Nitrosospira multiformis ATCC 25196	3234309	420	409131	0.12
simMC	Nocardioides sp. JS614	5394058	691	684954	0.12
simMC	Novosphingobium aromaticivorans DSM 12444 (F199)	3561584	536	440461	0.12
simMC	Pelobacter propionicus	4466736	550	546764	0.12
simMC	Pelodictyon luteolum	2364842	314	299942	0.12
simMC	Prochlorococcus marinus str. MIT 9312	1709204	218	207226	0.12
simMC	Pseudomonas putida F1	5925059	745	759885	0.12
simMC	Rhodopseudomonas palustris BisA53	5502424	680	693879	0.12
simMC	Rhodopseudomonas palustris HaA2	5331656	671	644332	0.12
simMC	Shewanella baltica OS155	5084318	649	613932	0.12
simMC	Streptococcus suis 89/1591	1978218	276	245918	0.12
simMC	Syntrophomonas wolfei Goettingen	2845772	363	362362	0.12
simMC	Alkalilimnicola ehrlichei MLHE-1	3272789	384	387545	0.11
simMC	Anabaena variabilis ATCC 29413	7105752	881	810555	0.11
simMC	Anaeromyxobacter dehalogenans 2CP-C	5013479	578	580762	0.11
simMC	Arthrobacter sp. FB24	5011599	613	599484	0.11
simMC	Azotobacter vinelandii AvOP	5352434	652	607599	0.11
simMC	Bacillus cereus NVH391-98	3915845	454	462654	0.11
simMC	Burkholderia cenocepacia AU 1054	7249477	917	867079	0.11
simMC	Burkholderia cenocepacia HI2424	8139086	1010	947329	0.11
simMC	Burkholderia vietnamiensis strain G4 (R1808)	8410976	985	979809	0.11
simMC	Caldicellulosiruptor accharolyticus	2788317	316	323165	0.11
simMC	Chlorobium phaeobacteroides DSMZ 266(T)	3114286	390	373698	0.11
simMC	Exiguobacterium 255-15	2894116	392	336293	0.11
simMC	Ferroplasma acidarmanus fer1	1971391	264	221075	0.11
simMC	Frankia sp. Ccl3	5433628	643	630395	0.11
simMC	Frankia sp. EAN1pec	9081415	1111	1070877	0.11
simMC	Geobacter metallireducens GS-15	4011182	520	479332	0.11
simMC	Haemophilus somnus 129PT	2008359	265	236374	0.11
simMC	Lactobacillus casei ATCC334	2760660	344	315848	0.11
simMC	Methanococcoides burtonii DSM6242	2575032	318	300391	0.11
simMC	Nitrosococcus oceani	3522111	406	390952	0.11
simMC	Nitrosomonas eutropha C71	2711982	320	313513	0.11
simMC	Paracoccus denitrificans PD1222	5175736	620	593608	0.11
simMC	Pelobacter carbinolicus DSM 2380	3662252	472	416477	0.11
simMC	Pelodictyon phaeoclathratiforme BU-1 (DSMZ 5477(T))	3000217	359	346470	0.11
simMC	Psychrobacter cryopegella	3101097	366	344213	0.11
simMC	Rhodoferax ferrireducens	4969784	588	550383	0.11
simMC	Saccharophagus degradans 2-40	5057531	642	593769	0.11

simMC	Shewanella frigidimarina NCMB400	4782427	559	548372	0.11
simMC	Shewanella putefaciens	4577697	530	512393	0.11
simMC	Shewanella sp. ANA-3	5100729	586	592816	0.11
simMC	Shewanella sp. MR-7	4546355	515	535966	0.11
simMC	Shewanella sp. PV-4	4474526	537	511312	0.11
simMC	Shewanella sp. W3-18-1	4754010	532	525884	0.11
simMC	Sphingopyxis alaskensis RB2256	3343420	402	384382	0.11
simMC	Thiomicrospira crunogena XCL-2	2427734	296	284598	0.11
simMC	Trichodesmium erythraeum IMS101	7750108	927	895973	0.11
simMC	Alkaliphillus metalliredigenes	4410303	504	461558	0.1
simMC	Chromohalobacter salexigens DSM3043	4404049	481	450407	0.1
simMC	Cytophaga hutchinsonii ATCC 33406	4433218	580	465268	0.1
simMC	Dechloromonas aromatica RCB	4501104	559	474967	0.1
simMC	Desulfotobacterium hafniense DCB-2	6083768	725	640463	0.1
simMC	Desulfovibrio desulfuricans G20	3730232	424	386576	0.1
simMC	Lactobacillus brevis ATCC367	1880818	247	205125	0.1
simMC	Leuconostoc mesenteroides ATCC 8293	1976579	241	210753	0.1
simMC	Magnetococcus sp. MC-1	4628740	520	489632	0.1
simMC	Mesorhizobium sp. BNC1	4977960	605	499139	0.1
simMC	Methanosarcina barkeri Fusaro	4873766	608	510863	0.1
simMC	Methylobacillus flagellatus strain KT	2971517	321	324880	0.1
simMC	Nitrobacter hamburgensis	5011522	568	528059	0.1
simMC	Nitrobacter winogradskyi Nb-255	3402093	358	347847	0.1
simMC	Oenococcus oeni PSU-1	1782786	221	190672	0.1
simMC	Prosthecochloris aestuarii SK413/DSMZ 271(t)	2563197	269	263342	0.1
simMC	Prosthecochloris sp. BS1	4444192	515	475505	0.1
simMC	Pseudomonas syringae B728a	6093698	738	664767	0.1
simMC	Shewanella amazonensis	4264533	482	459786	0.1
simMC	Synechococcus sp. PCC 7942 (elongatus)	2695903	309	271858	0.1
simMC	Syntrophobacter fumaroxidans MPOB	4848841	552	506326	0.1
simMC	Thermoanaerobacter ethanolicus 39E	2282740	265	250034	0.1
simMC	Brevibacterium linens BL2	4510745	506	437122	0.09
simMC	Burkholderia xenovorans LB400	9731138	1146	940345	0.09
simMC	Enterococcus faecium DO	2848380	360	260693	0.09
simMC	Lactobacillus delbrueckii subsp. bulgaricus ATCCBAA-365	1629380	203	157309	0.09
simMC	Prochlorococcus sp. NATL2A	1842899	191	182303	0.09
simMC	Pseudomonas fluorescens PfO-1	6438405	791	638627	0.09
simMC	Psychrobacter arcticum 273-4	2650701	329	258993	0.09
simMC	Thermobifida fusca YX	3642249	431	350085	0.09
simMC	Bifidobacterium longum DJO10A	2375286	235	193729	0.08
simMC	Pediococcus pentosaceus ATCC25745	1814631	173	147165	0.08
simMC	Rhodobacter sphaeroides 2.4.1	4603060	528	408870	0.08
simMC	Streptococcus thermophilus LMD-9	1842121	187	155973	0.08

dataset	organism	genome size	reads	nucleotides	coverage
simLC	Rhodopseudomonas palustris HaA2	5331656	28861	27684394	5.19
simLC	Bradyrhizobium sp. BTAi1	8422430	9277	9432593	1.11
simLC	Cytophaga hutchinsonii ATCC 33406	4433218	5168	4132410	0.93
simLC	Xylella fastidiosa Ann-1	5118933	2836	2263183	0.44
simLC	Moorella thermoacetica ATCC 39073	2628784	674	667732	0.25
simLC	Xylella fastidiosa Dixon	2622328	601	527819	0.2
simLC	Ehrlichia canis Jake	1315030	196	192979	0.14
simLC	Rubrobacter xylanophilus DSM 9941	3299423	409	472860	0.14
simLC	Thiobacillus denitrificans ATCC 25259	2909809	395	432598	0.14
simLC	Bacillus cereus NVH391-98	3915845	520	530628	0.13
simLC	Burkholderia sp. sp.strain 383	8676277	1074	1134915	0.13
simLC	Caldicellulosiruptor accharolyticus	2788317	367	374864	0.13
simLC	Chloroflexus aurantiacus J-10-fl	5193782	679	676090	0.13
simLC	Clostridium beijerincki NCIMB 8052	5952522	737	774306	0.13
simLC	Crocospaera watsonii WH 8501	6285399	812	853754	0.13
simLC	Ehrlichia chaffeensis sapulpa	1005812	150	137612	0.13
simLC	Prochlorococcus sp. NATL2A	1842899	253	243780	0.13
simLC	Psychrobacter cryopegella	3101097	422	406224	0.13
simLC	Rhodopseudomonas palustris BisB18	5513844	699	718618	0.13
simLC	Shewanella sp. ANA-3	5100729	664	672467	0.13
simLC	Shewanella sp. MR-7	4546355	568	592166	0.13
simLC	Silicibacter sp. TM1040	4198271	469	547605	0.13
simLC	Thermoanaerobacter ethanolicus 39E	2282740	315	298534	0.13
simLC	Actinobacillus succinogenes 130Z	2046146	252	263514	0.12
simLC	Burkholderia ambifaria AMMD	7503613	955	966386	0.12
simLC	Chlorobium limicola DSMZ 245(T)	2761915	381	354901	0.12
simLC	Deinococcus geothermalis DSM11300	3164085	415	401474	0.12
simLC	Jannaschia sp. CCS1	4404049	543	529621	0.12
simLC	Kineococcus radiotolerans SRS30216	4893957	566	588484	0.12

simLC	Methylobacillus flagellatus strain KT	2971517	365	369843	0.12
simLC	Nitrobacter winogradskyi Nb-255	3402093	427	414571	0.12
simLC	Novosphingobium aromaticivorans DSM 12444 (F199)	3561584	520	446895	0.12
simLC	Pelodictyon phaeoclathratiforme BU-1 (DSMZ 5477(T))	3000217	402	384821	0.12
simLC	Polaromonas sp. JS666	5898676	733	737085	0.12
simLC	Pseudoalteromonas atlantica T6c	5094958	588	615147	0.12
simLC	Rhodopseudomonas palustris BisB5	4892717	575	593532	0.12
simLC	Sphingopyxis alaskensis RB2256	3343420	438	415701	0.12
simLC	Thiomicrospira denitrificans ATCC 33889	2201561	277	268886	0.12
simLC	Trichodesmium erythraeum IMS101	7750108	977	954106	0.12
simLC	Alkalilimnicola ehrlichei MLHE-1	3272789	373	374946	0.11
simLC	Anabaena variabilis ATCC 29413	7105752	855	795384	0.11
simLC	Anaeromyxobacter dehalogenans 2CP-C	5013479	584	590941	0.11
simLC	Arthrobacter sp. FB24	5011599	570	556264	0.11
simLC	Azotobacter vinelandii AvOP	5352434	650	601559	0.11
simLC	Burkholderia cenocepacia AU 1054	7249477	879	833042	0.11
simLC	Burkholderia cenocepacia HI2424	8139086	956	907846	0.11
simLC	Burkholderia vietnamiensis strain G4 (R1808)	8410976	992	996433	0.11
simLC	Clostridium thermocellum ATCC 27405	3894953	461	435152	0.11
simLC	Desulfotobacterium hafniense DCB-2	6083768	769	684554	0.11
simLC	Desulfovibrio desulfuricans G20	3730232	484	436153	0.11
simLC	Exiguobacterium 255-15	2894116	377	329023	0.11
simLC	Frankia sp. Ccl3	5433628	645	625569	0.11
simLC	Frankia sp. EAN1pec	9081415	1109	1070299	0.11
simLC	Geobacter metallireducens GS-15	4011182	515	469635	0.11
simLC	Lactobacillus casei ATCC334	2760660	362	330900	0.11
simLC	Lactobacillus gasseri ATCC33323	1950210	244	231961	0.11
simLC	Marinobacter aquaeolei VT8	4647952	547	542695	0.11
simLC	Methanospirillum hungatei JF-1	3544738	429	412292	0.11
simLC	Nitrobacter hamburgensis	5011522	630	592565	0.11
simLC	Nitrosococcus oceani	3522111	409	398323	0.11
simLC	Nitrosomonas eutropha C71	2711982	314	313955	0.11
simLC	Nitrosospora multiformis ATCC 25196	3234309	378	366210	0.11
simLC	Nocardioides sp. JS614	5394058	636	632236	0.11
simLC	Pelobacter carbinolicus DSM 2380	3662252	489	425000	0.11
simLC	Pelobacter propionicus	4466736	508	505009	0.11
simLC	Pseudomonas putida F1	5925059	675	687896	0.11
simLC	Pseudomonas syringae B728a	6093698	746	673596	0.11
simLC	Rhodoferax ferrireducens	4969784	599	563098	0.11
simLC	Rhodopseudomonas palustris BisA53	5502424	636	648905	0.11
simLC	Rhodospirillum rubrum ATCC 11170	4406557	559	519746	0.11
simLC	Shewanella amazonensis	4264533	536	497450	0.11
simLC	Shewanella baltica OS155	5084318	621	589065	0.11
simLC	Shewanella frigidimarina NCMB400	4782427	551	539657	0.11
simLC	Shewanella putefaciens	4577697	565	537581	0.11
simLC	Shewanella sp. PV-4	4474526	524	502771	0.11
simLC	Streptococcus suis 89/1591	1978218	263	234214	0.11
simLC	Syntrophobacter fumaroxidans MPOB	4848841	606	561886	0.11
simLC	Alkaliphillus metallireducens	4410303	489	452259	0.1
simLC	Bifidobacterium longum DJO10A	2375286	288	238822	0.1
simLC	Brevibacterium linens BL2	4510745	542	465883	0.1
simLC	Chlorobium phaeobacteroides DSMZ 266(T)	3114286	359	339279	0.1
simLC	Dechloromonas aromatica RCB	4501104	537	455726	0.1
simLC	Ferroplasma acidarmanus fer1	1971391	238	201766	0.1
simLC	Haemophilus somnus 129PT	2008359	232	208703	0.1
simLC	Lactococcus lactis subsp. cremoris	2613164	301	267507	0.1
simLC	Leuconostoc mesenteroides ATCC 8293	1976579	235	199695	0.1
simLC	Magnetococcus sp. MC-1	4628740	504	479512	0.1
simLC	Paracoccus denitrificans PD1222	5175736	585	556907	0.1
simLC	Pediococcus pentosaceus ATCC25745	1814631	217	189252	0.1
simLC	Pelodictyon luteolum	2364842	250	238945	0.1
simLC	Prochlorococcus marinus str. MIT 9312	1709204	183	178782	0.1
simLC	Prosthecochloris aestuarii SK413/DSMZ 271(t)	2563197	282	269231	0.1
simLC	Prosthecochloris sp. BS1	4444192	483	450134	0.1
simLC	Saccharophagus degradans 2-40	5057531	582	538073	0.1
simLC	Shewanella sp. W3-18-1	4754010	533	520544	0.1
simLC	Syntrophomonas wolfei Goettingen	2845772	314	311703	0.1
simLC	Thiomicrospira crunogena XCL-2	2427734	274	260697	0.1
simLC	Burkholderia xenovorans LB400	9731138	1149	934846	0.09
simLC	Chlorobium vibrioforme f. thiosulfatophilum DSMZ 265(T)	1980186	199	191789	0.09
simLC	Chromohalobacter salexigens DSM3043	4404049	454	423738	0.09
simLC	Enterococcus faecium DO	2848380	359	260405	0.09
simLC	Lactobacillus delbrueckii subsp. bulgaricus ATCCBAA-365	1629380	195	152277	0.09
simLC	Mesorhizobium sp. BNC1	4977960	567	464795	0.09
simLC	Methanococcoides burtonii DSM6242	2575032	268	248743	0.09

simLC	Methanosarcina barkeri Fusaro	4873766	545	468320	0.09
simLC	Pseudomonas fluorescens PFO-1	6438405	730	599462	0.09
simLC	Psychrobacter arcticum 273-4	2650701	327	258585	0.09
simLC	Synechococcus sp. PCC 7942 (elongatus)	2695903	316	266393	0.09
simLC	Thermobifida fusca YX	3642249	434	347485	0.09
simLC	Oenococcus oeni PSU-1	1782786	182	157278	0.08
simLC	Rhodobacter sphaeroides 2.4.1	4603060	514	394254	0.08
simLC	Lactobacillus brevis ATCC367	1880818	177	143668	0.07
simLC	Streptococcus thermophilus LMD-9	1842121	178	146176	0.07

dataset	organism	genome size	reads	nucleotides	coverage
simHC	Moorella thermoacetica ATCC 39073	2628784	1426	1398111	0.53
simHC	Xylella fastidiosa Dixon	2622328	1303	1151861	0.43
simHC	Silicibacter sp. TM1040	4198271	1065	1231412	0.29
simHC	Thiobacillus denitrificans ATCC 25259	2909809	741	816370	0.28
simHC	Rubrobacter xylanophilus DSM 9941	3299423	799	914531	0.27
simHC	Bacillus cereus NVH391-98	3915845	1000	1029031	0.26
simHC	Burkholderia ambifaria AMMD	7503613	1937	1965645	0.26
simHC	Burkholderia sp. sp.strain 383	8676277	2191	2291772	0.26
simHC	Crocospaera watsonii WH 8501	6285399	1593	1660878	0.26
simHC	Lactobacillus gasseri ATCC33323	1950210	551	522829	0.26
simHC	Prosthecochloris aestuarii SK413/DSMZ 271(t)	2563197	692	666483	0.26
simHC	Pseudoalteromonas atlantica T6c	5094958	1301	1348100	0.26
simHC	Pseudomonas putida F1	5925059	1528	1550308	0.26
simHC	Shewanella sp. MR-7	4546355	1177	1222489	0.26
simHC	Alkalilimnicola ehrlichei MLHE-1	3272789	829	848181	0.25
simHC	Anaeromyxobacter dehalogenans 2CP-C	5013479	1273	1294221	0.25
simHC	Bradyrhizobium sp. BTAi1	8422430	2127	2168262	0.25
simHC	Chlorobium vibrioforme f. thiosulfatophilum DSMZ 265(T)	1980186	534	508460	0.25
simHC	Jannaschia sp. CCS1	4404049	1148	1126137	0.25
simHC	Kineococcus radiotolerans SRS30216	4893957	1187	1244349	0.25
simHC	Novosphingobium aromaticivorans DSM 12444 (F199)	3561584	1093	919296	0.25
simHC	Paracoccus denitrificans PD1222	5175736	1362	1310669	0.25
simHC	Pelobacter propionicus	4466736	1145	1139116	0.25
simHC	Rhodopseudomonas palustris BisA53	5502424	1392	1421441	0.25
simHC	Rhodopseudomonas palustris BisB18	5513844	1348	1380045	0.25
simHC	Rhodopseudomonas palustris BisB5	4892717	1200	1226193	0.25
simHC	Shewanella frigidimarina NCMB400	4782427	1257	1229312	0.25
simHC	Shewanella sp. ANA-3	5100729	1279	1301783	0.25
simHC	Shewanella sp. W3-18-1	4754010	1214	1190652	0.25
simHC	Trichodesmium erythraeum IMS101	7750108	2051	1981593	0.25
simHC	Actinobacillus succinogenes 130Z	2046146	483	498948	0.24
simHC	Burkholderia vietnamiensis strain G4 (R1808)	8410976	2083	2079067	0.24
simHC	Caldicellulosiruptor accharolyticus	2788317	658	678503	0.24
simHC	Chloroflexus aurantiacus J-10-fl	5193782	1277	1273910	0.24
simHC	Clostridium beijerincki NCIMB 8052	5952522	1411	1478182	0.24
simHC	Deinococcus geothermalis DSM11300	3164085	809	784763	0.24
simHC	Marinobacter aquaeolei VT8	4647952	1164	1153461	0.24
simHC	Methanococcoides burtonii DSM6242	2575032	663	626141	0.24
simHC	Methanospirillum hungatei JF-1	3544738	919	878282	0.24
simHC	Nitrobacter winogradskyi Nb-255	3402093	857	827808	0.24
simHC	Nitrosococcus oceani	3522111	868	845789	0.24
simHC	Nitrospira multiformis ATCC 25196	3234309	814	787922	0.24
simHC	Nocardioides sp. JS614	5394058	1337	1322166	0.24
simHC	Polaromonas sp. JS666	5898676	1489	1470833	0.24
simHC	Prochlorococcus sp. NATL2A	1842899	480	454047	0.24
simHC	Psychrobacter cryopegella	3101097	793	753295	0.24
simHC	Rhodoferrax ferrireducens	4969784	1276	1205301	0.24
simHC	Rhodopseudomonas palustris HaA2	5331656	1339	1285463	0.24
simHC	Saccharophagus degradans 2-40	5057531	1324	1216610	0.24
simHC	Shewanella baltica OS155	5084318	1313	1248252	0.24
simHC	Shewanella putefaciens	4577697	1153	1098913	0.24
simHC	Shewanella sp. PV-4	4474526	1165	1113033	0.24
simHC	Sphingopyxis alaskensis RB2256	3343420	846	814347	0.24
simHC	Syntrophomonas wolfei Goettingen	2845772	708	700280	0.24
simHC	Arthrobacter sp. FB24	5011599	1211	1189883	0.23
simHC	Burkholderia cenocepacia AU 1054	7249477	1791	1685754	0.23
simHC	Burkholderia cenocepacia HI2424	8139086	2045	1952351	0.23
simHC	Ehrlichia chaffeensis sapulpa	1005812	255	234084	0.23
simHC	Exiguobacterium 255-15	2894116	788	675805	0.23
simHC	Frankia sp. Ccl3	5433628	1334	1297029	0.23
simHC	Frankia sp. EAN1pec	9081415	2248	2147660	0.23
simHC	Magnetococcus sp. MC-1	4628740	1153	1080744	0.23
simHC	Methylobacillus flagellatus strain KT	2971517	687	687069	0.23

simHC	Nitrobacter hamburgensis	5011522	1272	1195014	0.23
simHC	Nitrosomonas eutropha C71	2711982	649	641642	0.23
simHC	Pelodictyon luteolum	2364842	581	553908	0.23
simHC	Shewanella amazonensis	4264533	1055	1006623	0.23
simHC	Streptococcus thermophilus LMD-9	1842121	501	424310	0.23
simHC	Thermoanaerobacter ethanolicus 39E	2282740	570	531808	0.23
simHC	Thiomicrospira crunogena XCL-2	2427734	603	580140	0.23
simHC	Alkaliphillus metalliredigenes	4410303	1091	1003556	0.22
simHC	Anabaena variabilis ATCC 29413	7105752	1703	1588258	0.22
simHC	Azotobacter vinelandii AvOP	5352434	1311	1203185	0.22
simHC	Chlorobium limicola DSMZ 245(T)	2761915	671	621013	0.22
simHC	Chlorobium phaeobacteroides DSMZ 266(T)	3114286	719	685665	0.22
simHC	Clostridium thermocellum ATCC 27405	3894953	932	873934	0.22
simHC	Desulfovibrio desulfuricans G20	3730232	919	827764	0.22
simHC	Geobacter metallireducens GS-15	4011182	1025	921248	0.22
simHC	Haemophilus somnus 129PT	2008359	513	460529	0.22
simHC	Pediococcus pentosaceus ATCC25745	1814631	456	401147	0.22
simHC	Pelodictyon phaeoclathratiforme BU-1 (DSMZ 5477(T))	3000217	703	667439	0.22
simHC	Prochlorococcus marinus str. MIT 9312	1709204	404	387898	0.22
simHC	Prosthecochloris sp. BS1	4444192	1082	1010075	0.22
simHC	Pseudomonas syringae B728a	6093698	1545	1376094	0.22
simHC	Rhodospirillum rubrum ATCC 11170	4406557	1062	979754	0.22
simHC	Streptococcus suis 89/1591	1978218	490	442547	0.22
simHC	Syntrophobacter fumaroxidans MPOB	4848841	1181	1088719	0.22
simHC	Bifidobacterium longum DJO10A	2375286	610	514147	0.21
simHC	Dechloromonas aromatica RCB	4501104	1132	961476	0.21
simHC	Desulfitobacterium hafniense DCB-2	6083768	1486	1320777	0.21
simHC	Ehrlichia canis Jake	1315030	283	280181	0.21
simHC	Lactobacillus casei ATCC334	2760660	648	591179	0.21
simHC	Mesorhizobium sp. BNC1	4977960	1289	1063210	0.21
simHC	Methanosarcina barkeri Fusaro	4873766	1213	1035194	0.21
simHC	Pelobacter carbinolicus DSM 2380	3662252	896	790429	0.21
simHC	Brevibacterium linens BL2	4510745	1088	939613	0.2
simHC	Cytophaga hutchinsonii ATCC 33406	4433218	1161	922724	0.2
simHC	Ferroplasma acidarmanus fer1	1971391	471	406946	0.2
simHC	Lactococcus lactis subsp. cremoris	2613164	584	540232	0.2
simHC	Leuconostoc mesenteroides ATCC 8293	1976579	473	403860	0.2
simHC	Oenococcus oeni PSU-1	1782786	422	364338	0.2
simHC	Pseudomonas fluorescens PfO-1	6438405	1587	1291214	0.2
simHC	Synechococcus sp. PCC 7942 (elongatus)	2695903	646	548582	0.2
simHC	Thermobifida fusca YX	3642249	930	736562	0.2
simHC	Thiomicrospira denitrificans ATCC 33889	2201561	490	461765	0.2
simHC	Burkholderia xenovorans LB400	9731138	2384	1941555	0.19
simHC	Lactobacillus brevis ATCC367	1880818	445	369397	0.19
simHC	Chromohalobacter salexigens DSM3043	4404049	888	827721	0.18
simHC	Lactobacillus delbrueckii subsp. bulgaricus ATCCBAA-365	1629380	391	305369	0.18
simHC	Psychrobacter arcticum 273-4	2650701	623	500275	0.18
simHC	Rhodobacter sphaeroides 2.4.1	4603060	1119	857512	0.18
simHC	Enterococcus faecium DO	2848380	676	496300	0.17
simHC	Xylella fastidiosa Ann-1	5118933	627	495925	0.09

